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**LOW- SCORED SITE INITIATIVE PROGRAM
SITE ASSESSMENT REPORT**

City of Gainesville Regional Transit System
100 SE 10th Avenue
Gainesville, FL
Facility ID#01/8508076

Prepared For:
City of Gainesville Regional Transit System
Mr. Paul Starling

And

FDEP
Petroleum Cleanup Section 5
Mr. Vince Molosky
WRS Compass
508-A Capital Circle S.E.
Tallahassee, FL 32301

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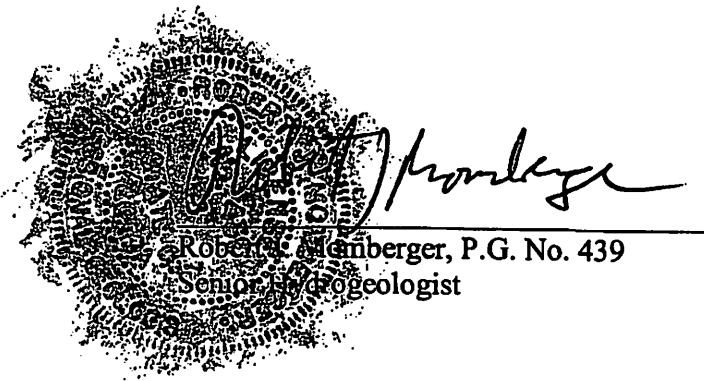
Prepared By:
AAG Environmental, Inc
P.O. Box 959
Newberry, FL 32669

August 22, 2011

PROFESSIONAL GEOLOGIST CERTIFICATION

This Low-Scored Site Initiative (LSSI) Program Site Assessment Report (SAR) and associated analytical data for the City of Gainesville RTS Site, 100 S.E 10th Avenue, Gainesville, Alachua County, Florida was reviewed by Robert J. Momberger (Florida P.G. #439), AAG Environmental, Inc. This work appears to comply with the current standards and practices exercised in the handling of SARs in the State of Florida. A monitor well abandonment completion report has also been included in this SAR. This site is recommended for a Site Rehabilitation Completion Order (SRCO)

These professional services have been performed using the degree of care and skill exercised under similar circumstances by other geologists, hydrogeologists and engineers practicing in this field. No other warranty, expressed or implied, is made as to the professional advice in this report.



Date: 8/22/16

1.0 INTRODUCTION

The City of Gainesville Regional Transit System (RTS) site located at 100 S.E. 10th Avenue, Gainesville, Alachua County, Florida, was approved as an Early Detection Incentive (EDI) Program site in 1987 with a FDEP Facility ID#01/8518076.

The City of Gainesville RTS filed a Discharge Notification Form (DNF) in February 2, 1987 reporting “positive test results on January 5, 1987 from a vapor gas monitoring probe” in the area of vent pipes near a 10,000-gallon (gal) diesel UST. Also, during a replacement of a concrete tank fueling station pad in January 5, 1988, petroleum vapors were detected and Photovac TIP readings of 136 and 155 ppm were measured in the soil. As it was an EDI Site, the City of Gainesville was instructed by FDEP to return the soil to the excavation (see January 14, 1988 RTS letter). The diesel UST and a 10,000-gal premium unleaded UST were removed on March 31, 1991. Also a 500 gal waste oil UST was reportedly removed at the same time. A site map along with historical site information is included in Attachment A.

In 2011, the Florida Legislature authorized the FDEP Bureau of Petroleum Storage Systems (BPSS) to provide funding for a Low- Scored Site Initiative (LSSI) Program to establish procedures for sites with a priority ranking score of 10 points or less. The procedural and technical guidance for the LSSI Program became effective February 21, 2011. An abbreviated site assessment (of six months or less) meeting certain conditions would enable the FDEP to issue three qualifying designations for an LSSI site:

- if no contamination is detected, a Site Rehabilitation Completion Order (SRCO)
- if minimal contamination is detected, an LSSI No Further Action (LSSI NFA)
- if minimal contamination is detected and institutional or engineering controls are necessary, a LSSI NFA with Conditions Administrative Order (LSSI NFAC).

There is also the option for the owner of a LSSI site to have the site be returned to the original program (with the same priority ranking score) and discontinue the site assessment if the owner does not wish to accept a particular LSSI designation.

Since it has been over 24 years since potentially contaminated soil was detected and twenty years since the potential source (UST/Dispensers/Lines) was removed at the Gainesville RTS site, it was reasonable to assume that bio-degradation has occurred and the site may qualify for a Site Rehabilitation Cleanup Order (SRCO) or an LSSI No Further Action (NFA). If it became apparent that the LSSI conditions (a through f) would not be met for the SRCO or LSSI NFA, all work would be stopped as the City of Gainesville did not want to accept an LSSI NFA with Conditions (NFAC). The proposed assessment activities for this LSSI site were to center near the former diesel UST and vent location.

This LSSI Site Assessment Report (SAR) details the activities performed by AAG Environmental, Inc (AAG) as provided by Work Order (WO) #2011-95-W94266. All work was performed in accordance with Chapter 62-770 F.A.C., BPSS 10/08 SOP, DEP SOP 001/01 and the 2/21/11 LSSI guidance.

Figure 1 shows the Gainesville RTS location on a quadrangle map, Figure 2 shows the site on an aerial map, Figure 3 shows the soil boring and monitor well locations, Figure 4 shows the soil sample locations with analytical data and Figure 5 shows the monitor well location with analytical data.

Table 1 provides the site analytical data, Table 2 provides the soil analytical data and Table 3 provides the soil screening summary.

Appendix A contains site historical information. Appendix B contains the soil and groundwater analytical data, chain-of-custodies, field equipment calibration forms and groundwater sampling logs. Appendix C contains the soil boring logs, well construction and development log, well completion report and well abandonment report.

2.0 LSSI FIELD ACTIVITIES

On June 3, 2011, an AAG geologist and technician performed 10 direct push technology (DPT) borings to the water table (generally about 9 to 10 ft), recording organic vapor analyses (OVA) readings with a photo-ionization detector (PID) at every one-ft interval. The borings were made in and around the former UST pit and vent area to the west of the former USTs (Figure 1). AAG also installed one monitor well (MW1) adjacent to the boring with the highest OVA reading to a 15 ft depth; the well was constructed of one inch outer diameter PVC with 10 ft of pre-filter packed screen and 5 ft of solid PVC casing. The well was completed below grade with a man-hole cover. Environmental Drilling Services, Inc (EDS) provided the DPT drilling rig and drilling services.

AAG collected three soil samples; two in the upper two ft of the soil with the highest OVA readings and one below two ft at the highest OVA reading. The samples were delivered in a cooler on ice to Advanced Environmental Laboratories (AEL) to be analyzed for BTEX/MTBE (EPA8260B), PAHs (EPA 8270C) and TRPH (FL-PRO). Encore samplers were also filled at each of the three locations to be analyzed for SPLP and MADEP/VPH analyses if the soil leachability soil cleanup target levels (SCTLs) were exceeded with the initial analyses.

On June 15, 2011, AAG collected groundwater samples from MW1: during the well purging activities, water level measurements were determined and field parameters were recorded for pH, specific conductivity, temperature, dissolved oxygen and turbidity. The samples were analyzed for Chapter 62-770 Table B parameters by AEL.

On August 16, 2011, monitor well MW1 was properly abandoned by a licensed driller; the well pad was removed and the 15 ft deep well was grouted and sealed from the bottom to the surface with neat cement.

3.0 RESULTS

Soil:

All OVA readings in SB1 through SB10 were below 10 part per million (ppm) and no petroleum staining of soil was noted in any boring. The highest OVA reading in the upper two ft was at SB10 at 3.8 ppm and soil sample SS1 was collected from the 1 -2 ft interval.

The highest OVA reading below a 2 ft depth was at SB2 from 7 – 8 ft at 8.2 ppm. Soil sample SS2 was collected at the SB2 interval of 7 – 8 ft.

An additional soil sample (SS3) was collected at the SB1 interval of 1 – 2 ft, which had an OVA reading of 1.2 ppm.

All three soil samples were below detection for all BTEX/MTBE and PAH analytes. SS1 and SS2 were both below detection for TRPH and the SS3 TRPH concentration was 5.1 mg/kg, well below the SCTL for TRPH for direct contact of 460 mg/kg and for leachability of 340 mg/kg. Table 2 provides soil analytical data for the LSSI sampling event. No leachability SCTLs were exceeded; additional SPLP and TRPH analyses were not necessary.

Groundwater:

All BTEX/MTBE and PAH analytes were below the detection limits for the MW1 groundwater sample. Total lead and EDB were also below their respective detection limit for the MW1 sample. The TRPH concentration of 190 ug/L was between the laboratory method detection limit (mdl) and practical quantitation limit (pql). The groundwater cleanup target level (GCTL) for TRPH is 5,000 ug/L.

Although an accurate shallow groundwater aquifer flow direction could not be verified from only one monitor well onsite, the site topography sloped to the west of both the former UST pit and monitor well location towards a large pond (see Figure 2). It does appear that MW1, which is located near the former UST vents is also down-gradient of the former UST pit.

4.0 RECOMMENDATION(S)

All soil and groundwater samples collected at the site were either below detection limits or well below the SCTLs and GCTLs. Any potential soil or groundwater contamination appears to have undergone bio-degradation over the past twenty or more years since the reported discharge in 1987.

The Gainesville RTS site should qualify for and be issued a SRCO upon proper abandonment of the only monitor well onsite (MW1). Event 2 of the WO (installation of two additional wells and groundwater sampling of three wells) should be cancelled and verbal change order (VCO) be issued to cover the expenses of the MW1 abandonment and abandonment report.

5.0 Well Abandonment Report

Monitor well MW1 was properly abandoned based on the LSSI analytical data and the Section 4.0 recommendation(s). An August 10, 2011 Verbal Authorization for Change in the Scope of Work authorized AAG to properly abandon well MW1; the well pad was removed and the well grouted and sealed with neat cement on August 16, 2011. The well abandonment completion report is in Appendix C. The SRCO recommendation should be approved and issued.

TABLES AND FIGURES

TABLE I
Summary of the data
collected during the
study

TABLE II
Summary of the data
collected during the
study

TABLE III
Summary of the data
collected during the
study

TABLE IV
Summary of the data
collected during the
study

TABLE V

**LOW- SCORED SITE INITIATIVE PROGRAM
SITE ASSESSMENT REPORT**

**City of Gainesville Regional Transit System
100 SE 10th Avenue
Gainesville, FL
Facility ID#01/8518076**

**Prepared For:
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And

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508-A Capital Circle S.E.
Tallahassee, FL 32301**

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August 22, 2011

IMAGE QUALITY
AS YOU VIEW THE FOLLOWING
DOCUMENT, PLEASE NOTE THAT
PORTIONS OF THE ORIGINAL WERE OF
POOR QUALITY

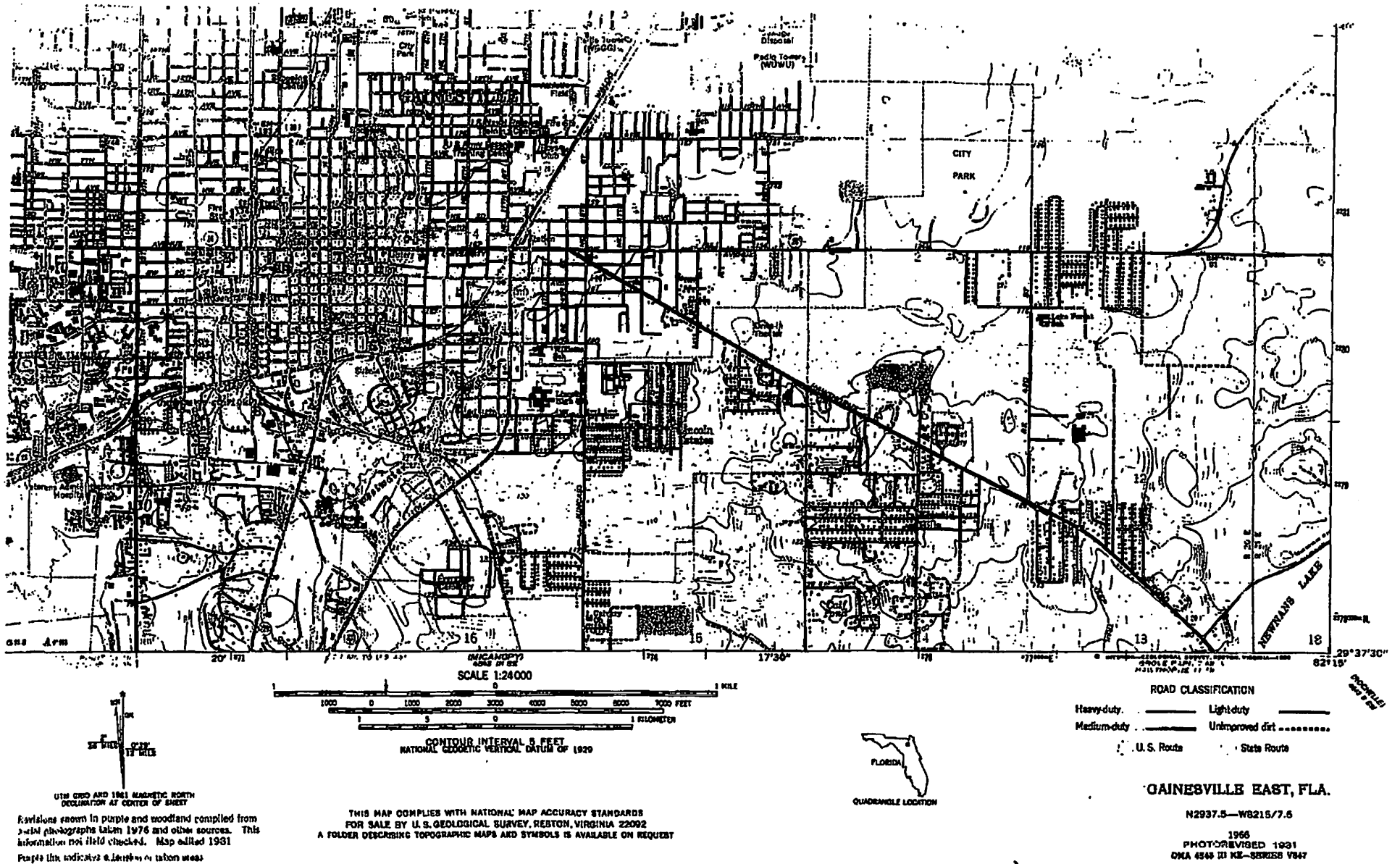
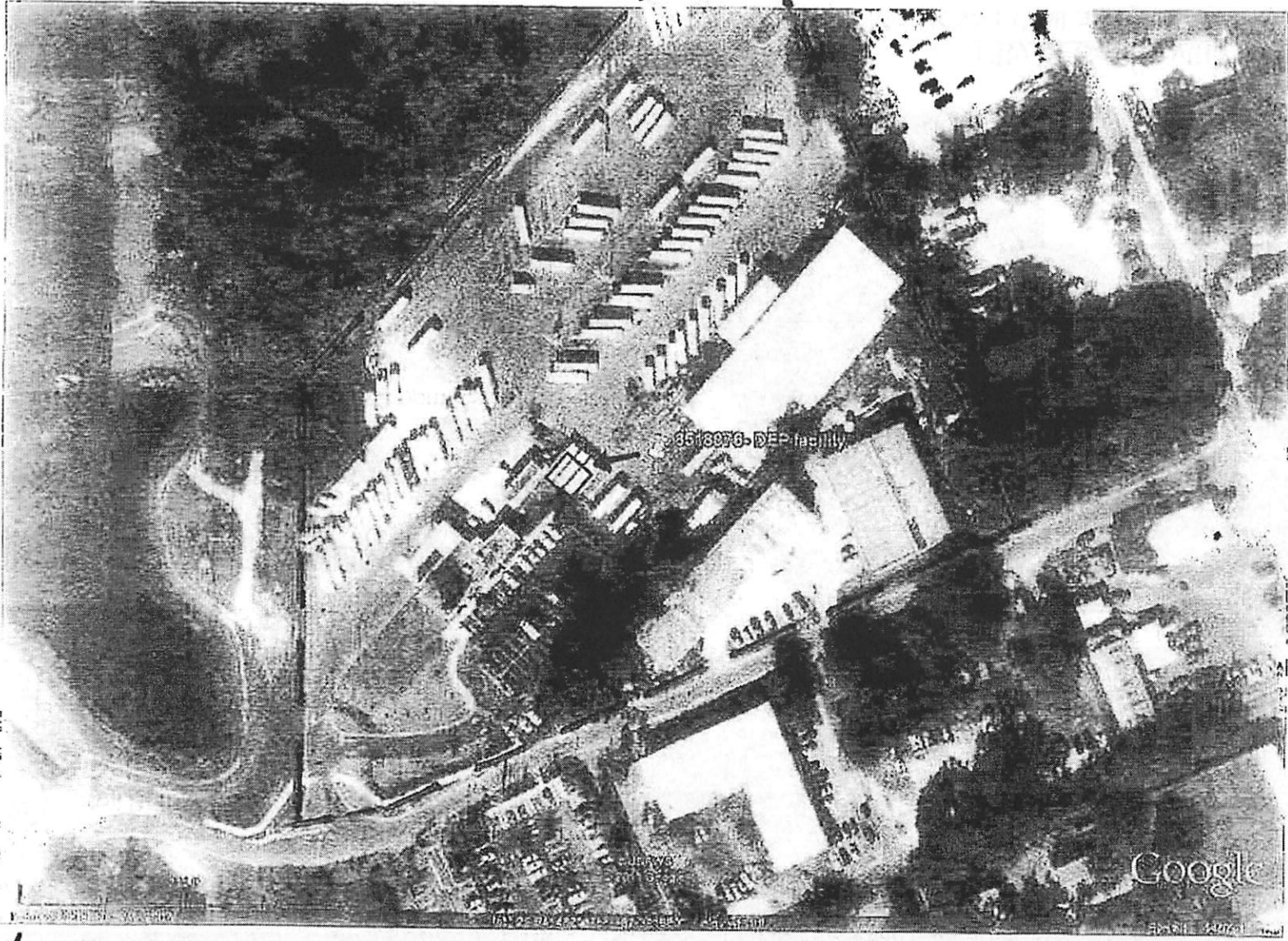


FIGURE 1: GAINESVILLE EAST QUADRANGLE MAP WITH GAINESVILLE RTS FACILITY (ID#01/8518076) LOCATION CIRCLED.

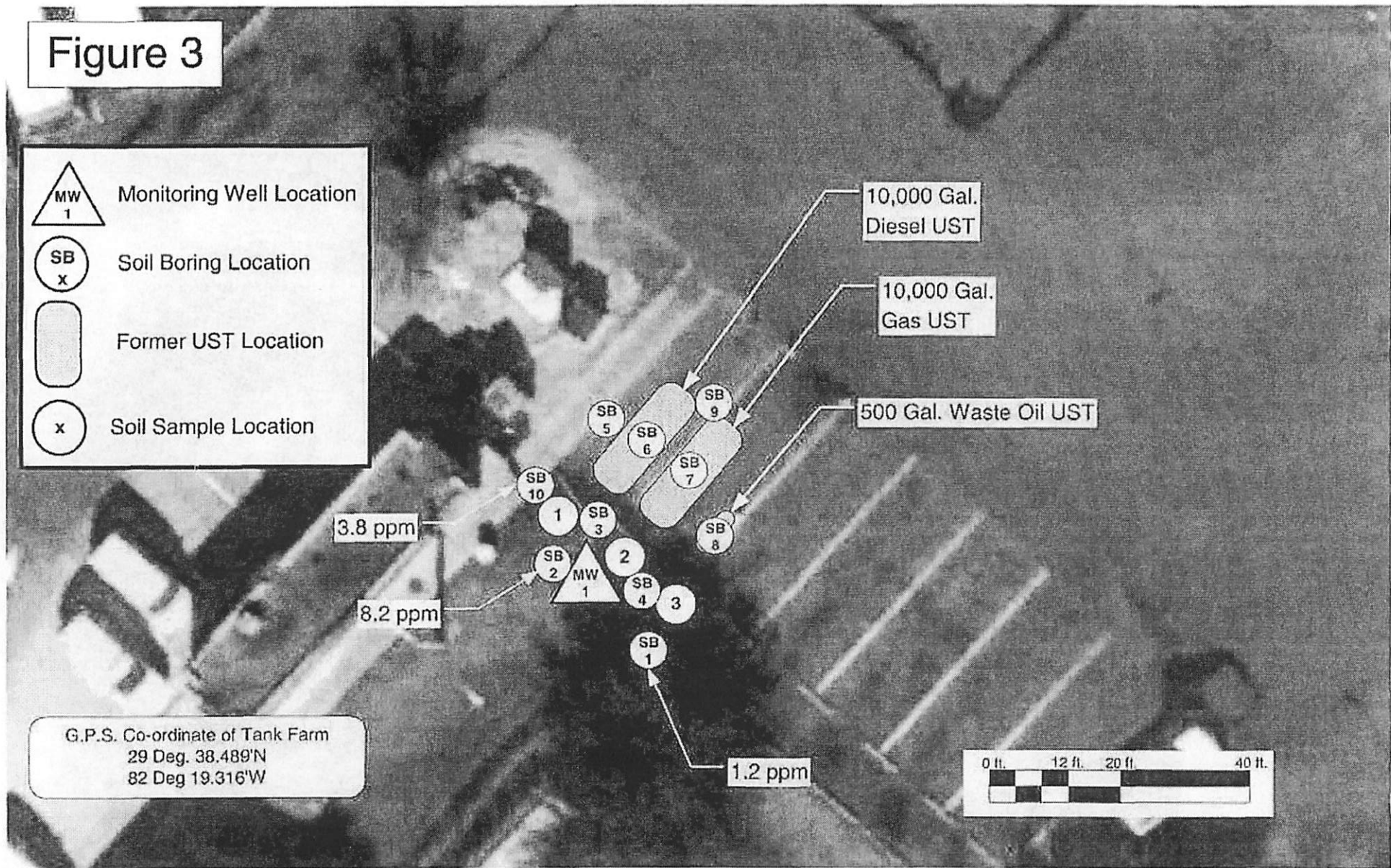
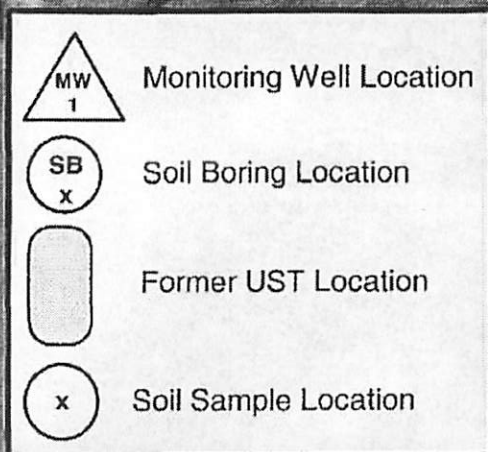


Poor Original

 = Gainesville RTS Property Boundary

FIGURE 2: GAINESVILLE RTS FACILITY (ID#01/8518076) LOCATION ON AN AERIAL MAP (GOOGLE, 2011)
NOTE: LOCATION OF FORMER USTs ARE SHOWN IN BOX.

Figure 3



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Poor Original

City of Gainesville RTS Site

Monitoring Well and Soil Boring Locations with Highest O.V.A. Readings Facility ID# 01/8518076
 Sampling occurred on June 3, 2011.

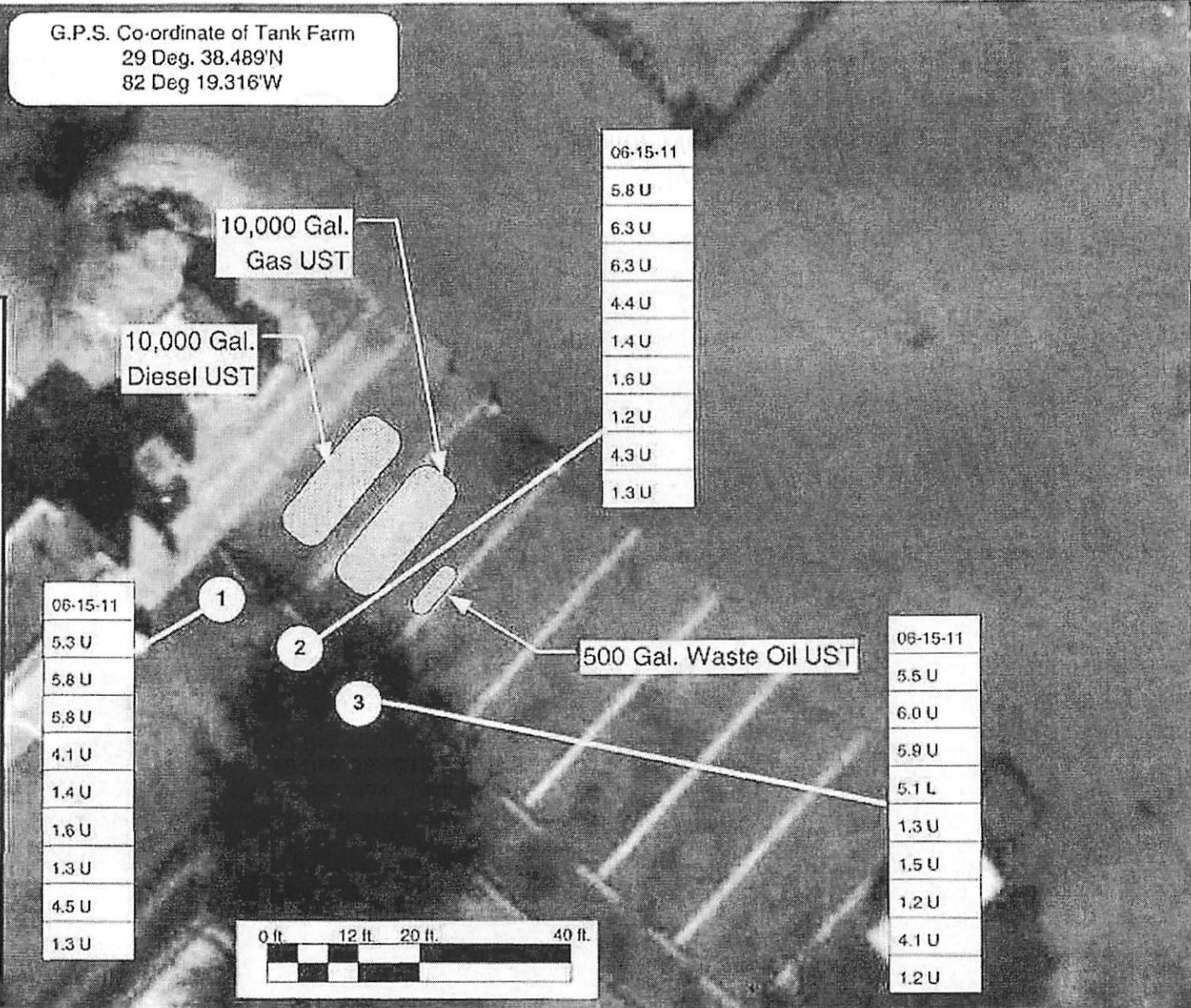
Figure 4

G.P.S. Co-ordinate of Tank Farm
 29 Deg. 38.489'N
 82 Deg 19.316'W

SS
x Soil Sample Location

12-01-09	= Sample Date
2.5 L	= Napthalene In ug/kg
0.12 U	= 1-Methylnapthalene In ug/kg
0.18 U	= 2-Methylnapthalene In ug/kg
280 U	= TRPH in mg/kg
0.21 U	= Benzene In ug/kg
0.28 U	= Toluene In ug/kg
0.17 U	= Ethylbenzene In ug/kg
5.2 L	= Total Xylenes In ug/kg
0.23 U	= MTBE In ug/kg

u = denotes the analyte was analyzed for but not detected
L = denotes the reported value is between the laboratory method detection limit (mdl) and the laboratory practical quantitation limit (pq)



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City of Gainesville RTS Site
 Soil Sample Locations and Analytical Data
 Facility ID# 01/8518076
 Sampling occurred on June 3, 2011.

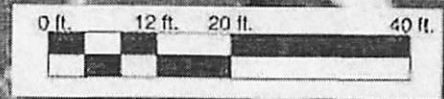
Figure 5

	Monitoring Well Location
12-01-09	= Sample Date
2.5 L	= Napthalene In ug/L
0.12 U	= 1-Methylnapthalene In ug/L
0.18 U	= 2-Methylnapthalene In ug/L
280 U	= TRPH in ug/L
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G.P.S. Co-ordinate of Tank Farm
 29 Deg. 38.489'N
 82 Deg 19.316'W

06-16-11
0.15 U
0.12 U
0.18 U
190 L
0.21 U
0.28 U
0.17 U
0.59 U
0.23 U



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City of Gainesville RTS Site
 Monitor Well Location with Analytical Data
 Facility ID# 01/8518076
 Sampling occurred on June 3, 2011.

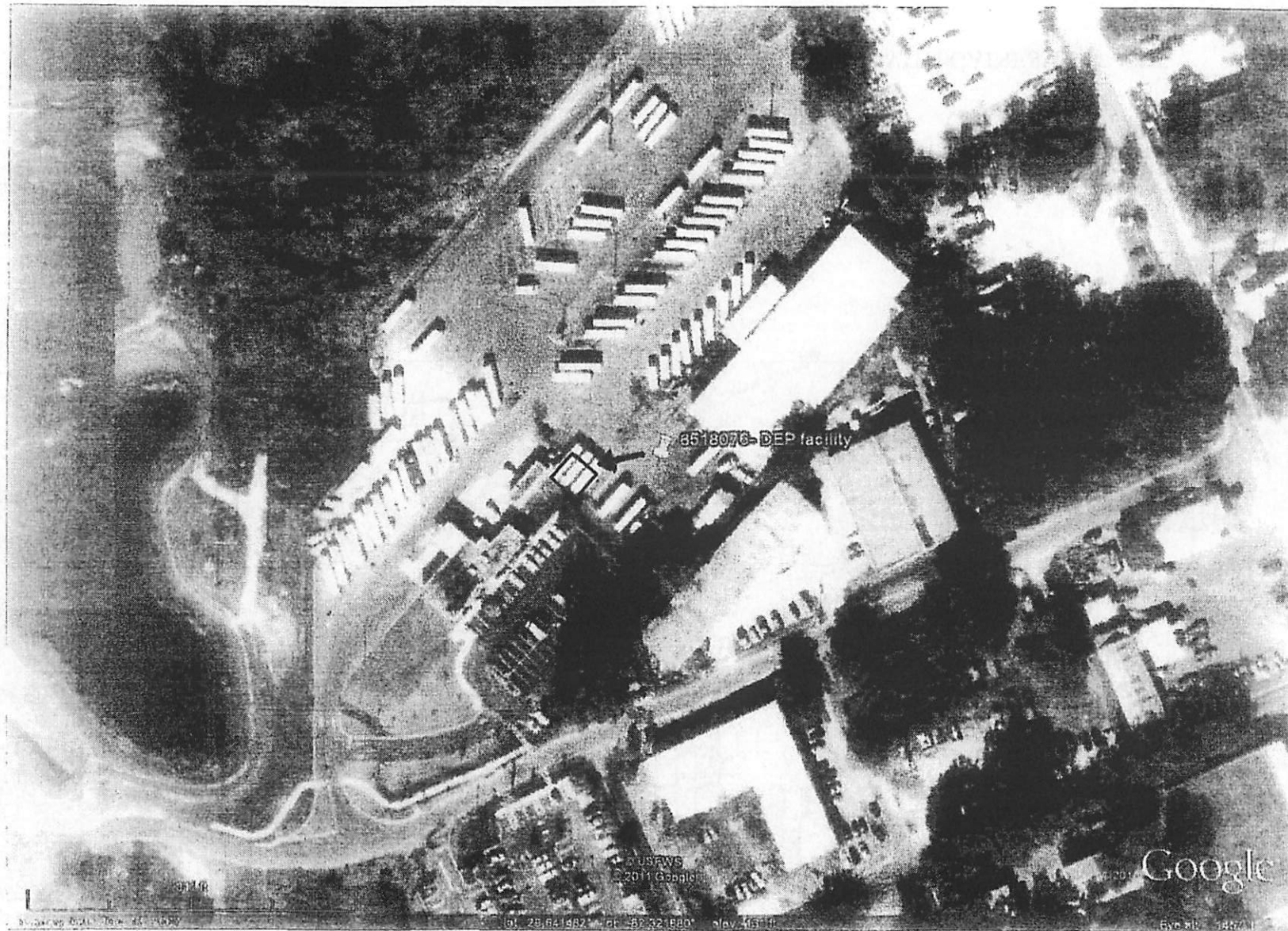
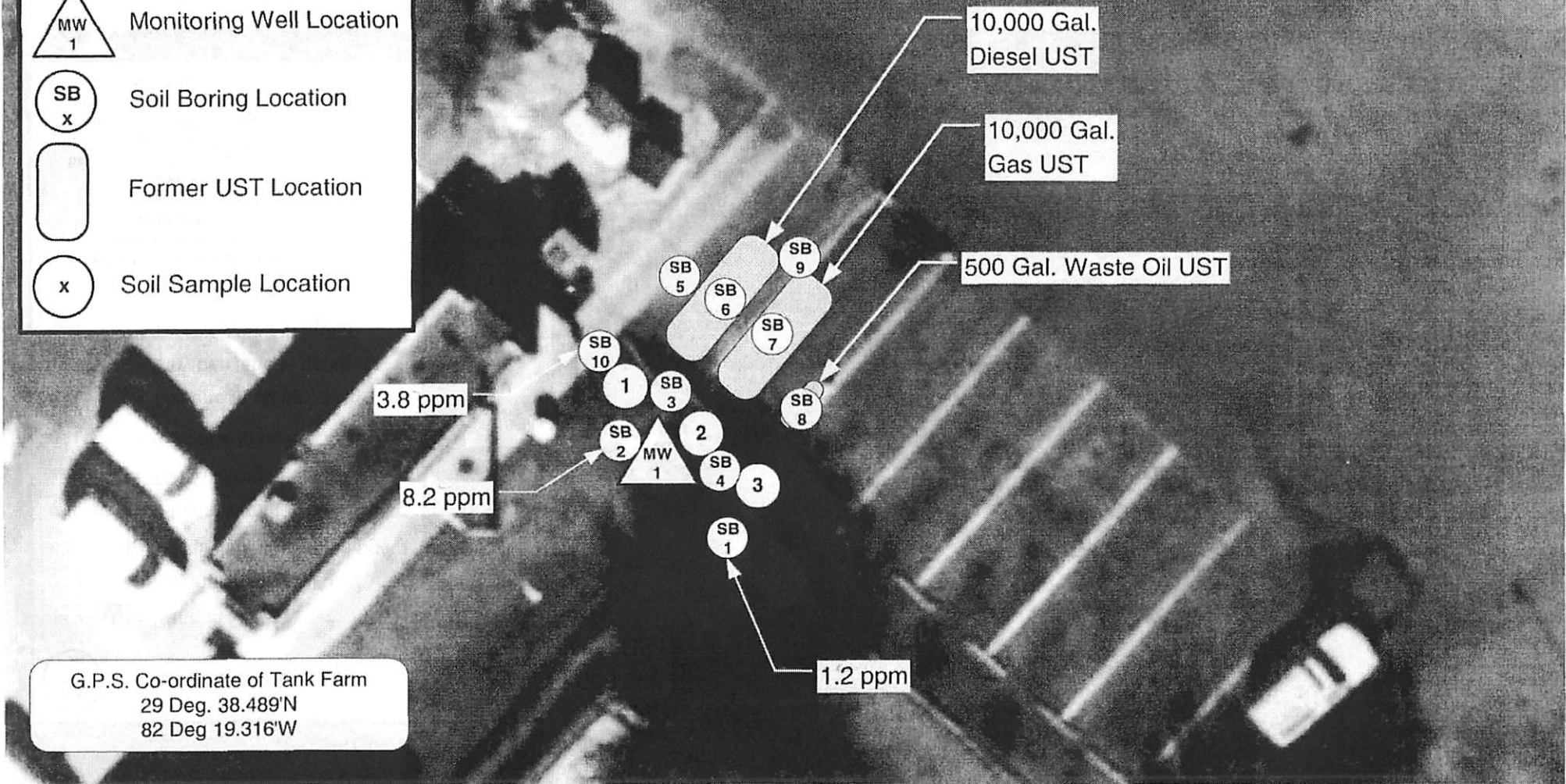
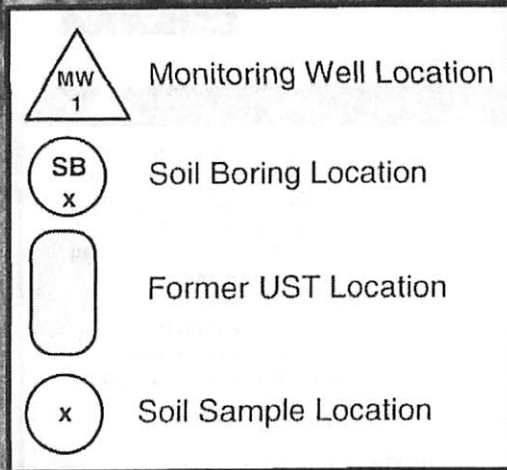


FIGURE 2: GAINESVILLE RTS FACILITY (ID#01/8518076) LOCATION ON AN AERIAL MAP (GOOGLE, 2011)
NOTE: LOCATION OF FORMER USTs ARE SHOWN IN BOX.

Figure 3



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Scale 1" = 20'



City of Gainesville RTS Site

Monitoring Well and Soil Boring Locations with Highest O.V.A. Readings Facility ID# 01/8518076
 Sampling occurred on June 3, 2011.

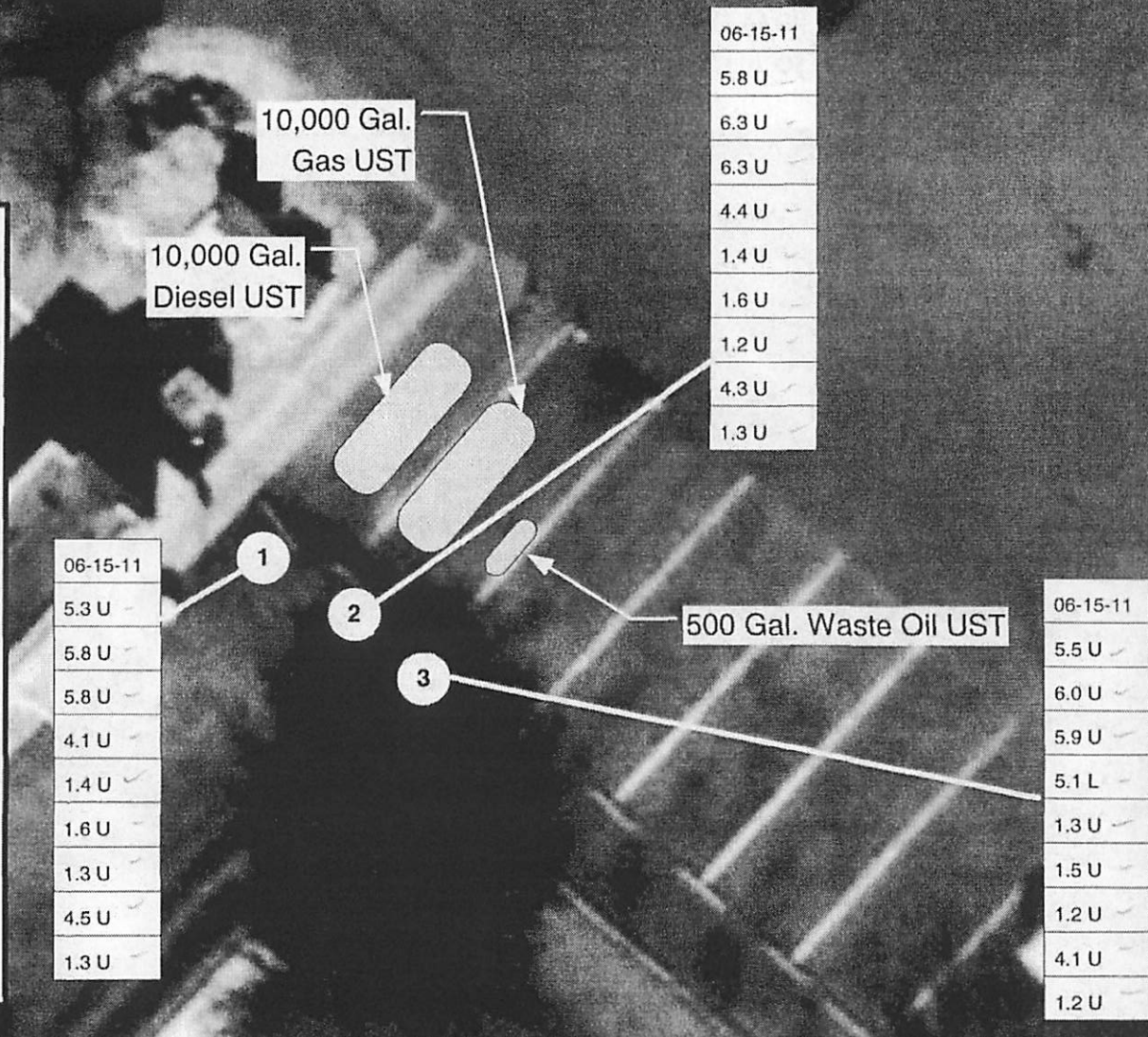
Figure 4

G.P.S. Co-ordinate of Tank Farm
 29 Deg. 38.489'N
 82 Deg 19.316'W

SS
x Soil Sample Location

12-01-09	= Sample Date
2.5 L	= Napthalene In ug/kg
0.12 U	= 1-Methylnapthalene In ug/kg
0.18 U	= 2-Methylnapthalene In ug/kg
280 U	= TRPH in mg/kl
0.21 U	= Benzene In ug/kg
0.28 U	= Toluene In ug/kg
0.17 U	= Ethylbenzene In ug/kg
5.2 L	= Total Xylenes In ug/kg
0.23 U	= MTBE In ug/kg

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Scale 1" = 20'



City of Gainesville RTS Site
 Soil Sample Locations and Analytical Data
 Facility ID# 01/8518076
 Sampling occurred on June 3, 2011.

Figure 5

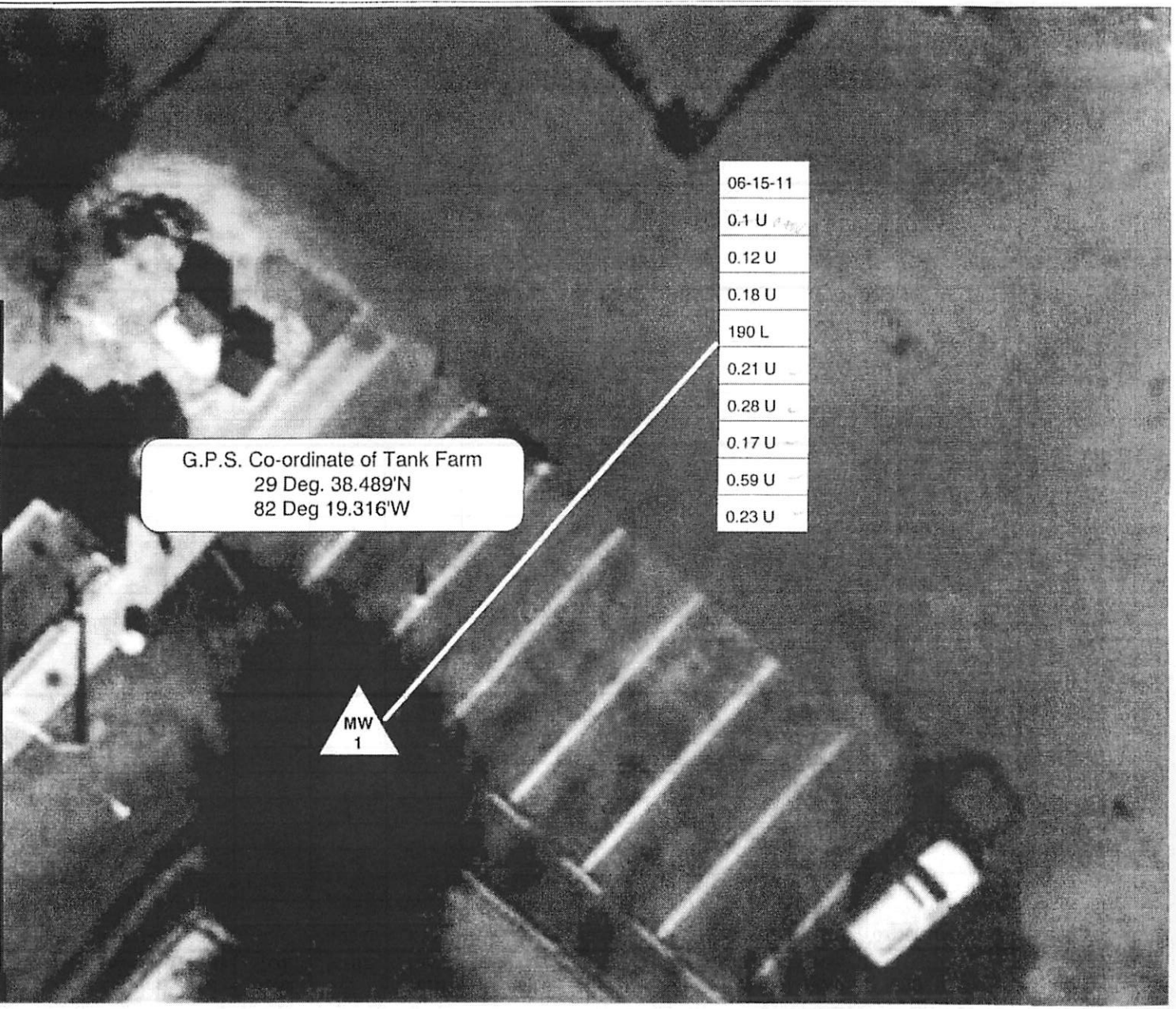
MW 1 Monitoring Well Location

12-01-09	= Sample Date
2.5 L	= Napthalene In ug/kg
0.12 U	= 1-Methylnapthalene In ug/kg
0.18 U	= 2-Methylnapthalene In ug/kg
280 U	= TRPH in mg/kl
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G.P.S. Co-ordinate of Tank Farm
 29 Deg. 38.489'N
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06-15-11
0.1 U
0.12 U
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190 L
0.21 U
0.28 U
0.17 U
0.59 U
0.23 U



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We'll Take It From Here...

Scale 1" = 20'



City of Gainesville RTS Site
 Monitor Well Location with Analytical Data
 Facility ID# 01/8518076
 Sampling occurred on June 3, 2011.

TABLE 3: SOIL SCREENING SUMMARY

Facility Name:

Gainesville RTS

Facility ID#01/8518076

SAMPLE			OVA SCREENING RESULTS				COMMENTS
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB1	6-3-11	10	0-1			0 ✓	All are PID readings Soil sample SS3@1-2ft
			1-2			1.2 ✓	
			2-3			0 ✓	
			3-4			0 ✓	
			4-5			0 ✓	
			5-6			0 ✓	
			6-7			0 ✓	
			7-8			0 ✓	
			8-9			0 ✓	
			9-10			0 ✓	
SB2	6-3-11	9.5	0-1			0 ✓	Soil sample SS2@7-8ft
			1-2			0 ✓	
			2-3			0 ✓	
			3-4			0 ✓	
			4-5			0 ✓	
			5-6			0 ✓	
			6-7			0 ✓	
			7-8			8.2 ✓	
			8-9			0 ✓	
			9-10			0 ✓	
SB3	6-3-11	8	0-1			0 ✓	
			1-2			0 ✓	
			2-3			0 ✓	
			3-4			0 ✓	
			4-5			0 ✓	
			5-6			0 ✓	
			6-7			0 ✓	
			7-8			0 ✓	
			8-9			0 ✓	
			9-10			0 ✓	
SB4	6-3-11	10	0-1			0 ✓	
			1-2			0 ✓	
			2-3			0 ✓	
			3-4			0 ✓	
			4-5			0 ✓	
			5-6			0 ✓	

TABLE 1: SOIL SCREENING SUMMARY

Facility Name:

Gainesville RTS

Facility ID#01/8518076

SAMPLE			OVA SCREENING RESULTS				COMMENTS
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB4	6-3-11	10	6-7			0 ✓	All are PID readings
			7-8			0 ✓	
			8-9			0 ✓	
			9-10			0 ✓	
SB5	6-3-11	9	0-1			0 ✓	
			1-2			0 ✓	
			2-3			0 ✓	
			3-4			0 ✓	
			4-5			0 ✓	
			5-6			0 ✓	
			6-7			0 ✓	
			7-8			0 ✓	
SB6	6-3-11	9.5	0-1			0 ✓	
			1-2			0 ✓	
			2-3			0 ✓	
			3-4			0 ✓	
			4-5			0 ✓	
			5-6			0 ✓	
			6-7			0 ✓	
			7-8			0 ✓	
SB7	6-3-11	9.5	0-1			0 ✓	
			1-2			0 ✓	
			2-3			0 ✓	
			3-4			0 ✓	
			4-5			0 ✓	
			5-6			0 ✓	
			6-7			0 ✓	
			7-8			0 ✓	
SB8	6-3-11	9.5	0-1			0 ✓	
			1-2			0 ✓	
			2-3			0 ✓	
			3-4			0 ✓	
			4-5			0 ✓	
			5-6			0 ✓	

TABLE 1: SOIL SCREENING SUMMARY

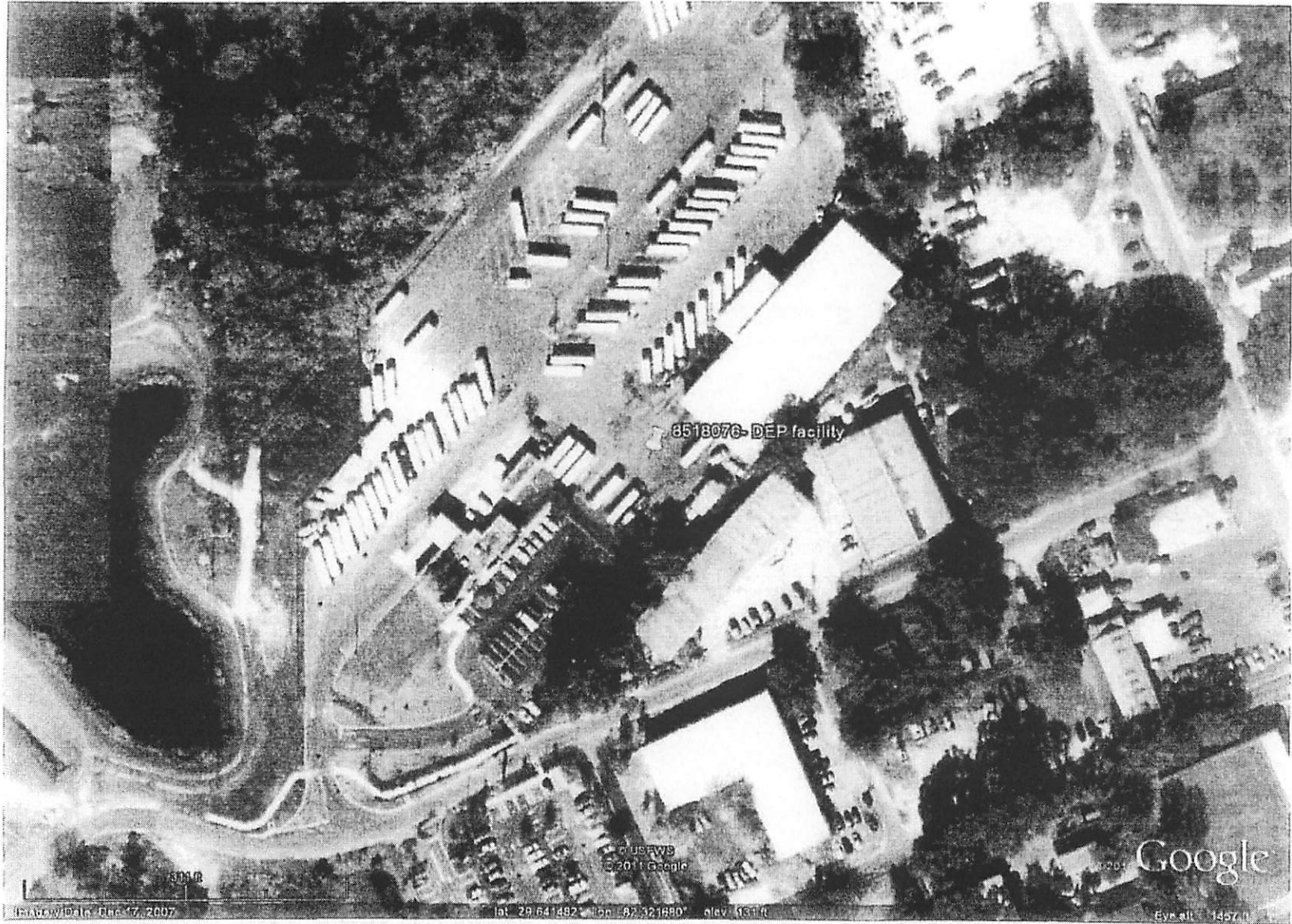
Facility Name:

Gainesville RTS

Facility ID#01/8518076

SAMPLE			OVA SCREENING RESULTS				COMMENTS
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBS)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB8	6-3-11	9.5	6-7			0 ✓	All are PID readings
			7-8			0 ✓	
			8-9			0 ✓	
			9-10			0 ✓	
SB9	6-3-11	9.5	0-1			0 ✓	
			1-2			0 ✓	
			2-3			0 ✓	
			3-4			0 ✓	
			4-5			0 ✓	
			5-6			0 ✓	
			6-7			0 ✓	
			7-8			0 ✓	
			8-9			0 ✓	
			9-10			0 ✓	
SB10	6-3-11	9.5	0-1			0 ✓	Soil sample SS1@1-2ft
			1-2			3.8 ✓	
			2-3			1.0 ✓	
			3-4			0 ✓	
			4-5			0 ✓	
			5-6			0 ✓	
			6-7			0 ✓	
			7-8			0 ✓	
			8-9			0 ✓	
			9-10			0 ✓	
MW1	6-3-11	9.5	0-1			0 ✓	
			1-2			0 ✓	
			2-3			0 ✓	
			3-4			0 ✓	
			4-5			0 ✓	
			5-6			0 ✓	
			6-7			0 ✓	
			7-8			8.2 ✓	
			8-9			0 ✓	
			9-10			0 ✓	
			10-11			0 ✓	
			11-12			0 ✓	
			12-13			0 ✓	
			13-14			0 ✓	
			14-15			0 ✓	

APPENDIX A
Gainesville RTS Historical Information



8518076- DEP facility

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







300 ft

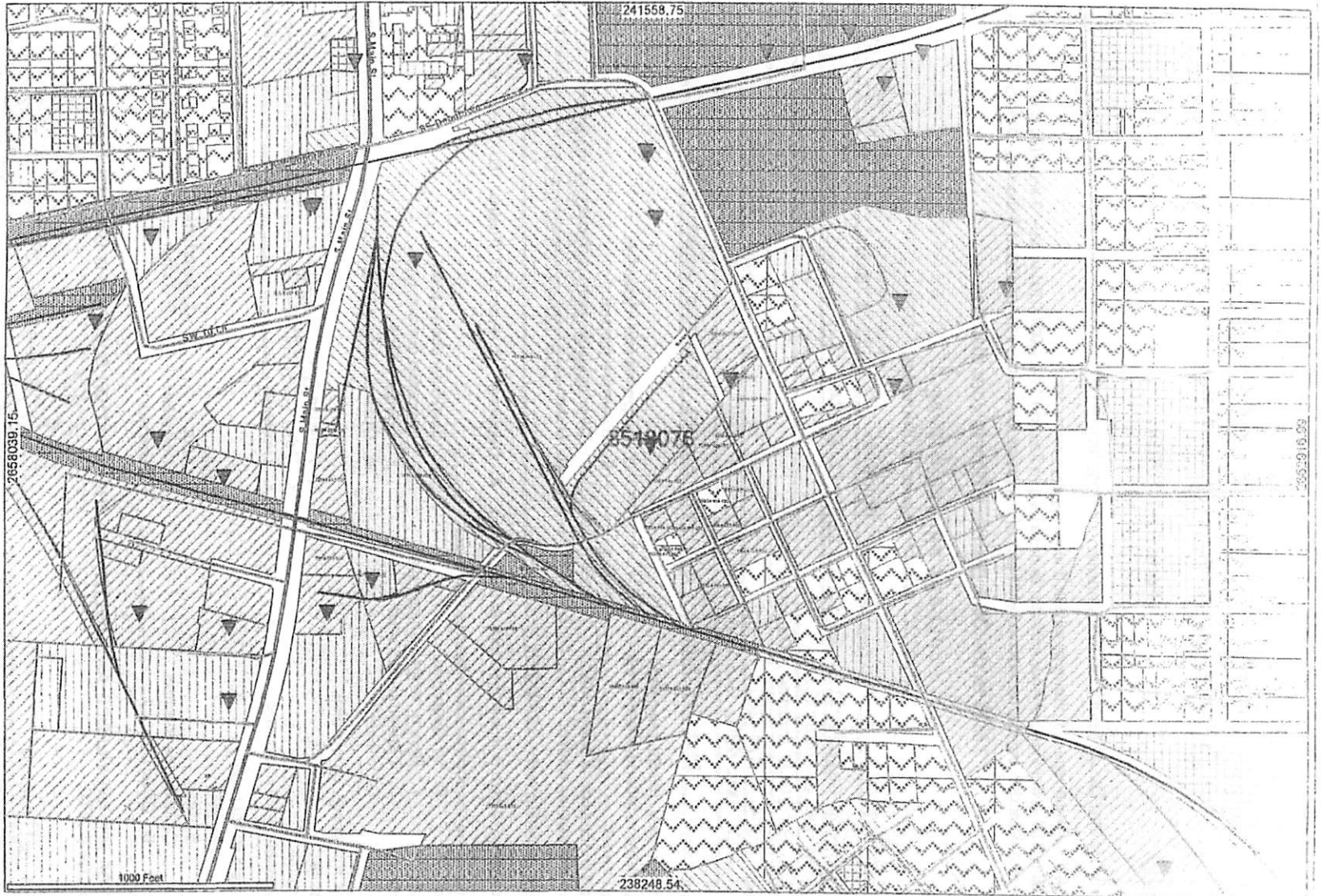
March 17, 2007

lat: 29.641492, lon: -82.321680, elev: 161 ft

Eye alt: 1467 ft

Alachua County

-  STCM_Facilities.shp
-  Wells.shp
- roads00.shp
 -  Alley
 -  Highway
 -  Local
 -  Secondary
 -  Trail
- railroads.shp
 - 
- alachua.shp
 -  ACREAGE NON AGRIC
 -  AGRICULTURAL
 -  CENTRALLY ASSESS
 -  COMMERCIAL
 -  GOVERNMENT
 -  INDUSTRIAL
 -  INSTITUTIONAL
 -  Miscellaneous
 -  RESIDENTIAL
 -  Unknown



Scale 1:4200

Map Units: Feet

Date: 2/10/20

Discharge Notification Form

Form 17-1.218(3)

Use this form to notify the Department of Environmental Regulation of:

1. Results of tank testing which reveal a discharge within 3 working days of testing.
2. Discharges exceeding 100 gallons on pervious surfaces as described in Section 17-81.05(4)(b) within 3 working days of discovery.
3. Positive response of a detection device, monitoring well test of sample or laboratory report within 3 working days of discovery.

Mail to the DER District Office in your district.

PLEASE PRINT OR TYPE
Put "X" where answer is unknown.

1. Facility Number: 018518076 2. Tank Number: Unknown 3. Date: February 2, 1987

4. Facility Name: City of Gainesville Regional Transit System
 Facility Operator: City of Gainesville
 Facility Address: 100 SE 10th Avenue, Gainesville
 Telephone Number: (904) 374-2011 County: Alachua
 Mailing Address: P.O. Box 490, Gainesville, Florida 32602

5. Date of test or discovery: Test on January 5, 1987; Report received January 29, 1987 month/day/year

6. Method of initial discovery. (circle one only)

A. Automatic detector in ground, monitoring well, or containment.	D. Emptying and inspection.
B. NFPA 328 test (underground tanks only).	E. Inventory control.
C. Manual test of monitoring well(s).	F. Odor or visible signs at facility or in vicinity.
	G. Other: <u>Test results from vapor gas monitoring probe</u> (explain)

7. Estimated number of gallons lost: Unknown

8. What part of the storage system is leaking? (circle all that apply) A. Dispenser B. Pipe C. Fitting D. Tank E. Unknown

9. If a tank is leaking, circle the choices which describe the type.

A. Aboveground	D. Underground	H. Sacrificial anode type
B. Factory welded	E. Bare or asphalt-coated steel	I. Impressed current type
C. Field erected	F. Fiberglass-clad steel	J. Double walled
	G. Fiberglass	M. Other or Unknown _____ (explain)

10. Type of pollutant discharged. (circle one)

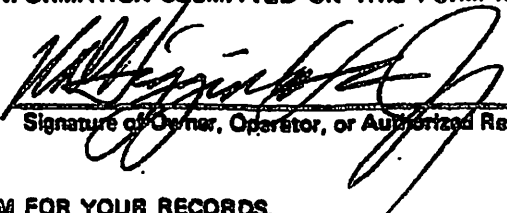
A. Leaded Gasoline.	E. Aviation fuel.
B. Unleaded gasoline.	Y. Other <u>Diesel fuel</u>
C. Gasohol or alcohol-enriched gasoline.	Z. Unknown _____ (explain)

11. Cause of leak. (circle all that apply)

A. <u>Unknown</u>	<u>Pipins</u>	<u>Tank</u>
B. Split	C. Loose connection	G. Split
C. Loose connection	D. Other _____	H. Corrosion
		I. Puncture
		J. Installation failure
		P. Other _____

12. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL INFORMATION SUBMITTED ON THIS FORM IS TRUE, ACCURATE, AND COMPLETE.

W.D. Higginbotham, Jr.
Name of Owner, Operator or Authorized Representative


Signature of Owner, Operator, or Authorized Representative

KEEP A COPY OF THIS FORM FOR YOUR RECORDS.



DEPARTMENT OF ENVIRONMENTAL SERVICES

825 N.W. 23rd Avenue • Suite F-10
Gainesville, Florida 32609
(904) 373-8509

John D. Schert
Director

January 13, 1988

RECEIVED

JAN 15 1988

BUREAU OF
ENVIRONMENTAL RESTORATION

Ms. Manitia Moultrie
Florida Department of
Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32301

SUBJECT: Tightness Testing at Regional Transit System,
Gainesville, Florida. Facility No. 01B518076,
BOR No. 01-0381

Dear Ms. Moultrie:

I am writing to request that the subject tank facility be required to perform integrity tests on the integral product piping. Evidence of soil contamination adjacent to the product piping was recently discovered during the repair of an overlying concrete slab.

The Gainesville Regional Transit System (RTS), located at 100 S.E. 10th Avenue performed tightness tests on their underground storage tanks on February 5 and 6, 1987. The invoice indicates that a leak was detected at the diesel sub-pump located at the tanks and repaired. The invoice also indicates that the ventlines and product lines were tested along with the petrotite tank tests. The actual tank test results do not indicate a leak or repair of a leak and do not indicate that the product lines were tested under working pressures. FDER requested integrity testing on all tanks and product lines on February 11, 1987 and again on June 2, 1987.

On January 5, 1988, RTS removed a concrete slab overlying the product lines adjacent to the dispenser pumps due to the development of a crack in the slab and the movement of the slab under the weight of the buses during refueling. A concern of the structural integrity of the product lines prompted the removal of the concrete slab and inspection of the product lines. The soils removed from and within the excavation are apparently

Ms. Manitia Moultrie
January 13, 1988
Page - two -

contaminated with diesel fuel. Two soil samples were collected for headspace analysis using a Photovac TIP calibrated to 100 ppm isobutylene. The headspace readings were 136 and 155 ppm. According to FID - PID correlations these readings would be greater than the 500 ppm - FID (40 + 10 ppm - PID) criteria of excess contaminated soil as defined in Chapter 17-70 FAC.

Enclosed are the invoice and results of the tank testing performed by Capital Petroleum on February 5 and 6, 1987 for your records.

If you need any additional information, please let me know.

Sincerely,




Al Quarles
Hydrogeologist

AQ:sc

AQ-MOULTRE

Handwritten mark

01-15-88


 P.O. Box 490 100 S.E. 10th Avenue
 Gainesville, Florida 32602
 Phone 904-~~374-2602~~ 374-2602

January 14, 1988

RECEIVED

JAN 20 1988

BUREAU OF ENVIRONMENTAL RESTORATION

Mr. Ron Lyons
 Florida Department of
 Environmental Regulation
 Twin Towers
 2600 Blair Stone Road
 Tallahassee, Florida 32399-2400

Dear Mr. Lyons:

Pursuant to a request of Mr. Robert Guyer from the Florida Department of Environmental Regulation (DER), this letter details the events surrounding the pad replacement at the City of Gainesville Regional Transit System (RTS) facility at 100 S. E. 10th Avenue.

On January 5, 1988 RTS, in the presence of Alachua County Department of Environmental Services (DES), initiated the replacement of a concrete tank fueling station pad. Upon removal of the pad, petroleum vapors were detected in the vicinity. The underlying soil was excavated to insure the underground piping was not leaking. Visual inspection of the pipes did not reveal leakage and no free product was detected. Nevertheless, the pipes were pressure tested by Petroleum Aids Corporation.

RTS was then informed by DES that the excavated soil should be drummed up and disposed of properly, and that clean soil be placed in the pit. RTS, through Mr. Guyer, discussed the situation with DER. Both parties concurred that putting clean soil into the excavation would be a "drop in the bucket" as the entire site has already been registered under the Early Detection Incentive (EDI) program for state cleanup. With DER's approval the excavated soil was put back into the pit. A new bermed pad has been poured and is curing. The edges will be sealed with asphalt prior to use.

In addition to the pad replacement, a one inch diesel line was run from the existing tanks to a nearby bus fueling area. This line was also pressure tested by Petroleum Aids Corporation. Results of both tests are expected within a couple of weeks.

Today, Ms. Pat Dugan with the Florida Department of Environmental Regulation's EDI program indicated that cleanup contractors for the site are currently being selected and state cleanup of RTS may be initiated this summer.


 D0009937

Mr. Ron Lyons
January 14, 1988
Page 2

If you have any question, please contact me at 904-374-2602.

Sincerely,



Richard Williams
Director
Regional Transit System

RW:YJ:kbb
w29/21

cc: Yolanta Jonynas - GRU, Box 52
Al Quarles - Alachua County DES

ATTACHMENT B

APPENDIX B

Soil and Groundwater Analytical data

Chain-of-Custodies

Groundwater Sampling Logs

Field Equipment Calibration Forms



Advanced
Environmental Laboratories, Inc.

6815 SW Archer Road
Gainesville, Florida 32608
(352) 377-2349
FAX (352) 395-6639

June 14, 2011

Serial: LAB-110614 81716

Bob Momberger
AAG Environmental
PO Box 959
Newberry, FL 32669
RE: Gainesville RTS
Work Order: 1106040

Enclosed are the results of analyses for samples received by the laboratory on June 3, 2011.

All data were determined in accordance with published procedures (EPA Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Rev March 1983; and Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992). Our laboratory is certified by Florida Department of Health (FDH No. E82001).

All results were determined in accordance with NELAP requirements and in accordance with the chain of custody document unless noted in the report case narrative or data report. All data is subject to a degree of uncertainty. For a discussion of laboratory uncertainty, please contact your project manager. This analytical report must be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Karen Daniels'.

Karen Daniels
Operations Manager
kdaniels@aellab.com

Advanced Environmental Laboratories



**Advanced
Environmental Laboratories, Inc.**

6815 SW Archer Rd
Gainesville, FL 32608
352.377.2349 Phone
352.395.6639 Fax
NELAP Certified - FDH #E82001

AAG Environmental
PO Box 959
Newberry, FL 32669

Project: Gainesville RTS
Project Manager: Bob Momberger

Reported:
06/14/11 08:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS1	1106040-01	Soil	06/03/11 13:30	06/03/11 16:35
SS2	1106040-02	Soil	06/03/11 14:00	06/03/11 16:35
SS3	1106040-03	Soil	06/03/11 14:30	06/03/11 16:35

REPORT OF RESULTS

SS1

1106040-01 (Soil)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Subcontracted Analyses								Sample was subcontracted. Please see attached report.

SS2

1106040-02 (Soil)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Subcontracted Analyses								Sample was subcontracted. Please see attached report.

SS3

1106040-03 (Soil)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Subcontracted Analyses								Sample was subcontracted. Please see attached report.



Advanced
Environmental Laboratories, Inc.

6815 SW Archer Rd
Gainesville, FL 32608
352.377.2349 Phone
352.395.6639 Fax
NELAP Certified - FDH #E82001

AAG Environmental
PO Box 959
Newberry, FL 32669

Project: Gainesville RTS
Project Manager: Bob Momberger

Reported:
06/14/11 08:16

NOTES AND DEFINITIONS

- U Indicates that the compound was analyzed for but not detected. The value associated with the qualifier is the laboratory method detection limit.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference



Advanced
Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc
6601 Southpoint Parkway
Jacksonville, FL 32216
Phone: (904)363-9350
Fax: (904)363-9354

June 13, 2011

Karen Daniels
Advanced Environmental Laboratories, Inc.
6815 SW Archer Road
Gainesville, FL 32608

RE: Workorder: J1104925 1106040

Dear Karen Daniels:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, June 07, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andres Alvarez

Digitally signed by Andres Alvarez
DN: cn=Andres Alvarez, o=Advanced Environmental
Laboratories, Inc., ou, email=aalvarez@aellab.com, c=US
Date: 2011.06.13 17:33:44 -0400

Andy Alvarez
aalvarez@aellab.com
Project Manager

Enclosures

Report ID: 169166 - 3658725

Page 1 of 11

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Advanced
Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc
6601 Southpoint Parkway
Jacksonville, FL 32216
Phone: (904)363-9350
Fax: (904)363-9354

SAMPLE SUMMARY

Workorder: J1104925 1106040

Lab ID	Sample ID	Matrix	Date Collected	Date Received
J1104925001	SS1	Soil	6/3/2011 13:30	6/7/2011 08:30
J1104925002	SS2	Soil	6/3/2011 14:00	6/7/2011 08:30
J1104925003	SS3	Soil	6/3/2011 14:30	6/7/2011 08:30

Report ID: 169166 - 3658725

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ANALYTICAL RESULTS

Workorder: J1104925 1106040

Lab ID: J1104925001 Date Received: 06/07/11 08:30 Matrix: Soil
Sample ID: SS1 Date Collected: 06/03/11 13:30

Results for sample J1104925001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
------------	---------	-------	------	----	--------------	--------------	----------	-----

SEMIVOLATILES

Analysis Desc: Fl:Pro Analysis, Soil		Preparation Method: FL-PRO		Analytical Method: FL-PRO				
TPH	4.1	mg/Kg	U	1	35	4.1	6/8/2011 19:37	J
o-Terphenyl (S)	75	%		1	62-109		6/8/2011 19:37	
Nonatricontane-C39 (S)	80	%		1	60-118		6/8/2011 19:37	

Analysis Desc: 8270C-SIM Analysis, Soil		Preparation Method: SW-846 8550B		Analytical Method: SW-846 8270C (SIM)	
---	--	----------------------------------	--	---------------------------------------	--

1-Methylnaphthalene	5.8	ug/Kg	U	1	8.2	5.8	6/9/2011 13:46	J
2-Methylnaphthalene	5.8	ug/Kg	U	1	8.2	5.8	6/9/2011 13:46	J
Acenaphthene	5.9	ug/Kg	U	1	8.2	5.9	6/9/2011 13:46	J
Acenaphthylene	5.6	ug/Kg	U	1	8.2	5.6	6/9/2011 13:46	J
Anthracene	5.6	ug/Kg	U	1	8.2	5.6	6/9/2011 13:46	J
Benzo[a]anthracene	6.4	ug/Kg	U	1	8.2	6.4	6/9/2011 13:46	J
Benzo[a]pyrene	3.6	ug/Kg	U	1	8.2	3.6	6/9/2011 13:46	J
Benzo[b]fluoranthene	4.4	ug/Kg	U	1	8.2	4.4	6/9/2011 13:46	J
Benzo[g,h,i]perylene	5.5	ug/Kg	U	1	8.2	5.5	6/9/2011 13:46	J
Benzo[k]fluoranthene	6.9	ug/Kg	U	1	8.2	6.9	6/9/2011 13:46	J
Chrysene	7.1	ug/Kg	U	1	8.2	7.1	6/9/2011 13:46	J
Dibenzo[a,h]anthracene	4.2	ug/Kg	U	1	8.2	4.2	6/9/2011 13:46	J
Fluoranthene	5.8	ug/Kg	U	1	8.2	5.8	6/9/2011 13:46	J
Fluorene	5.7	ug/Kg	U	1	8.2	5.7	6/9/2011 13:46	J
Indeno(1,2,3-cd)pyrene	3.9	ug/Kg	U	1	8.2	3.9	6/9/2011 13:46	J
Naphthalene	5.3	ug/Kg	U	1	8.2	5.3	6/9/2011 13:46	J
Phenanthrene	6.0	ug/Kg	U	1	8.2	6.0	6/9/2011 13:46	J
Pyrene	7.0	ug/Kg	U	1	8.2	7.0	6/9/2011 13:46	J
Decafluorobiphenyl (S)	61	%		1	44.8-137		6/9/2011 13:46	

VOLATILES

Analysis Desc: 8260C Analysis, Soil		Preparation Method: SW-846 5035		Analytical Method: SW-846 8260B	
-------------------------------------	--	---------------------------------	--	---------------------------------	--

Benzene	1.4	ug/Kg	U	1	3.5	1.4	6/10/2011 16:48	J
Ethylbenzene	1.3	ug/Kg	U	1	3.5	1.3	6/10/2011 16:48	J
Methyl tert-butyl Ether (MTBE)	1.3	ug/Kg	U	1	3.5	1.3	6/10/2011 16:48	J
Toluene	1.6	ug/Kg	U	1	3.5	1.6	6/10/2011 16:48	J
Xylene (Total)	4.5	ug/Kg	U	1	11	4.5	6/10/2011 16:48	J
1,2-Dichloroethane-d4 (S)	97	%		1	80-120		6/10/2011 16:48	

Report ID: 169166 - 3658725

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ANALYTICAL RESULTS

Workorder: J1104925 1106040

Lab ID: **J1104925001**

Date Received: 06/07/11 08:30 Matrix: Soil

Sample ID: **SS1**

Date Collected: 06/03/11 13:30

Results for sample J1104925001 are reported on a dry weight basis.

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Toluene-d8 (S)	109	%		1	81-117		6/10/2011 16:48	
Bromofluorobenzene (S)	105	%		1	74-121		6/10/2011 16:48	

Lab ID: **J1104925002**

Date Received: 06/07/11 08:30 Matrix: Soil

Sample ID: **SS2**

Date Collected: 06/03/11 14:00

Results for sample J1104925002 are reported on a dry weight basis.

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
SEMIVOLATILES								
Analysis Desc: Flo-Pro Analysis, Soil Preparation Method: FL-PRO								
Analytical Method: FL-PRO								
TPH	4.4	mg/Kg	U	1	38	4.4	6/8/2011 19:04	J
o-Terphenyl (S)	79	%		1	62-109		6/8/2011 19:04	
Nonatricontane-C39 (S)	89	%		1	60-118		6/8/2011 19:04	

Analysis Desc: 8270C-SIM Analysis

Preparation Method: SW-846 3550B

Soil

Analytical Method: SW-846 8270C (SIM)

1-Methylnaphthalene	6.3	ug/Kg	U	1	8.9	6.3	6/9/2011 14:14	J
2-Methylnaphthalene	6.3	ug/Kg	U	1	8.9	6.3	6/9/2011 14:14	J
Acenaphthene	6.4	ug/Kg	U	1	8.9	6.4	6/9/2011 14:14	J
Acenaphthylene	6.1	ug/Kg	U	1	8.9	6.1	6/9/2011 14:14	J
Anthracene	6.1	ug/Kg	U	1	8.9	6.1	6/9/2011 14:14	J
Benzo[a]anthracene	7.0	ug/Kg	U	1	8.9	7.0	6/9/2011 14:14	J
Benzo[a]pyrene	3.9	ug/Kg	U	1	8.9	3.9	6/9/2011 14:14	J
Benzo[b]fluoranthene	4.8	ug/Kg	U	1	8.9	4.8	6/9/2011 14:14	J
Benzo[g,h,i]perylene	6.0	ug/Kg	U	1	8.9	6.0	6/9/2011 14:14	J
Benzo[k]fluoranthene	7.5	ug/Kg	U	1	8.9	7.5	6/9/2011 14:14	J
Chrysene	7.7	ug/Kg	U	1	8.9	7.7	6/9/2011 14:14	J
Dibenzo[a,h]anthracene	4.5	ug/Kg	U	1	8.9	4.5	6/9/2011 14:14	J
Fluoranthene	6.3	ug/Kg	U	1	8.9	6.3	6/9/2011 14:14	J
Fluorene	6.2	ug/Kg	U	1	8.9	6.2	6/9/2011 14:14	J
Indeno(1,2,3-cd)pyrene	4.2	ug/Kg	U	1	8.9	4.2	6/9/2011 14:14	J
Naphthalene	5.8	ug/Kg	U	1	8.9	5.8	6/9/2011 14:14	J
Phenanthrene	6.5	ug/Kg	U	1	8.9	6.5	6/9/2011 14:14	J
Pyrene	7.6	ug/Kg	U	1	8.9	7.6	6/9/2011 14:14	J

Report ID: 169166 - 3658725

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ANALYTICAL RESULTS

Workorder: J1104925 1106040

Lab ID: **J1104925002** Date Received: 06/07/11 08:30 Matrix: Soil
Sample ID: **SS2** Date Collected: 06/03/11 14:00

Results for sample J1104925002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Decafluorobiphenyl (S)	93	%		1	44.8-137		6/9/2011 14:14	

VOLATILES

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260C Analysis, Soil		Preparation Method: SW-846 5035						
Analytical Method: SW-846 8260B								
Benzene	1.4	ug/Kg	U	1	3.4	1.4	6/10/2011 17:33	J
Ethylbenzene	1.2	ug/Kg	U	1	3.4	1.2	6/10/2011 17:33	J
Methyl tert-butyl Ether (MTBE)	1.3	ug/Kg	U	1	3.4	1.3	6/10/2011 17:33	J
Toluene	1.6	ug/Kg	U	1	3.4	1.6	6/10/2011 17:33	J
Xylene (Total)	4.3	ug/Kg	U	1	10	4.3	6/10/2011 17:33	J
1,2-Dichloroethane-d4 (S)	103	%		1	80-120		6/10/2011 17:33	
Toluene-d8 (S)	106	%		1	81-117		6/10/2011 17:33	
Bromofluorobenzene (S)	110	%		1	74-121		6/10/2011 17:33	

Lab ID: **J1104925003** Date Received: 06/07/11 08:30 Matrix: Soil
Sample ID: **SS3** Date Collected: 06/03/11 14:30

Results for sample J1104925003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
------------	---------	-------	------	----	--------------	--------------	----------	-----

SEMIVOLATILES

Analysis Desc: Flo-Pro Analysis, Soil		Preparation Method: FL-PRO						
Analytical Method: FL-PRO								
TPH	5.1	mg/Kg	I	1	36	4.2	6/8/2011 18:30	J
o-Terphenyl (S)	85	%		1	62-109		6/8/2011 18:30	
Nonatricontane-C39 (S)	89	%		1	60-118		6/8/2011 18:30	

Analysis Desc: 8270C-SIM Analysis, Soil		Preparation Method: SW-846 3550B						
Analytical Method: SW-846 8270C (SIM)								
1-Methylnaphthalene	6.0	ug/Kg	U	1	8.4	6.0	6/9/2011 14:42	J
2-Methylnaphthalene	5.9	ug/Kg	U	1	8.4	5.9	6/9/2011 14:42	J
Acenaphthene	6.1	ug/Kg	U	1	8.4	6.1	6/9/2011 14:42	J
Acenaphthylene	5.8	ug/Kg	U	1	8.4	5.8	6/9/2011 14:42	J
Anthracene	5.8	ug/Kg	U	1	8.4	5.8	6/9/2011 14:42	J
Benzo[a]anthracene	6.6	ug/Kg	U	1	8.4	6.6	6/9/2011 14:42	J
Benzo[a]pyrene	3.7	ug/Kg	U	1	8.4	3.7	6/9/2011 14:42	J

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ANALYTICAL RESULTS

Workorder: J1104925 1106040

Lab ID: J1104925003
Sample ID: SS3

Date Received: 06/07/11 08:30 Matrix: Soil
Date Collected: 06/03/11 14:30

Results for sample J1104925003 are reported on a dry weight basis.

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Benzo[b]fluoranthene	4.5	ug/Kg	U	1	8.4	4.5	6/9/2011 14:42	J
Benzo[g,h,i]perylene	5.7	ug/Kg	U	1	8.4	5.7	6/9/2011 14:42	J
Benzo[k]fluoranthene	7.1	ug/Kg	U	1	8.4	7.1	6/9/2011 14:42	J
Chrysene	7.3	ug/Kg	U	1	8.4	7.3	6/9/2011 14:42	J
Dibenzo[a,h]anthracene	4.3	ug/Kg	U	1	8.4	4.3	6/9/2011 14:42	J
Fluoranthene	6.0	ug/Kg	U	1	8.4	6.0	6/9/2011 14:42	J
Fluorene	5.9	ug/Kg	U	1	8.4	5.9	6/9/2011 14:42	J
Indeno(1,2,3-cd)pyrene	4.0	ug/Kg	U	1	8.4	4.0	6/9/2011 14:42	J
Naphthalene	5.5	ug/Kg	U	1	8.4	5.5	6/9/2011 14:42	J
Phenanthrene	6.2	ug/Kg	U	1	8.4	6.2	6/9/2011 14:42	J
Pyrene	7.1	ug/Kg	U	1	8.4	7.1	6/9/2011 14:42	J
Decafluorobiphenyl (S)	97	%		1	44.8-137		6/9/2011 14:42	

VOLATILES

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260C Analysis: Soil	Preparation Method: SW-846-5035							
	Analytical Method: SW-846-8260B							
Benzene	1.3	ug/Kg	U	1	3.3	1.3	6/10/2011 18:18	J
Ethylbenzene	1.2	ug/Kg	U	1	3.3	1.2	6/10/2011 18:18	J
Methyl tert-butyl Ether (MTBE)	1.2	ug/Kg	U	1	3.3	1.2	6/10/2011 18:18	J
Toluene	1.5	ug/Kg	U	1	3.3	1.5	6/10/2011 18:18	J
Xylene (Total)	4.1	ug/Kg	U	1	9.8	4.1	6/10/2011 18:18	J
1,2-Dichloroethane-d4 (S)	103	%		1	80-120		6/10/2011 18:18	
Toluene-d8 (S)	103	%		1	81-117		6/10/2011 18:18	
Bromofluorobenzene (S)	107	%		1	74-121		6/10/2011 18:18	

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6601 Southpoint Parkway
Jacksonville, FL 32216
Phone: (904)363-9350
Fax: (904)363-9354

ANALYTICAL RESULTS QUALIFIERS

Workorder: J1104925 1106040

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- J DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)

Report ID: 169166 - 3658725

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3004.1.0.0



QUALITY CONTROL DATA

Workorder: J1104925 1106040

QC Batch: EXTj/21282 Analysis Method: SW-846 8270C (SIM)
QC Batch Method: SW-846 3550B Prepared: 06/07/2011 14:00
Associated Lab Samples: J1104925001, J1104925002, J1104925003

METHOD BLANK: 750017

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMIVOLATILES			
Naphthalene	ug/Kg	4.3	4.3 U
2-Methylnaphthalene	ug/Kg	4.7	4.7 U
1-Methylnaphthalene	ug/Kg	4.7	4.7 U
Acenaphthylene	ug/Kg	4.6	4.6 U
Acenaphthene	ug/Kg	4.8	4.8 U
Fluorene	ug/Kg	4.6	4.6 U
Phenanthrene	ug/Kg	4.9	4.9 U
Anthracene	ug/Kg	4.5	4.5 U
Fluoranthene	ug/Kg	4.7	4.7 U
Pyrene	ug/Kg	5.6	5.6 U
Benzo[a]anthracene	ug/Kg	5.2	5.2 U
Chrysene	ug/Kg	5.7	5.7 U
Benzo[b]fluoranthene	ug/Kg	3.6	3.6 U
Benzo[k]fluoranthene	ug/Kg	5.6	5.6 U
Benzo[a]pyrene	ug/Kg	2.9	2.9 U
Indeno(1,2,3-cd)pyrene	ug/Kg	3.1	3.1 U
Dibenzo[a,h]anthracene	ug/Kg	3.4	3.4 U
Benzo[g,h,i]perylene	ug/Kg	4.5	4.5 U
Decafluorobiphenyl (S)	%	79	44.8-137

QC Batch: EXTJ/21287 Analysis Method: FL-PRO
QC Batch Method: FL-PRO Prepared: 06/08/2011 09:00
Associated Lab Samples: J1104925001, J1104925002, J1104925003

METHOD BLANK: 750805

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMIVOLATILES			
TPH	mg/Kg	4.0	4.0 U
o-Terphenyl (S)	%	83	62-109
Nonatricontane-C39 (S)	%	99	60-118

QC Batch: MSVJ/20828 Analysis Method: SW-846 8260B
QC Batch Method: SW-846 5035 Prepared: 06/10/2011 10:49

Report ID: 169166 - 3658725

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QUALITY CONTROL DATA

Workorder: J1104925 1106040

Associated Lab Samples: J1104925001, J1104925002, J1104925003

METHOD BLANK: 752761

Parameter	Units	Blank Result	Reporting Limit Qualifiers
VOLATILES			
Methyl tert-butyl Ether (MTBE)	ug/Kg	1.1	1.1 U
Benzene	ug/Kg	1.2	1.2 U
Toluene	ug/Kg	1.4	1.4 U
Ethylbenzene	ug/Kg	1.1	1.1 U
Xylene (Total)	ug/Kg	3.8	3.8 U
1,2-Dichloroethane-d4 (S)	%	105	80-120
Toluene-d8 (S)	%	100	81-117
Bromofluorobenzene (S)	%	105	74-121

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: J1104925 1106040

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
J1104925001	SS1	SW-846 3550B	EXTj/21282	SW-846 8270C (SIM)	MSSj/17960
J1104925002	SS2	SW-846 3550B	EXTj/21282	SW-846 8270C (SIM)	MSSj/17960
J1104925003	SS3	SW-846 3550B	EXTj/21282	SW-846 8270C (SIM)	MSSj/17960
J1104925001	SS1	FL-PRO	EXTj/21287	FL-PRO	GCSj/20060
J1104925002	SS2	FL-PRO	EXTj/21287	FL-PRO	GCSj/20060
J1104925003	SS3	FL-PRO	EXTj/21287	FL-PRO	GCSj/20060
J1104925001	SS1	SW-846 5035	MSVj/20828	SW-846 8260B	MSVj/20829
J1104925002	SS2	SW-846 5035	MSVj/20828	SW-846 8260B	MSVj/20829
J1104925003	SS3	SW-846 5035	MSVj/20828	SW-846 8260B	MSVj/20829

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June 28, 2011

Serial: LAB-110628101420

Bob Momberger
AAG Environmental
PO Box 959
Newberry, FL 32669
RE: Gainesville RTS
Work Order: 1106359

Enclosed are the results of analyses for samples received by the laboratory on June 15, 2011.

All data were determined in accordance with published procedures (EPA Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Rev March 1983; and Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992). Our laboratory is certified by Florida Department of Health (FDH No. E82001).

All results were determined in accordance with NELAP requirements and in accordance with the chain of custody document unless noted in the report case narrative or data report. The results relate only to the samples listed on the chain of custody. All data is subject to a degree of uncertainty. For a discussion of laboratory uncertainty, please contact your project manager. This analytical report must be reproduced in its entirety. The report pages are numbered separately from the chain of custody and any sample receipt documentation, which, if appropriate, are included in an unnumbered appendix.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Karen Daniels'.

Karen Daniels
Operations Manager
kdaniels@aellab.com



Advanced
Environmental Laboratories, Inc.

6815 SW Archer Rd
Gainesville, FL 32608
352.377.2349 Phone
352.395.6639 Fax
NELAP Certified - FDH #E82001

AAG Environmental
PO Box 959
Newberry, FL 32669

Project: Gainesville RTS
Project Manager: Bob Momberger

Reported:
06/28/11 10:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW 1 Shallow GW	1106359-01	Water	06/15/11 10:45	06/15/11 13:30

REPORT OF RESULTS

MW 1 Shallow GW
1106359-01 (Water)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Lead Total EPA 200.7/6010 (ICP)	1.9 U	1.9	ug/L	1	1062020	06/20/11	06/27/11 18:08	
Subcontracted Analyses								
Sample was subcontracted. Please see attached report.								

QUALITY CONTROL FOR SAMPLES

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1062020 = ICP Metals										
Blank (1062020-BLK1)										
Lead Total EPA 200.7/6010 (ICP)	1.9 U	1.9	ug/L							
LCS (1062020-BS1)										
Lead Total EPA 200.7/6010 (ICP)	36.8	1.9	ug/L	40.0		92	85-115			



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Environmental Laboratories, Inc.

6815 SW Archer Rd
Gainesville, FL 32608
352.377.2349 Phone
352.395.6639 Fax
NELAP Certified - FDH #E82001

AAG Environmental
PO Box 959
Newberry, FL 32669

Project: Gainesville RTS
Project Manager: Bob Momberger

Reported:
06/28/11 10:14

NOTES AND DEFINITIONS

- U Indicates that the compound was analyzed for but not detected. The value associated with the qualifier is the laboratory method detection limit.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference



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Advanced Environmental Laboratories, Inc
6601 Southpoint Parkway
Jacksonville, FL 32216
Phone: (904)363-9350
Fax: (904)363-9354

June 24, 2011

Karen Daniels
Advanced Environmental Laboratories, Inc.
6815 SW Archer Road
Gainesville, FL 32608

RE: Workorder: J1105317 1106359

Dear Karen Daniels:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, June 16, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andres Alvarez

Digitally signed by Andres Alvarez
DN: cn=Andres Alvarez, o=Advanced Environmental
Laboratories, Inc., ou, email=aalvarez@aellab.com, c=US
Date: 2011.06.24.16:45:25 -04'00'

Andy Alvarez
aalvarez@aellab.com
Project Manager

Enclosures

Report ID: 170433 - 3690975

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6601 Southpoint Parkway
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Phone: (904)363-9350
Fax: (904)363-9354

SAMPLE SUMMARY

Workorder: J1105317 1106359

Lab ID	Sample ID	Matrix	Date Collected	Date Received
J1105317001	MW-1	Water	6/15/2011 10:45	6/16/2011 08:30

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ANALYTICAL RESULTS

Workorder: J1105317 1106359

Lab ID: J1105317001 Date Received: 06/16/11 08:30 Matrix: Water
Sample ID: MW-1 Date Collected: 06/15/11 10:45

Sample Description: Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
------------	---------	-------	------	----	--------------	--------------	----------	-----

METALS

Analysis Desc: SW846 6010B	Preparation Method: SW-846 3010A
Analysis: Water	Analytical Method: SW-846 6010
Lead	0.0013 mg/L U 1 0.0070 0.0013 6/20/2011 20:14 J

SEMIVOLATILES

Analysis Desc: Flo-Pro Analysis Water	Preparation Method: FL-PRO
Analysis: Water	Analytical Method: FL-PRO
TPH	190 ug/L I 1 420 100 6/17/2011 19:10 J
o-Terphenyl (S)	82 % 1 82-142 6/17/2011 19:10
Nonatricontane-C39 (S)	80 % 1 42-193 6/17/2011 19:10

Analysis Desc: SW-8011 Analysis Water	Preparation Method: SW-846 8011
Analysis: Water	Analytical Method: SW-846 8011
1,2-Dibromo-3-Chloropropane	0.0056 ug/L U 1 0.019 0.0056 6/23/2011 16:27 J
Ethylene Dibromide (EDB)	0.0058 ug/L U 1 0.019 0.0058 6/23/2011 16:27 J
Tetrachloro-m-xylene (S)	120 % 1 40.3-190 6/23/2011 16:27

Analysis Desc: 8270C-SIM Analysis Water	Preparation Method: SW-846 3510C
Analysis: Water	Analytical Method: SW-846 8270C (SIM)
1-Methylnaphthalene	0.12 ug/L U,J4 1 0.20 0.12 6/19/2011 15:43 J
2-Methylnaphthalene	0.18 ug/L U,J4 1 0.20 0.18 6/19/2011 15:43 J
Acenaphthene	0.13 ug/L U,J4 1 0.20 0.13 6/19/2011 15:43 J
Acenaphthylene	0.13 ug/L U,J4 1 0.20 0.13 6/19/2011 15:43 J
Anthracene	0.080 ug/L U 1 0.20 0.080 6/19/2011 15:43 J
Benzo[a]anthracene	0.029 ug/L U 1 0.20 0.029 6/19/2011 15:43 J
Benzo[a]pyrene	0.023 ug/L U 1 0.20 0.023 6/19/2011 15:43 J
Benzo[b]fluoranthene	0.025 ug/L U 1 0.20 0.025 6/19/2011 15:43 J
Benzo[g,h,i]perylene	0.092 ug/L U 1 0.20 0.092 6/19/2011 15:43 J
Benzo[k]fluoranthene	0.082 ug/L U 1 0.20 0.082 6/19/2011 15:43 J
Chrysene	0.060 ug/L U 1 0.20 0.060 6/19/2011 15:43 J
Dibenzo[a,h]anthracene	0.047 ug/L U 1 0.20 0.047 6/19/2011 15:43 J
Fluoranthene	0.084 ug/L U 1 0.20 0.084 6/19/2011 15:43 J
Fluorene	0.10 ug/L U 1 0.20 0.10 6/19/2011 15:43 J
Indeno(1,2,3-cd)pyrene	0.039 ug/L U 1 0.20 0.039 6/19/2011 15:43 J
Naphthalene	0.15 ug/L U,J4 1 0.20 0.15 6/19/2011 15:43 J
Phenanthrene	0.10 ug/L U 1 0.20 0.10 6/19/2011 15:43 J
Pyrene	0.12 ug/L U 1 0.20 0.12 6/19/2011 15:43 J

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ANALYTICAL RESULTS

Workorder: J1105317 1106359

Lab ID: J1105317001
Sample ID: MW-1

Date Received: 06/16/11 08:30 Matrix: Water
Date Collected: 06/15/11 10:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Decafluorobiphenyl (S)	54	%		1	21-122		6/19/2011 15:43	

VOLATILES

Analysis Desc: 8260C Analysis: Water Preparation Method: SW-846-5030B
Analytical Method: SW-846-8260B

1,1,1-Trichloroethane	0.29	ug/L	U	1	1.0	0.29	6/16/2011 14:42	J
1,1,1,2-Tetrachloroethane	0.48	ug/L	U	1	1.0	0.48	6/16/2011 14:42	J
1,1,2-Trichloroethane	0.33	ug/L	U	1	1.0	0.33	6/16/2011 14:42	J
1,1-Dichloroethane	0.21	ug/L	U	1	1.0	0.21	6/16/2011 14:42	J
1,1-Dichloroethylene	0.29	ug/L	U	1	1.0	0.29	6/16/2011 14:42	J
1,2-Dichlorobenzene	0.36	ug/L	U	1	1.0	0.36	6/16/2011 14:42	J
1,2-Dichloroethane	0.29	ug/L	U	1	1.0	0.29	6/16/2011 14:42	J
1,2-Dichloropropane	0.29	ug/L	U	1	1.0	0.29	6/16/2011 14:42	J
1,3-Dichlorobenzene	0.31	ug/L	U	1	1.0	0.31	6/16/2011 14:42	J
1,4-Dichlorobenzene	0.37	ug/L	U	1	1.0	0.37	6/16/2011 14:42	J
2-Chloroethyl Vinyl Ether	0.26	ug/L	U	1	5.0	0.26	6/16/2011 14:42	J
Benzene	0.21	ug/L	U	1	1.0	0.21	6/16/2011 14:42	J
Bromodichloromethane	0.26	ug/L	U	1	1.0	0.26	6/16/2011 14:42	J
Bromofom	0.62	ug/L	U	1	5.0	0.62	6/16/2011 14:42	J
Bromomethane	0.26	ug/L	U	1	1.0	0.26	6/16/2011 14:42	J
Carbon Tetrachloride	0.24	ug/L	U	1	1.0	0.24	6/16/2011 14:42	J
Chlorobenzene	0.23	ug/L	U	1	1.0	0.23	6/16/2011 14:42	J
Chloroethane	0.58	ug/L	U	1	1.0	0.58	6/16/2011 14:42	J
Chlorofom	0.26	ug/L	U	1	1.0	0.26	6/16/2011 14:42	J
Chloromethane	0.29	ug/L	U	1	1.0	0.29	6/16/2011 14:42	J
Dibromochloromethane	0.33	ug/L	U	1	1.0	0.33	6/16/2011 14:42	J
Dichlorodifluoromethane	0.34	ug/L	U	1	1.0	0.34	6/16/2011 14:42	J
Ethylbenzene	0.17	ug/L	U	1	1.0	0.17	6/16/2011 14:42	J
Methyl tert-butyl Ether (MTBE)	0.23	ug/L	U	1	1.0	0.23	6/16/2011 14:42	J
Methylene Chloride	0.32	ug/L	U	1	5.0	0.32	6/16/2011 14:42	J
Tetrachloroethylene (PCE)	0.59	ug/L	U	1	1.0	0.59	6/16/2011 14:42	J
Toluene	0.28	ug/L	U	1	1.0	0.28	6/16/2011 14:42	J
Trichloroethene	0.36	ug/L	U	1	1.0	0.36	6/16/2011 14:42	J
Trichlorofluoromethane	0.35	ug/L	U	1	1.0	0.35	6/16/2011 14:42	J
Vinyl Chloride	0.37	ug/L	U	1	1.0	0.37	6/16/2011 14:42	J
Xylene (Total)	0.59	ug/L	U	1	3.0	0.59	6/16/2011 14:42	J
cis-1,2-Dichloroethylene	0.28	ug/L	U	1	1.0	0.28	6/16/2011 14:42	J
cis-1,3-Dichloropropene	0.29	ug/L	U	1	1.0	0.29	6/16/2011 14:42	J
trans-1,2-Dichloroethylene	0.40	ug/L	U	1	1.0	0.40	6/16/2011 14:42	J

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ANALYTICAL RESULTS

Workorder: J1105317 1106359

Lab ID: J1105317001
Sample ID: MW-1

Date Received: 06/16/11 08:30 Matrix: Water
Date Collected: 06/15/11 10:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
trans-1,3-Dichloropropylene	0.19	ug/L	U	1	5.0	0.19	6/16/2011 14:42	J
1,2-Dichloroethane-d4 (S)	103	%		1	80-120		6/16/2011 14:42	
Toluene-d8 (S)	98	%		1	88-110		6/16/2011 14:42	
Bromofluorobenzene (S)	107	%		1	86-115		6/16/2011 14:42	

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Advanced Environmental Laboratories, Inc
6601 Southpoint Parkway
Jacksonville, FL 32216
Phone: (904)363-9350
Fax: (904)363-9354

ANALYTICAL RESULTS QUALIFIERS

Workorder: J1105317 1106359

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J4 Estimated Result

LAB QUALIFIERS

- J DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)

Report ID: 170433 - 3690975

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QUALITY CONTROL DATA

Workorder: J1105317 1106359

QC Batch: MSVj/20849 Analysis Method: SW-846 8260B
QC Batch Method: SW-846 5030B Prepared: 06/16/2011 08:36
Associated Lab Samples: J1105317001

METHOD BLANK: 756524

Parameter	Units	Blank Result	Reporting Limit Qualifiers
VOLATILES			
Dichlorodifluoromethane	ug/L	0.34	0.34 U
Chloromethane	ug/L	0.29	0.29 U
Vinyl Chloride	ug/L	0.37	0.37 U
Bromomethane	ug/L	0.26	0.26 U
Chloroethane	ug/L	0.58	0.58 U
Trichlorofluoromethane	ug/L	0.35	0.35 U
1,1-Dichloroethylene	ug/L	0.29	0.29 U
Methylene Chloride	ug/L	0.38	0.32 U
trans-1,2-Dichloroethylene	ug/L	0.40	0.40 U
Methyl tert-butyl Ether (MTBE)	ug/L	0.23	0.23 U
1,1-Dichloroethane	ug/L	0.21	0.21 U
cis-1,2-Dichloroethylene	ug/L	0.28	0.28 U
Chloroform	ug/L	0.26	0.26 U
1,2-Dichloroethane	ug/L	0.29	0.29 U
1,1,1-Trichloroethane	ug/L	0.29	0.29 U
Carbon Tetrachloride	ug/L	0.24	0.24 U
Benzene	ug/L	0.21	0.21 U
1,2-Dichloropropane	ug/L	0.29	0.29 U
Trichloroethene	ug/L	0.36	0.36 U
Bromodichloromethane	ug/L	0.26	0.26 U
2-Chloroethyl Vinyl Ether	ug/L	0.26	0.26 U
cis-1,3-Dichloropropene	ug/L	0.29	0.29 U
trans-1,3-Dichloropropylene	ug/L	0.19	0.19 U
1,1,2-Trichloroethane	ug/L	0.33	0.33 U
Toluene	ug/L	0.28	0.28 U
Dibromochloromethane	ug/L	0.33	0.33 U
Tetrachloroethylene (PCE)	ug/L	0.59	0.59 U
Chlorobenzene	ug/L	0.23	0.23 U
Ethylbenzene	ug/L	0.17	0.17 U
Bromoform	ug/L	0.62	0.62 U
1,1,2,2-Tetrachloroethane	ug/L	0.48	0.48 U
1,3-Dichlorobenzene	ug/L	0.31	0.31 U
1,4-Dichlorobenzene	ug/L	0.37	0.37 U
1,2-Dichlorobenzene	ug/L	0.36	0.36 U
Xylene (Total)	ug/L	0.59	0.59 U
1,2-Dichloroethane-d4 (S)	%	102	80-120
Toluene-d8 (S)	%	98	88-110
Bromofluorobenzene (S)	%	104	86-115

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QUALITY CONTROL DATA

Workorder: J1105317 1106359

QC Batch: EXTj/21320 Analysis Method: FL-PRO
QC Batch Method: FL-PRO Prepared: 06/16/2011 13:00
Associated Lab Samples: J1105317001

METHOD BLANK: 756658

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMIVOLATILES			
TPH	ug/L	100	100 U
o-Terphenyl (S)	%	82	82-142
Nonatricontane-C39 (S)	%	88	42-193

QC Batch: EXTj/21321 Analysis Method: SW-846 8270C (SIM)
QC Batch Method: SW-846 3510C Prepared: 06/16/2011 13:00
Associated Lab Samples: J1105317001

METHOD BLANK: 756664

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMIVOLATILES			
Naphthalene	ug/L	0.15	0.15 U
2-Methylnaphthalene	ug/L	0.18	0.18 U
1-Methylnaphthalene	ug/L	0.12	0.12 U
Acenaphthylene	ug/L	0.13	0.13 U
Acenaphthene	ug/L	0.13	0.13 U
Fluorene	ug/L	0.10	0.10 U
Phenanthrene	ug/L	0.10	0.10 U
Anthracene	ug/L	0.080	0.080 U
Fluoranthene	ug/L	0.084	0.084 U
Pyrene	ug/L	0.12	0.12 U
Benzo[a]anthracene	ug/L	0.029	0.029 U
Chrysene	ug/L	0.060	0.060 U
Benzo[b]fluoranthene	ug/L	0.025	0.025 U
Benzo[k]fluoranthene	ug/L	0.082	0.082 U
Benzo[a]pyrene	ug/L	0.023	0.023 U
Indeno(1,2,3-cd)pyrene	ug/L	0.039	0.039 U
Dibenzo[a,h]anthracene	ug/L	0.047	0.047 U
Benzo[g,h,i]perylene	ug/L	0.092	0.092 U
Decafluorobiphenyl (S)	%	61	21-122

QC Batch: DGMj/22983 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 06/20/2011 08:00

Report ID: 170433 - 3690975

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QUALITY CONTROL DATA

Workorder: J1105317 1106359

Associated Lab Samples: J1105317001

METHOD BLANK: 757096

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Lead	mg/L	0.0013	0.0013 U

QC Batch: EXTJ/21342

Analysis Method: SW-846 8011

QC Batch Method: SW-846 8011

Prepared: 06/23/2011 14:00

Associated Lab Samples: J1105317001

METHOD BLANK: 760201

Parameter	Units	Blank Result	Reporting Limit Qualifiers
SEMIVOLATILES			
Ethylene Dibromide (EDB)	ug/L	0.0061	0.0061 U
1,2-Dibromo-3-Chloropropane	ug/L	0.0059	0.0059 U
Tetrachloro-m-xylene (S)	%	81	40.3-190

QUALITY CONTROL DATA QUALIFIERS

Workorder: J1105317 1106359

QUALITY CONTROL PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- V Method Blank Contamination

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: J1105317 1106359

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
J1105317001	MW-1	SW-846 5030B	MSVj/20849	SW-846 8260B	MSVj/20850
J1105317001	MW-1	FL-PRO	EXTj/21320	FL-PRO	GCSj/20086
J1105317001	MW-1	SW-846 3510C	EXTj/21321	SW-846 8270C (SIM)	MSSj/17978
J1105317001	MW-1	SW-846 3010A	DGMj/22983	SW-846 6010	ICPj/21747
J1105317001	MW-1	SW-846 8011	EXTj/21342	SW-846 8011	GCSj/20102

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Client: AEL GVILLE Project name: 1106359
Date/Time Rcvd: 6-16-11 08:30 Log-in request number: J1105317
Received by: DEL Completed by: DEL

Cooler/Shipping Information:

Courier: AEL Client UPS Blue Streak FedEx AES ASAP Other (describe): _____
Type: Cooler Box Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID					
Temp (°C)	<u>2</u>				
Temp taken from	<input type="checkbox"/> Sample Bottle <input checked="" type="checkbox"/> Cooler	<input type="checkbox"/> Sample Bottle <input type="checkbox"/> Cooler	<input type="checkbox"/> Sample Bottle <input type="checkbox"/> Cooler	<input type="checkbox"/> Sample Bottle <input type="checkbox"/> Cooler	<input type="checkbox"/> Sample Bottle <input type="checkbox"/> Cooler
Temp measured with	<input checked="" type="checkbox"/> IR gun S/N 9333779 <input type="checkbox"/> Thermometer (enter ID):	<input type="checkbox"/> IR gun S/N 9333779 <input type="checkbox"/> Thermometer (enter ID):	<input type="checkbox"/> IR gun S/N 9333779 <input type="checkbox"/> Thermometer (enter ID):	<input type="checkbox"/> IR gun S/N 9333779 <input type="checkbox"/> Thermometer (enter ID):	<input type="checkbox"/> IR gun S/N 9333779 <input type="checkbox"/> Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?			<u>—</u>
2. Were custody papers properly included with samples?	<u>—</u>		
3. Were custody papers properly filled out (ink, signed, match labels)?	<u>—</u>		
4. Did all bottles arrive in good condition (unbroken)?		<u>—</u>	
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	<u>—</u>		
6. Did the sample labels agree with the chain of custody?	<u>—</u>		
7. Were correct bottles used for the tests indicated?	<u>—</u>		
8. Were proper sample preservation techniques indicated on the label?	<u>—</u>		
9. Were samples received within holding times?	<u>—</u>		
10. Were all VOA vials checked for the presence of air bubbles?	<u>—</u>		
11. Were there air bubbles present in the VOA vials?		<u>—</u>	
12. Were samples in direct contact with wet ice? If "No," check one: <input type="checkbox"/> NO ICE <input type="checkbox"/> BLUE ICE	<u>—</u>		
13. Was the cooler temperature less than 6°C?	<u>—</u>		
14. Were sample pHs checked and recorded by Sample control? Note: VOA samples are checked by laboratory analysts.		<u>—</u>	
15. Was sufficient sample volume provided to perform all tests?	<u>—</u>		
16. Were the sample containers provided by AEL?	<u>—</u>		
17. Were samples accepted into the laboratory?	<u>—</u>		
18. Was it necessary to split samples into other bottles?	<u>—</u>		

Comments:

sample for Pb analysis not provided. Split sample from unp. sample. Preservation will occur in lab.

**Advanced
Environmental Laboratories, Inc.**

6881 Southpoint Parkway
Jacksonville, Florida 32218
(904) 383-8350 FAX (904) 383-8354

QC Batch: MSSJ17878
Method: 8270
Prep Method:

I. RECEIPT

No Exceptions were encountered.

II. HOLDING TIMES

Preparation: All holding times were met.
Analysis: All holding times were met.

III. PREPARATION

There was limited volume for MS/MSD analysis. The sample was split at equal volumes during the extraction process. The volume discrepancy is calculated in the final result.

VI. ANALYSIS

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: The matrix spike recoveries of Naphthalene, 2-Methylanthracene, 1-Methylanthracene, Acenaphthylene and Acenaphthene were outside the control criteria because of suspected matrix interference. The extractionist noted emulsions forming during the extraction process which affect accurate recoveries. As a result of the interference, the results for these analytes might contain a low bias. The LCS met all criteria which indicates the batch was in control. The affected results are qualified to indicate matrix interference.

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analysis proceeded normally.

G. Other:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette:

Friday, June 24, 2011 4:44:43 PM

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Form FS 9009-24
GROUNDWATER SAMPLING LOG

SITE NAME: GAINESVILLE RTS	SITE LOCATION: 100SE 10TH AVE: ID# 01/8518076
WELL NO: MW1	DATE: 6/15/11

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 7.6	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = 15 feet - 7.6 feet X 0.04 gallons/foot = 0.3 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.5	PURGING INITIATED AT: 1030	PURGING ENDED AT: 1045	TOTAL VOLUME PURGED (gallons): 1.5
---	---	-----------------------------------	-------------------------------	---

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1033	0.3	0.3	0.1	8.6	-	-	-	-	-	FLIGHTY CLOUDS	NONE
1036	↓	0.6	↓	8.7	7.26	24.8	0.412	0.23	29	CLEAR	↓
1039	↓	0.9	↓	8.65	7.21	24.6	0.406	0.22	20	↓	↓
1042	↓	1.2	↓	8.55	7.18	24.5	0.402	0.22	18	↓	↓
1045	↓	1.5	↓	8.53	7.17	24.5	0.398	0.21	13	↓	↓

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT/AFFILIATION): J. FRESLEY / AAH	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1045	SAMPLING ENDED AT: 1110
PUMP OR TUBING DEPTH IN WELL (feet): 9.5	TUBING MATERIAL CODE: PE15	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>	DUPLICATE: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW1	3	CG	40ML	3H			PP HALOCARBON BTPPTBE	RAPP	100
↓	3	CG	40ML	1H, 2I			EDB	↓	100
↓	1	AG	1L	1I			PAH	APP	200
↓	1	AG	1L	1S			FLAND	↓	↓
↓	1	P	500ML	1I			Pb	↓	↓

REMARKS: **TABLE B ANALYTES**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

APPENDIX C
Soil Boring Logs
Well Construction and Development Log
Well Completion Report
Well Abandonment Report

BORING LOG

Boring/Well Number: SBI		Permit Number: —		FDEP Facility Identification Number: 01/8518076	
Site Name: GAINESVILLE RTS		Borehole Start Date: 6/2/11	Borehole Start Time: 0915 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	End Date: 6/3/11	End Time: 0920 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
Environmental Contractor: AAG ENVIRONMENTAL		Geologist's Name: RJ MOMBARGER		Environmental Technician's Name: J. PRESLEY	
Drilling Company: EDS, INC		Pavement Thickness (inches): 0	Borehole Diameter (inches): 2	Borehole Depth (feet): 12	
Drilling Method(s): DPT		Apparent Borehole DTW (in feet from soil moisture content): 10	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): MINI AE 2000 FID <input checked="" type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA PID	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-4	48				0	LS ₁	LIMESTONE FILL	LS	D	SOIL SAMPLE SS3② 1-2 FT
						1.2	SM ₂	SAND, FINE GRAIN QZ SILT, NON PLASTIC (N.P.) BROWN, DR Y	SM	D	
DP	4-12	84				0	3				
						0	4				
						0	5	SAND, MED. GRAIN QZ N.P., YELLOW BROWN DR	SP	D	
						0	6				
						0	7				
						0	8				
						0	9	SAND, MED. GRAIN QZ CLAY, LOW P., BLUE-G SC MIST GRAN	SC	SUBSTLY M	
						0	10				
						0	11	SAND, MED. GRAIN QZ N.P., V. MOIST - WET BROWN	SP	VERY M	
						0	12		SP	W	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: SB2		Permit Number: —		FDEP Facility Identification Number: 01/8518076	
Site Name: GAINESVILLE RTS		Borehole Start Date: 6/3/11	Borehole Start Time: 0940 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	End Date: 6/3/11	End Time: 1005 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
Environmental Contractor: AAG ENVIRONMENTAL		Geologist's Name: RS MEMBERGER		Environmental Technician's Name: J. PIESLEY	
Drilling Company: EDS, INC.	Pavement Thickness (inches): 0	Borehole Diameter (inches): 2	Borehole Depth (feet): 10		
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 9.5	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): MINAE 2000 FID <input checked="" type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other					
(describe if other or multiple items are checked):					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA PID	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	4	48				0	LS ₁	LIMESTONE FILL	LS	D	SOIL SAMPLE SS2 ② SL. 28 FT M TIN
						0	SM ₂	SAND, FINE GRAIN OR SILTY, N.P. GRAY DAY - BROWN	SM	D	
DP	6	72				0	3				
						0	4				
						0	SP ₅	SAND, MED. GRAIN OR TRACE CLAY N.P. BROWN DAY	SP	D	
						0	6				
						0	7				
						8-2	8				
						0	SC ₉	SAND, MED. GRAIN OR CLAY, L.P. BLUE-GRAY SL. MOIST	SC		
						0	SP ₁₀	SAND, MED. GRAIN OR N.P. BROWN WET	SP	W	
					11						
						12					

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: SB3		Permit Number: —		FDEP Facility Identification Number: 01/8518076	
Site Name: GAINESVILLE RTS		Borehole Start Date: 6/3/11	Borehole Start Time: 1005 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		End Date: 6/3/11
Environmental Contractor: AAG ENVIRONMENTAL		Geologist's Name: RS MEMBERGER		Environmental Technician's Name: J. PRESLEY	
Drilling Company: EDS, INC	Pavement Thickness (inches): 6	Borehole Diameter (inches): 2		Borehole Depth (feet): 10	
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 8	Measured Well DTW (in feet after water recharges in well): —		OVA (list model and check type): MINI AE 2000 FID <input checked="" type="checkbox"/> PID	

Disposition of Drill Cuttings [check method(s)]: Drum Spread Backfill Stockpile Other
 (describe if other or multiple items are checked):

Borehole Completion (check one): Well Grout Bentonite Backfill Other (describe)
ASPHALT PATCH

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
HA ↓ DP	.5-4	42				PID	1	ASPHALT LIMESTONE FILL	LS	D		
							2	SAND, FINE GRAIN @ TC SILTY, N.P. BROWN DM	SM	D		
	4-10	70					3					
							4					
							5	SAND, MED GRAIN @ TC N.P. BROWN, DM	SP	D		
							6					
							7					
							8	WET @ 8 FT	SP	W		
	10						9	SAND, MED GRAIN @ TC CLAYEY, LOW PLASTICITY (L.P.) BLUE-GRAY MOIST	SC	M		
							10					
						11						
						12						

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: SB4	Permit Number: -	FDEP Facility Identification Number: 01/8518076
Site Name: GAINESVILLE RTS	Borehole Start Date: 6/3/11 End Date: 6/3/11	Borehole Start Time: 1025 AM <input checked="" type="checkbox"/> PM End Time: 1045 AM <input checked="" type="checkbox"/> PM
Environmental Contractor: AAG ENVIRONMENTAL	Geologist's Name: RS MEMBERGER	Environmental Technician's Name: J. PRESLEY
Drilling Company: EDS, INC	Pavement Thickness (inches): 6	Borehole Diameter (inches): 2
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 10	Measured Well DTW (in feet after water recharges in well): -
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):		
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe) ASPHALT PATCH		

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA PID	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-4	48				0	1	ASPHALT	LS	D	
							2	LIMESTONE FILL SAND, FINE GRAIN QZT SILTY/N.P., BROWN - GRAY DRY	SM	D	
DP	4-10	60				0	4	SAND, MED. GRAIN QZT N.P. BROWN DRY	SP	D	
							5				
						0	6		SP	M	
						0	7		SC	M	
						0	8				
						0	9				
						0	10	WET @ 10ft	SC	W	
						0	11				
						0	12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG


Boring/Well Number: SB5		Permit Number: —		FDEP Facility Identification Number: 01/8518076	
Site Name: GAINESVILLE RTS		Borehole Start Date: 6/3/11	Borehole Start Time: 1110 AM <input type="checkbox"/> PM	End Date: 6/3/11	End Time: 1130 AM <input type="checkbox"/> PM
Environmental Contractor: AAG ENVIRONMENTAL		Geologist's Name: RJ MUMBERGER		Environmental Technician's Name: J. PRESLEY	
Drilling Company: EDS, INC.		Pavement Thickness (inches): 0	Borehole Diameter (inches): 2	Borehole Depth (feet): 10	
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 9	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): MINNAE 2000 FID <input checked="" type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (Inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA ↓ DP	0-4	48				0	LS 1	LIMESTONE FILL	LS	D	
						0	SM 2	SAND, FINE GRAIN QZ SILTY, N.P. GRAY-BROWN DRY	SM	D	
						0	3				
						0	4				
						0	5				
						0	SP 6	SAND, MED GRAIN QZ N.P. BROWN DRY	SP	D	
						0	7				
						0	8				
						0	SC 9	SAND, MED. GRAIN QZ CLAYEY, BLUE GRAY MOIST L.P.	SC	M	
						0	SP 10	SAND, MED GRAIN QZ N.P. BROWN WET	SP	W	
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: SB 6		Permit Number: —		FDEP Facility Identification Number: 01/8518076	
Site Name: GAINESVILLE PZTS		Borehole Start Date: 6/3/11	Borehole Start Time: 1130 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	End Date: 6/3/11	End Time: 1145 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
Environmental Contractor: AAG ENVIRONMENTAL		Geologist's Name: RS MEMBERGER		Environmental Technician's Name: J. PRESLEY	
Drilling Company: EDS, INC		Pavement Thickness (inches): 6	Borehole Diameter (inches): 2	Borehole Depth (feet): 10	
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 9.5	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): MINI AE 2000 <input checked="" type="checkbox"/> FID <input checked="" type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe) ASPHALT PATCH					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
HA	0-2	48				0	1	ASPHALT LIMESTONE "PEARL" GRAVELS FILL 				
DP	2-10	60			0	2						
					0	3						
					0	4						
					0	5						
					0	6						
					0	7						
					0	8						
					0	9				LS	M	
					0	10			WET @ 9.5 ft SAND AT 10 ft	LS	W	
							11					
							12					

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: SB 7		Permit Number: —		FDEP Facility Identification Number: 01/8518076	
Site Name: GAINESVILLE RTS		Borehole Start Date: 6/3/11	Borehole Start Time: 1175 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	End Date: 6/3/11	End Time: 1200 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Environmental Contractor: AAG ENVIRONMENTAL		Geologist's Name: RS MEMBERGER		Environmental Technician's Name: J. PUESLEY	
Drilling Company: EDS, INC	Pavement Thickness (inches): 6	Borehole Diameter (inches): 2	Borehole Depth (feet): 10		
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 9.5	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): MINNAE 2000 FID <input checked="" type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe) ASPHALT PATCH					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA PID	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	48				0	1	ASPHALT	LS	D	
DP	2-10	60				0	2	LIMESTONE "PEA" GRAVEL FILL			
						0	3				
						0	4				
						0	5				
						0	6				
						0	7				
						0	8				
						0	9				
						0	10				
						0	11	SAND, MED GRAIN ORG N.P. BROWN WET	LS	M	
						0	12		SP	W	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: SB 8	Permit Number: —	FDEP Facility Identification Number: 01/8518076
Site Name: GAINESVILLE P.T.S	Borehole Start Date: 6/3/11 End Date: 6/13/11	Borehole Start Time: 12:00 AM <input checked="" type="checkbox"/> PM End Time: 12:15 AM <input checked="" type="checkbox"/> PM
Environmental Contractor: AAG ENVIRONMENTAL	Geologist's Name: RS MEMBERGER	Environmental Technician's Name: J. PAESLEY
Drilling Company: EDS, INC	Pavement Thickness (inches): 6	Borehole Diameter (inches): 2
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 9.5	Measured Well DTW (in feet after water recharges in well): —
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):		
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe) ASPHALT PATCH		

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA PID	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	49				0	1	ASPHALT	LS	D	
DP	2-10	60				0	2	LIMESTONE "PER" GRAVEL FILL			
						0	3				
						0	4				
						0	5				
						0	6				
						0	7				
						0	8	SAND, MED. GRAIN QZ	SP	D	
						0	9	N.P. BROWN MOIST @ 9 ft			
						0	10	WET @ 9.5 ft	SP	M	
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: 589		Permit Number: —		FDEP Facility Identification Number: 01/8518076	
Site Name: GAINESVILLE RTS		Borehole Start Date: 6/3/11	Borehole Start Time: 1215 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	End Date: 6/3/11	End Time: 1230 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Environmental Contractor: AAG ENVIRONMENTAL		Geologist's Name: RS MOMBELGER		Environmental Technician's Name: J. PRESLEY	
Drilling Company: EDS, INC		Pavement Thickness (inches): 6	Borehole Diameter (inches): 2	Borehole Depth (feet): 10	
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 9.5	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): MINAE 2000 FID <input checked="" type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input checked="" type="checkbox"/> Other (describe) ASPHALT PATCH					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	48				0	1	ASPHALT	LS		
DP	2-10	60				0	2	LIMESTONE "PEA" GRAVEL FILL			
						0	3	↓ SAND, MED GRAIN RT SP N.P., BROWN MOIST @ 9.5 SP W WET @ 9.5 SP			
						0	4				
						0	5				
						0	6				
						0	7				
						0	8				
						0	9				
						0	10				
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: SB 10		Permit Number: —		FDEP Facility Identification Number: 01/8518076	
Site Name: GAINESVILLE PETS		Borehole Start Date: 6/3/11	Borehole Start Time: 1230 AM <input checked="" type="checkbox"/> PM	End Date: 6/3/11	End Time: 1245 AM <input checked="" type="checkbox"/> PM
Environmental Contractor: AAG ENVIRONMENTAL		Geologist's Name: RS MUMBERGER		Environmental Technician's Name: J. PUESLEY	
Drilling Company: EDS, INC		Pavement Thickness (inches): 0	Borehole Diameter (inches): 2	Borehole Depth (feet): 10	
Drilling Method(s): DPT	Apparent Borehole DTW (in feet from soil moisture content): 9	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): MINNAE 2000 FID <input checked="" type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input type="checkbox"/> Spread <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA PID	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-4	48				0	LS ₁	LIMESTONE FILL	LS	D	SOIL SAMPLE SSI ① 1-2 ft
						3.8	SM ₂	SAND, FINE GRAIN CRT SILTY, GRAY-BROWN N.P. DRY	SM	D	
DP	4-10	60				1.0	3				
						0	4				
						0	5	SAND, MED GRAIN CRT N.P., BROWN, DRY			
						0	6				
						0	7				
						0	8				
						0	9	SLIGHTLY CLAYEY 8-9 ft N.P.	SP	M	
						0	10	wet @ 9 ft	SP	W	
							11				
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: MW 1		Permit Number:		FDEP Facility Identification Number: 01/8518076	
Site Name: GAINESVILLE RTS		Borehole Start Date: 6-3-11		Borehole Start Time: 1300 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
		End Date: 6-3-11		End Time: 1325 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
Environmental Contractor: AAG ENVIRONMENTAL		Geologist's Name: R. MOMBACHER		Environmental Technician's Name: J. MESLEY	
Drilling Company: EDS, INC		Pavement Thickness (inches): 0		Borehole Diameter (inches): 3	
				Borehole Depth (feet): 15	
Drilling Method(s): DPT		Apparent Borehole DTW (in feet from soil moisture content): 9.5		Measured Well DTW (in feet after water recharges in well): 9	
				OVA (list model and check type): MINI-RATE 2000 <input type="checkbox"/> FID <input checked="" type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other					
(describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (Inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA ↓ DP	0-4	48				0	LS ₁	LIMESTONE FILL	LS	D	
						0	SM ₂	SAND, F.G. QTZ SILTY, NON-PLASTIC (N.P.) GRAY-BROWN DM	SM	D	
						0	3				
						0	4				
		4-12	96			0	SP ₅	SAND, M.G. QTZ TRACE CLAY, N.P. BROWN DM	SP	D	
						0	6				
						0	7				
						8.2	8				
						0	SC ₉	SAND, M.G. QTZ CLAYEY, LOW P, BLUE-GRAY SL. MOIST	SC	SL. M	
						0	10				
						0	SP ₁₁	SAND, M.G. QTZ N.P., BROWN WET	SP	W	
						0	12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number:		FDEP Facility Identification Number:		Site Name:		Borehole Start Date:		End Date:			
Mw1				GVL PTS		6-3-11		6-3-11			
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA PID	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
DP	12-15	36				0 0 0	SP 13 14 15	SAND, MED. G. GR. OIL N.P. BROWN WET ↓	SP ↓	W ↓	
							16	END OF BORING 15 FT			
							17				
							18				
							19				
							20				
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MW1	Site Name: GAINESVILLE RTS	FDEP Facility I.D. Number: 01/8518076	Well Install Date(s): 6/3/11		
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)	Well Install Method: DPT		
If AG, list feet of riser above land surface:		Surface Casing Install Method: —			
Borehole Depth (feet): 15	Well Depth (feet): 15	Borehole Diameter (inches): 3	Manhole Diameter (inches): 8	Well Pad Size: 2 feet by 2 feet	
Riser Diameter and Material: 1" SCH 40 PVC	Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: 5 feet from 0 feet to 5 feet			
Screen Diameter and Material: 1" SCH 40 PVC	Screen Slot Size: .010	Screen Length: 10 feet from 5 feet to 15 feet			
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: — feet from 0 feet to — feet			
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: — feet from 0 feet to — feet			
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: — feet from 0 feet to — feet			
Filter Pack Material and Size: 20/30 OR SAND	Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Filter Pack Length: 15 feet from 5 feet to 15 feet			
Filter Pack Seal Material and Size: FINE SAND - 30/60		Filter Pack Seal Length: 1 feet from 4 feet to 5 feet			
Surface Seal Material: NEAT CEMENT		Surface Seal Length: 4 feet from 0 feet to 4 feet			

WELL DEVELOPMENT DATA			
Well Development Date: 6/4/11	Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input checked="" type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)	Depth to Groundwater (before developing in feet): 8.0		
Pumping Rate (gallons per minute): 0.2 - 0.3	Maximum Drawdown of Groundwater During Development (feet): 5	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent	Total Development Water Removed (gallons): 5	Development Duration (minutes): 30	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: CLOUDY / NONE		Water Appearance (color and odor) At End of Development: CLEAR / NONE	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS



STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

PLEASE, FILL OUT ALL APPLICABLE FIELDS (*Denotes Required Fields Where Applicable)
Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) ALACHUA

Official Use Only

1. *Permit Number N/A *CUP/WUP Number *DID Number 62-524 Delineation No.

2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0

3. *Owner's Name CITY OF GAINESVILLE 4. *Completion Date 6/3/11 5. Florida Unique ID

6. 100 SE 10TH AVE, GAINESVILLE, FL
Well Location - Address, Road Name or Number, City, ZIP

7. *County ALACHUA *Section 9 Land Grant *Township 10 *Range 20

8. Latitude Longitude

9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84

10. *Type of Work: X Construction Repair Modification Abandonment

11. *Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Livestock X Monitoring
Public Water Supply (Limited Use/DOH) Recreation Area Irrigation Nursery Irrigation Test
Public Water Supply (Community or Non-Community/DEP) Commercial/Industrial Earth-Coupled Geothermal
Class I Injection Golf Course Irrigation HVAC Supply
Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage
Remediation: Recovery Air Sparge Other (Describe)
Other (Describe)

12. *Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic
Horizontal Drilling X Hydraulic Point (Direct Push) Other

13. *Measured Static Water Level ft. Measured Pumping Water Level ft. After Hours at GPM

14. *Measuring Point (Describe) Which is ft. Above Below Land Surface *Flowing: Yes No

15. *Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other

16. *Total Well Depth 15 ft. Cased Depth 5 ft. *Open Hole: From 0 To 5 ft. *Screen: From 5 To 15 ft. Slot Size .010

17. *Abandonment: Other (Explain)
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

18. *Surface Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

19. *Primary Casing Diameter and Depth:
Dia 1 in. From 0 ft. To 5 ft. No. of Bags 1/2 Seal Material (Check One): X Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

20. *Liner Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

21. *Telescope Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

22. Pump Type (If Known): Centrifugal Jet Submersible Turbine
Horsepower Pump Capacity (GPM)
Pump Depth ft. Intake Depth ft.
23. Chemical Analysis (When Required):
Iron ppm Sulfate ppm Chloride ppm
Laboratory Test Field Test Kit

24. Water Well Contractor:
*Contractor Name DOUGLAS A. LEONHARDT License Number 2406 E-mail Address LISA@EDSENVIRONMENTAL.COM

*Contractor's Signature [Signature] *Driller's Name (Print or Type) CHRIS PHELPS
(I certify that the information provided in this report is accurate and true.)



STATE OF FLORIDA WELL COMPLETION REPORT

Date Stamp

- Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable) ALACHUA

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Official Use Only

1.*Permit Number N/A *CUP/WUP Number *DID Number 62-524 Delineation No.

2.*Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0

3.*Owner's Name CITY OF GAINESVILLE 4.*Completion Date 8/16/11 5. Florida Unique ID

6. 100 SE 10TH AVE, GAINESVILLE, FL
*Well Location - Address, Road Name or Number, City, ZIP

7.*County ALACHUA *Section 09 Land Grant *Township 10 Range 20

8. Latitude Longitude

9. Data Obtained From: GPS Map Survey Datum: NAD 27 NAD 83 WGS 84

10.*Type of Work: Construction Repair Modification X Abandonment

11.*Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock X Monitoring
Public Water Supply (Limited Use/DOH) Nursery Irrigation Test
Public Water Supply (Community or Non-Community/DEP) Commercial/Industrial Earth-Coupled Geothermal
Class I Injection Golf Course Irrigation HVAC Supply
Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage
Remediation: Recovery Air Sparge Other (Describe)
Other (Describe)

12.*Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic
Horizontal Drilling Hydraulic Point (Direct Push) X Other PLUGGED BY APPROVED METHOD

13.*Measured Static Water Level ft. Measured Pumping Water Level ft. After Hours at GPM

14.*Measuring Point (Describe) Which is ft. Above Below Land Surface *Flowing: Yes No

15.*Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other

16.*Total Well Depth ft. Cased Depth ft. *Open Hole: From To ft. *Screen: From To ft. Slot Size

17.*Abandonment: X Other (Explain) NO LONGER NEEDED
From 0 ft. To 15 ft. No. of Bags Seal Material (Check One): X Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

18.*Surface Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

19.*Primary Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

20.*Liner Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

21.*Telescope Casing Diameter and Depth:
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other
Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

22. Pump Type (If Known): Centrifugal Jet Submersible Turbine
Horsepower Pump Capacity (GPM)
Pump Depth ft. Intake Depth ft.
23. Chemical Analysis (When Required):
Iron ppm Sulfate ppm Chloride ppm
Laboratory Test Field Test Kit

24. Water Well Contractor:
*Contractor Name DOUGLAS A. LEONHARDT *License Number 2406 E-mail Address LISA@EDSENVIRONMENTAL.COM

*Contractor's Signature [Signature] *Driller's Name (Print or Type) CARL LEONHARDT
(I certify that the information provided in this report is accurate and true.)



Poor Original

7109

BORINGS + WELL LOCATION
CITY OF GAINESVILLE RTS FACILITY
100 SE 10TH AVE, GAINESVILLE FL
FOEP FACILITY ID # CA/8518076