

INITIAL ABATEMENT ACTION REPORT

FOR

NCDOT

STATE PROJECT: R-2303A

WBS ELEMENT: 34416.1.1

DESCRIPTION: NC 24 from West of SR 1006 (Maxwell Road/Clinton Road) in Cumberland County to SR 1853 (John Nunnery Road)

PARCEL #81B

ROBERT LEE LONG PROPERTY

6871 CLINTON ROAD

STEDMAN, CUMBERLAND COUNTY, NORTH CAROLINA 28391

AUGUST 5, 2011

PREPARED FOR:



**NCDOT GEOTECHNICAL ENGINEERING UNIT-GEOENVIRONMENTAL SECTION
1589 MAIL SERVICE CENTER
RALEIGH, NORTH CAROLINA 27699-1589**

PREPARED BY:

**CATLIN ENGINEERS AND SCIENTISTS
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CATLIN PROJECT NO. 210-124

**CORPORATE GEOLOGY LICENSE CERTIFICATION NO. C-118
CORPORATE LICENSURE NO. FOR ENGINEERING SERVICES C-0585**

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Cumberland County to SR 1853 (John Nunnery Rd.)**

AUGUST 5, 2011

A. GENERAL INFORMATION

1. SITE INFORMATION

1.1 Site Name

NCDOT Proposed Right-of-Way (ROW)
Parcel 81B
Robert Lee Long Property

1.2 Facility I.D. Number

Unknown

1.3 Site address, telephone number and county

6871 Clinton Road
Stedman, Cumberland County, North Carolina 28391
Telephone: 910-303-1411
(See Figures 1 and 2)
Longitude -78.70746° W
Latitude 35.01717 ° N

2. CONTACTS INFORMATION

2.1 Name, address, and telephone number of UST owner and operator

Orphan

2.2 Name, address, telephone number and job title of primary contact person

Mr. Ethan Caldwell, PE, LG
NCDOT GeoEnvironmental Section
1589 MSC
Raleigh, North Carolina 27699-1589
Telephone: 919-250-4088

2.3 Name, address and telephone number of closure contractor(s)

Mr. Tony Disher
EVO Corporation
1703 Vargrave Street
Winston-Salem, North Carolina 27107
Telephone: 336-725-5944

2.4 Name, address and telephone number of primary consultant

CATLIN Engineers and Scientists (CATLIN)
Attn: G. Richard Garrett, P.G.
P.O. Box 10279
Wilmington, North Carolina 28404-0279
Telephone: 910-452-5861

2.5 Name, address and telephone number of soil disposal contractor

ES&J Enterprises, Incorporated
1555 Holland Road
Autryville, North Carolina 28318
Telephone: 919-567-6138
NCDENR Permit #: SR0600035

2.6 Name, address, telephone number, and State Certification number of laboratory

SGS North America, Inc.
5500 Business Drive
Wilmington, North Carolina 28405
Telephone: 910-350-1903
North Carolina State Certification No. 481

B. SITE HISTORY AND CHARACTERIZATION

Currently this site is a residence. Historically the site operated as a gas station. The site is located on the northwest quadrant of the intersection of Blake Road and Clinton Road (see Figure 1 for project location). According to the North Carolina Department of Environment and Natural Resource's Underground Storage Tank (NCDENR's UST) Section registry there are no known Facility IDs or Groundwater Incidents associated with this site. The facility UST information is summarized on Table 1 (NCDENR Table B-1). The UST owner and operator information is summarized on Table 2 (NCDENR Table B-2).

Acquisition of the right-of-way is necessary for NC 24 roadway construction (above referenced State Project R-2303A) and specifically at the above referenced parcel. A site investigation was conducted by CATLIN in late 2010 resulting in a Preliminary Site Assessment (PSA) Report dated January 7, 2011.

Underground storage tanks and contaminated soil in the proposed right-of-way and/or easement were identified at the site.

Five (5) probable USTs were identified by geophysical survey during the PSA investigation. According to the geophysical report, the probable UST Number 1 is about 1,000-gallon capacity, is approximately three (3) feet below land surface (BLS), and located south of the building near the southeast corner. Probable USTs Number 2 and Number 3 are about 4,000-gallon capacity, approximately three (3) feet BLS and located south of the probable UST Number 1. The probable UST Number 4 is about 150-gallon capacity, is approximately one (1) to two (2) feet BLS and located in front of (south of) the building near the western side. The probable UST Number 5 is about 550-gallon capacity, is approximately one (1) to two (2) feet BLS and located east of the probable UST Number 4 and west of the former dispenser island. The UST locations are illustrated on Figure 2. Apparent fill ports filled with concrete were also located in the probable UST Number 3 and probable UST Number 4 locations.

Twenty (20) borings were advanced for PSA soil sample collection and one sample was collected from each boring for total petroleum hydrocarbon (TPH) diesel and gasoline range organics (DRO and GRO) laboratory analysis. Borings were advanced near the suspected USTs and the former dispenser island. A groundwater sample was collected for laboratory analysis from one (1) of the boreholes.

Sixteen (16) of 20 soil samples revealed detectable TPH DRO concentrations. No TPH GRO concentrations were detected in the soil samples except in one (1) sample. Fourteen soil samples revealed TPH concentrations above the NCDENR Action Level of 10 mg/kg TPH DRO or TPH GRO. The groundwater sample revealed Naphthalene concentrations above the 2L GWQS.

According the NCDOT Request for Proposal (RFP) dated April 26, 2011, the scope of work at the site included excavating and properly disposing of soils necessary for removing the known UST system (including tank contents, associated piping and dispenser material). No over-excavation of petroleum impacted soils was requested.

C. CLOSURE PROCEDURES

1. PREPARATIONS

CATLIN was contracted by NCDOT to facilitate roadway construction by removing the UST system at the site (and in the right-of-way). CATLIN performed all field work in accordance with the site *Health and Safety Plan* (available for review at the CATLIN Wilmington Office).

A Notice of Intent (UST-3 form) was submitted to the NCDENR Fayetteville Regional Office on June 1, 2011 (see Appendix A). The

Cumberland County Emergency Services was notified and a permit was obtained through the Cumberland County Fire Marshal by EVO.

CATLIN and subcontractor EVO personnel mobilized to the site on June 7, 2011.

2. CLOSURE PROCEDURES

The site layout is illustrated on Figure 2. As indicated on Table 1, five (5) tanks and associated dispenser piping were located at the site.

Residual material was pumped from the lines and each UST by a vacuum truck. Each tank was then pressure washed with potable water and pumped dry again. Dry ice was placed in each tank to displace any potentially flammable vapors. EVO personnel measured the inside of the tank for acceptable oxygen and explosive vapor readings prior to removal. The Cumberland County Fire Marshal granted permission to remove the tanks.

Sufficient soils were removed from the tops and sides of the USTs allowing them to be lifted from the excavation. Fuel supply lines connected to the UST #2 and UST #3 tanks were also uncovered and removed.

The top of the tanks were approximately two (2) feet BLS. The tanks were constructed of steel. The tanks were previously numbered during the geophysical investigation as 1, 2, 3, 4, and 5 (see Table 1 and Figure 2). The fuel lines from the former dispenser island to UST #2 and UST #3 were constructed of steel. All piping was disconnected from the tanks and removed from the site.

The USTs #1, #2, and #3 were found in good condition with no through holes. The USTs #4 and #5 were found in poor condition with severe rusting and through holes.

Excavated soils were loaded directly into dump trucks for off-site disposal. Soils were only removed to facilitate UST system closure. A *Site Investigation Report for Permanent Closure or Change-in-Service of UST (UST-2)* form is included in Appendix B.

3. RESIDUAL MATERIAL AND DISPOSAL

The residual fuel in the fuel lines and tanks removed by the vacuum truck was properly disposed of at a permitted facility. According to the Certificates of Disposal in Appendix C, 6,425 gallons of product and water were disposed of. As indicated on the Tanks Disposal Certificate in Appendix C, the tanks were transported to Sandhill Recycling in Aberdeen, North Carolina for proper disposal and recycling.

4. SOIL EXCAVATION ACTIVITIES

The top of UST #1 was approximately three (3) feet BLS. The top of USTs #2 and #3 were approximately two (2) feet BLS. The USTs #4 and #5 were approximately 0.5 feet BLS. The bottoms of UST#1, #2, and #3 were approximately seven (7) feet BLS. The bottoms of USTs #4 and #5 were approximately six (6) feet and five (5) BLS, respectively. Groundwater was encountered at approximately seven (7) feet BLS in the UST #1, #2, and #3 excavations. The USTs #1, #2, and #3 along with the former dispenser island and lines were excavated in one general excavation located centrally and near the southeast corner of the property. The USTs #4 and #5 were removed from a separate excavation near the southwest corner of the property. The UST basin excavation limits are illustrated on Figure 2. Excavation activity photographs are provided in Appendix D.

Sandy/clayey soils were encountered surrounding the tanks. Soils from the UST excavation were transported off-site for proper disposal. Soils were only removed as necessary to facility UST system closure. Clean sands from an offsite borrow source were used to backfill the excavation.

D. SITE INVESTIGATION

1. FIELD-SCREENING

Soil screening with a photo-ionization detector was not conducted during this UST closure.

2. SOIL SAMPLING

UST closure soil samples were collected in accordance with NCDENR guidance documents. Due to water in the UST #1, #2, and #3 basin excavation, sidewall grab samples were collected from near the end of each tank and approximately every 10 feet along the sidewalls. Grab samples were taken from the excavation floor beneath USTs #4 and #5. Grab floor samples were also collected from beneath the former dispenser location and approximately every 10 feet beneath the removed lines. One composite sample was collected for waste characterization disposal requirements. Twenty soil samples were collected for UST closure. Samples were identified by UST number, north, south, east, west orientation, and depth [sample identification example = UST#1-N (6')]. Soil sample locations are illustrated on Figure 2. Sample material was obtained by the excavator bucket from the UST basin sidewalls and directly by hand from beneath the piping and former dispensers. Soil samples were packed into the appropriate laboratory provided glassware immediately following collection.

Periodic grab samples were also collected from the excavator bucket. The grab samples were combined and a composite waste disposal characterization sample (one) was submitted for laboratory analysis per waste disposal requirements.

Twenty-one soil samples were submitted to the laboratory for TPH GRO analysis per Environmental Protection Agency (EPA) Method 8015. Sample identifications, depths, and times are provided on the Chain-of-Custody in Appendix E.

3. GROUNDWATER SAMPLING

No groundwater samples were collected during this investigation.

4. QUALITY CONTROL MEASURES

Clean disposable nitrile gloves were used for each sampling event. Soil samples were collected by hand from undisturbed material obtained by the excavator bucket and packed directly into new laboratory provided glassware.

All samples were placed into appropriate sample jars with Teflon® lid liners, labeled with the site location, date, time, initials of person collecting sample, sample identification number, depth of sample, and tests required. Samples were then placed on ice in a cooler and maintained at approximately 4° Celsius during storage and transport to the laboratory. A temperature blank and trip blank were preserved in the cooler along with the site samples. A Chain-of-Custody form was maintained from the point of sampling until delivery to the laboratory.

No duplicate samples were submitted for laboratory analysis. According to the attached laboratory report (see Appendix E), the sample results are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards and analytical quality control data is available upon request.

5. BACKFILLING PROCEDURES

CATLIN received one soil sample of sandy backfill borrow material from an ES&J Enterprise borrow source in Autryville, North Carolina for Standard Proctor analysis in accordance with ASTM International (ASTM) D 698, "Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort [12,400 ft-lbf/ft³ (600kN-m/m³)]". In-place field density testing was performed in accordance with ASTM D 1556, "Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method". Following UST removal, the excavation floor at the

former UST #1, #2, #3, locations and at the former UST #4 and #5 locations was leveled and approximately one to two (1-2) feet of #57 stone was added to the bottom of the excavations. The #57 stone sub-base was compacted prior to receiving fill material obtained from ES&J. Following emplacement of the #57 stone, one (1) 12-inch lift was placed in the UST #1, #2, and #3 excavation on a Friday afternoon. The bottom of the UST#1, #2, and #3 excavation was at approximately five (5) feet BLS. After significant rain over the weekend, saturated soils were encountered in the bottom of the excavation the following Monday. Another foot of #57 stone was then placed in the UST #1, #3, and #3 excavation followed by one (1) foot lifts of sandy backfill material.

Once each lift was placed and compacted, sand-cone testing was performed at random locations across each individual lift for percent relative compaction. Two (2) compaction tests were conducted for each lift in the UST #1, #2, and #3 excavation area and one (1) compaction test was done per lift in the UST #4 and #5 excavation. Density testing was performed in accordance with the above mentioned requirements. A percent relative compaction value greater than or equal to 95 percent of the maximum dry density value was labeled "PASS" which indicated that another lift could be placed. A percent relative compaction value of less than 95 percent was labeled "FAIL" and required additional compaction and testing until a value of greater than or equal to 95 percent was achieved. In-place field densities per sand-cone testing results are provided on Table 3.

After backfilling and compacting the UST #1, #2, and #3 excavation area the soils were "pumping" at the surface and the area was not suitable for vehicular traffic. It was proposed and approved by NCDOT to remove the top two (2) feet of material and following emplacement of a geotextile fabric, backfill and compact two feet of ABC stone. The area was deemed suitable following these activities.

6. INVESTIGATION RESULTS

Photographs of UST removal and backfilling activities are provided in Appendix D. The waste disposal characterization soil sample (Disposal Comp) results and UST closure soil sample results are summarized on Table 4. The waste disposal characterization results indicated acceptable TPH concentrations for ES&J's permitted disposal facility. No detectable TPH GRO concentrations were revealed in any UST closure soil samples. The UST closure soil sample results indicated residual TPH DRO concentrations of 23.9 milligrams per kilogram (mg/kg) in the UST#3-E (5') sidewall sample. Residual TPH DRO concentrations were also revealed above the NCDENR Action Level of 10 mg/kg in the floor samples UST#4-N(6.5'), UST#4-S(6.5'), and UST#5-N(6'). No other TPH DRO concentrations were report above the NCDENR Action Level.

Summarized UST system closure results are illustrated on Figure 2.

The complete laboratory analytical report is provided in Appendix E. No groundwater samples were collected during this investigation. Photographs of the final site conditions are provided in Appendix D.

E. SOIL DISPOSAL

The excavated soils were transported to ES&J Enterprises, Inc. in Autryville, North Carolina for proper disposal. According to the documentation provided in Appendix E, 203.06 tons of soils were accepted for disposal/treatment at the facility.

F. SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

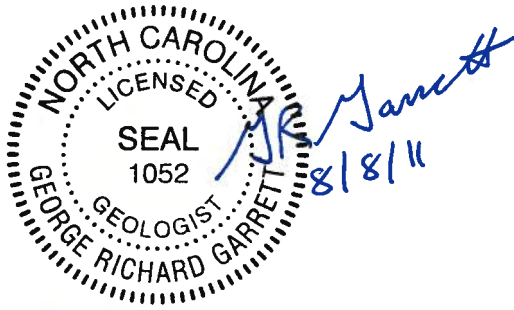
The UST closure was completed in general accordance with applicable State and Federal Guidelines to facilitate NCDOT related construction activities. Residual petroleum impacted soils remain east of former UST #3 and around the former UST #4 and #5 basin. The cause and source are unknown but clean soil samples were collected beneath the supply lines and former dispenser locations. Possible impacts to groundwater were not investigated during UST closure activities.

CATLIN recommends forwarding a copy of this report to the NCDENR Fayetteville Regional Office UST Section with a cover letter indicating the presence of TPH impacted soils above the NCDENR Action Level. Additionally, it is recommended that any utility or roadway construction contractor should be notified of these findings and be advised to be prepared to handle petroleum impacted soils near former USTs #4 and #5 and east of former UST #3 (as identified on Figure 2). In the event a cut is required for roadway construction or utility installation, any soil samples revealing detectable TPH concentrations will be considered petroleum impacted for handling and disposal purposes.

G. LIMITATIONS

This report is based on the agreed work scope and a review of available data from limited sampling. It is possible that this investigation may have failed to reveal the presence of contamination on the subject site where such contamination may exist. Although CATLIN has used accepted methods appropriate for UST closure and contaminated soil removal sampling, CATLIN cannot guarantee that additional soil and/or groundwater contamination does not exist.

H. SIGNATURES



G. Richard Garrett, P.G.
Senior Project Manager

Benjamin J. Ashba
Project Manager

TABLES

**TABLE 1
 SITE HISTORY – UST SYSTEM AND OTHER RELEASE INFORMATION**

Incident Number and Name: Pending – Robert Long Property 6871 Clinton Rd. Stedman, NC 28391 Facility ID: Unknown

UST ID Number	Current/ Last Contents	Previous Contents	Capacity (gallons)	Construction Details	Tank Dimensions	Description of Associated Piping and Pumps	Date Tank Installed	Status of UST	Was release associated with the UST System?
1	Fuel Oil	Fuel Oil	1,000	Steel	4.1' x 9.9'	Steel	Unknown	Removed June 2011	Unknown
2	Gasoline	Gasoline	4,000	Steel	5.35'x23.7'	Steel	Unknown	Removed June 2011	Unknown
3	Gasoline	Gasoline	4,000	Steel	5.35'x23.7'	Steel	Unknown	Removed June 2011	Unknown
4	Petroleum	Petroleum	1,000	Steel	5.35' x 6.1'	Steel	Unknown	Removed June 2011	Yes (assumed)
5	Petroleum	Petroleum	550	Steel	4' x 6.7'	Steel	Unknown	Removed June 2011	Yes (assumed)

**TABLE 2
 SITE HISTORY - UST OWNER AND OPERATOR INFORMATION**

Number and Name: Pending—Robert Long Prop. 6871 Clinton Rd. Stedman, NC 28391

UST ID Numbers	1, 2, 3, 4, and 5	Facility ID Number	Unknown
Name of Owner		Dates of Operation	
Orphan		Unknown	
Street Address			
City	State	Zip	Telephone Number
Name of Operator		Dates of Operation	
Unknown		Unknown	
Street Address (Site Address)			
6871 Clinton Road (NC 24)			
City	State	Zip	Telephone Number
Stedman	NC	28391	James Long:910-303-1411
Incident Number	Pending		
Name of Other Responsible Party		Dates of Release(s)	
None		Unknown	
Street Address			
City	State	Zip	Telephone Number

TABLE 3

SUMMARY OF SAND-CONE DENSITY FIELD LOGS

PARCEL 81B - ROBERT LONG PROPERTY
6871 CLINTON ROAD
STEDMAN, CUMBERLAND COUNTY, NORTH CAROLINA

Lift Number	Field Test Number	Date of Test	Standard Proctor (lbs./ft ³)	Optimum Moisture content (%)	Field Moisture content (%)	Dry Density (lbs./ft ³)	% Relative Compaction	Pass/Fail
1	UST 4&5 3'	6/9/2011	120.80	10.4	13.2	124.09	102.7	P
2	UST 4&5 2'	6/9/2011	120.80	10.4	14.2	119.70	99.1	P
3	UST 4&5 1'	6/9/2011	120.80	10.4	11.5	115.75	95.8	P
4	UST 4&5 0.5'	6/10/2011	120.80	10.4	11.4	123.02	101.8	P
5	UST 4&5 0'	6/10/2011	120.80	10.4	11.7	119.33	98.8	P
1	Lines 2'	6/13/2011	120.80	10.4	15.9	116.16	96.2	P
2	Lines 1'	6/13/2011	120.80	10.4	17.6	113.80	94.2	F
2 retest	Lines 1' retest	6/13/2011	120.80	10.4	14.8	115.18	95.3	P
3	Lines 0.5'	6/13/2011	120.80	10.4	14.9	118.80	98.3	P
1	UST 1 4'	6/13/2011	120.80	10.4	15.1	116.24	96.2	P
1	UST 3 4'	6/13/2011	120.80	10.4	14.7	115.50	95.6	P
2	UST 1N 3'	6/14/2011	120.80	10.4	15.4	120.01	99.3	P
2	UST 3W 3'	6/14/2011	120.80	10.4	14.5	118.23	97.9	P
3	UST 2E 2'	6/14/2011	120.80	10.4	14.5	118.50	98.1	P
3	UST 2W 2'	6/14/2011	120.80	10.4	14.9	119.00	98.5	P
4	UST 1mid 1'	6/14/2011	120.80	10.4	14.5	119.20	98.7	P
4	UST 2/3mid 1'	6/14/2011	120.80	10.4	15.5	117.97	97.7	P
5	UST 1S 0.5'	6/14/2011	120.80	10.4	14.3	115.93	96.0	P
6	UST 2/3 W 0'	6/14/2011	120.80	10.4	14.6	118.49	98.1	P

Pass/Fail is based on 95% compaction of standard proctor value.

**TABLE 4
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8015**

**PARCEL 81B - ROBERT LONG PROPERTY
6871 CLINTON ROAD
STEDMAN, CUMBERLAND COUNTY, NORTH CAROLINA**

Sample ID	Contaminant of Concern →	Diesel Range Organics	Gasoline Range Organics
	Date Collected		
UST#1-W (6ft)	6/8/2011	<6.78	<3.39
UST#1-E (6ft)	6/8/2011	<7.39	<3.43
UST#1-N (6ft)	6/8/2011	<6.55	<3.39
UST#4-N (6.5ft)	6/9/2011	37.3	<3.06
UST#4-S (6.5ft)	6/9/2011	337	4.54
UST#5-N (6ft)	6/9/2011	66.0	<3.65
UST#5-S (6ft)	6/9/2011	8.32	<3.64
UST#1-SE (5ft)	6/10/2011	<6.58	<3.71
UST#2-E (5ft)	6/10/2011	<6.71	<3.47
UST#3-E (5ft)	6/10/2011	23.9	<3.40
UST#3-SE (5ft)	6/10/2011	<6.69	<3.58
UST#3-S (5ft)	6/10/2011	<6.64	<3.52
UST#3-SW (5ft)	6/10/2011	<7.16	<3.59
UST#3-W and Line (4ft)	6/10/2011	<6.83	<3.79
UST#2-W and Line (4ft)	6/10/2011	<6.82	4.60
UST#2-NW (5ft)	6/10/2011	<6.94	<3.88
UST#1-SW (5ft)	6/10/2011	8.14	<3.62
LINE-N (3ft)	6/13/2011	<6.98	<3.23
LINE-S (3ft)	6/13/2011	<6.79	<3.37
DISPENSERS (3ft)	6/13/2011	<7.56	<3.70
Disposal Comp	6/9/2011	35.6	12.9
NCDENR ACTION LEVELS		10	10


All results in milligrams per kilogram (mg/kg).

Sample depth in feet provided in parenthesis () as part of the Sample ID.

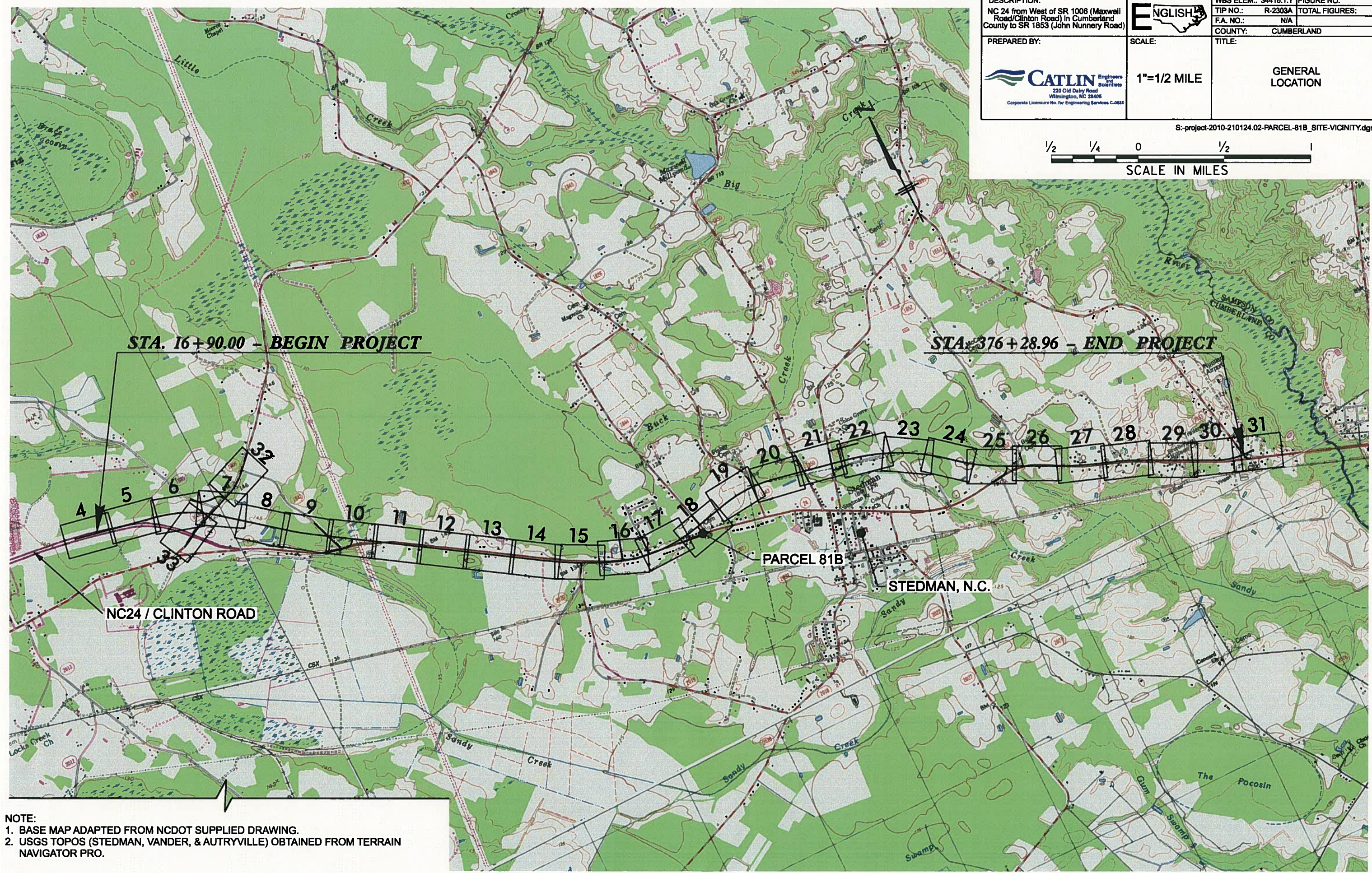
< = Less than reporting limit

Results in bold exceed the North Carolina Department of Environment and Natural Resources (NCDENR) Action Level.

FIGURES

DESCRIPTION: NC 24 from West of SR 1006 (Maxwell Road/Clinton Road) in Cumberland County to SR 1953 (John Nunberry Road)	ENGLISH	WBS ELEM.: 34416.1.1 TIP NO.: R-2303A F.A. NO.: N/A COUNTY: CUMBERLAND	FIGURE NO. 1 TOTAL FIGURES: 2
PREPARED BY:  CATLIN Engineers and Scientists 230 Old Dairy Road Wilmington, NC 28405 Corporate License No. for Engineering Services C-0685	SCALE: 1"=1/2 MILE	TITLE: GENERAL LOCATION	

S:\project-2010-210124.02-PARCEL-81B_SITE-VICINITY.dgn




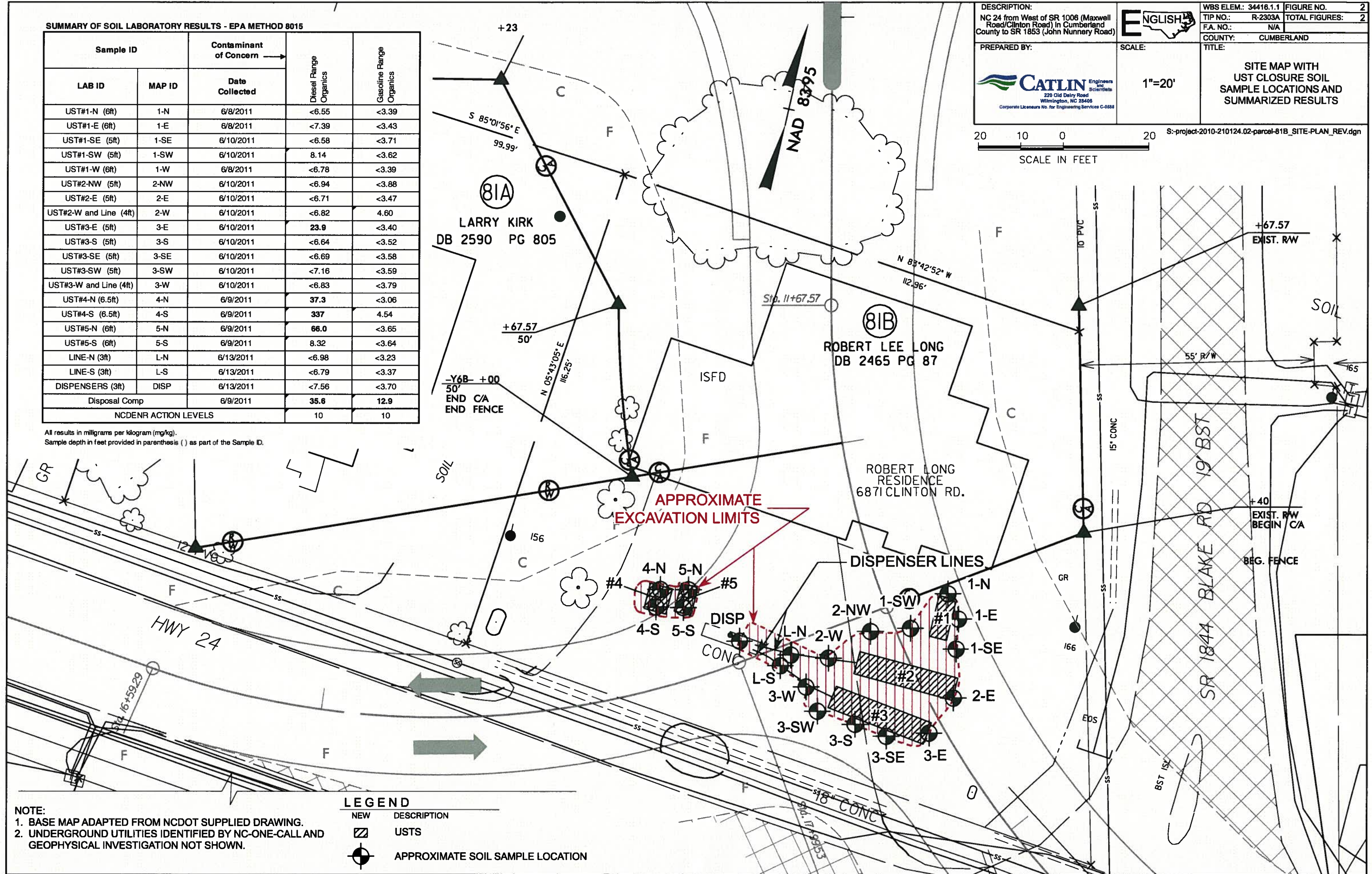
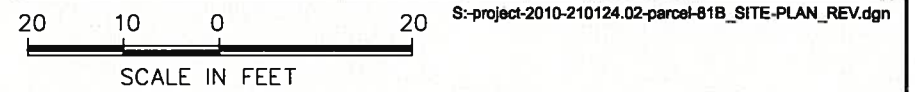
NOTE:
1. BASE MAP ADAPTED FROM NCDOT SUPPLIED DRAWING.
2. USGS TOPOS (STEDMAN, VANDER, & AUTRYVILLE) OBTAINED FROM TERRAIN NAVIGATOR PRO.

SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 8015

Sample ID		Contaminant of Concern	Diesel Range Organics	Gasoline Range Organics	
LAB ID	MAP ID				Date Collected
UST#1-N (6ft)	1-N	6/8/2011	<6.55	<3.39	
UST#1-E (6ft)	1-E	6/8/2011	<7.39	<3.43	
UST#1-SE (5ft)	1-SE	6/10/2011	<6.58	<3.71	
UST#1-SW (5ft)	1-SW	6/10/2011	8.14	<3.62	
UST#1-W (6ft)	1-W	6/8/2011	<6.78	<3.39	
UST#2-NW (5ft)	2-NW	6/10/2011	<6.94	<3.88	
UST#2-E (5ft)	2-E	6/10/2011	<6.71	<3.47	
UST#2-W and Line (4ft)	2-W	6/10/2011	<6.82	4.60	
UST#3-E (5ft)	3-E	6/10/2011	23.9	<3.40	
UST#3-S (5ft)	3-S	6/10/2011	<6.64	<3.52	
UST#3-SE (5ft)	3-SE	6/10/2011	<6.69	<3.58	
UST#3-SW (5ft)	3-SW	6/10/2011	<7.16	<3.59	
UST#3-W and Line (4ft)	3-W	6/10/2011	<6.83	<3.79	
UST#4-N (6.5ft)	4-N	6/9/2011	37.3	<3.06	
UST#4-S (6.5ft)	4-S	6/9/2011	337	4.54	
UST#5-N (6ft)	5-N	6/9/2011	66.0	<3.65	
UST#5-S (6ft)	5-S	6/9/2011	8.32	<3.64	
LINE-N (3ft)	L-N	6/13/2011	<6.98	<3.23	
LINE-S (3ft)	L-S	6/13/2011	<6.79	<3.37	
DISPENSERS (3ft)	DISP	6/13/2011	<7.56	<3.70	
Disposal Comp			6/9/2011	35.6	12.9
NCDENR ACTION LEVELS			10	10	

All results in milligrams per kilogram (mg/kg).
Sample depth in feet provided in parenthesis () as part of the Sample ID.



DESCRIPTION: NC 24 from West of SR 1006 (Maxwell Road/Clinton Road) in Cumberland County to SR 1853 (John Nunberry Road)	WBS ELEM.: 34416.1.1 TIP NO.: R-2303A F.A. NO.: N/A	FIGURE NO.: 2 TOTAL FIGURES: 2
PREPARED BY:  220 Old Dairy Road Wilmington, NC 28405 Corporate License No. for Engineering Services C-0888	SCALE: 1"=20'	TITLE: SITE MAP WITH UST CLOSURE SOIL SAMPLE LOCATIONS AND SUMMARIZED RESULTS



**APPROXIMATE
EXCAVATION LIMITS**

DISPENSER LINES

LEGEND

NEW	DESCRIPTION
	USTS
	APPROXIMATE SOIL SAMPLE LOCATION

NOTE:
1. BASE MAP ADAPTED FROM NCDOT SUPPLIED DRAWING.
2. UNDERGROUND UTILITIES IDENTIFIED BY NC-ONE-CALL AND GEOPHYSICAL INVESTIGATION NOT SHOWN.

APPENDIX A

UST-3 FORM

UST-3 Notice of Intent: UST Permanent Closure or Change-in-Service

Return completed form to:

The DWM Regional Office located in the area where the facility is located. Send a copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED" and your tank fee account can be closed out. SEE MAP ON THE BACK OF THIS FORM FOR THE CENTRAL AND REGIONAL OFFICE ADDRESSES.

STATE USE ONLY

I.D. # _____

Date Received _____

INSTRUCTIONS (READ THIS FIRST)

Complete and return at least **thirty (30) days** prior to closure or change-in-service activities. If a Professional Engineer (P.E.) or a Licensed Geologist (L.G.) provides supervision for closure or change-in-service site assessment activities and signs and seals all closure reports then at least a **five (5) working days** notice is acceptable.

Completed UST closure or change-in-service site assessment reports, along with a copy of the UST-2 form, should be submitted to the appropriate Division of Waste Management (DWM) Regional Office within thirty (30) days following closure activities. The UST-2 form should also be submitted to the Central Office in Raleigh so that the status of the tanks may be changed to permanently closed and your tank fee account can be closed out.

UST closure and change-in-service site assessments must be completed in accordance with the latest version of the *Guidelines for Tank Closure*. The *Guidelines for Tank Closure* can be obtained at www.wastenotnc.org.

You must make sure that USTs removed from your property are disposed of properly. When choosing a closure contractor, ask where the tank(s) will be taken for disposal. Usually, USTs are cleaned and cut up for scrap metal. This is dangerous work and must be performed by a qualified company. Tanks disposed of illegally in fields or other dumpsites can leak petroleum products and sludge into the environment. If your tanks are disposed of improperly, you could be held responsible for the cleanup of any environmental damage that occurs.

I. OWNERSHIP OF TANKS

II. LOCATION

Owner Name (Corporation, Individual, Public Agency, or Other Entity) Orphan		Facility Name or Company Robert L. Long Residence	
Street Address		Facility ID # (if known) Unknown	
City	County	Street Address 6871 Clinton Road	
State	Zip Code	City Stedman	County Cumberland
Phone Number		Zip Code 28391	
		Phone Number 910-485-2625	

III. CONTACT PERSONNEL

Name: Rick Garrett	Company Name: CATLIN agent for NCDOT	Job Title: Vice President	Phone Number: 910-452-5861
-----------------------	---	------------------------------	-------------------------------

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN SERVICE

- | | | |
|--|--|---|
| <ol style="list-style-type: none"> Contact local fire marshal. Plan entire closure event. Conduct Site Soil Assessment. If removing tanks or closing in place, refer to API Publication 2015 <i>Cleaning Petroleum Storage Tanks</i> and 1604 <i>Removal and Disposal of Used Underground Petroleum Storage Tanks</i>. | <ol style="list-style-type: none"> Provide a sketch locating piping, tanks and soil sampling locations. Submit a closure report in the format of UST-12 (including the form UST-2) within thirty (30) days following the site investigation. If a release from the tanks has occurred, the site assessment portion of the tank closure must be conducted under the supervision of | <p>a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G. If a release has not occurred, the supervision, signature or seal of a P.E. or L.G. is not required.</p> <ol style="list-style-type: none"> Keep closure records for three (3) years. |
|--|--|---|

V. WORK TO BE PERFORMED BY:

Contractor Name: Tony Disher		Contractor Company Name: EVO Corporation	
Address: 1703 Vargrave St. Winston-Salem		State: NC	Zip Code: 27107
Phone No: 336-725-5844			
Primary Consultant Name: Rick Garrett, PG		Primary Consultant Company Name: CATLIN agent for NCDOT	
		Consultant Phone No: 910-452-5861	

VI. TANKS SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE


Tank ID No.	Size in Gallons	Last Contents	Proposed Activity		
			Removal	Closure Abandonment in Place *	Change-in-Service New Contents Stored
1	1000	Unknown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	4000	Unknown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	4000	Unknown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	150	Unknown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5	550	Unknown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

* Prior written approval to abandon a tank in place must be received from a DWM Regional Office.

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

I understand that I can be held responsible for environmental damage resulting from the improper disposal of my USTs.

Print name and official title: Rick Garrett, PG CATLIN agent for NCDOT

Signature 	Date Signed 6/1/11	SCHEDULED REMOVAL DATE 6/8/2011	Notify your DWM Regional Office 48 hours before this date if scheduled removal date changes
---	-----------------------	------------------------------------	---

APPENDIX B

UST-2 FORM

UST-2 Site Investigation Report for Permanent Closure or Change-in-Service of UST

Return completed form to:

The DWM Regional Office located in the area where the facility is located. Send a copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED" and your tank fee account can be closed out. SEE MAP ON THE BACK OF THIS FORM FOR THE CENTRAL AND REGIONAL OFFICE ADDRESSES.

STATE USE ONLY:

I.D. # _____

Date Received _____

INSTRUCTIONS (READ THIS FIRST)

For more than five UST systems you may attach additional forms as needed.

Permanent closure – For permanent closure, complete all sections of this form.

Change-in-service – For change-in-service where UST systems will be converted from containing a regulated substance to storing a non-regulated substance, complete sections I, II, III, IV, and VIII

Effective February 1, 1995, all UST closure/change-in-service reports must be submitted in the format provided in the UST-12 form. UST closure and change-in-services must be completed in accordance with the latest version of the *Guidelines for Tank Closure*. A copy of the UST-12 form and the *Guidelines for Tank Closure* can be obtained at www.wastenotnc.org.

You must make sure that USTs removed from your property are disposed of properly. When choosing a closure contractor, ask where the tank(s) will be taken for disposal. Usually, USTs are cleaned and cut up for scrap metal. This is dangerous work and must be performed by a qualified company. Tanks disposed of illegally in fields or other dumpsites can leak petroleum products and sludge into the environment. If your tanks are disposed of improperly, you could be held responsible for the cleanup of any environmental damage that occurs.

NOTE: If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G.

I. OWNERSHIP OF TANKS

II. LOCATION OF TANKS

Owner Name (Corporation, Individual, Public Agency, or Other Entity) Orphan		Facility Name or Company Robert L. Long Residence - Proposed NCDOT Right of Way			
Street Address		Facility ID # (if known) Unknown			
City	County	Street Address 6871 Clinton Road		City	County
State	Zip Code	City Stedman		County Cumberland	Zip Code 28391
Phone Number		Phone Number 910-303-1411			

III. CONTACT PERSONNEL

Contact for Facility: Ethan Caldwell, LG, PE		Job Title: NCDOT GeoEnvironmental Proj. Mgr.	Phone No: 919-707-6869
Closure Contractor Name: Tony Disher	Closure Contractor Company: EVO	Address: 1703 Vargrave St. Winston-Salem, NC	Phone No: 336-725-5844
Primary Consultant Name: Rick Garrett, P.G.	Primary Consultant Company: CATLIN Engineers & Scientists	Address: 220 Old Dairy Rd. Wilmington, NC	Phone No: 910-452-5861

IV. UST INFORMATION FOR REGISTERED UST SYSTEMS

V. EXCAVATION CONDITION

Tank ID No.	Size in Gallons	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Change-in-Service Date	Water in excavation		Free product		Notable odor or visible soil contamination	
							Yes	No	Yes	No	Yes	No
1	1000	4.1' x 9.9'	Fuel Oil	Unknown	6/8/11		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	4000	5.35'x23.7'	Gasoline, Ga	Unknown	6/10/11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	4000	5.35'x23.7'	Gasoline, Ga	Unknown	6/10/11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	1000	5.35'x6.1'	Petroleum	Unknown	6/9/11	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	550	4' x 6.7'	Petroleum	Unknown	6/9/11	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

VI. UST INFORMATION FOR UNREGISTERED UST SYSTEMS


VII. EXCAVATION CONDITION

Tank ID No.	Size in Gallons	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Tank Owner Name *	Water in excavation		Free product		Notable odor or visible soil contamination	
							Yes	No	Yes	No	Yes	No
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* If the tank owner address is different from the one listed in Section I., then enter the street address, city, state, zip code and telephone no. below:

VIII. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true accurate and complete.

Print name and official title of owner or owner's authorized representative G. Richard Garrett, P.G.: CATLIN agent for NCDOT	Signature 	Date Signed 7/28/11
---	---	------------------------

APPENDIX C

**CERTIFICATES OF DISPOSAL AND
WASTE MATERIAL MANIFESTS**

CERTIFICATE OF DISPOSAL

Evo Corporation does hereby certify that 6,425 gallons of non-hazardous contaminated water received on 06/07/2011, 06/08/2011 and 06/09/2011 from:

Generator: Parcel 81B - Robert Lee Long Property

Originating at: 6871 Clinton Rd.
Stedman, NC

EC Waste ID #: 061113

has been disposed of by Evo Corporation in a manner approved by the North Carolina Department of Environment and Natural Resources.



Signature

Thomas W. Hammett
CEO
Evo Corporation

CERTIFICATE OF DISPOSAL

Evo Corporation does hereby certify that 203.06 tons of non-hazardous contaminated material received on 06/08/2011, 06/09/2011 and 06/13/2011 from:

Generator: Parcel 81B - Robert Lee Long Property

Originating at: 6871 Clinton Rd.
Stedman, NC

EC Waste ID #: 061113

has been disposed of by Evo Corporation in a manner approved by the North Carolina Department of Environment and Natural Resources.



Signature

Thomas W. Hammett
CEO
Evo Corporation

TANKS DISPOSAL CERTIFICATE

Tank Owner: Parcel 81B – Robert Lee Long Property

Site Address: 7871 Clinton Rd.
Stedman, NC

Description of Tanks:

<u>Tank Number</u>	<u>Size of Tank</u>	<u>Contents</u>
1	1,000 Gallons	#2 Fuel Oil
2	4,000 Gallons	Gasoline
3	4,000 Gallons	Gasoline
4	1,000 Gallons	Petroleum
5	550 Gallons	Petroleum

Transporter: EVO Corporation

EC Project #: 061113

Disposal Certification:

Evo Corporation does hereby certify that the above named storage tanks were transported to Sandhill Recycling in Aberdeen, NC for proper disposal and recycling.



Signature

Thomas W. Hammett
CEO
Evo Corporation

EVO CORPORATION

1703 Vargrave Street, Winston-Salem, NC 27107

www.evocorp.net

NON-HAZARDOUS MATERIALS MANIFEST

Load #

Manifest No. **71567**

GENERATOR INFORMATION

Generator: Parcel 81B - Robert Lee Long Property Phone: 910-471-3456
Site Address: 6871 Clinton Road
City/State: Stedman, NC 28391 Contact: Ben Ashba

MATERIAL DESCRIPTION / QUANTITY / WEIGHT

Gross Weight (lbs): _____ Material: Water
Empty Weight (lbs): _____ Contaminant: Petroleum
Net Weight (lbs): _____

Quantity

3000

Tons _____ Drums _____ Pails _____ Sacs _____ Yards _____ Other: See

TRANSPORTER INFORMATION

Transporter: Evo Corporation Phone: 336-725-5844
Truck #: 402 Contact: Tony Disher

As the transporter, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Driver Signature: 

Date: 6/7/11

FACILITY INFORMATION

EVO CORPORATION
1703 Vargrave Street
Winston-Salem, NC 27107

Evo Project #: 06111X3
Phone: (336) 725-5844
Contact: Tony Disher

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: 

Date: 06-07-2011

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

EVO CORPORATION

1703 Vargrave Street, Winston-Salem, NC 27107

www.evocorp.net

NON-HAZARDOUS MATERIALS MANIFEST

Load #

Manifest No. **71565**

GENERATOR INFORMATION

Generator: ~~Parcel 007 Sylvia Gay Matthews Property~~

Phone: **910-471-3456**

Site Address: **6449 Clinton Road**

City/State: **Stedman, NC 28391**

Contact: **Ben Ashba**

MATERIAL DESCRIPTION / QUANTITY / WEIGHT

Gross Weight (lbs): _____

Material: **Water**

Empty Weight (lbs): _____

Contaminant: **Petroleum**

Net Weight (lbs): _____

Quantity

825

Tons Drums Pails Sacs Yards Other: Gal

TRANSPORTER INFORMATION

Transporter: **Evo Corporation**

Phone: **336-725-5844**

Truck #: **402**

Contact: **Tony Disher**

As the transporter, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Driver Signature: 

Date: **8/9/11**

FACILITY INFORMATION

EVO CORPORATION
1703 Vargrave Street
Winston-Salem, NC 27107

Evo Project #: **0611113**

Phone: **(336) 725-5844**

Contact: **Tony Disher**

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: 

Date: **06-09-2011**

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

EVO CORPORATION

1703 Vargrave Street, Winston-Salem, NC 27107

www.evocorp.net

NON-HAZARDOUS MATERIALS MANIFEST

Load #

Manifest No. **71566**

GENERATOR INFORMATION

Generator: ~~Parcel 168 - Jerry Taylor Property~~

Phone: ~~910 471 3456~~

Site Address: 8947 Clinton Road

City/State: Stedman, NC 28391

Contact: Ben Ashba

MATERIAL DESCRIPTION / QUANTITY / WEIGHT

Gross Weight (lbs): _____

Material: Water

Empty Weight (lbs): _____

Contaminant: Petroleum

Net Weight (lbs): _____

Quantity

2600
3000

Tons Drums Pails Sacs Yards Other: CS

TRANSPORTER INFORMATION

Transporter: Evo Corporation

Phone: 336-725-5844

Truck #: 402

Contact: Tony Disher

As the transporter, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Driver Signature: 

Date: 6/8/11

FACILITY INFORMATION

EVO CORPORATION
1703 Vargrave Street
Winston-Salem, NC 27107

Evo Project #: 061111³

Phone: (336) 725-5844

Contact: Tony Disher

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: 

Date: 06-08-2011

White/Facility

Canary/Invoice

Goldenrod/Generator

Pink/Carrier

#06411

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address

Robert L Long Parcel 1 B
6871 Clinton Rd.
Clinton NC

4. Generator's Phone (910) 303-1411

6871 Clinton Rd

Stedman N.C. 28391

5. Transporter 1 Company Name

EVO Corp

6. US EPA ID Number

A. Transporter's Phone

336-725-5844

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

301 Environmental Cleanup Inc.
4800 Front St.
Stedman, N.C. 28391

10. US EPA ID Number

IN.C.R.0001.4.9302

C. Facility's Phone

910-483-8873

11. Waste Shipping Name and Description

a. Petroleum Product & water

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

1 TT 752 gals

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

#06413

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name
Ben Ashby: CATLIN agent for NCDOT

Signature
Ben Ashby

Month Day Year
06 09 11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Barley Addeux

Signature
Barley Addeux

Month Day Year
06 08 11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Clayton B. McDonald

Signature
Clayton B. McDonald

Month Day Year
1 06 11

GENERATOR

TRANSPORTER

FACILITY

TRANSPORTER #1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Robert L. Long Prop - Parcel 81B
6071 Clinton Rd
Clinton, NC
Generator's Phone: 910-303-1411

Generator's Site Address (if different than mailing address)

Same

6. Transporter 1 Company Name

EVO Corp

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

E S & J ENTERPRISES, INC.
1555 HOLLAND RD. - AUTRYVILLE, NC 28318

U.S. EPA ID Number

SR0600035

Facility's Phone: (910) 567-6138

9. Waste Shipping Name and Description

1. PETROLEUM CONTAMINATED SOIL

10. Containers

No. Type

11. Total Quantity

12. Unit WL/Vol.

18.61 TONS

LBS.

37,220

13. Special Handling Instructions and Additional Information

70,960
33,740

37,220

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Ben Ashby: CAPUL agent for NCDOT

Signature

Ben Ashby

Month Day Year

6 8 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Mich Queen

Signature

Mich Queen 202

Month Day Year

6 8 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Trick Wms.

Signature

Trick Wms.

Month Day Year

6 8 11

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

*Robert L. Long Parcel 81B
6871 Clinton, RD.
Sedmon, NC 910-363-1411*

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

**E S & J ENTERPRISES, INC.
1555 HOLLAND RD. - AUTRYVILLE, NC 28318**

U.S. EPA ID Number

SR0600035

Facility's Phone: **(910) 567-6138**

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1.	PETROLEUM CONTAMINATED SOIL				
			<i>15.81 TONS</i>		LBS.
2.					
3.					
4.					

31,620

13. Special Handling Instructions and Additional Information

*65360
33,740

31,620*

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offero's Printed/Typed Name

Signature

Month Day Year

Ben Ashba - CATLIN agent for NCEOT Ben Ash

6 | 10 | 11

15. International Shipments Import to U.S. Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Mitch Queen

Mitch Queen

06 | 9 | 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Rick Wms.

Rick Wms.

16 | 8 | 10

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address *Robert L. Long Prop-Parcels* Generator's Site Address (if different than mailing address)

*6871 Clinton Rd.
Stedman, NC* *SAME*

Generator's Phone: *910-303-1411*

6. Transporter 1 Company Name U.S. EPA ID Number

EVO

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address U.S. EPA ID Number

*E S & J ENTERPRISES, INC.
1555 HOLLAND RD. - AUTRYVILLE, NC 28318* *SR0600035*

Facility's Phone: *(910) 587-6138*

9. Waste Shipping Name and Description

10. Containers 11. Total Quantity 12. Unit Wt./Vol.

No. Type

1.	2.	3.	4.	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
				No.	Type		
<i>PETROLEUM CONTAMINATED SOIL</i>				<i>21</i>	<i>65 TONS.</i>		<i>LBS. 43,300</i>

13. Special Handling Instructions and Additional Information
*77040
33740
43,300*

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name Signature Month Day Year
Ben Ashka: CATIN agent for NCPA *Ben Ashka* *6* *13* *11*

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name Signature Month Day Year
MAch Queen *MAch Queen* *6* *13* *11*

Transporter 2 Printed/Typed Name Signature Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name Signature Month Day Year
Mick Wms *Mick Wms* *6* *13* *11*

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: _____ 2. Page 1 of _____ 3. Emergency Response Phone: _____ 4. Waste Tracking Number: _____

5. Generator's Name and Mailing Address: **Robert L. Long Parcel 21B**
6871 Clinton, RD
Clinton, NC
 Generator's Site Address (if different than mailing address): _____
 Generator's Phone: **910-303-1411**

6. Transporter 1 Company Name: **ES & J** U.S. EPA ID Number: _____

7. Transporter 2 Company Name: _____ U.S. EPA ID Number: _____

8. Designated Facility Name and Site Address: **E S & J ENTERPRISES, INC.**
1555 HOLLAND RD. - AUTRYVILLE, NC 28318
 U.S. EPA ID Number: **SR0600035**
 Facility's Phone: **(910) 567-6138**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. PETROLEUM CONTAMINATED SOIL				

13.12 TONS **LBS. 26,240**

13. Special Handling Instructions and Additional Information:

$$\begin{array}{r} 51,500 \\ 25,260 \\ \hline 26,240 \end{array}$$

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Officer's Printed/Typed Name: **Ben Ashba - CATUN agent for NCDOT** Signature: **Ben Ashba** Month: **6** Day: **8** Year: **11**

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____

16. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: **Mark Culbreth** Signature: **Mark Culbreth** Month: **6** Day: **8** Year: **11**
 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

17. Discrepancy
 17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection
 Manifest Reference Number: _____

17b. Alternate Facility (or Generator) U.S. EPA ID Number: _____
 Facility's Phone: _____
 17c. Signature of Alternate Facility (or Generator) Month: _____ Day: _____ Year: _____

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a
 Printed/Typed Name: **Dick Wms.** Signature: **Dick Wms.** Month: **6** Day: **8** Year: **11**

GENERATOR
TRANSPORTER INT'L
DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address: **Robert L Long Prop - Parcel 81B**
6871 Clinton Rd.
Clinton, NC
 Generator's Phone: **910-303-1411**
 Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: **ESE** U.S. EPA ID Number

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address: **E S & J ENTERPRISES, INC.**
1555 HOLLAND RD. - AUTRYVILLE, NC 28318
 Facility's Phone: **(910) 567-6138**
 U.S. EPA ID Number: **SR0600035**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. PETROLEUM CONTAMINATED SOIL	18.63	TONS	LBS.	37,260	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information:

$$\begin{array}{r} 63100 \\ 25,840 \\ \hline 37,260 \end{array}$$

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offero's Printed/Typed Name: **Ben Ashka - CATUN agent for NCOA** Signature: **Ben Ashka** Month: **6** Day: **8** Year: **11**

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
 Transporter Signature (for exports only):
 Transporter 1 Printed/Typed Name: **DAVE AUTRY** Signature: **Dave Autry** Month: **6** Day: **8** Year: **11**
 Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

17. Discrepancy
 17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection
 Manifest Reference Number: U.S. EPA ID Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
 Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
 Printed/Typed Name: **Rick Wms.** Signature: **Rick Wms.** Month: **6** Day: **8** Year: **11**

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address: **Robert L. Long Prop - Parcel 81B**
6871 Clinton Rd.
Clinton, NC
 Generator's Phone: **910-303-1411**
 Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: **ES & J** U.S. EPA ID Number

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address: **E S & J ENTERPRISES, INC.**
1555 HOLLAND RD. - AUTRYVILLE, NC 28318
 Facility's Phone: **(910) 567-6138**
 U.S. EPA ID Number: **SR0600035**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. PETROLEUM CONTAMINATED SOIL	17	35 TONS		LBS.	34,700
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
59,960
25,260

34,700

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations.

Generator's/Offereor's Printed/Typed Name: **Ben Ashba: CATIN agent for NCOOT** Signature: **[Signature]** Month: **6** Day: **8** Year: **11**

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: **Mack Culbreth** Signature: **[Signature]** Month: **6** Day: **8** Year: **11**
 Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

17. Discrepancy
 17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: **Rick Wms.** Signature: **[Signature]** Month: **6** Day: **8** Year: **11**

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Robert L. Long - Parcel 81B
6871 Clinton Rd.
Clinton, NC
Generator's Phone: 910-303-1411

Generator's Site Address (if different than mailing address)

SAME

6. Transporter 1 Company Name

ES&J

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

E S & J ENTERPRISES, INC.
1555 HOLLAND RD. - AUTRYVILLE, NC 28318

U.S. EPA ID Number

SR0600035

Facility's Phone: (910) 567-6138

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1. PETROLEUM CONTAMINATED SOIL

17.49 TONS

LBS.

34,980

2.

3.

4.

13. Special Handling Instructions and Additional Information

60,820
25,840

34,980

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Ben Azhar: (ATUN) agent for NCDOT

Signature

[Signature]

Month Day Year

6 8 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

DOCK AUTRY

Signature

[Signature]

Month Day Year

6 8 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Dick Wms.

Signature

[Signature]

Month Day Year

6 8 11

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

*Robert F. L. Long
6811 Clinton Rd.
Clinton, NC
Generator's Phone: 910-303-1411*

Generator's Site Address (if different than mailing address)

SAME

6. Transporter 1 Company Name

ES & J

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

*E S & J ENTERPRISES, INC.
1555 HOLLAND RD. - AUTRYVILLE, NC 28318*

U.S. EPA ID Number

SR0600035

Facility's Phone: *(910) 567-6138*

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1. *PETROLEUM CONTAMINATED SOIL*

15.90 TONS

LBS.

31,800

2.

3.

4.

13. Special Handling Instructions and Additional Information

*57,060
25,260

31,800*

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Ben Ashba: CATLIN agent for NCCOST

Signature

Ben Ashba

Month Day Year

6 | 8 | 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Mack Culbreth

Signature

Mack Culbreth

Month Day Year

6 | 8 | 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Dick Wms.

Signature

Dick Wms.

Month Day Year

6 | 8 | 11

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address

*Robert L. Long
6871 Clinton Rd.
Clinton, NC
Generator's Phone: 910-303-1411*

Generator's Site Address (if different than mailing address)

SAME

6. Transporter 1 Company Name

ES & J

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

**E S & J ENTERPRISES, INC.
1555 HOLLAND RD. - AUTRYVILLE, NC 28318**

U.S. EPA ID Number

SR0600035

Facility's Phone: **(910) 567-6138**

9. Waste Shipping Name and Description

10. Containers

No. Type

11. Total Quantity

12. Unit Wt./Vol.

1. **PETROLEUM CONTAMINATED SOIL**

15.90 Tons

LBS.

31,800

2.

3.

4.

13. Special Handling Instructions and Additional Information

*57,060
26,260

31,800*

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Ben Ashba: CAPM agent for NCDOT

Signature

Ben Ashba

Month Day Year

6 | 8 | 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Mark Culbreth

Signature

Mark Culbreth

Month Day Year

6 | 8 | 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Rick Wms.

Signature

Rick Wms.

Month Day Year

6 | 8 | 11

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address Generator's Site Address (if different than mailing address)

*Robert Lee Long, Prop Parcel 81B
6871 Clinton Rd
Clinton, NC
910-303-1411*

6. Transporter 1 Company Name U.S. EPA ID Number

ES & J

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address U.S. EPA ID Number

**E S & J ENTERPRISES, INC.
1555 HOLLAND RD. - AUTRYVILLE, NC 28318**

Facility's Phone: **(910) 567-6138** U.S. EPA ID Number **SR0600035**

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. PETROLEUM CONTAMINATED SOIL	<i>15.87</i>	<i>Tons</i>		LBS. <i>31,740</i>
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
*57,580
25,840
31,740*

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name Signature Month Day Year
Ben Ashby: CATY N agent for NCDOT *Ben Ashby* *6* *8* *11*

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name Signature Month Day Year
DOCK AUTRY *Dock Autry* *6* *8* *11*
Transporter 2 Printed/Typed Name Signature Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name Signature Month Day Year
Rick Wms. *Rick Wms.* *6* *8* *11*

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Robert Lee Long Prop - Parcel 81B
6871 Clinton Rd.
Clinton, NC 910-303-1411

Generator's Site Address (if different than mailing address)

SAME

6. Transporter 1 Company Name

ES&J

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

E S & J ENTERPRISES, INC.
1555 HOLLAND RD. - AUTRYVILLE, NC 28318

U.S. EPA ID Number

SR0600035

Facility's Phone: (910) 567-6138

9. Waste Shipping Name and Description

1. PETROLEUM CONTAMINATED SOIL

10. Containers

No.

Type

11. Total Quantity

12. Unit WL/Vol.

18. 48 Tanks.

LBS.

36,960

13. Special Handling Instructions and Additional Information

62,220
25,260

36,960

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offendor's Printed/Typed Name

Ben Ashba: CATUN agent for NCDOT

Signature

Ben Ashba

Month Day Year

6 8 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Mark Culbreth

Signature

Mark Culbreth

Month Day Year

6 8 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Dick Wms.

Signature

Dick Wms.

Month Day Year

6 8 11

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Robert L. Long - Parcel 81B
6871 Clinton Rd.
Clinton NC

Generator's Site Address (if different than mailing address)

SAME

Generator's Phone: 910-303-1411

6. Transporter 1 Company Name

U.S. EPA ID Number

ES & J

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

E S & J ENTERPRISES, INC.
1555 HOLLAND RD. - AUTRYVILLE, NC 28318

U.S. EPA ID Number

SR0600035

Facility's Phone: (910) 567-6138

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No. Type

1. PETROLEUM CONTAMINATED SOIL

14.25 TONS

LBS.

28,500

13. Special Handling Instructions and Additional Information

53760
25,260

28,500

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Ben Ashka CATUN agent for NCDOT

Signature

Ben Ashka

Month Day Year

6 | 8 | 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Mark Culbreth

Signature

Mark Culbreth

Month Day Year

6 | 8 | 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Rick Wms

Signature

Rick Wms

Month Day Year

6 | 8 | 11

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

Q

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

RL Long Property
6871 Clinton Rd.
Stedman, NC
Generator's Phone: 910-303-1411

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

E S & J ENTERPRISES, INC.
1555 HOLLAND RD. - AUTRYVILLE, NC 28318

SR0600035

Facility's Phone: (910) 567-6138

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1. ~~HAZARDOUS WASTE~~ Backfill

18.53 Tons.

LBS.

37060

13. Special Handling Instructions and Additional Information

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offorer's Printed/Typed Name

Signature

Month Day Year

Ben Ashba CAP Agent for NCDOT

Ben Ashba

6 17 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

W. C. Odum

W. C. Odum

6 17 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name

Signature

Month Day Year

Rick Wms

Rick Wms

6 17 11

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

2

NON-HAZARDOUS WASTE MANIFEST 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number

5. Generator's Name and Mailing Address: ILL Long Property, 6871 Clinton Rd., Stedman, NC. Generator's Site Address (if different than mailing address): SAME. Generator's Phone: 910-303-1411

6. Transporter 1 Company Name U.S. EPA ID Number

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address: E S & J ENTERPRISES, INC., 1555 HOLLAND RD. - AUTRYVILLE, NC 28318. U.S. EPA ID Number: SR0600035. Facility's Phone: (910) 567-6138

Table with 4 columns: 9. Waste Shipping Name and Description, 10. Containers (No., Type), 11. Total Quantity, 12. Unit Wt./Vol. Row 1: RETROLEUM CONTAMINATED SOIL Backfill, 16.18 TONS, LBS., 3360.

13. Special Handling Instructions and Additional Information

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Officer's Printed/Typed Name: Ben Ashba: CATLIN agent for NCDOT. Signature: Ben Ashba. Month: 6, Day: 16, Year: 11

15. International Shipments: Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials. Transporter Signature (for exports only):

Transporter 1 Printed/Typed Name: Mack Culbreth. Signature: Mack Culbreth. Month: 6, Day: 16, Year: 11. Transporter 2 Printed/Typed Name: Signature:

17. Discrepancy. 17a. Discrepancy Indication Space: Quantity, Type, Residue, Partial Rejection, Full Rejection. Manifest Reference Number: U.S. EPA ID Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number. Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in Form 17a.

Printed/Typed Name: Rick Wms. Signature: Rick Wms. Month: 6, Day: 16, Year: 11

Generator, Transporter, Designated Facility

4

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

22 Long Prop Rd.
6071 Clinton
Stedman, NC
Generator's Phone: 910-303-1411

SAME

6. Transporter 1 Company Name

U.S. EPA ID Number

ES & J

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

ES & J ENTERPRISES, INC.
1555 HOLLAND RD. - AUTRYVILLE, NC 28318

SR0600035

Facility's Phone: (910) 567-6138

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

1. ~~XXXXXXXXXXXXXXXXXXXX~~ SOIL Backfill

18.63 Tons

LBS.

36,720

2.

3.

4.

13. Special Handling Instructions and Additional Information

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year
6 16 11

Ben Ashby: CATUN agent for NC Dept Ben Ashby

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year
6 16 11

W. C. Adams

W. C. Adams

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Rick Wms.

Rick Wms

6 16 11

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2011
RICKY L. WILLIAMS 27363
INVALID UNLESS SIGNED

11:41:04 06-08-11
Tare# 1
Gross 59960 lb
Tare 25260 lb KP
Net 34700 lb

17.35 Tons

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2011
RICKY L. WILLIAMS 27363
INVALID UNLESS SIGNED

13:35:25 06-08-11
Tare# 1
Gross 51500 lb
Tare 25260 lb KP
Net 26240 lb

13.17 Tons



P.O. Box 21225 - 2820 High Point Road - Greensboro, NC 27420-1225
Ph: (336) 292-0511 • Fax: (336) 294-9664

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2011
RICKY L. WILLIAMS 27363
INVALID UNLESS SIGNED

10:56:12 06-08-11
Tare# 2
Gross 60820 lb
Tare 25840 lb KP
Net 34980 lb

17.49 Tons

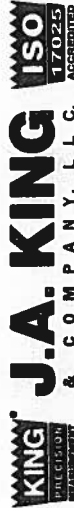
NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2011
RICKY L. WILLIAMS 27363
INVALID UNLESS SIGNED

12:00:38 06-08-11
Tare# 2
Gross 63100 lb
Tare 25840 lb KP
Net 37260 lb

18.63 Tons



P.O. Box 21225 - 2820 High Point Road - Greensboro, NC 27420-1225
Ph: (336) 292-0511 • Fax: (336) 294-9664



P.O. Box 21225 - 2820 High Point Road - Greensboro, NC 27420-1225
Ph: (336) 292-0511 • Fax: (336) 294-9664

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2011
RICKY L. WILLIAMS 27363
[Signature]
INVALID UNLESS SIGNED

09:52:35 06-08-11
Tare# 2
Gross 57580 lb
Tare 25840 lb KP
Net 31740 lb

15.87 Tons

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2011
RICKY L. WILLIAMS 27363
[Signature]
INVALID UNLESS SIGNED

10:50:14 06-08-11
Tare# 1
Gross 57060 lb
Tare 25260 lb KP
Net 31800 lb

15.90 Tons

KING J.A. KING ISO
PRECISION MEASUREMENT 1702-5 ACCREDITED
& COMPANY, L.L.C.
MEASUREMENT PROFESSIONALS SINCE 1939

P.O. Box 21225 • 2620 High Point Road • Greensboro, NC 27420-1225
Ph: (336) 292-0511 • Fax: (336) 294-9864

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2011
RICKY L. WILLIAMS 27363
[Signature]
INVALID UNLESS SIGNED

09:05:40 06-08-11
Tare# 1
Gross 62220 lb
Tare 25260 lb KP
Net 36960 lb

18.48 Tons

KING J.A. KING ISO
PRECISION MEASUREMENT 1702-5 ACCREDITED
& COMPANY, L.L.C.
MEASUREMENT PROFESSIONALS SINCE 1939

P.O. Box 21225 • 2620 High Point Road • Greensboro, NC 27420-1225
Ph: (336) 292-0511 • Fax: (336) 294-9864

10:00:52 06-08-11
Tare# 1
Gross 57060 lb
Tare 25260 lb KP
Net 31800 lb

15.90 Tons

KING J.A. KING ISO
PRECISION MEASUREMENT 1702-5 ACCREDITED
& COMPANY, L.L.C.
MEASUREMENT PROFESSIONALS SINCE 1939

P.O. Box 21225 • 2620 High Point Road • Greensboro, NC 27420-1225
Ph: (336) 292-0511 • Fax: (336) 294-9864

KING J.A. KING ISO
PRECISION MEASUREMENT 1702-5 ACCREDITED
& COMPANY, L.L.C.
MEASUREMENT PROFESSIONALS SINCE 1939

P.O. Box 21225 • 2620 High Point Road • Greensboro, NC 27420-1225
Ph: (336) 292-0511 • Fax: (336) 294-9864

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2011
ROCKY L. WILLIAMS 27363
INVALID UNLESS SIGNED

11:43:19 06-13-11
Tare# 202
Gross 77040 lb
Tare 33740 lb KP
Net 43300 lb

21.65 TONS

KING
WEIGHMASTER
J.A. KING
& COMPANY, L.L.C.
17025 ACCREDITED

MEASUREMENT PROFESSIONALS SINCE 1939

P.O. Box 21225 • 2620 High Point Road • Greensboro, NC 27420-1225
Ph: (336) 282-0511 • Fax: (336) 284-9664

10:23:57 06-08-11
Tare# 202
Gross 70960 lb
Tare 00 lb KP
Net 70960 lb

18.01 TONS

10:40:08 06-08-11
Tare# 202
Gross 33740 lb
Tare 00 lb KP
Net 33740 lb

37,220

KING
WEIGHMASTER
J.A. KING
& COMPANY, L.L.C.
17025 ACCREDITED

MEASUREMENT PROFESSIONALS SINCE 1939

P.O. Box 21225 • 2620 High Point Road • Greensboro, NC 27420-1225
Ph: (336) 282-0511 • Fax: (336) 284-9664

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2011
ROCKY L. WILLIAMS 27363
INVALID UNLESS SIGNED

15.91 TONS

11:05:48 06-09-11
Tare# 202
Gross 65360 lb
Tare 33740 lb KP
Net 31620 lb

KING
WEIGHMASTER
J.A. KING
& COMPANY, L.L.C.
17025 ACCREDITED

MEASUREMENT PROFESSIONALS SINCE 1939

P.O. Box 21225 • 2620 High Point Road • Greensboro, NC 27420-1225
Ph: (336) 282-0511 • Fax: (336) 284-9664

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2011
RICKY L. WILLIAMS 27363
Ricky Williams
INVALID UNLESS SIGNED

14.25 Tons.

08:06:36 06-08-11
Tare# -1
Gross 53760 lb
Tare 25260 lb KP
Net 28500 lb



MEASUREMENT PROFESSIONALS SINCE 1939

P.O. Box 21225 • 2620 High Point Road • Greensboro, NC 27420-1225
Ph: (336) 292-0511 • Fax: (336) 294-9664

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2011
RICKY L. WILLIAMS - 27363
Becky Selkame
INVALID UNLESS SIGNED

18.53 Tons

08:29:36 06-16-11
Tare# 2
Gross 62900 lb
Tare 25840 lb KP
Net 37060 lb



MEASUREMENT PROFESSIONALS SINCE 1939

6541-C Franz Warner Parkway • Whitsett, NC 27377
Ph: (336) 292-0511 • Fax: (336) 294-9664

APPENDIX D
PHOTOGRAPHS

**PARCEL 907 – ROBERT L. LONG PROPERTY
6871 CLINTON ROAD
STEDMAN, NC**



Looking North, UST #1 being removed.

**PARCEL 907 – ROBERT L. LONG PROPERTY
6871 CLINTON ROAD
STEDMAN, NC**



UST #2 and UST #3 loaded for transportation and disposal.



Looking East across UST #2 and UST #3 excavation.

**PARCEL 907 – ROBERT L. LONG PROPERTY
6871 CLINTON ROAD
STEDMAN, NC**



Looking South, UST #4 removed from excavation (in background).



Looking Southeast, UST #4 and UST #5 (in foreground)
removed from excavation (in background on right).

**PARCEL 907 – ROBERT L. LONG PROPERTY
6871 CLINTON ROAD
STEDMAN, NC**



Looking East, Dispenser and line(s) excavation.



Looking North, Dispenser and line(s) excavation.

**PARCEL 907 – ROBERT L. LONG PROPERTY
6871 CLINTON ROAD
STEDMAN, NC**



Looking South across UST #1, UST #2, and UST #3 excavation



Looking North across UST #3, UST #2, and UST #1 excavation following removal of two (2) feet of unsuitable "pumping" fill and placing geotextile fabric.

**PARCEL 907 – ROBERT L. LONG PROPERTY
6871 CLINTON ROAD
STEDMAN, NC**



Looking Northeast across site after final backfilling and grading.



Looking North across site after final backfilling and grading.

APPENDIX E

**LABORATORY ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY DOCUMENTATION**

Laboratory Report of Analysis

To: Ben Ashba
RICHARD CATLIN & ASSOCIATES
P.O. Box 10279
Wilmington, NC 28404

Report Number: **31101504**

Client Project: **Parcel 81 B-Long Prop**

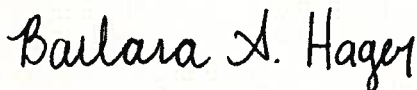
Dear Ben Ashba,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara A. Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.



Digitally signed by Barbara A. Hager
DN: CN = Barbara A. Hager, C = US, O = SGS Wilmington, NC, OU
= Project Manager
Date: 2011.06.20 13:32:28 -04'00'

Barbara A. Hager
Project Manager
barbara.hager@sgs.com

Date

Laboratory Qualifiers

Report Definitions

DL	Method, Instrument, or Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank

Qualifier Definitions

*	Recovery or RPD outside of control limits
B	Analyte was detected in the Lab Method Blank at a level above the LOQ
U	Undetected (Reported as ND or < LOD)
V	Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit
A	Amount detected is less than the Lower Method Calibration Limit
J	Amount detected is between the Method Detection Limit and the Lower Calibration Limit
O	The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high
E	Amount detected is greater than the Upper Calibration Limit
S	The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s)
Q	Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s)
I	Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s)
DPE	Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)
TIC	Tentatively Identified Compound
EMC	Estimated Maximum possible Concentration due to ion ratio failure
ND	Not Detected
K	Result is estimated due to ion ratio failure in High Resolution PCB Analysis
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range
M1	Mis-identified peak
M2	Software did not integrate peak
M3	Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one)
M4	Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane)
M5	Other - Explained in case narrative

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

Sample Summary

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Collected</u>	<u>Received</u>	<u>Matrix</u>
UST#1-W (6ft)	31101504001	06/08/2011 13:40	06/13/2011 09:25	Soil-Solid as dr
UST#1-E (6ft)	31101504002	06/08/2011 13:45	06/13/2011 09:25	Soil-Solid as dr
UST#1-N (6ft)	31101504003	06/08/2011 13:50	06/13/2011 09:25	Soil-Solid as dr
Disposal Comp	31101504004	06/09/2011 10:00	06/13/2011 09:25	Soil-Solid as dr
UST#4-N (6.5ft)	31101504005	06/09/2011 10:15	06/13/2011 09:25	Soil-Solid as dr
UST#4-S (6.5ft)	31101504006	06/09/2011 10:20	06/13/2011 09:25	Soil-Solid as dr
UST#5-N (6ft)	31101504007	06/09/2011 10:25	06/13/2011 09:25	Soil-Solid as dr
UST#5-S (6ft)	31101504008	06/09/2011 10:30	06/13/2011 09:25	Soil-Solid as dr
UST#1-SE (5ft)	31101504009	06/10/2011 07:30	06/13/2011 09:25	Soil-Solid as dr
UST#2-E (5ft)	31101504010	06/10/2011 07:35	06/13/2011 09:25	Soil-Solid as dr
UST#3-E (5ft)	31101504011	06/10/2011 07:40	06/13/2011 09:25	Soil-Solid as dr
UST#3-SE (5ft)	31101504012	06/10/2011 07:45	06/13/2011 09:25	Soil-Solid as dr
UST#3-S (5ft)	31101504013	06/10/2011 07:50	06/13/2011 09:25	Soil-Solid as dr
UST#3-SW (5ft)	31101504014	06/10/2011 07:55	06/13/2011 09:25	Soil-Solid as dr
UST#3-W and Line (4ft)	31101504015	06/10/2011 08:00	06/13/2011 09:25	Soil-Solid as dr
UST#2-W and Line (4ft)	31101504016	06/10/2011 08:05	06/13/2011 09:25	Soil-Solid as dr
UST#2-NW (5ft)	31101504017	06/10/2011 08:10	06/13/2011 09:25	Soil-Solid as dr
UST#1-SW (5ft)	31101504018	06/10/2011 08:15	06/13/2011 09:25	Soil-Solid as dr



Results of UST#1-W (6ft)

Client Sample ID: **UST#1-W (6ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504001-A
Lab Project ID: 31101504

Collection Date: 06/08/2011 13:40
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.39	mg/kg	1
Surrogates					
4-Bromofluorobenzene	96.1		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1255**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/14/2011 16:44**

Prep Batch: **VXX1646**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/14/2011 11:53**
Prep Initial Wt./Vol.: **6.51 g**
Prep Extract Vol: **5 mL**



Results of UST#1-W (6ft)

Client Sample ID: **UST#1-W (6ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504001-C
Lab Project ID: 31101504

Collection Date: 06/08/2011 13:40
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	ND		6.78	mg/kg	1
Surrogates					
o-Terphenyl	74.2		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1304**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/16/2011 13:30**

Prep Batch: **XXX1437**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/15/2011 09:23**
Prep Initial Wt./Vol.: **32.49 g**
Prep Extract Vol: **10 mL**



Results of UST#1-E (6ft)

Client Sample ID: **UST#1-E (6ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504002-A
Lab Project ID: 31101504

Collection Date: 06/08/2011 13:45
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 85

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.43	mg/kg	1
Surrogates					
4-Bromofluorobenzene	97.7		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1255**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/14/2011 17:12**

Prep Batch: **VXX1646**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/14/2011 11:53**
Prep Initial Wt./Vol.: **6.88 g**
Prep Extract Vol: **5 mL**



Results of UST#1-E (6ft)

Client Sample ID: **UST#1-E (6ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504002-C
Lab Project ID: 31101504

Collection Date: 06/08/2011 13:45
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 85

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	ND		7.39	mg/kg	1
Surrogates					
o-Terphenyl	78.1		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1304**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/16/2011 13:59**

Prep Batch: **XXX1437**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/15/2011 09:23**
Prep Initial Wt./Vol.: **31.89 g**
Prep Extract Vol: **10 mL**



Results of UST#1-N (6ft)

Client Sample ID: **UST#1-N (6ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504003-A
Lab Project ID: 31101504

Collection Date: 06/08/2011 13:50
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 94

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.39	mg/kg	1
Surrogates					
4-Bromofluorobenzene	98.1		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1255**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/14/2011 17:39**

Prep Batch: **VXX1646**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/14/2011 11:53**
Prep Initial Wt./Vol.: **6.31 g**
Prep Extract Vol: **5 mL**



Results of UST#1-N (6ft)

Client Sample ID: UST#1-N (6ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504003-C
Lab Project ID: 31101504

Collection Date: 06/08/2011 13:50
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 94

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	ND		6.55	mg/kg	1
Surrogates					
o-Terphenyl	83.1		40.0-140	%	1

Batch Information

Analytical Batch: XGC1304
Analytical Method: SW-846 8015C DRO
Instrument: GC6
Analyst: DTF
Analytical Date/Time: 06/16/2011 14:27

Prep Batch: XXX1437
Prep Method: SW-846 3541
Prep Date/Time: 06/15/2011 09:23
Prep Initial Wt./Vol.: 32.63 g
Prep Extract Vol: 10 mL



Results of Disposal Comp

Client Sample ID: **Disposal Comp**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504004-A
Lab Project ID: 31101504

Collection Date: 06/09/2011 10:00
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 87

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	12.9		3.28	mg/kg	1
Surrogates					
4-Bromofluorobenzene	101		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1255**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/14/2011 18:06**

Prep Batch: **VXX1646**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/14/2011 11:53**
Prep Initial Wt./Vol.: **7 g**
Prep Extract Vol: **5 mL**



Results of Disposal Comp

Client Sample ID: **Disposal Comp**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504004-C
Lab Project ID: 31101504

Collection Date: 06/09/2011 10:00
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 87

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	35.6		7.10	mg/kg	1
Surrogates					
o-Terphenyl	80.3		40.0-140	%	1

Batch Information

Analytical Batch: XGC1304
Analytical Method: SW-846 8015C DRO
Instrument: GC6
Analyst: DTF
Analytical Date/Time: 06/16/2011 14:55

Prep Batch: XXX1437
Prep Method: SW-846 3541
Prep Date/Time: 06/15/2011 09:23
Prep Initial Wt./Vol.: 32.31 g
Prep Extract Vol: 10 mL



Results of UST#4-N (6.5ft)

Client Sample ID: **UST#4-N (6.5ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504005-A
Lab Project ID: 31101504

Collection Date: 06/09/2011 10:15
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 88

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.06	mg/kg	1
Surrogates					
4-Bromofluorobenzene	97.6		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1255**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/14/2011 18:33**

Prep Batch: **VXX1646**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/14/2011 11:53**
Prep Initial Wt./Vol.: **7.46 g**
Prep Extract Vol: **5 mL**



Results of UST#4-N (6.5ft)

Client Sample ID: UST#4-N (6.5ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504005-C
Lab Project ID: 31101504

Collection Date: 06/09/2011 10:15
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 88

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	37.3		6.97	mg/kg	1
Surrogates					
o-Terphenyl	78.8		40.0-140	%	1

Batch Information

Analytical Batch: XGC1304
Analytical Method: SW-846 8015C DRO
Instrument: GC6
Analyst: DTF
Analytical Date/Time: 06/16/2011 15:23

Prep Batch: XXX1437
Prep Method: SW-846 3541
Prep Date/Time: 06/15/2011 09:23
Prep Initial Wt./Vol.: 32.8 g
Prep Extract Vol: 10 mL



Results of UST#4-S (6.5ft)

Client Sample ID: **UST#4-S (6.5ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504006-A
Lab Project ID: 31101504

Collection Date: 06/09/2011 10:20
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 88

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	4.54		3.06	mg/kg	1
Surrogates					
4-Bromofluorobenzene	99.1		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1255**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/14/2011 19:01**

Prep Batch: **VXX1646**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/14/2011 11:53**
Prep Initial Wt./Vol.: **7.42 g**
Prep Extract Vol: **5 mL**



Results of UST#4-S (6.5ft)

Client Sample ID: **UST#4-S (6.5ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504006-C
Lab Project ID: 31101504

Collection Date: 06/09/2011 10:20
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 88

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	337		7.14	mg/kg	1
Surrogates					
o-Terphenyl	83.0		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1304**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/16/2011 15:51**

Prep Batch: **XXX1437**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/15/2011 09:23**
Prep Initial Wt./Vol.: **31.79 g**
Prep Extract Vol: **10 mL**



Results of UST#5-N (6ft)

Client Sample ID: **UST#5-N (6ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504007-A
Lab Project ID: 31101504

Collection Date: 06/09/2011 10:25
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 89

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DE</u>
Gasoline Range Organics (GRO)	ND		3.65	mg/kg	1
Surrogates					
4-Bromofluorobenzene	99.0		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1255**
Analytical Method: **SW-846 8015C GRO**
Instrument: GC4
Analyst: LMC
Analytical Date/Time: 06/14/2011 19:28

Prep Batch: **VXX1646**
Prep Method: **SW-846 5035**
Prep Date/Time: 06/14/2011 11:53
Prep Initial Wt./Vol.: 6.12 g
Prep Extract Vol: 5 mL



Results of UST#5-N (6ft)

Client Sample ID: **UST#5-N (6ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504007-C
Lab Project ID: 31101504

Collection Date: 06/09/2011 10:25
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 89

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	66.0		7.02	mg/kg	1
Surrogates					
o-Terphenyl	70.4		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1304**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/16/2011 16:19**

Prep Batch: **XXX1437**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/15/2011 09:23**
Prep Initial Wt./Vol.: **31.84 g**
Prep Extract Vol: **10 mL**



Results of UST#5-S (6ft)

Client Sample ID: **UST#5-S (6ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504008-C
Lab Project ID: 31101504

Collection Date: 06/09/2011 10:30
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 87

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.64	mg/kg	1
Surrogates					
4-Bromofluorobenzene	96.2		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1255**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/14/2011 19:55**

Prep Batch: **VXX1646**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/14/2011 11:53**
Prep Initial Wt./Vol.: **6.3 g**
Prep Extract Vol: **5 mL**



Results of UST#5-S (6ft)

Client Sample ID: **UST#5-S (6ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504008-C
Lab Project ID: 31101504

Collection Date: 06/09/2011 10:30
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 87

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	8.32		7.09	mg/kg	1
Surrogates					
o-Terphenyl	74.7		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1304**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/16/2011 16:47**

Prep Batch: **XXX1437**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/15/2011 09:23**
Prep Initial Wt./Vol.: **32.3 g**
Prep Extract Vol: **10 mL**



Results of UST#1-SE (5ft)

Client Sample ID: **UST#1-SE (5ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504009-A
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:30
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.71	mg/kg	1
Surrogates					
4-Bromofluorobenzene	98.6		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1255**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/14/2011 20:23**

Prep Batch: **VXX1646**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/14/2011 11:53**
Prep Initial Wt./Vol.: **5.91 g**
Prep Extract Vol: **5 mL**



Results of UST#1-SE (5ft)

Client Sample ID: UST#1-SE (5ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504009-C
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:30
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	ND		6.58	mg/kg	1
Surrogates					
o-Terphenyl	83.7		40.0-140	%	1

Batch Information

Analytical Batch: XGC1304
Analytical Method: SW-846 8015C DRO
Instrument: GC6
Analyst: DTF
Analytical Date/Time: 06/16/2011 17:16

Prep Batch: XXX1437
Prep Method: SW-846 3541
Prep Date/Time: 06/15/2011 09:23
Prep Initial Wt./Vol.: 33.36 g
Prep Extract Vol: 10 mL



Results of UST#2-E (5ft)

Client Sample ID: UST#2-E (5ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504010-A
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:35
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 89

Results by SW-846 8015C GRO

Parameter	Result	Qual	LOQ/CL	Units	DF
Gasoline Range Organics (GRO)	ND		3.47	mg/kg	1
Surrogates					
4-Bromofluorobenzene	97.6		70.0-130	%	1

Batch Information

Analytical Batch: VGC1255
Analytical Method: SW-846 8015C GRO
Instrument: GC4
Analyst: LMC
Analytical Date/Time: 06/14/2011 20:50

Prep Batch: VXX1646
Prep Method: SW-846 5035
Prep Date/Time: 06/14/2011 11:53
Prep Initial Wt./Vol.: 6.46 g
Prep Extract Vol: 5 mL



Results of UST#2-E (5ft)

Client Sample ID: UST#2-E (5ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504010-C
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:35
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 89

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	ND		6.71	mg/kg	1
Surrogates					
o-Terphenyl	78.5		40.0-140	%	1

Batch Information

Analytical Batch: XGC1304
Analytical Method: SW-846 8015C DRO
Instrument: GC6
Analyst: DTF
Analytical Date/Time: 06/16/2011 17:44

Prep Batch: XXX1437
Prep Method: SW-846 3541
Prep Date/Time: 06/15/2011 09:23
Prep Initial Wt./Vol.: 33.39 g
Prep Extract Vol: 10 mL



Results of UST#3-E (5ft)

Client Sample ID: UST#3-E (5ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504011-A
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:40
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 88

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.40	mg/kg	1
Surrogates					
4-Bromofluorobenzene	97.9		70.0-130	%	1

Batch Information

Analytical Batch: VGC1255
Analytical Method: SW-846 8015C GRO
Instrument: GC4
Analyst: LMC
Analytical Date/Time: 06/14/2011 21:17

Prep Batch: VXX1646
Prep Method: SW-846 5035
Prep Date/Time: 06/14/2011 11:53
Prep Initial Wt./Vol.: 6.66 g
Prep Extract Vol: 5 mL



Results of UST#3-E (5ft)

Client Sample ID: UST#3-E (5ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504011-C
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:40
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 88

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	23.9		6.68	mg/kg	1
Surrogates					
o-Terphenyl	90.9		40.0-140	%	1

Batch Information

Analytical Batch: XGC1304
Analytical Method: SW-846 8015C DRO
Instrument: GC6
Analyst: DTF
Analytical Date/Time: 06/16/2011 18:12

Prep Batch: XXX1437
Prep Method: SW-846 3541
Prep Date/Time: 06/15/2011 09:23
Prep Initial Wt./Vol.: 33.9 g
Prep Extract Vol: 10 mL



Results of UST#3-SE (5ft)

Client Sample ID: UST#3-SE (5ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504012-A
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:45
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.58	mg/kg	1

Surrogates

4-Bromofluorobenzene	96.4		70.0-130	%	1
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Batch Information

Analytical Batch: VGC1255
Analytical Method: SW-846 8015C GRO
Instrument: GC4
Analyst: LMC
Analytical Date/Time: 06/14/2011 21:44

Prep Batch: VXX1646
Prep Method: SW-846 5035
Prep Date/Time: 06/14/2011 11:53
Prep Initial Wt./Vol.: 6.17 g
Prep Extract Vol: 5 mL



Results of UST#3-SE (5ft)

Client Sample ID: **UST#3-SE (5ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504012-C
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:45
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	ND		6.69	mg/kg	1
Surrogates					
o-Terphenyl	80.4		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1304**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/16/2011 18:40**

Prep Batch: **XXX1437**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/15/2011 09:23**
Prep Initial Wt./Vol.: **33.01 g**
Prep Extract Vol: **10 mL**



Results of UST#3-S (5ft)

Client Sample ID: UST#3-S (5ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504013-A
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:50
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.52	mg/kg	1
Surrogates					
4-Bromofluorobenzene	98.2		70.0-130	%	1

Batch Information

Analytical Batch: VGC1255
Analytical Method: SW-846 8015C GRO
Instrument: GC4
Analyst: LMC
Analytical Date/Time: 06/14/2011 22:11

Prep Batch: VXX1646
Prep Method: SW-846 5035
Prep Date/Time: 06/14/2011 11:53
Prep Initial Wt./Vol.: 6.21 g
Prep Extract Vol: 5 mL



Results of UST#3-S (5ft)

Client Sample ID: UST#3-S (5ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504013-C
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:50
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	ND		6.64	mg/kg	1
Surrogates					
o-Terphenyl	78.9		40.0-140	%	1

Batch Information

Analytical Batch: XGC1304
Analytical Method: SW-846 8015C DRO
Instrument: GC6
Analyst: DTF
Analytical Date/Time: 06/16/2011 19:08

Prep Batch: XXX1437
Prep Method: SW-846 3541
Prep Date/Time: 06/15/2011 09:23
Prep Initial Wt./Vol.: 32.92 g
Prep Extract Vol: 10 mL



Results of UST#3-SW (5ft)

Client Sample ID: **UST#3-SW (5ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504014-A
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:55
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 92

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.59	mg/kg	1
Surrogates					
4-Bromofluorobenzene	97.1		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1255**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/14/2011 22:39**

Prep Batch: **VXX1646**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/14/2011 11:53**
Prep Initial Wt./Vol.: **6.03 g**
Prep Extract Vol: **5 mL**



Results of UST#3-SW (5ft)

Client Sample ID: **UST#3-SW (5ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504014-C
Lab Project ID: 31101504

Collection Date: 06/10/2011 07:55
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 92

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	ND		7.16	mg/kg	1
Surrogates					
o-Terphenyl	80.1		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1304**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/16/2011 19:36**

Prep Batch: **XXX1437**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/15/2011 09:23**
Prep Initial Wt./Vol.: **30.2 g**
Prep Extract Vol: **10 mL**



Results of UST#3-W and Line (4ft)

Client Sample ID: **UST#3-W and Line (4ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504015-A
Lab Project ID: 31101504

Collection Date: 06/10/2011 08:00
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 93

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.79	mg/kg	1
Surrogates					
4-Bromofluorobenzene	97.9		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1255**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/14/2011 23:06**

Prep Batch: **VXX1646**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/14/2011 11:53**
Prep Initial Wt./Vol.: **5.7 g**
Prep Extract Vol: **5 mL**



Results of UST#3-W and Line (4ft)

Client Sample ID: **UST#3-W and Line (4ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504015-C
Lab Project ID: 31101504

Collection Date: 06/10/2011 08:00
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 93

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	ND		6.83	mg/kg	1
Surrogates					
o-Terphenyl	85.9		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1304**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/16/2011 20:04**

Prep Batch: **XXX1437**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/15/2011 09:23**
Prep Initial Wt./Vol.: **31.64 g**
Prep Extract Vol: **10 mL**



Results of UST#2-W and Line (4ft)

Client Sample ID: **UST#2-W and Line (4ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504016-A
Lab Project ID: 31101504

Collection Date: 06/10/2011 08:05
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 95

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	4.60		4.07	mg/kg	1

Surrogates

4-Bromofluorobenzene	99.8		70.0-130	%	1
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Batch Information

Analytical Batch: **VGC1259**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/15/2011 18:41**

Prep Batch: **VXX1651**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/16/2011 15:15**
Prep Initial Wt./Vol.: **5.2 g**
Prep Extract Vol: **5 mL**



Results of UST#2-W and Line (4ft)

Client Sample ID: UST#2-W and Line (4ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504016-C
Lab Project ID: 31101504

Collection Date: 06/10/2011 08:05
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 95

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	ND		6.82	mg/kg	1

Surrogates

o-Terphenyl	79.5		40.0-140	%	1
-------------	------	--	----------	---	---

Batch Information

Analytical Batch: XGC1304
Analytical Method: SW-846 8015C DRO
Instrument: GC6
Analyst: DTF
Analytical Date/Time: 06/16/2011 20:32

Prep Batch: XXX1437
Prep Method: SW-846 3541
Prep Date/Time: 06/15/2011 09:23
Prep Initial Wt./Vol.: 31.02 g
Prep Extract Vol: 10 mL



Results of UST#2-NW (5ft)

Client Sample ID: **UST#2-NW (5ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504017-A
Lab Project ID: 31101504

Collection Date: 06/10/2011 08:10
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 94

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.88	mg/kg	1

Surrogates

4-Bromofluorobenzene	97.5		70.0-130	%	1
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Batch Information

Analytical Batch: **VGC1259**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/15/2011 19:08**

Prep Batch: **VXX1651**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/16/2011 15:15**
Prep Initial Wt./Vol.: **5.51 g**
Prep Extract Vol: **5 mL**



Results of UST#2-NW (5ft)

Client Sample ID: **UST#2-NW (5ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504017-C
Lab Project ID: 31101504

Collection Date: 06/10/2011 08:10
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 94

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	ND		6.94	mg/kg	1
Surrogates					
o-Terphenyl	75.2		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1304**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/16/2011 21:00**

Prep Batch: **XXX1437**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/15/2011 09:23**
Prep Initial Wt./Vol.: **30.78 g**
Prep Extract Vol: **10 mL**



Results of UST#1-SW (5ft)

Client Sample ID: **UST#1-SW (5ft)**
Client Project ID: **Parcel 81 B-Long Prop**
Lab Sample ID: 31101504018-B
Lab Project ID: 31101504

Collection Date: 06/10/2011 08:15
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Gasoline Range Organics (GRO)	ND		3.62	mg/kg	1

Surrogates

4-Bromofluorobenzene	95.4		70.0-130	%	1
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Batch Information

Analytical Batch: **VGC1259**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/15/2011 19:35**

Prep Batch: **VXX1651**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/16/2011 15:15**
Prep Initial Wt./Vol.: **6.07 g**
Prep Extract Vol: **5 mL**



Results of UST#1-SW (5ft)

Client Sample ID: UST#1-SW (5ft)
Client Project ID: Parcel 81 B-Long Prop
Lab Sample ID: 31101504018-C
Lab Project ID: 31101504

Collection Date: 06/10/2011 08:15
Received Date: 06/13/2011 09:25
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
Diesel Range Organics (DRO)	8.14		6.78	mg/kg	1
Surrogates					
o-Terphenyl	75.4		40.0-140	%	1

Batch Information

Analytical Batch: XGC1304
Analytical Method: SW-846 8015C DRO
Instrument: GC6
Analyst: DTF
Analytical Date/Time: 06/16/2011 21:29

Prep Batch: XXX1437
Prep Method: SW-846 3541
Prep Date/Time: 06/15/2011 09:23
Prep Initial Wt./Vol.: 32.4 g
Prep Extract Vol: 10 mL



CHAIN OF CUSTODY RECORD
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 • New Jersey
 • North Carolina
 • Ohio

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103645

1 CLIENT: CATUN/NCDOT
 CONTACT: Ben Ashba @ CAP (910) 452-561
 PROJECT: Parcel 81B-Long Prop
 REPORTS TO: Ben @ CATUN
 INVOICE TO: NCDOT
 QUOTE #: DST
 P.O. NUMBER: DST

SGS Reference: 3110/504 PAGE 1 OF 2

NO	SAMPLE TYPE	CONTAINERS	MATRIX	DATE	TIME	REMARKS
3	G	3	SOIL	6.8.11	1340	sidewall samples
		↓	↓	1345		
		↓	↓	1350		"HOT"
3	C	3	SOIL	6.9.11	1000	Flour samples
				1015		
				1020		
				1025		
				1030		
				730		
				735		sidewall samples

2

3 Preservatives Used: None
 Analysis Required: 3
GRO

4

Shipping Carrier: UPS
 Shipping Ticket No: 424
 Samples Received Cold? (Circle) YES NO
 Temperature C: 424
 Chain of Custody Seal: (Circle) ABSENT

Special Deliverable Requirements: Summary EDP
 Special Instructions: INTACT BROKEN

Requested Turnaround Time: RUSH Date Needed: STD

5

Collected/Relinquished By: (1)	Date	Time	Received By:
<u>Ben Ashba</u>	<u>6.13.11</u>	<u>0900</u>	<u>Tom STC</u>
Relinquished By: (2)	Date	Time	Received By:
<u>Tom STC</u>	<u>06/13/11</u>	<u>0925</u>	<u>Paul Ash</u>
Relinquished By: (3)	Date	Time	Received By:
	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:



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 - North Carolina
 - Ohio

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103644

1 CLIENT: CATLIN / NCDOT PHONE NO: 910 452-5861

CONTACT: Ben Ashba SALES REP: R-2303A

PROJECT: Parcel 81B-LinyPop WBS: 34416.1.1

REPORTS TO: Ben@CATLIN Cumberland County
ben.ashba@catlinus.com

INVOICE TO: NCDOT QUOTE #: DOT

P.O. NUMBER:

SGS Reference: 31101504 PAGE 2 OF 2

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	SAMPLE TYPE	No CONTAINERS	Preservatives Used	Analysis Required	REMARKS
	UST # 3-E (5')	6-10-11	740	SPIC	G	3			
	UST # 3-SE (5')	6-10-11	745						
	UST # 3-S (5')		750						
	UST # 3-SW (5')		755						
	UST # 3-W & Line (4')		800						
	UST # 2-W & Line (4')		805						
	UST # 2-NW (5')		810						
	UST # 1-SW (5')		815						

2

3

4

5

Collected/Relinquished By: (1) Ben Ashba Date: 6/13/11 Time: 0900 Received By: Tim Stee

Relinquished By: (2) Tim Stee Date: 6/13/11 Time: 0925 Received By: Ben Ashba

Relinquished By: (3)

Relinquished By: (4)

Shipping Carrier: _____

Shipping Ticket No: _____

Special Deliverable Requirements: Summary EDP

Special Instructions: _____

Samples Received Cold? (Circle) YES / NO NO

Temperature °C: 42°C

Chain of Custody Seal: (Circle) INTACT / BROKEN / ABSENT ABSENT

Requested Turnaround Time: _____

RUSH STD Date Needed _____

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: NCDOT-Catlin

Work Order No.: 31101504

- | | | |
|-----|--|----------------------------------|
| 1. | <input type="checkbox"/> Shipped
<input checked="" type="checkbox"/> Hand Delivered | Notes: _____
_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____
_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>4.2</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Received Outside of Temperature Specifications | _____

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted | _____
_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: Received sample with no sample id labeled hold not on COC.

Collection time on jar for UST#1-W (6ft) is 1345, COC says 1340.

Inspected and Logged in by: JJ

Date: Mon-6/13/11 00:00

Laboratory Report of Analysis

To: Ben Ashba
RICHARD CATLIN & ASSOCIATES
P.O. Box 10279
Wilmington, NC 28404

Report Number: **31101576**

Client Project: **NCDOT Long Prop. Parcel 81B**

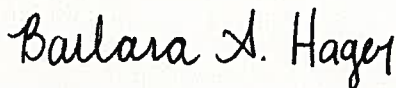
Dear Ben Ashba,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara A. Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.



Digitally signed by Barbara A. Hager
DN: CN = Barbara A. Hager, C = US, O = SGS Wilmington, NC, OU =
Project Manager
Date: 2011.06.24 13:24:53 -04'00'

Barbara A. Hager
Project Manager
barbara.hager@sgs.com

Date

Laboratory Qualifiers

Report Definitions

DL	Method, Instrument, or Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank

Qualifier Definitions

*	Recovery or RPD outside of control limits
B	Analyte was detected in the Lab Method Blank at a level above the LOQ
U	Undetected (Reported as ND or < LOD)
V	Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit
A	Amount detected is less than the Lower Method Calibration Limit
J	Amount detected is between the Method Detection Limit and the Lower Calibration Limit
O	The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high
E	Amount detected is greater than the Upper Calibration Limit
S	The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s)
Q	Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s)
I	Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s)
DPE	Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)
TIC	Tentatively Identified Compound
EMC	Estimated Maximum possible Concentration due to ion ratio failure
ND	Not Detected
K	Result is estimated due to ion ratio failure in High Resolution PCB Analysis
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range
M1	Mis-identified peak
M2	Software did not integrate peak
M3	Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one)
M4	Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane)
M5	Other - Explained in case narrative

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

Sample Summary

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Collected</u>	<u>Received</u>	<u>Matrix</u>
LINE-N (3ft)	31101576001	06/13/2011 11:15	06/17/2011 11:15	Soil-Solid as dr
LINE-S (3ft)	31101576002	06/13/2011 11:20	06/17/2011 11:15	Soil-Solid as dr
DISPENSERS (3ft)	31101576003	06/13/2011 11:25	06/17/2011 11:15	Soil-Solid as dr



Results of LINE-N (3ft)

Client Sample ID: **LINE-N (3ft)**
Client Project ID: **NCDOT Long Prop. Parcel 81B**
Lab Sample ID: 31101576001-A
Lab Project ID: 31101576

Collection Date: 06/13/2011 11:15
Received Date: 06/17/2011 11:15
Matrix: Soil-Solid as dry weight
Solids (%): 88

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Gasoline Range Organics (GRO)	ND		3.23	mg/kg	1	06/20/2011 18:22

Surrogates

4-Bromofluorobenzene	96.5		70.0-130	%	1	06/20/2011 18:22
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Batch Information

Analytical Batch: **VGC1269**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/20/2011 18:22**

Prep Batch: **VXX1669**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/20/2011 09:35**
Prep Initial Wt./Vol.: **7.03 g**
Prep Extract Vol: **5 mL**



Results of LINE-N (3ft)

Client Sample ID: **LINE-N (3ft)**
Client Project ID: **NCDOT Long Prop. Parcel 81B**
Lab Sample ID: 31101576001-C
Lab Project ID: 31101576

Collection Date: 06/13/2011 11:15
Received Date: 06/17/2011 11:15
Matrix: Soil-Solid as dry weight
Solids (%): 88

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Diesel Range Organics (DRO)	ND		6.98	mg/kg	1	06/22/2011 22:46
Surrogates						
o-Terphenyl	70.9		40.0-140	%	1	06/22/2011 22:46

Batch Information

Analytical Batch: **XGC1315**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/22/2011 22:46**

Prep Batch: **XXX1456**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/21/2011 09:33**
Prep Initial Wt./Vol.: **32.52 g**
Prep Extract Vol: **10 mL**



Results of LINE-S (3ft)

Client Sample ID: **LINE-S (3ft)**
Client Project ID: **NCDOT Long Prop. Parcel 81B**
Lab Sample ID: 31101576002-A
Lab Project ID: 31101576

Collection Date: 06/13/2011 11:20
Received Date: 06/17/2011 11:15
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Gasoline Range Organics (GRO)	ND		3.37	mg/kg	1	06/20/2011 18:49

Surrogates

4-Bromofluorobenzene	99.4		70.0-130	%	1	06/20/2011 18:49
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Batch Information

Analytical Batch: **VGC1269**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/20/2011 18:49**

Prep Batch: **VXX1669**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/20/2011 09:35**
Prep Initial Wt./Vol.: **6.52 g**
Prep Extract Vol: **5 mL**



Results of LINE-S (3ft)

Client Sample ID: **LINE-S (3ft)**
Client Project ID: **NCDOT Long Prop. Parcel 81B**
Lab Sample ID: 31101576002-C
Lab Project ID: 31101576

Collection Date: 06/13/2011 11:20
Received Date: 06/17/2011 11:15
Matrix: Soil-Solid as dry weight
Solids (%): 91

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Diesel Range Organics (DRO)	ND		6.79	mg/kg	1	06/22/2011 23:14
Surrogates						
o-Terphenyl	71.2		40.0-140	%	1	06/22/2011 23:14

Batch Information

Analytical Batch: **XGC1315**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/22/2011 23:14**

Prep Batch: **XXX1456**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/21/2011 09:33**
Prep Initial Wt./Vol.: **32.4 g**
Prep Extract Vol: **10 mL**



Results of DISPENSERS (3ft)

Client Sample ID: **DISPENSERS (3ft)**
Client Project ID: **NCDOT Long Prop. Parcel 81B**
Lab Sample ID: 31101576003-A
Lab Project ID: 31101576

Collection Date: 06/13/2011 11:25
Received Date: 06/17/2011 11:15
Matrix: Soil-Solid as dry weight
Solids (%): 81

Results by SW-846 8015C GRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Gasoline Range Organics (GRO)	ND		3.70	mg/kg	1	06/20/2011 19:17

Surrogates

4-Bromofluorobenzene	99.0		70.0-130	%	1	06/20/2011 19:17
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Batch Information

Analytical Batch: **VGC1269**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **06/20/2011 19:17**

Prep Batch: **VXX1669**
Prep Method: **SW-846 5035**
Prep Date/Time: **06/20/2011 09:35**
Prep Initial Wt./Vol.: **6.65 g**
Prep Extract Vol: **5 mL**



Results of DISPENSERS (3ft)

Client Sample ID: **DISPENSERS (3ft)**
Client Project ID: **NCDOT Long Prop. Parcel 81B**
Lab Sample ID: 31101576003-C
Lab Project ID: 31101576

Collection Date: 06/13/2011 11:25
Received Date: 06/17/2011 11:15
Matrix: Soil-Solid as dry weight
Solids (%): 81

Results by SW-846 8015C DRO

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
Diesel Range Organics (DRO)	ND		7.56	mg/kg	1	06/22/2011 23:43
Surrogates						
o-Terphenyl	68.9		40.0-140	%	1	06/22/2011 23:43

Batch Information

Analytical Batch: **XGC1315**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **06/22/2011 23:43**

Prep Batch: **XXX1456**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/21/2011 09:33**
Prep Initial Wt./Vol.: **32.56 g**
Prep Extract Vol: **10 mL**

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: NCDOT-Catlin

Work Order No.: 31101576

- | | | |
|-----|--|---|
| 1. | <input type="checkbox"/> Shipped
<input checked="" type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.3</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Received Outside of Temperature Specifications | |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted | |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | |

Comments: _____

Inspected and Logged in by: JJ
Date: Fri-6/17/11 00:00