GZA
GeoEnvironmental, Inc.

Engineers and
Scientists

October 1, 2010
File No. 05.0043654.00-C

Mr. Joseph Martella
Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02908

530 Broadway
Providence
Rhode Island
02909
401-421-4140
Fax: 401-751-8613
http://www.gza.com

Re: *Short-Term Response Action Plan Closure Report*
MGP-Residuals Roadway Remediation
Former Tidewater Facility
Pawtucket, Rhode Island
RIDEM Case No. 95-022

Dear Mr. Martella:

On behalf of The Narragansett Electric Company d/b/a National Grid (National Grid), GZA GeoEnvironmental, Inc. (GZA) is pleased to provide you with this *Short Term Response Action Closure Report* for the Former Tidewater Facility located in Pawtucket, Rhode Island (herein referred to as the "Site"). The Short Term Response Action has been completed in accordance with Rule 6.00 of the Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases (Remediation Regulations, DEM-DSR-01-93, as amended). Response actions were completed consistent with GZA's January 2007 *Short Term Response Action Plan* (STRAP) which was approved in the Department's February 6, 2007 letter. The Short Term Response Actions described herein were implemented to address the presence of Manufactured Gas Plant (MGP) residuals (*i.e.*, blue-stained soils) present in near surface materials in certain portions of the roadways/access ways and parking areas in the vicinity of the substation.

BACKGROUND

This Site was the location of the former Tidewater Manufactured Gas Plant (MGP) and the former Pawtucket No. 1 Power Station. The majority of the Site is currently vacant with the exception of an active natural gas regulating station, and active switching and electrical substations; both owned and operated by National Grid. The Site consists of approximately 28 acres located on the western bank of the Seekonk River. A Site *Locus Plan* is included as Figure 1.

Certain portions of the unpaved access road and parking areas located to the south and southeast of the substation exhibited visual evidence of blue staining at the ground surface. This observed staining is typically associated with potentially cyanide-impacted material. The access road and parking areas are utilized by National Grid service trucks, and as such, the surface soils are prone to disturbance associated with vehicle traffic. The approximate area exhibiting this surface staining is depicted on the attached Figure 2, *Roadway Remediation Plan*.

On January 21, 2007, a STRAP to remove the blue-stained near surface materials within the roadway and parking area was submitted to RIDEM; additional information was provided in a memorandum dated July 10, 2007 entitled "Pre-characterization Soil Sampling and Analytical Results," and a STRAP Modification dated October 14, 2009. RIDEM subsequently approved both the original STRAP and the STRAP modification. In addition, Coastal Resource Management Council (CRMC) Assents were secured for the approved work prior to implementation of the response action. Due to timing of the field activities, two CRMC Assents were obtained: A2007-03-014 and A2010-04-009.

SHORT TERM REMEDIAL RESPONSE ACTIONS

As previously indicated, the intent of the proposed plan was to address the blue-stained surface materials observed within the roadway and parking areas along the south and southeastern portion of the substation. The STRAP activities described herein were implemented between January 2010 and May 2010. These activities included shallow excavation of visually stained materials along portions of the unpaved access road and parking area located south and southeast of the substation to an approximate depth of 1 foot below existing grade. The excavated materials were then relocated and placed in a low-lying area located south of the roadway as shown on Figure 2. The excavated roadway and parking areas were subsequently restored via placement of a 20 mil polyethylene liner over the base of the excavation followed by placement of bedding sand and a lift of processed material to match the pre-excavation grade. In addition, a cap was installed in the low-lying area immediately adjacent to the southern side of the roadway, as shown on Figure 2. This cap consisted of the placement of a 20-mil polyethylene liner over the existing surface of the low-lying area and the placement of bedding sand followed by a lift (approximately 3-inch thick) of trap rock. New chain link fencing with access gates was installed parallel to the roadway to limit future disturbance to surface soils beyond the capped areas. Per the July 10, 2007 memorandum, in the event that blue ash/organic material were encountered within the excavation work (indicative of potentially material due to low pH), these materials would not be removed but rather capped in-place. Figure 2 depicts the location and limits of the final capped surfaces and relocated soil areas.

The following sections present further details of the activities performed as part of this STRAP.

EARTHWORK

The earthwork activities were performed by T. Ford Company, Inc. (TFord) of Georgetown, Massachusetts. A GZA representative was onsite to oversee and document all remedial activities. Refer to Attachment A for photographs of the work performed. As described further herein, STRAP activities were originally initiated in mid January 2010; however, due to encountering frozen materials, the majority of the project was performed between May 3, 2010 and May 12, 2010.

Prior to the start of excavation, erosion and sedimentation controls, consisting of hay bales and silt fence were installed along the fence line to the east of the work area, adjacent to the waterfront area, consistent with the January 2007 STRAP and CRMC Assent. Refer to Figure 2 for approximate location of the installed erosion controls.

Earthwork included excavation of the roadway area to a depth of approximately 1 foot, relocation of the excavated material to the low-lying area as shown on Figure 2 and restoration of the roadway area. In addition, along the sections of the roadway which were disturbed and capped, the areas adjacent to the roadway were capped with trap rock consistent with the STRAP. Earthwork began in the roadway along the southwestern corner of the substation and proceeded towards the east for approximately 110 feet (refer to Figure 2). Due to the unexpected Site conditions (i.e., frost line extended to approximately 2 feet below grade), conditions were encountered which affected the extent of excavation of impacted material within the roadway. Specifically, in order to remove the upper 1 foot of the roadway as planned, the frozen ground required the use of a hammer jack to loosen the surface soil. Based on visual observation and pre-characterization data presented in our July 10, 2007 memo, some blue-stained material associated with the roadway area was deemed to be potentially hazardous due to low pH. This material was described as blue ash/organic material in our July 2007 memo. In loosening the frozen upper 1 foot of the roadway, some blue-stained ash/organic-like material at a depth of approximately 1 to 9 inches below grade was disturbed. This blue-stained material was initially encountered approximately 50 feet east of the southwestern corner of the substation, and extended approximately 30 feet further to the east and was approximately 15 feet wide, as noted on Figure 2. As previously indicated, per the July 10, 2007 memorandum, these materials were not planned for removal. Due to the frozen nature of the material, however once disturbed, these materials could not be properly backfilled and compacted. These blue-stained ash/organic-like materials were visually segregated from other soils excavated from the roadway area. Approximate 45 cubic yards (CY) were temporarily stockpiled on and covered with 20-mil polyethylene sheeting in the low-lying area south of the roadway (see Figure 2) and separated from the other excavated STRAP material.

GZA collected composite soil samples the stockpile for laboratory pH analysis and waste characterization. The pH stockpile composite samples (Composite North and Composite South) were collected on April 19, 2010 and submitted to ESS Laboratories located in Cranston, Rhode Island for analysis. The waste characterization sample (Roadway Stockpile) was collected on April 22, 2010 and was submitted to GZA's Environmental Chemistry Laboratory (ECL) located Hopkinton, Massachusetts for the following analytical testing: VOCs via EPA Method 8260B, SVOCs via EPA Method 8270C, polychlorinated biphenyls (PCBs) via EPA Method 8082, TPH via EPA Method 8100M, RCRA-8 Metals via EPA Method 6010B/7471A, total cyanide via EPA Method SW-846/9010 and reactivity (cyanide and sulfur). Based on the results of the pH and waste characterization testing, the segregated stockpile was determined to be non-hazardous (*i.e.,* pH was greater than 2 standard units). On May 25 2010, all stockpiled materials (51.83 tons) were transported off-Site to Environmental Soil Management, Inc. (ESMI) in Loudon, New Hampshire for thermal desorption. Please see Attachment B for analytical results and shipping records.

Due to the difficulties encountered in excavating the frozen roadway material to the appropriate depth, it was decided in January 2010 to suspend additional earthwork activities until the weather improved. The excavated area was lined with 20 mil polyethylene liner, and covered with an approximately 3-inch lift of bedding sand and an approximately 9-inch lift of processed material. Additional processed material was added to form a crown in the roadway to allow for proper runoff. All processed material was then

compacted using a vibratory compactor roller. The adjacent low-lying area to the south of the excavated roadway area was capped with a 20 mil polyethylene liner, and then covered with an approximate 3-inch lift of bedding sand and then an approximate 3-inch lift of trap rock. All further STRAP activities were suspended for the winter.

STRAP activities were re-initiated on May 3, 2010. Work began in the access road and low-lying area to the south of the roadway. Excavation and restoration activities proceeded to the east as shown in the shaded areas presented on Figure 2. Earthwork was completed by May 12, 2010.

With the exception of the limited areas where blue ash/organic material was encountered at depths of approximately 2 to 4-inches below grade, as depicted on Figure 2, excavation during the May 2010 Site work was extended down to approximately 1- foot below grade within the roadway and parking areas consistent with the January 2007 STRAP. The roadway cap was then installed as follows: placement of a 20 mil polyethylene liner, overlain with an approximate 3-inch thick lift of bedding sand and then an approximate 9-inch thick lift of processed material. In the area where only 2 to 4-inches of material excavated (Figure 2), the cap was modified to include the 20 mil polyethylene liner, an approximate 2-inch thick lift of bedding sand and an approximate 6-inch thick lift of processed material. Additional processed material was added to form a crown in the roadway to allow for proper runoff. All processed material was compacted using a vibratory compactor roller. In the low lying area to the south of the access road, a cap was placed over the existing surface soils consistent with the STRAP. This cap consisted of a 20 mil polyethylene liner, overlain with an approximately 3 inch lift of bedding sand and an approximately 3 inch lift of trap rock.

During the May 2010 Site activities, it was noted that certain limited areas of the adjacent low lying area located to the south and east of the original STRAP work limits contained blue-stained surface soils. Based on these observations, the cap over the existing low lying area adjacent to the roadway was extended approximately 50 feet east and 20 feet south for a length approximately 150 feet along the roadway beyond what was originally proposed in January 2007 STRAP. This area of additional capping was installed consistent with the other capped areas. GZA verbally notified Mr. Thomas Medeiros of CRMC regarding this modification as the additional capped area is located within the 200 foot CRMC jurisdictional limit. Based on this communication, the modification was acceptable to CRMC. Mr. Medeiros requested a brief description and sketch showing the additional cap areas for CRMC files, which was emailed to his attention on April 30, 2010.

Approximately 570 CY of material was excavated from the access roadway and parking area located south of the substation during this Short Term Response Action; approximately 230 CY was excavated during the January 2010 field work and approximately 340 CY was excavated during the May 2010 field work. All excavated material was relocated to the low lying area to the south of the roadway as described in the STRAP (refer to Figure 2). Materials which were relocated to this low lying area were graded to the extent practical to match the grade of the surrounding ground surface to limit the potential for erosion.

Following completion of the earthwork activities, a 6-foot high chain-link fence, with gates, was installed parallel to the roadway and restored cap areas. The fence extends for approximately 350 feet from the south western corner of the roadway cap to the existing fence that is parallel to the Seekonk River, as depicted on Figure 2.

IMPORTED SOIL/ANALYTICAL TESTING

Imported material used for this STRAP consisted of bedding sand (approximately 153 CY), processed gravel (approximately 561 CY) and 1-inch trap rock (approximately 51 CY). This material was used to construct the access road cap and low-lying area trap rock cap. The material was obtained from Material Sand Stone and Concrete (MSSC) of North Smithfield, Rhode Island.

In accordance with the RIDEM-approved STRAP, pre-characterization samples were collected of the imported bedding sand and processed gravel prior to transport to the Site. Samples were collected by TFord on January 7, 2010 and April 30, 2010 from MSSC to evaluate whether the material could be used for cap material. Consistent with RIDEM requirements, the material was tested for the following parameters at the specified sampling interval.

Analyte	EPA Method	Frequency of Testing
Total Petroleum Hydrocarbons (TPH)	8100M	One compliance sample of clean fill every 2,000 CY
Volatile Organic Compounds (VOCs)	8260B	One compliance sample of clean fill every 2,000 CY
Semi-Volatile Organic Compounds (SVOCs)	8270C	One compliance sample of clean fill every 2,000 CY
Priority Pollutant Metals (13)	6010 & 7471A	One compliance sample of clean fill every 2,000 CY
Arsenic	6010	One compliance sample of clean fill every 500 CY

For the volumes of bedding sand and processed gravel, one sample for TPH, VOCs, SVOCs and Priority Pollutant 13 metals were submitted for analysis. For the processed gravel, one additional soil sample was submitted for arsenic testing. Analytical results were compared to the Method 1 Residential Direct Exposure Criteria (R-DEC) to evaluate its suitability for on-Site use as capping material. Laboratory testing results for all the soil capping samples were below the R-DEC. Copies of the laboratory reports are included as Attachment C.

DEVIATIONS FROM STRAP

As described previously, all STRAP activities were observed by GZA. Deviations from the original plan were as follows:

- Partially frozen, blue stained ash/organic-like materials were disturbed and could not be used as backfill due to the winter conditions. These materials were stockpiled separately and subsequently disposed off-Site at ESMI.

- The low lying cap located south of the roadway was extended approximately 50 feet east and 20 feet south for approximately 150 feet along the roadway to cover an additional approximate 4,550 square feet of observed blue stained materials.

SUMMARY

In GZA's opinion, the remedial activities have been completed in general accordance with the *Short Term Response Action Plan*. Accordingly we request the issuance of a No Further Action Letter for these completed response actions.

We trust this information fulfills your needs. If you have any questions or comments please feel free to call Margaret Kilpatrick 401-421-2719.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Margaret S. Kilpatrick, P.E.
Senior Project Manager

John P. Hartley
Project Reviewer

for
James J. Clark, P.E.
Principal

MSK/JJC:tja

Attachments:
Figure-1 *Locus Plan*
Figure-2 *Roadway Remediation Plan*
A- Photographs
B- Stockpile Analytical Data and Disposal Slips
C- Imported Material Analytical Data

cc: Michele Leone, National Grid

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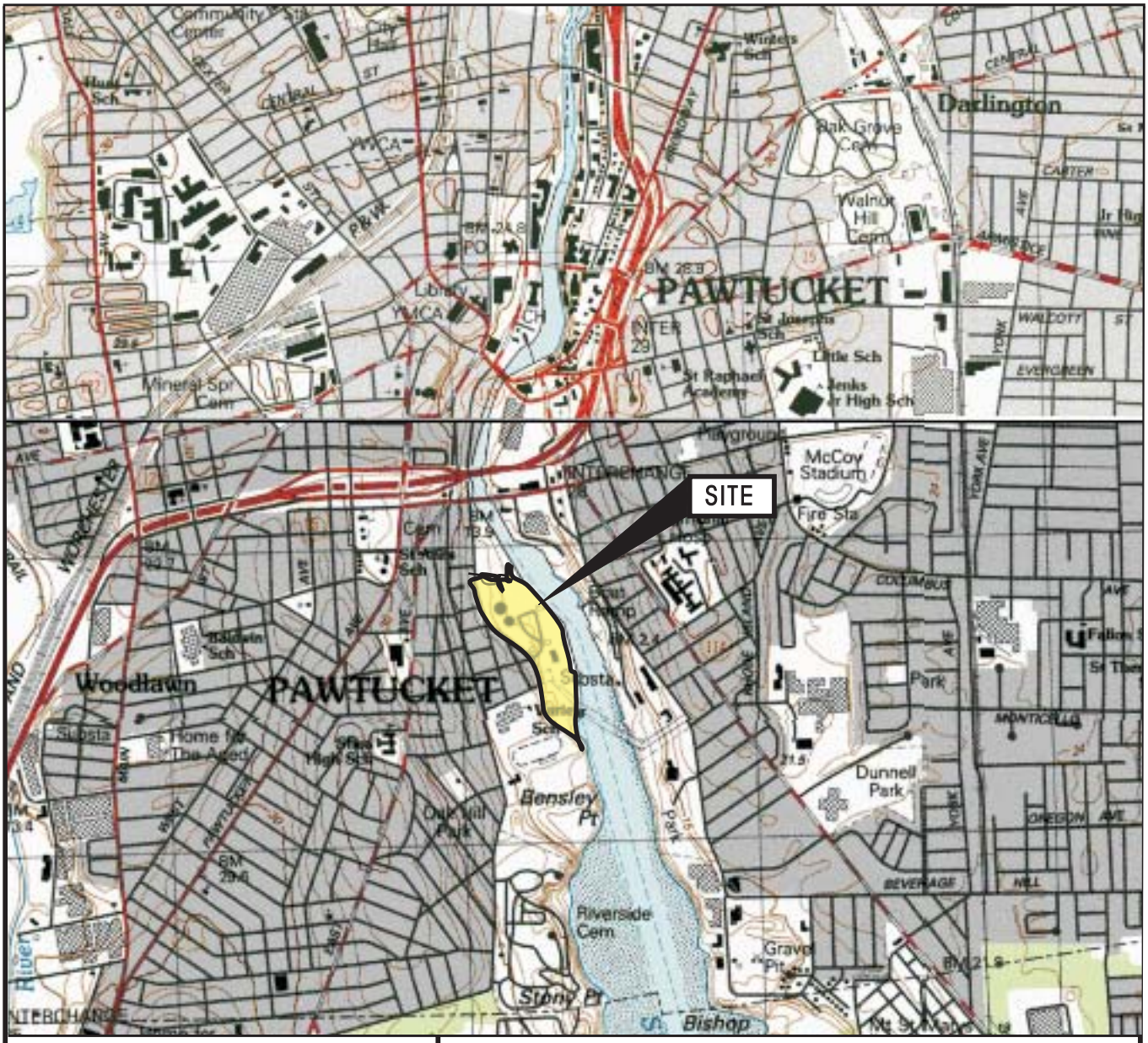
FIGURES



FROM USGS PROVIDENCE, RI QUADRANGLE MAP

(DIGITAL TOPOGRAPHIC MAPS PROVIDED BY MAPTECH, INC.)

(CONTOUR ELEVATIONS ARE IN METERS ABOVE NGVD, AT 3 METER INTERVALS)

APPROXIMATE SCALE IN FEET

0' 1200' 2400' 4800'

TIDEWATER FACILITY

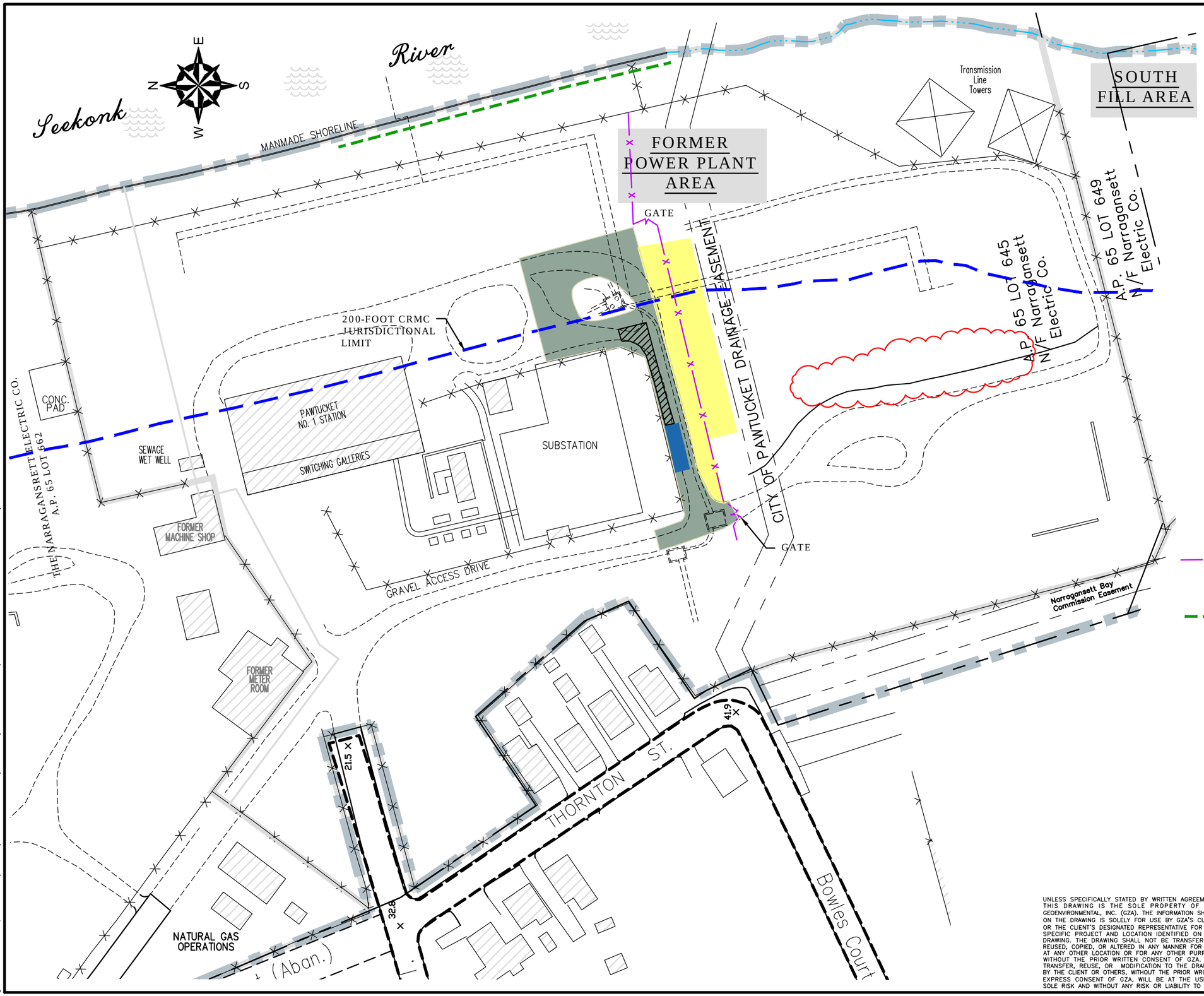
PAWTUCKET
RHODE ISLAND

LOCUS PLAN

JANUARY 2007

FIGURE NO. 1

FILE NO. 43654.00



LEGEND

- APPROXIMATE AREA OF ROADWAY AND PARKING AREA CAP (20 MIL GEOMEMBRANE OVERLAIN BY 2-3-INCHES OF BEDDING SAND AND A 6-9 INCH LIFT OF PROCESSED MATERIAL)
- APPROXIMATE AREA OF LOW LYING CAP (20 MIL GEOMEMBRANE OVERLAIN BY 3-INCHES OF BEDDING SAND AND A 3-INCH LIFT OF TRAP ROCK)
- APPROXIMATE AREA OF DISTURBED BLUE-STAINED ASH/ORGANIC LIKE MATERIAL (JAN. 2010)
- APPROXIMATE AREA WHERE BLUE-STAINED ASH/ORGANIC LIKE MATERIAL WAS ENCOUNTERED (MAY 2010)
- APPROXIMATE SOIL RELOCATION AREA
- APPROXIMATE LIMITS OF NEWLY INSTALLED 6 FOOT CHAIN LINK FENCE WITH GATES
- APPROXIMATE LIMITS OF EROSION/SEDIMENTATION CONTROLS INSTALLED FOR ROADWAY WORK

0 40' 80' 160'

GRAPHICS SCALE IN FEET (1"=80'±)

FORMER TIDEWATER FACILITY

PAWTUCKET, RHODE ISLAND

SHORT-TERM RESPONSE ACTION PLAN CLOSURE REPORT
MGP-RESIDUALS ROADWAY AND PARKING AREA

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists, 530 BROADWAY, PROVIDENCE, RHODE ISLAND 02909, (401) 421-4140		PREPARED FOR: NATIONAL GRID	
PROJ MGR: MSK	REVIEWED BY: MSK	CHECKED BY:	FIGURE 2
DESIGNED BY: MSK	DRAWN BY: CRB	SCALE: AS NOTED	SHEET NO.
DATE SEPT. 2010	PROJECT NO. 43654.00	REVISION NO.	

J:\ENV\43654.MSK\CADD\GZA DWGS\DWG'S FROM BLOOMFIELD\43654.00_F2_R0_SHORT TERM RAM PLAN CLOSURE REPORT

ATTACHMENT A

PHOTOGRAPHS

Photo No. 1 - Silt fence and hay bales installed down gradient of work area along fence adjacent to Seekonk River.

Photo No. 2 - T-Ford breaking up frost in roadway in western portion of work area (January 2010).

Photo No. 3 - Frost layer with blue-stained ash/organic like material encountered in January 2010.

Photo No. 4 - T-Ford spreading out processed gravel layer above bedding sand (January 2010).

Photo No. 5 - T-Ford spreading lift of trap rock over the low lying area located on the southern side of the roadway (January 2010)

Photo No. 6 - Restored roadway and low lying cap area at completion of work in January 2010.

Photo No. 7 - Segregated stockpile of blue-stained material located in soil relocation area (January 2010). Material placed on and covered with polyethylene sheeting.

Photo No. 8 - T-Ford continues excavating roadway in May 2010. Blue stained ash-organic like material within 2 to 3 inches ground surface within roadway area.

Photo No. 9 - T-Ford placing poly liner, bedding sand and processed material within eastern portion of work area in May 2010.

Photo No. 10 - T-Ford excavating roadway/parking areas in May 2010.

Photo No. 11 - T-Ford extending low lying area cap south and east of original work limits (May 2010).

Photo No. 12 - T-Ford grading and compacting roadway (May 2010).

Photo No. 13 - T-Ford regrading excavated roadway and parking area material within relocation area (May 2010). Blue-stained material stockpile from January 2010 work is located in the foreground.

Photo No. 14 - Finshed roadway and low lying area cap with fence.

Photo No. 15 - Finished roadway and parking area cap.

Photo No. 16 - Finished roadway and low lying area cap and fence.

Photo No. 17 - Finshed extended low lying area cap.

ATTACHMENT B

STOCKPILE ANALYTICAL DATA AND DISPOSAL SLIPS

Invoicing Report

Number	Date	Truck	Net Tons	
National Grid (Keyspan)				Customer Number: NG60
JOB #	**7196**			
259301	5/27/10	GLOBALR	32.05	tn
259303	5/27/10	ULTRA15	35.43	tn
			67.48	tn
JOB #	**7304**			
259222	5/26/10	DEY1	39.96	tn
259230	5/26/10	FORD42	39.59	tn
259244	5/26/10	DG08	36.27	tn
259245	5/26/10	HANSON	33.41	tn
259246	5/26/10	ULTRA16	38.76	tn
259247	5/26/10	GLOBALR	32.35	tn
259250	5/26/10	FORD42	40.74	tn
259252	5/26/10	DEY1	38.69	tn
259255	5/26/10	DG08	33.30	tn
259256	5/26/10	GLOBALR	31.17	tn
259259	5/26/10	HANSON	35.64	tn
[illegible]260	5/26/10	ULTRA16	41.60	tn
[illegible]261	5/26/10	FORD42	39.01	tn
259262	5/26/10	DEY1	41.04	tn
259264	5/26/10	DG08	34.26	tn
259266	5/26/10	GLOBALR	30.90	tn
259268	5/26/10	HANSON	36.73	tn
259269	5/26/10	ULTRA16	33.07	tn
259275	5/27/10	DEY1	34.44	tn
259277	5/27/10	EW101	20.33	tn
259278	5/27/10	FORD42	35.04	tn
259280	5/27/10	HANSON	34.04	tn
259281	5/27/10	DG03	33.78	tn
259287	5/27/10	ULTRA16	28.10	tn
259302	5/27/10	DEY1	33.44	tn
259305	5/27/10	FORD42	36.02	tn
259306	5/27/10	EW101	21.99	tn
259307	5/27/10	HANSON	32.10	tn
[illegible]309	5/27/10	ULTRA16	29.36	tn
[illegible]311	5/27/10	FORD42	33.48	tn
259313	5/27/10	EW101	23.34	tn
259314	5/27/10	DEY1	36.11	tn
259317	5/27/10	DG03	33.68	tn
259320	5/27/10	HANSON	32.10	tn
259321	5/27/10	ULTRA16	30.37	tn
259331	5/28/10	DEY1	35.42	tn
259333	5/28/10	HANSON	31.96	tn
259336	5/28/10	DEY1	36.53	tn
259339	5/28/10	HANSON	35.74	tn
			1,323.86	tn
JOB #	**7325**			
259206	5/25/10	DG08	32.24	tn
259207	5/25/10	ULTRA16	19.59	tn
			51.83	tn
National Grid (Keyspan)			**1,443.17**	tn COAL TAR

ESMI of N.H.
67 International Drive
(603)783-0228

Ticket No : 259207
Date : 5/25/2010

Loudon,NH 03307

Max. Acceptable Soil: 200.00

Customer: NG60
National Grid (Keyspan)
40 Sylvan Road

Waltham,MA 02451

Job No : 7925
Former Tidewater Facility
6 Thornton St.
Pawtucket RI

Running Tonnage: 51.80

Trucker:
ULTRA16 Ultragrade Enterprises #016

Gross : 74480 Scale 1 In 10:30:48AM
Tare : 35200 STORED Out

Net : 39280 lb
19.640

CT01 COAL TAR

Weigh Master: ANGELA

Driver:

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $
Total $

ESMI of N.H.
67 International Drive
(603)783-0228

Ticket No : 259206
Date : 5/25/2010

Loudon,NH 03307

Max. Acceptable Soil: 200.00

Customer: NG60
National Grid (Keyspan)
40 Sylvan Road

Waltham,MA 02451

Job No : 7925
Former Tidewater Facility
6 Thornton St.
Pawtucket RI

Running Tonnage: 32.24

Trucker:
DG08 D&G ENTERPRISES TRUCK #8

Gross : 98340 Scale 1 In 10:29:28AM
Tare : 33060 STORED Out

Net : 64280 lb
32.140

CT01 COAL TAR

Weigh Master: ANGELA

Driver:

Remarks: Thank You For Your Business

Material $
Delivery $
Misc $
Tax $
Total $

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. ______
Shipper's Bill of Lading No. ______
Consignee's Reference/PO No. ______
Carrier's Code (SCAC) ______

DT #8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;
at NAT. Grid 5/25 2010 From 6 Thorton st Pawtucket RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Drive, Loudon State NH Zip 03307 County ______ Delivery Address ★ ______

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route ______

Delivering Carrier DT Car or Vehicle Initials ______ No. 55873

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
DT	~~Non-Hazardous Contaminated Soil for Recycling~~	24	TN	
	ESMI | Aleagne			
	~~52~~ 32.24 TONS			
	5-25-10			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ ______ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per ______
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ ______

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding ______ per ______

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

______ Shipper, Per Tod Manella Agent, Per ______

Original – Not Negotiable

Shipper's Bill of Lading No. ______
Consignee's Reference/PO No. ______
Carrier's Code (SCAC) ______

ESMI

(Name of Carrier) Ultra Craft

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;
at National Grid 5-25 2010 From 6 Thornton St Pawtucket R.I.

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Drive, Loudon State NH Zip 03307 County ______ Delivery Address ★ ______

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route ______

Delivering Carrier Ultra Craft Car or Vehicle Initials AP1249 N.H No. 016

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling	Trailer		
	ESMI | Aleagne			
	19.59 TONS			
	5-25-10			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ ______ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

ATTACHMENT C

IMPORTED MATERIAL ANALYTICAL DATA

MATERIAL
NORTH SMITHFIELD, RI
SAND • STONE • CONCRETE

618 Greenville Road, North Smithfield, Rhode Island 02896
(401) 453-1110 • (401) 232-3010 • FAX (401) 767-2070

January 8, 2010

T. Ford Company, Inc.,
118 Tenney Street
Georgetown, Ma 01833

Attention; Dan Galante

Fax 978-352-7943

Re; National Grid, Pawtucket, R. I

Dear Mr. Galante;

Per your request please be advised that the common fill borrow product to be delivered to the above mentioned project is a single source material originating in our gravel pit in North Smithfield, R. I. It does not contain any foreign or deleterious materials.

Please call me if there are any further questions.

Very truly yours;

Robert D Babine

Robert Babine, Technical Director, 401-639-4168, robertbabine@materialconcrete.com

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

January 12, 2010

FOR: Attn: Mr. Dan Galante
T Ford Company
118 Tenne Street
Georgetown, MA 01833

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	DG	01/07/10	8:00
Location Code:	TFORD	Received by:	SW	01/07/10	15:40
Rush Request:	RUSH#	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAS65427
Phoenix ID: AS65427

Project ID: TIDEWATER STRAP
Client ID: BEDDING SAND

Parameter	Result	RL	Units	Date	Time	By	Reference	
Silver	< 1.7	1.7	mg/Kg	01/08/10		EK	SW6010	
Arsenic	< 3.4	3.4	mg/Kg	01/08/10		EK	SW6010	
Beryllium	< 0.4	0.4	mg/Kg	01/08/10		EK	SW6010	
Cadmium	< 1.7	1.7	mg/Kg	01/08/10		EK	SW6010	
Chromium	< 1.7	1.7	mg/Kg	01/08/10		EK	SW6010	
Copper	2.9	1.7	mg/kg	01/08/10		EK	SW6010	
Mercury	< 0.07	0.07	mg/Kg	01/08/10		RS	SW-7471	
Nickel	1.8	1.7	mg/Kg	01/08/10		EK	SW6010	
Lead	8.5	1.7	mg/Kg	01/08/10		EK	SW6010	
Antimony	< 10	10	mg/Kg	01/08/10		EK	SW6010	
Selenium	< 6.9	6.9	mg/Kg	01/08/10		EK	SW6010	
Thallium	< 5	5	mg/Kg	01/08/10		EK	SW6010	
Zinc	16.9	1.7	mg/Kg	01/08/10		EK	SW6010	
Percent Solid	96		%	01/07/10		M / JL	E160.3	
Soil Extraction for SVOA	Completed			01/07/10		SS/D	SW3545	
Mercury Digestion	Completed			01/08/10		K	SW7471	
Total Metals Digest	Completed			01/07/10		C	SW846 - 3050	
Extraction of TPH SM	Completed			01/07/10		SS/D	3545/3550	
Field Extraction	Completed			01/07/10		DG	SW5035	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	01/07/10		R/J	SW8260	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260	
1,1-Dichloroethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260	
1,1-Dichloroethene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260	
1,1-Dichloropropene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260	

Project ID: TIDEWATER STRAP
Client ID: BEDDING SAND

Phoenix I.D.: AS65427

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2,3-Trichloropropane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
2-Hexanone	ND	25	ug/Kg	01/07/10		R/J	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	01/07/10		R/J	SW8260
Acetone	ND	100	ug/Kg	01/07/10		R/J	SW8260
Acrylonitrile	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Benzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Bromobenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Bromochloromethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Bromodichloromethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Bromoform	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Bromomethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Carbon tetrachloride	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Chlorobenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Chloroethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Chloroform	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Chloromethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	01/07/10		R/J	SW8260
Dibromoethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Dibromomethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Ethylbenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Hexachlorobutadiene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Isopropylbenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
m&p-Xylene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	01/07/10		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	01/07/10		R/J	SW8260
Methylene chloride	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Naphthalene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
n-Butylbenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
n-Propylbenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
o-Xylene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
p-Isopropyltoluene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
sec-Butylbenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Styrene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260

Project ID: TIDEWATER STRAP
Client ID: BEDDING SAND

Phoenix I.D.: AS65427

Parameter	Result	RL	Units	Date	Time	By	Reference
tert-Butylbenzene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Tetrachloroethene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	01/07/10		R/J	SW8260
Toluene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Total Xylenes	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	01/07/10		R/J	SW8260
Trichloroethene	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Trichlorofluoromethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Trichlorotrifluoroethane	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
Vinyl chloride	ND	5.0	ug/Kg	01/07/10		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	01/07/10		R/J	SW8260
% Bromofluorobenzene	93		%	01/07/10		R/J	SW8260
% Dibromofluoromethane	105		%	01/07/10		R/J	SW8260
% Toluene-d8	98		%	01/07/10		R/J	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	240	ug/Kg	01/08/10		HM	SW 8270
1,2,4-Trichlorobenzene	ND	240	ug/Kg	01/08/10		HM	SW 8270
1,2-Dichlorobenzene	ND	240	ug/Kg	01/08/10		HM	SW 8270
1,3-Dichlorobenzene	ND	240	ug/Kg	01/08/10		HM	SW 8270
1,4-Dichlorobenzene	ND	240	ug/Kg	01/08/10		HM	SW 8270
2,4,5-Trichlorophenol	ND	240	ug/Kg	01/08/10		HM	SW 8270
2,4,6-Trichlorophenol	ND	240	ug/Kg	01/08/10		HM	SW 8270
2,4-Dichlorophenol	ND	240	ug/Kg	01/08/10		HM	SW 8270
2,4-Dimethylphenol	ND	240	ug/Kg	01/08/10		HM	SW 8270
2,4-Dinitrophenol	ND	550	ug/Kg	01/08/10		HM	SW 8270
2,4-Dinitrotoluene	ND	240	ug/Kg	01/08/10		HM	SW 8270
2,6-Dinitrotoluene	ND	240	ug/Kg	01/08/10		HM	SW 8270
2-Chloronaphthalene	ND	240	ug/Kg	01/08/10		HM	SW 8270
2-Chlorophenol	ND	240	ug/Kg	01/08/10		HM	SW 8270
2-Methylnaphthalene	ND	240	ug/Kg	01/08/10		HM	SW 8270
2-Methylphenol (o-cresol)	ND	240	ug/Kg	01/08/10		HM	SW 8270
2-Nitroaniline	ND	550	ug/Kg	01/08/10		HM	SW 8270
2-Nitrophenol	ND	240	ug/Kg	01/08/10		HM	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	01/08/10		HM	SW 8270
3,3'-Dichlorobenzidine	ND	410	ug/Kg	01/08/10		HM	SW 8270
3-Nitroaniline	ND	550	ug/Kg	01/08/10		HM	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	01/08/10		HM	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	01/08/10		HM	SW 8270
4-Chloro-3-methylphenol	ND	240	ug/Kg	01/08/10		HM	SW 8270
4-Chloroaniline	ND	240	ug/Kg	01/08/10		HM	SW 8270
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	01/08/10		HM	SW 8270
4-Nitroaniline	ND	550	ug/Kg	01/08/10		HM	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	01/08/10		HM	SW 8270
Acenaphthene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Acenaphthylene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Acetophenone	ND	240	ug/Kg	01/08/10		HM	SW 8270
Aniline	ND	1000	ug/Kg	01/08/10		HM	SW 8270

Project ID: TIDEWATER STRAP
Client ID: BEDDING SAND

Phoenix I.D.: AS65427

Parameter	Result	RL	Units	Date	Time	By	Reference
Anthracene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Azobenzene	ND	340	ug/Kg	01/08/10		HM	SW 8270
Benz(a)anthracene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Benzidine	ND	410	ug/Kg	01/08/10		HM	SW 8270
Benzo(a)pyrene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Benzo(b)fluoranthene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Benzo(ghi)perylene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Benzo(k)fluoranthene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Benzoic acid	ND	1000	ug/Kg	01/08/10		HM	SW 8270
Benzyl butyl phthalate	ND	240	ug/Kg	01/08/10		HM	SW 8270
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	01/08/10		HM	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	01/08/10		HM	SW 8270
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	01/08/10		HM	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	01/08/10		HM	SW 8270
Carbazole	ND	1000	ug/Kg	01/08/10		HM	SW 8270
Chrysene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Dibenzofuran	ND	240	ug/Kg	01/08/10		HM	SW 8270
Diethyl phthalate	ND	240	ug/Kg	01/08/10		HM	SW 8270
Dimethylphthalate	ND	240	ug/Kg	01/08/10		HM	SW 8270
Di-n-butylphthalate	ND	240	ug/Kg	01/08/10		HM	SW 8270
Di-n-octylphthalate	ND	240	ug/Kg	01/08/10		HM	SW 8270
Fluoranthene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Fluorene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Hexachlorobenzene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Hexachlorobutadiene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Hexachloroethane	ND	240	ug/Kg	01/08/10		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Isophorone	ND	240	ug/Kg	01/08/10		HM	SW 8270
Naphthalene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Nitrobenzene	ND	240	ug/Kg	01/08/10		HM	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	01/08/10		HM	SW 8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	01/08/10		HM	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	01/08/10		HM	SW 8270
Pentachloronitrobenzene	ND	340	ug/Kg	01/08/10		HM	SW 8270
Pentachlorophenol	ND	340	ug/Kg	01/08/10		HM	SW 8270
Phenanthrene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Phenol	ND	240	ug/Kg	01/08/10		HM	SW 8270
Pyrene	ND	240	ug/Kg	01/08/10		HM	SW 8270
Pyridine	ND	340	ug/Kg	01/08/10		HM	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	94		%	01/08/10		HM	SW 8270
% 2-Fluorobiphenyl	69		%	01/08/10		HM	SW 8270
% 2-Fluorophenol	70		%	01/08/10		HM	SW 8270
% Nitrobenzene-d5	69		%	01/08/10		HM	SW 8270
% Phenol-d5	72		%	01/08/10		HM	SW 8270
% Terphenyl-d14	56		%	01/08/10		HM	SW 8270
TPH by GC (Extractable Products)							
Fuel Oil #2 / Diesel Fuel	ND	69	mg/kg	01/08/10		JRB	8015DRO

Project ID: TIDEWATER STRAP
Client ID: BEDDING SAND

Phoenix I.D.: AS65427

Parameter	Result	RL	Units	Date	Time	By	Reference
Fuel Oil #4	ND	69	mg/kg	01/08/10		JRB	8015DRO
Fuel Oil #6	ND	69	mg/kg	01/08/10		JRB	8015DRO
Kerosene	ND	69	mg/kg	01/08/10		JRB	8015DRO
Motor Oil	ND	69	mg/kg	01/08/10		JRB	8015DRO
Other Oil (Cutting & Lubricating)	ND	69	mg/kg	01/08/10		JRB	8015DRO
Unidentified	ND	69	mg/kg	01/08/10		JRB	8015DRO
QA/QC Surrogates							
% n-Pentacosane	61		%	01/08/10		JRB	8015DRO

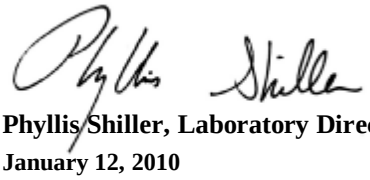
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director
January 12, 2010

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

January 12, 2010

FOR: Attn: Mr. Dan Galante
T Ford Company
118 Tenne Street
Georgetown, MA 01833

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	DG	01/07/10	8:00
Location Code:	TFORD	Received by:	SW	01/07/10	15:40
Rush Request:	RUSH#	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAS65427
Phoenix ID: AS65428

Project ID: TIDEWATER STRAP
Client ID: PROCESSED

Parameter	Result	RL	Units	Date	Time	By	Reference	
Silver	< 1.7	1.7	mg/Kg	01/08/10		EK	SW6010	
Arsenic	< 3.4	3.4	mg/Kg	01/08/10		EK	SW6010	
Beryllium	< 0.4	0.4	mg/Kg	01/08/10		EK	SW6010	
Cadmium	< 1.7	1.7	mg/Kg	01/08/10		EK	SW6010	
Chromium	< 1.7	1.7	mg/Kg	01/08/10		EK	SW6010	
Copper	3.5	1.7	mg/kg	01/08/10		EK	SW6010	
Mercury	< 0.06	0.06	mg/Kg	01/08/10		RS	SW-7471	
Nickel	< 1.7	1.7	mg/Kg	01/08/10		EK	SW6010	
Lead	2.4	1.7	mg/Kg	01/08/10		EK	SW6010	
Antimony	< 10	10	mg/Kg	01/08/10		EK	SW6010	
Selenium	< 6.8	6.8	mg/Kg	01/08/10		EK	SW6010	
Thallium	< 5	5	mg/Kg	01/08/10		EK	SW6010	
Zinc	53.1	1.7	mg/Kg	01/08/10		EK	SW6010	
Percent Solid	100	1	%	01/08/10		M / JL	E160.3	
Soil Extraction for SVOA	Completed			01/07/10		SS/D	SW3545	
Mercury Digestion	Completed			01/08/10		K	SW7471	
Total Metals Digest	Completed			01/07/10		C	SW846 - 3050	
Extraction of TPH SM	Completed			01/07/10		SS/D	3545/3550	
Field Extraction	Completed			01/07/10		DG	SW5035	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260	
1,1,1-Trichloroethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	2.8	ug/Kg	01/07/10		R/J	SW8260	
1,1,2-Trichloroethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260	
1,1-Dichloroethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260	
1,1-Dichloroethene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260	
1,1-Dichloropropene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260	

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Parameter	Result	RL	Units	Date	Time	By	Reference
1,2,3-Trichloropropane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
1,2,4-Trichlorobenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
1,2,4-Trimethylbenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
1,2-Dichlorobenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
1,2-Dichloroethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
1,2-Dichloropropane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
1,3,5-Trimethylbenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
1,3-Dichlorobenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
1,3-Dichloropropane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
1,4-Dichlorobenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
2,2-Dichloropropane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
2-Chlorotoluene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
2-Hexanone	ND	24	ug/Kg	01/07/10		R/J	SW8260
2-Isopropyltoluene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
4-Chlorotoluene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
4-Methyl-2-pentanone	ND	24	ug/Kg	01/07/10		R/J	SW8260
Acetone	ND	94	ug/Kg	01/07/10		R/J	SW8260
Acrylonitrile	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Benzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Bromobenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Bromochloromethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Bromodichloromethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Bromoform	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Bromomethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Carbon Disulfide	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Carbon tetrachloride	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Chlorobenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Chloroethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Chloroform	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Chloromethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
cis-1,2-Dichloroethene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
cis-1,3-Dichloropropene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Dibromochloromethane	ND	2.8	ug/Kg	01/07/10		R/J	SW8260
Dibromoethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Dibromomethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Dichlorodifluoromethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Ethylbenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Hexachlorobutadiene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Isopropylbenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
m&p-Xylene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Methyl Ethyl Ketone	ND	28	ug/Kg	01/07/10		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	9.4	ug/Kg	01/07/10		R/J	SW8260
Methylene chloride	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Naphthalene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
n-Butylbenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
n-Propylbenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
o-Xylene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
p-Isopropyltoluene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
sec-Butylbenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Styrene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260

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Parameter	Result	RL	Units	Date	Time	By	Reference
tert-Butylbenzene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Tetrachloroethene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Tetrahydrofuran (THF)	ND	9.4	ug/Kg	01/07/10		R/J	SW8260
Toluene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Total Xylenes	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
trans-1,2-Dichloroethene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
trans-1,3-Dichloropropene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	9.4	ug/Kg	01/07/10		R/J	SW8260
Trichloroethene	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Trichlorofluoromethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Trichlorotrifluoroethane	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
Vinyl chloride	ND	4.7	ug/Kg	01/07/10		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	01/07/10		R/J	SW8260
% Bromofluorobenzene	96		%	01/07/10		R/J	SW8260
% Dibromofluoromethane	89		%	01/07/10		R/J	SW8260
% Toluene-d8	95		%	01/07/10		R/J	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	230	ug/Kg	01/08/10		HM	SW 8270
1,2,4-Trichlorobenzene	ND	230	ug/Kg	01/08/10		HM	SW 8270
1,2-Dichlorobenzene	ND	230	ug/Kg	01/08/10		HM	SW 8270
1,3-Dichlorobenzene	ND	230	ug/Kg	01/08/10		HM	SW 8270
1,4-Dichlorobenzene	ND	230	ug/Kg	01/08/10		HM	SW 8270
2,4,5-Trichlorophenol	ND	230	ug/Kg	01/08/10		HM	SW 8270
2,4,6-Trichlorophenol	ND	230	ug/Kg	01/08/10		HM	SW 8270
2,4-Dichlorophenol	ND	230	ug/Kg	01/08/10		HM	SW 8270
2,4-Dimethylphenol	ND	230	ug/Kg	01/08/10		HM	SW 8270
2,4-Dinitrophenol	ND	530	ug/Kg	01/08/10		HM	SW 8270
2,4-Dinitrotoluene	ND	230	ug/Kg	01/08/10		HM	SW 8270
2,6-Dinitrotoluene	ND	230	ug/Kg	01/08/10		HM	SW 8270
2-Chloronaphthalene	ND	230	ug/Kg	01/08/10		HM	SW 8270
2-Chlorophenol	ND	230	ug/Kg	01/08/10		HM	SW 8270
2-Methylnaphthalene	ND	230	ug/Kg	01/08/10		HM	SW 8270
2-Methylphenol (o-cresol)	ND	230	ug/Kg	01/08/10		HM	SW 8270
2-Nitroaniline	ND	530	ug/Kg	01/08/10		HM	SW 8270
2-Nitrophenol	ND	230	ug/Kg	01/08/10		HM	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	01/08/10		HM	SW 8270
3,3'-Dichlorobenzidine	ND	400	ug/Kg	01/08/10		HM	SW 8270
3-Nitroaniline	ND	530	ug/Kg	01/08/10		HM	SW 8270
4,6-Dinitro-2-methylphenol	ND	970	ug/Kg	01/08/10		HM	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	01/08/10		HM	SW 8270
4-Chloro-3-methylphenol	ND	230	ug/Kg	01/08/10		HM	SW 8270
4-Chloroaniline	ND	230	ug/Kg	01/08/10		HM	SW 8270
4-Chlorophenyl phenyl ether	ND	230	ug/Kg	01/08/10		HM	SW 8270
4-Nitroaniline	ND	530	ug/Kg	01/08/10		HM	SW 8270
4-Nitrophenol	ND	970	ug/Kg	01/08/10		HM	SW 8270
Acenaphthene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Acenaphthylene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Acetophenone	ND	230	ug/Kg	01/08/10		HM	SW 8270
Aniline	ND	970	ug/Kg	01/08/10		HM	SW 8270

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Parameter	Result	RL	Units	Date	Time	By	Reference
Anthracene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Azobenzene	ND	330	ug/Kg	01/08/10		HM	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Benzidine	ND	400	ug/Kg	01/08/10		HM	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Benzo(b)fluoranthene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Benzoic acid	ND	970	ug/Kg	01/08/10		HM	SW 8270
Benzyl butyl phthalate	ND	230	ug/Kg	01/08/10		HM	SW 8270
Bis(2-chloroethoxy)methane	ND	230	ug/Kg	01/08/10		HM	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	01/08/10		HM	SW 8270
Bis(2-chloroisopropyl)ether	ND	230	ug/Kg	01/08/10		HM	SW 8270
Bis(2-ethylhexyl)phthalate	ND	230	ug/Kg	01/08/10		HM	SW 8270
Carbazole	ND	970	ug/Kg	01/08/10		HM	SW 8270
Chrysene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Dibenzofuran	ND	230	ug/Kg	01/08/10		HM	SW 8270
Diethyl phthalate	ND	230	ug/Kg	01/08/10		HM	SW 8270
Dimethylphthalate	ND	230	ug/Kg	01/08/10		HM	SW 8270
Di-n-butylphthalate	ND	230	ug/Kg	01/08/10		HM	SW 8270
Di-n-octylphthalate	ND	230	ug/Kg	01/08/10		HM	SW 8270
Fluoranthene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Fluorene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Hexachlorobenzene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Hexachlorobutadiene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Hexachlorocyclopentadiene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Hexachloroethane	ND	230	ug/Kg	01/08/10		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Isophorone	ND	230	ug/Kg	01/08/10		HM	SW 8270
Naphthalene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Nitrobenzene	ND	230	ug/Kg	01/08/10		HM	SW 8270
N-Nitrosodimethylamine	ND	330	ug/Kg	01/08/10		HM	SW 8270
N-Nitrosodi-n-propylamine	ND	230	ug/Kg	01/08/10		HM	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	01/08/10		HM	SW 8270
Pentachloronitrobenzene	ND	330	ug/Kg	01/08/10		HM	SW 8270
Pentachlorophenol	ND	330	ug/Kg	01/08/10		HM	SW 8270
Phenanthrene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Phenol	ND	230	ug/Kg	01/08/10		HM	SW 8270
Pyrene	ND	230	ug/Kg	01/08/10		HM	SW 8270
Pyridine	ND	330	ug/Kg	01/08/10		HM	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	62		%	01/08/10		HM	SW 8270
% 2-Fluorobiphenyl	44		%	01/08/10		HM	SW 8270
% 2-Fluorophenol	47		%	01/08/10		HM	SW 8270
% Nitrobenzene-d5	46		%	01/08/10		HM	SW 8270
% Phenol-d5	49		%	01/08/10		HM	SW 8270
% Terphenyl-d14	36		%	01/08/10		HM	SW 8270
TPH by GC (Extractable Products)							
Fuel Oil #2 / Diesel Fuel	ND	66	mg/kg	01/08/10		JRB	8015DRO

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Parameter	Result	RL	Units	Date	Time	By	Reference
Fuel Oil #4	ND	66	mg/kg	01/08/10		JRB	8015DRO
Fuel Oil #6	ND	66	mg/kg	01/08/10		JRB	8015DRO
Kerosene	ND	66	mg/kg	01/08/10		JRB	8015DRO
Motor Oil	ND	66	mg/kg	01/08/10		JRB	8015DRO
Other Oil (Cutting & Lubricating)	ND	66	mg/kg	01/08/10		JRB	8015DRO
Unidentified	ND	66	mg/kg	01/08/10		JRB	8015DRO
QA/QC Surrogates							
% n-Pentacosane	62		%	01/08/10		JRB	8015DRO

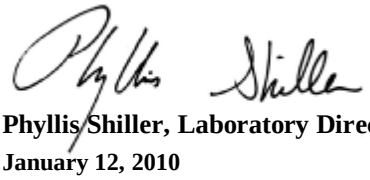
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director
January 12, 2010

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 03, 2010

FOR: Attn: Mr. Dan Galante
T Ford Company
118 Tenne Street
Georgetown, MA 01833

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	DG	04/30/10	8:30
Location Code:	TFORD	Received by:	LDF	04/30/10	9:30
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GAS99772
Phoenix ID: AS99772

Project ID: TIDEWATER STRAP

Client ID: PROCESSED

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	4.1	0.7	mg/Kg	05/01/10		J/E	SW6010
Percent Solid	95		%	04/30/10		M / JL	E160.3
Total Metals Digest	Completed			04/30/10		C/AG	SW846 - 3050

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
May 03, 2010