

April 14, 2011  
Job No. 05.0043654.30-C



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

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

Mr. James Ball  
Rhode Island Department of Environmental Management  
Office of Emergency Response  
235 Promenade Street  
Providence, RI 02908-5767

Re: Release Notification  
Gas Regulator Station  
Former Tidewater Facility  
200 Taft Street  
Pawtucket, Rhode Island

Dear Messrs. Martella and Ball:

On behalf of our Client, The Narragansett Electric Company d/b/a National Grid (National Grid), GZA GeoEnvironmental, Inc. (GZA), is providing this written notice of a release that occurred at the former Tidewater Facility in Pawtucket, Rhode Island (Site) in accordance with the Rhode Island Department of Environmental Management (RIDEM) Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases (Remediation Regulations), Section 5.00. The RIDEM Hazardous Material Release Notification Form has been completed and is attached as Appendix A. This release notification was prepared as a result of the detection of polychlorinated biphenyls (PCBs) and total petroleum hydrocarbons (TPH) in excess of the Method Soil Objectives in a surficial soil sample collected within the fenced active natural gas regulator station area located at the terminus of Tidewater and Merry Street. A site *Locus Plan* is provided as Figure 1. Figure 2 presents the approximate location of the surface soil sample.

A Hazardous Building Material Assessment survey was completed on March 15, 2011 by Coneco Engineers and Scientists, Incorporated (Coneco) of Bridgewater, Massachusetts on behalf of National Grid in preparation for the proposed natural gas regulator station upgrades. During the March 15, 2011 survey, Coneco collected a discrete soil sample from an area of surface soil staining situated adjacent to/beneath a metal riser pipe associated with the natural gas operations. The soil sample was collected from immediately beneath an area of surficial staining and leaf litter situated in the vicinity of the pipe. The representative soil sample was collected continuously from 0 to 3 inches below existing surface grade. The surface soil sample (RB-E/SOIL-01) was submitted for PCB analysis via EPA Method 8082 using a manual Soxhlet extraction per EPA Method 3540 and total petroleum hydrocarbons (TPH) via EPA Method 8100M. The surface soil sample location is presented on Figure 2. Representative photographs of the area of surface soil staining and metal riser pipe are also attached.



Results of surface soil sample RB-E/SOIL-01 were presented to National Grid on March 25, 2011. As summarized on Figure 2, results indicate the presence of TPH and PCBs at concentrations of 132,000 and 3,178 mg/kg, respectively. These concentrations are in excess of the RIDEM Method 1 Upper Concentration Limit (UCL) for TPH (30,000 mg/kg) and Industrial/Commercial Direct Exposure Criterion (I/C-DEC) for PCBs (10 mg/kg).

The observed impacts appear to be related to this former process pipe which was associated with the natural gas regulating station (as opposed to the former Manufactured Gas Plant (MGP) and power plant operations or the on-going electrical substation activities). As such, National Grid has elected to submit this release notification package associated with the recent surface soil sampling. National Grid will conduct additional investigations to further characterize this area and will address these impacts consistent with the requirements of the Remediation Regulations and the federal Toxic Substance and Control Act (40 CFR Part 761). The metal pipe/valve assembly does not appear to be actively leaking material. However, based on field observations and while the characterization work is pending, National Grid has wrapped the valve so that no additional release to the environment will take place.

Should you have any questions or require additional information, please do not hesitate to contact Meg Kilpatrick at (401) 421-4140 or Beverly Auxford-Paiva at (401) 784-7490. Thank you for your attention to this matter.

Very truly yours,

GZA GeoEnvironmental, Inc.

A handwritten signature in blue ink, appearing to read 'Margaret S. Kilpatrick'.

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

A handwritten signature in blue ink, appearing to read 'John P. Hartley'.

John P. Hartley  
Reviewer

A handwritten signature in blue ink, appearing to read 'James J. Clark'.

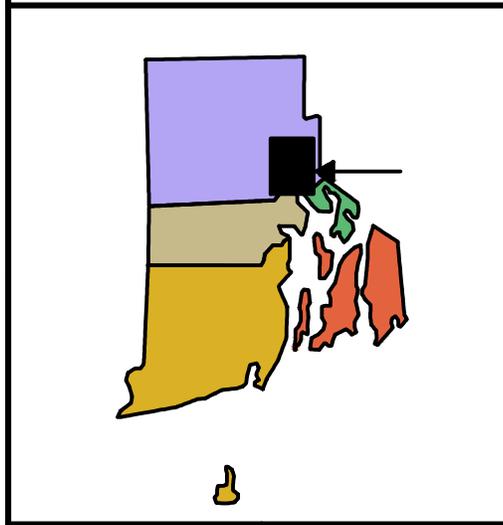
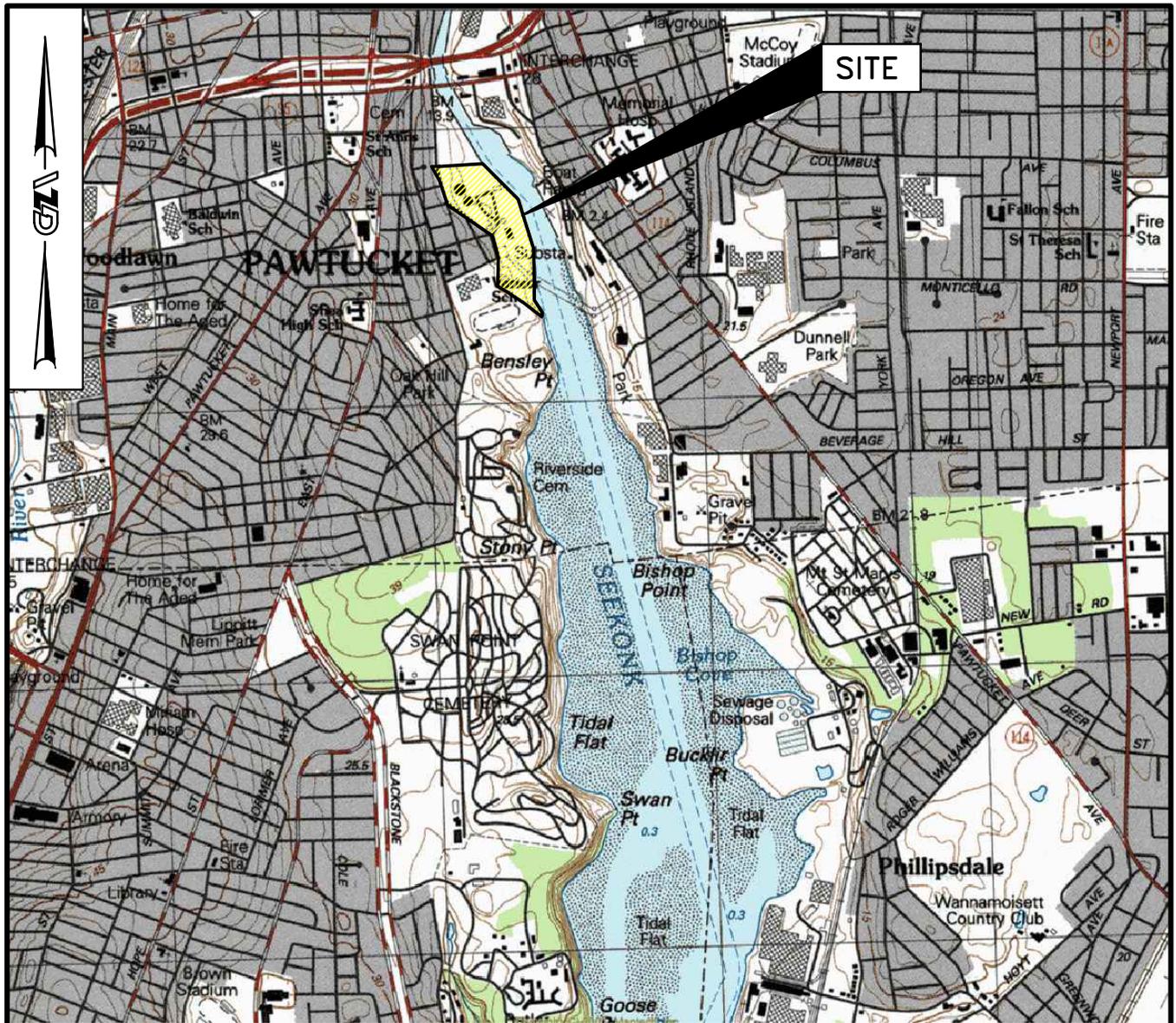
James J. Clark, P.E.  
Principal

MSK/JJC:tja

Attachments: Figure 1- Locus Map  
Figure 2- Sample Location Plan  
Photos  
Attachment A: Hazardous Material Release Notification Form

cc: Michele Leone, National Grid  
Beverly Auxford-Paiva, National Grid  
Peter Harley, National Grid

© 2010 - GZA GeoEnvironmental, Inc. GZA-J:\ENV\43654.ms\k\CADD\GZA DWGS\43654 LOCUS PLAN.dwg [LOCUS PLAN] April 13, 2011 - 2:33pm carl.berghden

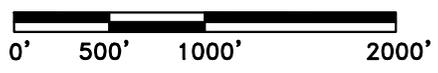


**BASE MAP FROM THE FOLLOWING USGS QUADRANGLE MAP:  
PROVIDENCE, RI (2001)**

DIGITAL TOPOGRAPHIC MAPS PROVIDED BY MAPTECH. INC.

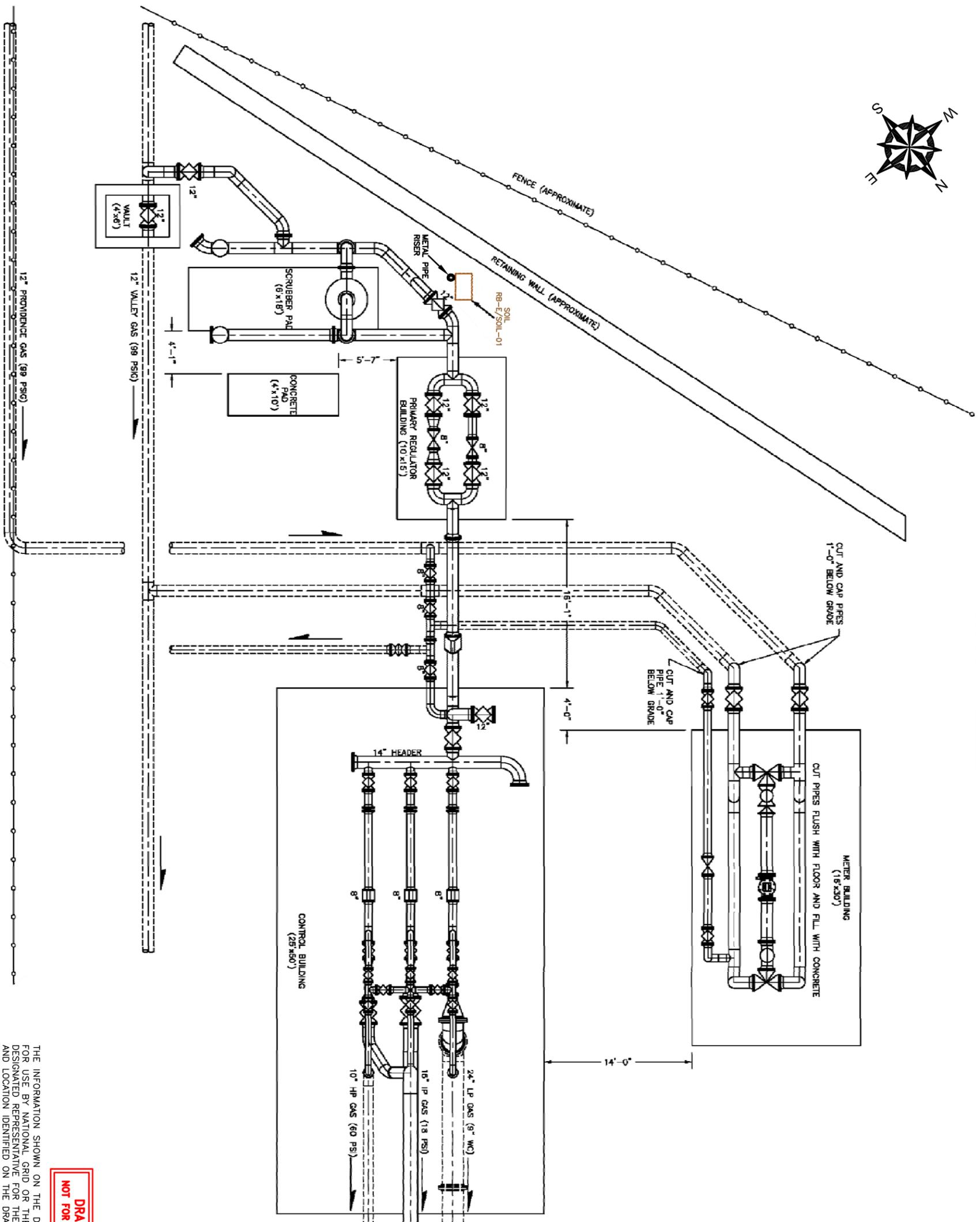
CONTOUR ELEVATIONS REFERENCE NGVD 29,  
CONTOURS ARE SHOWN IN METERS ABOVE NGVD AT 3 METER INTERVALS

APPROXIMATE SCALE IN FEET



TIDEWATER FACILITY  
PAWTUCKET, RHODE ISLAND

LOCUS PLAN  
APRIL 2011  
FIGURE NO. 1



SOIL ANALYTICAL RESULTS			
ANALYTE	RB-E/SOIL-01	INDUSTRIAL/COMMERCIAL	GB LEACHABILITY
	(0-3")	EXPOSURE CRITERIA	
TPH	132,000	2,500	2,500
TOTAL POBS	3,178	10	10

**GENERAL NOTES:**

1. BASE MAP DEVELOPED FROM ELECTRONIC FILES FROM COLER & COLANTONIO ENTITLED "FINAL TIDEWATER STREET REDESIGN EXISTING CONDITIONS PLAN", ORIGINAL SCALE 1"=5', DATED 12/31/10 REV. B ISSUED FOR BID, SHEET No. 15-596-G-004.
2. SOIL SAMPLE DATA TAKEN FROM ELECTRONIC PDF FROM CONECO ENTITLED "ENVIRONMENTAL SITE PLAN, DATED 3/26/11", ORIGINAL SCALE 1"=10', SHEET NO. 2.



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<b>TIDEWATER FACILITY</b>		<b>PAWTUCKET, RHODE ISLAND</b>	
<b>SAMPLING LOCATION PLAN</b>			
<b>NATURAL GAS REGULATOR STATION</b>			
PREPARED BY: <b>GZA Geoscientific, Inc.</b> ENGINEERS AND SCIENTISTS PROVIDENCE, RHODE ISLAND 02909 (401) 421-4140	PREPARED FOR: <b>nationalgrid</b>	PROJ. NO.: MSK DESIGNED BY: SMA DATE: APRIL 2011	REVIEWED BY: JPH DRAWN BY: CRB PROJECT NO.: 43664.30 CHECKED BY: SCALE: 1"=10' REVISION NO.: FIGURE <b>2</b>



Photo 1: View looking towards south along retaining wall with metal riser pipe/valve assembly in foreground. Area of surface soil staining along base of retaining wall (area of disturbed leaf litter adjacent to riser).



Photo 2: Photograph of metal riser pipe/valve assembly.

**OFFICE OF WASTE MANAGEMENT  
SITE REMEDIATION SECTION  
HAZARDOUS MATERIAL RELEASE NOTIFICATION FORM  
THIS FORM IS NOT TO BE USED TO REPORT AN IMMINENT HAZARD**

1. Notifier Information

Name: The Narragansett Electric Company d/b/a National Grid (National Grid)

Contact: Beverly Auxford-Paiva, Lead Environmental Engineer

New England South Division

Address: 280 Melrose Street, Providence, Rhode Island 02907

Phone: 401-784-7490

Status: Owner

2. Property Information

Name of Site: Former Tidewater Facility

Site Address: 200 Taft Street, Pawtucket, Rhode Island

Plat/Lot Numbers: A.P 65B, Lot 662

Site Contact Person: Beverly Auxford-Paiva

Site Contact Phone: 401-784-7490

Site Land Usage Type: Industrial/Commercial (fenced, active natural gas regulator station)

Location of Release: See Attached Plan

3. Release Information

Date of Discovery: March 25, 2011

Source: Natural Gas Regulating Station Operations

Release Media: Surface Soils

Hazardous Materials and Concentrations: TPH (132,000 mg/kg); PCBs (3,178 mg/kg)

Extent of Contamination: Characterization sampling work on-going. Results pending.

4. Resource Information

Site Land Usage: Industrial/Commercial (fenced, active natural gas regulator station)

Adjacent Land Usage: Industrial/Commercial, Public Park and Residential

Site Groundwater Class: GB Adjacent Groundwater Class: GB

Nearest Surface Water or Wetland: Seekonk River is Greater Than 500 Feet East of the natural gas regulator station

Potential for Adverse Impact: No

5. Potentially Responsible Parties:

Name: National Grid

Address: 280 Melrose Street, Providence, Rhode Island 02907

Status: Owner

6. Measures Taken or Proposed to be Taken in Response to Release:

National Grid will conduct additional investigations to further characterize this area and will address these impacts consistent with the requirements of the Remediation Regulations and the federal Toxic Substance and Control Act (40 CFR Part 761).

The metal pipe/valve assembly does not appear to be actively leaking material. However, based on field observations and while the characterization work is pending, National Grid has wrapped the valve so that no additional release to the environment will take place.

7. Other Significant Remarks About Release (Will a background determination be made?)

NA



Signature: \_\_\_\_\_

4/13/11

Date: \_\_\_\_\_

Lead Environmental Engineer

Title: \_\_\_\_\_