

Tidewater Environmental Project Pawtucket, RI



Site Soil Gas Quality Evaluation, March 6, 2014



TIDEWATER Environmental Project
Pawtucket, Rhode Island

Site Background – Overview



Downtown
Pawtucket

Charter Schools

Varieur Elementary
School

Tidewater Site

City of
Pawtucket
Boat Ramp

Seekonk River

Max Read Field

Site Background – PIP Activities

- October 2013 Public Involvement Plan (PIP)
- Public Notifications
- Fact Sheets
- Community Meetings
- Information Repositories
- Distribution Lists



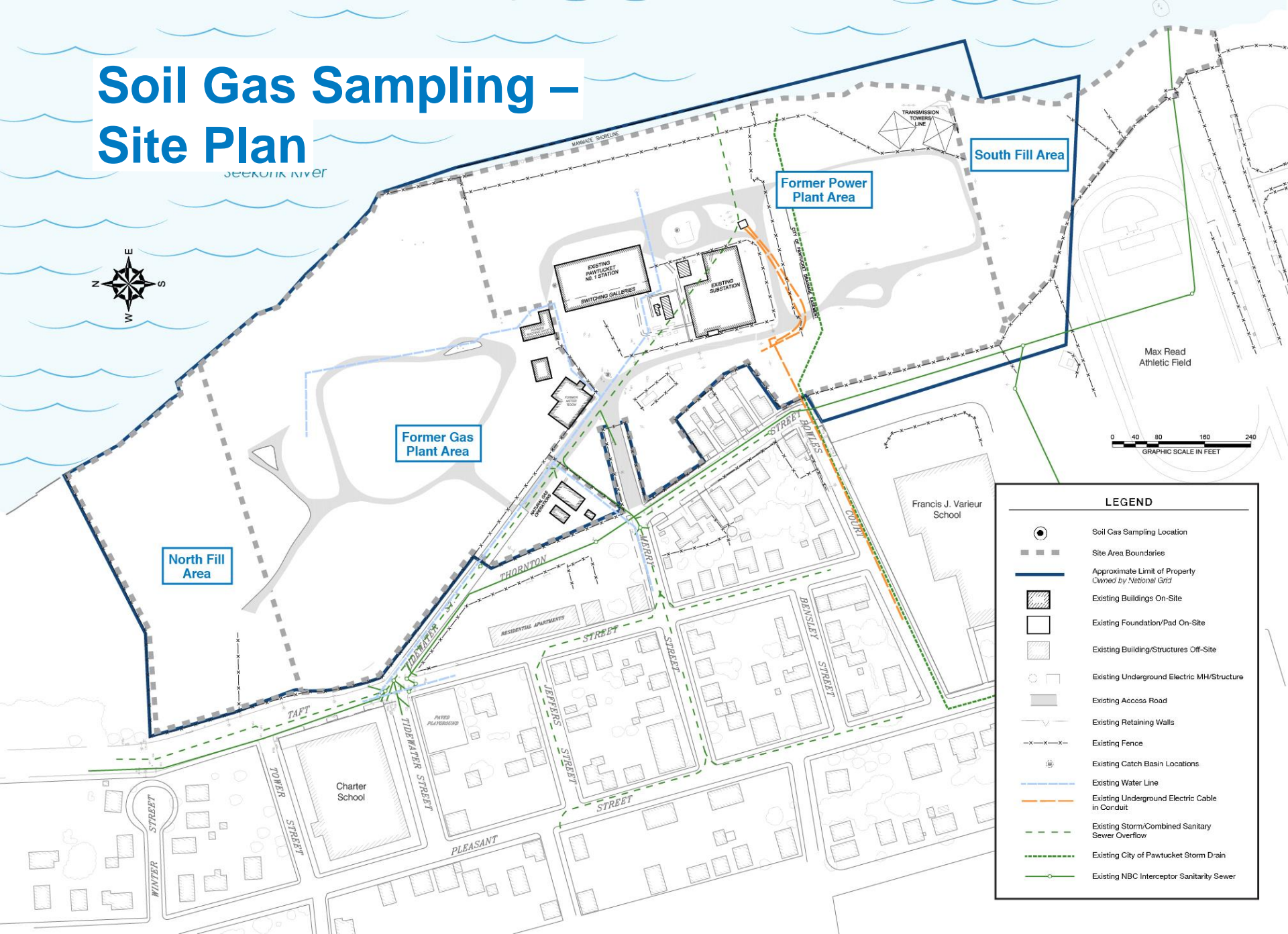
Soil Gas Sampling – Project Objectives and Work Plan

- Work Plan submitted to RIDEM on **May 2, 2013**
 - Public Input
 - RIDEM guidance
- Evaluate the quality of soil gas at the Tidewater Site
 - In response to public comments
 - Both interior (non-perimeter) and property perimeter
 - Compare the soil gas data to neighboring states screening levels or criteria



Soil Gas Sampling – Site Plan

SEAKOTIK RIVER



0 40 80 160 240
GRAPHIC SCALE IN FEET

LEGEND

- Soil Gas Sampling Location
- Site Area Boundaries
- Approximate Limit of Property Owned by National Grid
- Existing Buildings On-Site
- Existing Foundation/Pad On-Site
- Existing Building/Structures Off-Site
- Existing Underground Electric MH/Structure
- Existing Access Road
- Existing Retaining Walls
- Existing Fence
- Existing Catch Basin Locations
- Existing Water Line
- Existing Underground Electric Cable in Conduit
- Existing Storm/Combined Sanitary Sewer Overflow
- Existing City of Pawtucket Storm Drain
- Existing NBC Interceptor Sanitary Sewer

Soil Gas Sampling – Probe Installation

- **First phase of installation**
 - Installed July 8 to July 11, 2013
 - Geoprobe-driven installation
 - 27 Perimeter Probes
 - 14 shallow
 - 13 deep
 - 10 Interior (non-Perimeter) Probes
- **Second phase of installation**
 - Installed August 22, 2013
 - Hand-driven installation
 - 7 shallow Perimeter Probes
- **Real time air monitoring**



Soil Gas Sampling – Probe Sampling

■ First phase of sampling

- Sampled between July 24 to August 2, 2013
- 10 Ambient Air Samples
- 25 Perimeter Soil Gas Samples
 - 14 shallow samples
 - 11 deep samples
- 9 Interior (non-Perimeter) Soil Gas Samples

■ Second phase of sampling

- Sampled between August 22 to August 23, 2013
- 7 shallow Perimeter Soil Gas Samples



Soil Gas Sampling – Results – RIDEM Submittals

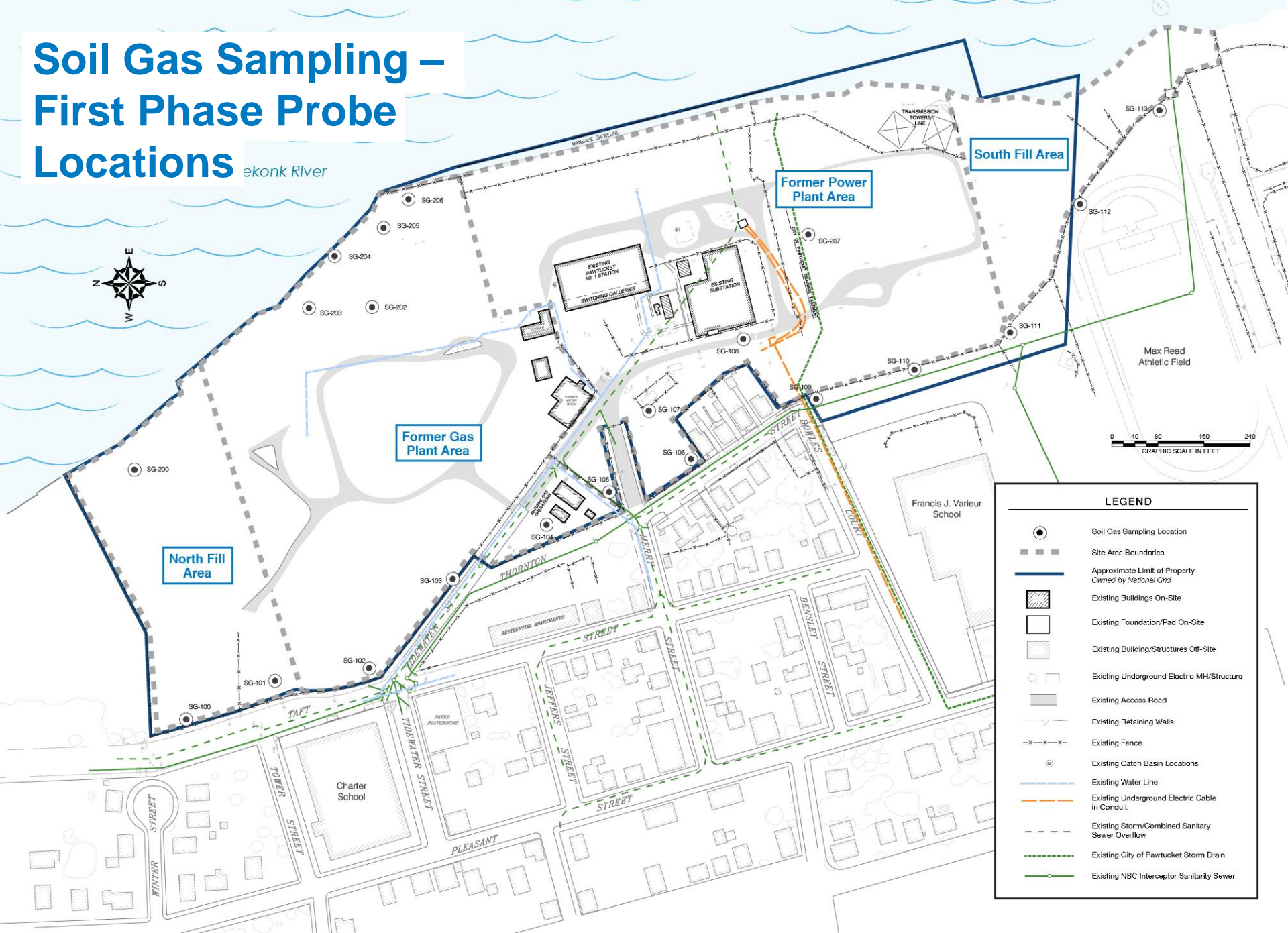
- August 2013 Fact Sheet – Tidewater Site: Assessing the Quality of Soil Gas near the Neighboring Properties
- October 2013 Site Investigation Report (SIR) Addendum – Soil Gas Sampling and Analysis



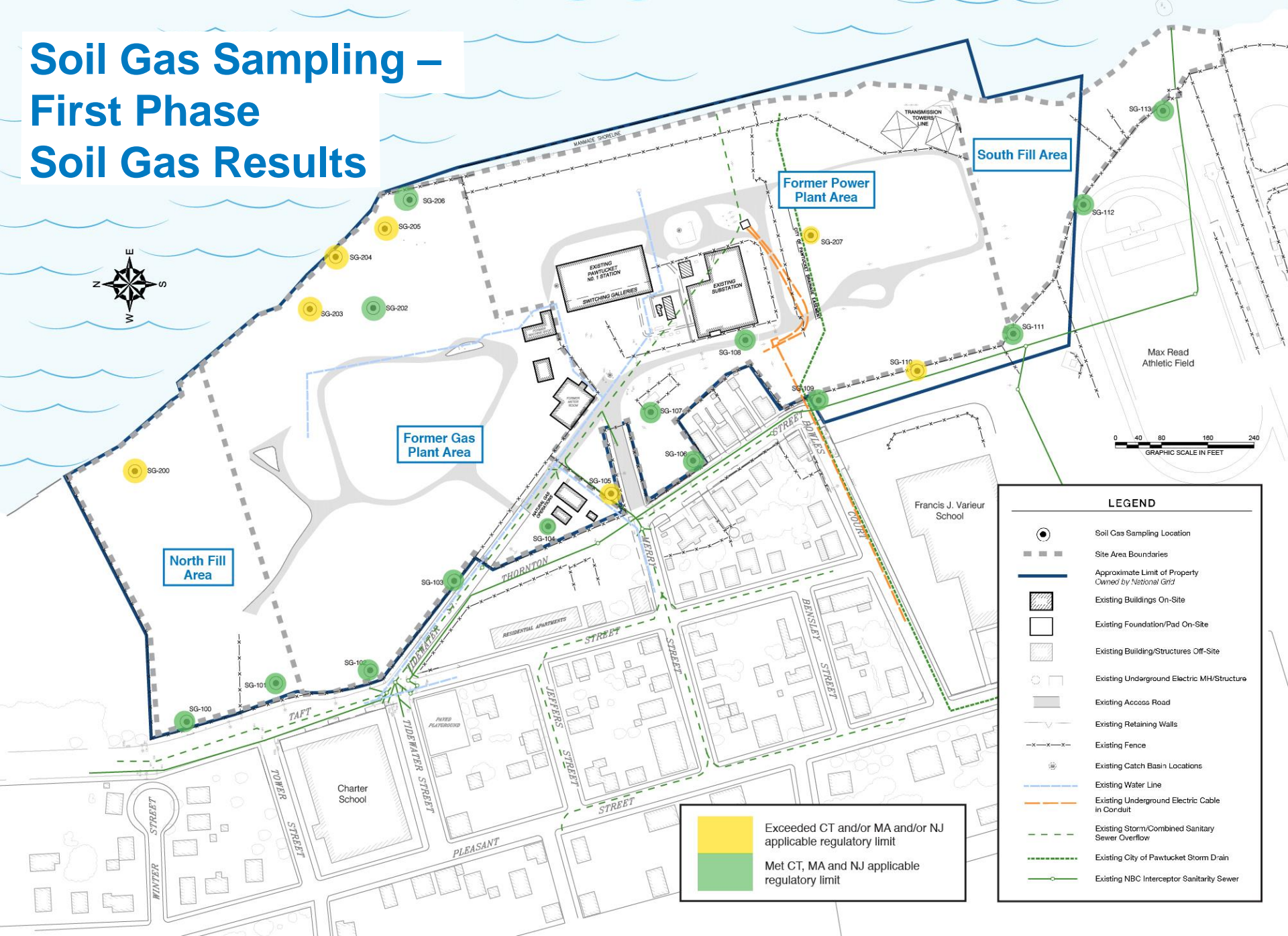
- Available on the National Grid Tidewater website:
www.tidewatersite.com

Soil Gas Sampling – First Phase Probe Locations

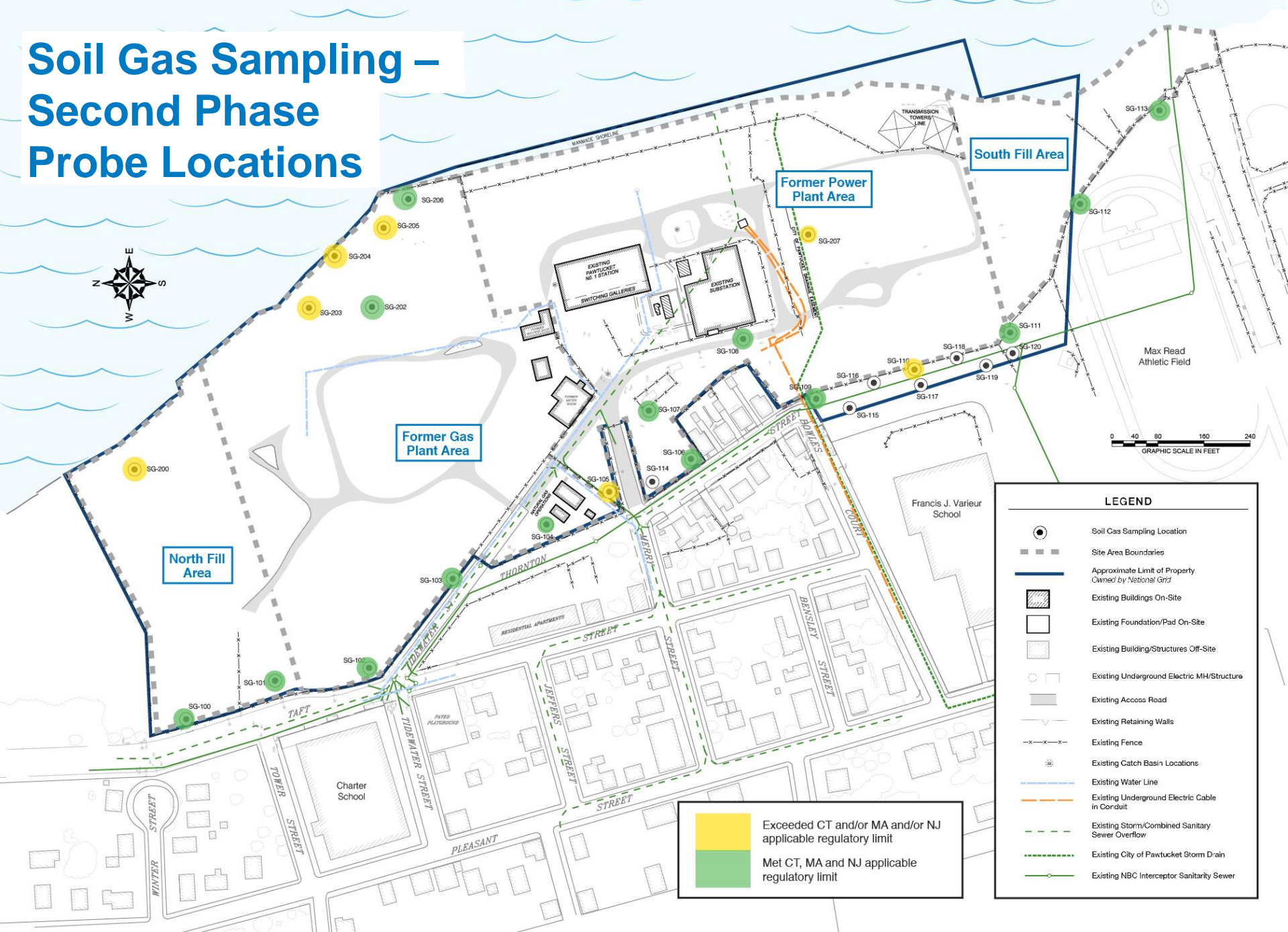
ekonk River



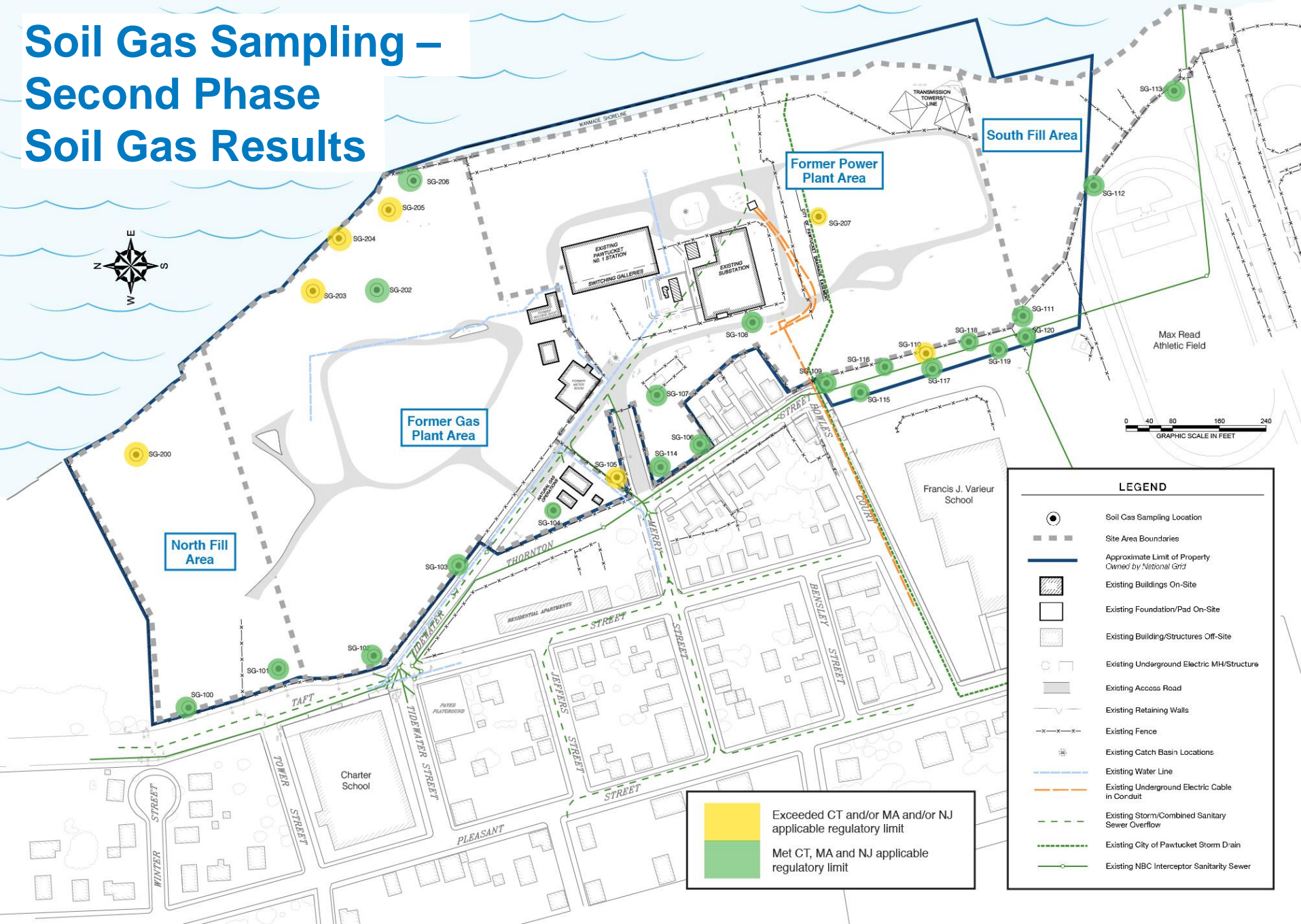
Soil Gas Sampling – First Phase Soil Gas Results



Soil Gas Sampling – Second Phase Probe Locations



Soil Gas Sampling – Second Phase Soil Gas Results



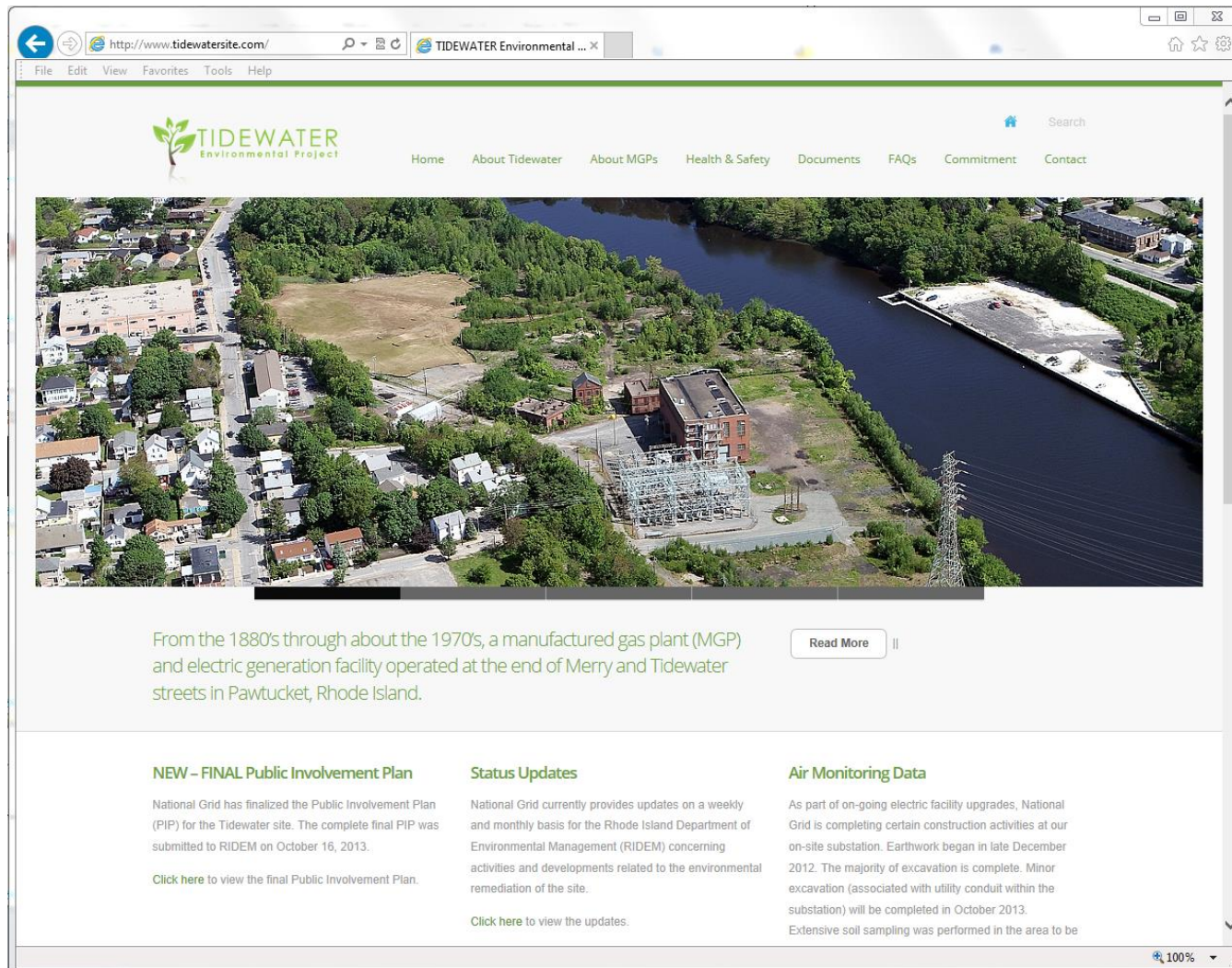
Next Steps – SG-105S Investigation Activities

- Benzene detected in SG-105S during soil gas investigation
- Work Plan submitted to RIDEM on February 10, 2014
- Investigations proposed:
 - 4 test borings
 - 2 monitoring well installations
 - Soil and groundwater sampling



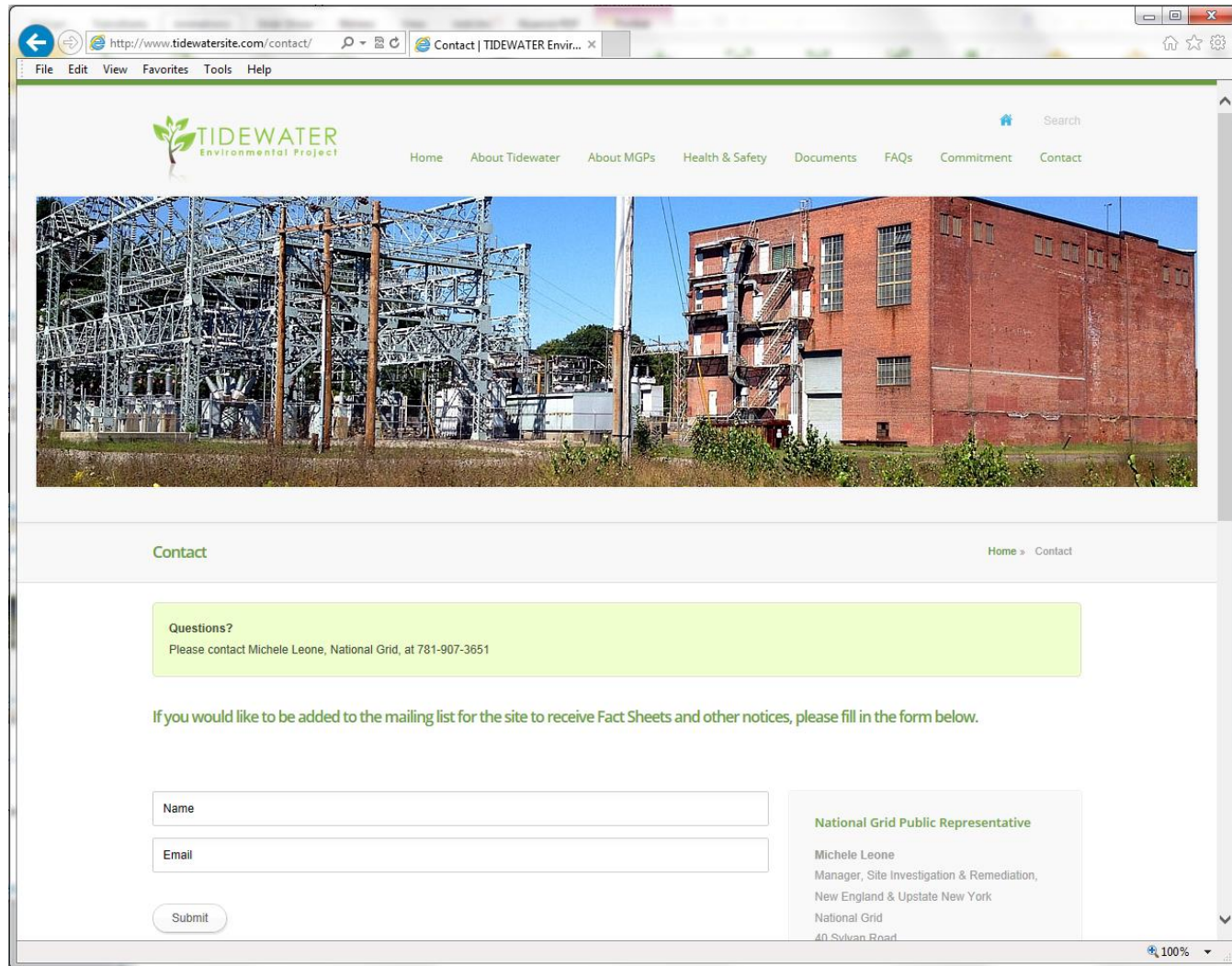
How to Find More Information about the Tidewater Site

nationalgrid



How to Find More Information about the Tidewater Site

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The screenshot shows a web browser window displaying the 'Contact' page of the 'Tidewater Environmental Project' website. The browser's address bar shows the URL 'http://www.tidewatersite.com/contact/'. The website's header includes the 'TIDEWATER Environmental Project' logo and a navigation menu with links: Home, About Tidewater, About MGPs, Health & Safety, Documents, FAQs, Commitment, and Contact. A search bar is also present. Below the header is a large banner image showing an industrial facility with a complex metal structure and a large brick building. The main content area is titled 'Contact' and includes a breadcrumb trail 'Home > Contact'. A green box contains the text 'Questions? Please contact Michele Leone, National Grid, at 781-907-3651'. Below this, a message states: 'If you would like to be added to the mailing list for the site to receive Fact Sheets and other notices, please fill in the form below.' The form consists of two input fields labeled 'Name' and 'Email', followed by a 'Submit' button. On the right side of the form, there is a section titled 'National Grid Public Representative' which lists the contact information for Michele Leone, Manager, Site Investigation & Remediation, New England & Upstate New York, National Grid, 40 Sylvan Road.

http://www.tidewatersite.com/contact/

Contact | TIDEWATER Envir... x

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Environmental Project

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Contact

Home > Contact

Questions?
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If you would like to be added to the mailing list for the site to receive Fact Sheets and other notices, please fill in the form below.

Name

Email

Submit

National Grid Public Representative

Michele Leone
Manager, Site Investigation & Remediation,
New England & Upstate New York
National Grid
40 Sylvan Road

100%

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http://www.tidewatersite.com/contact/

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Search

National Grid Public Representative

Michele Leone
Manager, Site Investigation & Remediation,
New England & Upstate New York
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40 Sylvan Road
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781-907-3651 (office)
michele.leone@nationalgrid.com

Rhode Island Department of Environmental Management

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401-222-2797 Ext. 7109
joseph.martella@DEM.RI.GOV

Contact

Questions?
Please contact Michele Leone, National Grid

If you would like to be added to the mailing list, please fill in the form below.

Name

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Submit

Home > Contact

National Grid Public Representative

Michele Leone
Manager, Site Investigation & Remediation,
New England & Upstate New York
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http://www.dem.ri.gov/programs/benviron/ RI DEM/Waste Management...

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State of Rhode Island
Department of Environmental Management

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Home > Programs > Bureau of Environmental Protection > Office of Waste Management > Tidewater Site Documents

Former Tidewater Coal Manufactured Gas Site (Pawtucket)

The next Public Meeting will be held on:

Date:	Wednesday, March 27, 2013
Location:	Francis J. Varieur Elementary School (486 Pleasant Street, Pawtucket, RI)
Time:	6:30 p.m. to 8:30 p.m.
Note:	This public meeting is being coordinated by National Grid.

National Grid has developed a [website](http://www.tidewatersite.com) specifically related to the investigation and remediation of the Tidewater Site which can be accessed at the following address:
www.tidewatersite.com

Document Description	Date
AES - Remedial Investigation at the Tidewater Site - Volume 1	12/30/96
AES - Remedial Investigation at the Tidewater Site - Volume 2	12/30/96
AES - Remedial Investigation at the Tidewater Site - Volume 3	12/30/96
GZA - Short-Term Response Action Plan	1/21/07
GZA - Sediment Investigation Work Plan	7/3/08
GZA - Notice to Abutter - Environmental Site Investigation	4/16/09
GZA - Sediment Data Report	6/26/09
GZA - Notification of Release	11/4/09
GZA - Request for Remediation General Permit - Notice of Intent	11/12/09
GZA - Supplemental Site Investigation Work Plan	11/23/09
GZA - Remedial Summary Report - Response to Stormwater Release	11/25/09
GZA - Short-Term Response Action Plan - Sheen Outbreak Area	12/4/09
GZA - Short-Term Response Action Plan Summary Report - Sheen Outbreak Area	2/1/10
GZA - Site Response Action Status Report - 12-1-09 through 1-31-10	2/1/2010
GZA - Site Response Action Status Report - 2-1-10 through 2-28-10	3/26/2010
GZA - RIPDES Discharge Monitoring Report - Quarter 1	4/8/10
GZA - Site Response Action Status Report - 3-1-10 through 3-31-10	4/19/2010
GZA - Site Response Action Status Report - 4-1-10 through 4-30-10	5/18/2010
GZA - Site Response Action Status Report - 5-1-10 through 5-31-10	6/9/2010
GZA - Site Response Action Status Report - 6-1-10 through 6-30-10	7/13/2010
GZA - RIPDES Discharge Monitoring Report - Quarter 2	7/13/10
GZA - Site Response Action Status Report - 7-1-10 through 7-31-10	8/24/2010
National Grid - Tidewater Site Fact Sheet - Holder Demo with Translation	9/1/2010

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Questions or Comments?