nationalgrid

Theodore O. Leissing
Manager, MGP Programs

January 23, 2009

Mr. Jamie Ascher
Engineering Geologist 2
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 1
Stony Brook University
50 Circle Road
Stony Brook, NY 11790-3409

Re: Supplemental Site Characterization Work Plan
East Hampton Hortonsphere Site
Index #: AI-0595-08-07; Site #: 152213
East Hampton, New York

Dear Mr. Ascher:

National Grid is submitting for your review and approval the following work plan to conduct Supplemental Site Characterization (SSC) activities at the former East Hampton Hortonsphere Site in East Hampton, New York. The Site location is shown in Figure 1. The current conditions of the property are shown in Figure 2.

This SSC letter work plan was developed in response to New York State Department of Environmental Conservation's (NYSDEC's) October 30, 2008 comment letter that requested additional characterization to further evaluate surface soils and metals in one groundwater well (GW-01).

When the SSC work is completed and analytical data has been validated, we will generate a data summary report for your review, prior to revising the current draft SC report.

In addition, National Grid plans to discuss with NYSDEC collection of background samples in the vicinity of the East Hampton Hortonsphere Site as well as other alternative gas sites on Long Island. If the background sampling plan is finalized prior to executing this SSC Work Plan, the background sampling will coincide with the surface soil and groundwater sampling.

The remaining portion of this letter provides the proposed SSC work plan in detail.

1.0 Supplemental Site Characterization

The SSC will be conducted in accordance with the NYSDEC-approved Site Characterization Work Plan (SCWP) dated November 2007, that includes the Health and Safety Plan, Quality Assurance Project Plan, and Field Sampling Plan. The following subsections describe the proposed investigations of surface soils and groundwater.

1.1 Surface Soil Sampling

Four surface soil samples (EHS-SS-07, EHS-SS-08, EHS-SS-09, and EHS-SS-10) are proposed to further evaluate soil conditions outside the fenced confines of the Hortonsphere. The locations of the proposed surface soil samples are shown in Figure 2.

175 East Old Country Road, Hicksville, NY 11801
T: 516.545.2555 ■ F: 516.545.2583 ■ theodore.leissing@us.ngrid.com ■ www.nationalgrid.com

Two surface soil samples (EHS-SS-07 and EHS-SS-09) will be collected in the grassed area outside the fenced confines of the Hortonsphere 50 feet and 100 feet to the west near the property boundary. Two surface soil samples (EHS-SS-08 and EHS-SS-10) will be collected in the grassed area outside the fenced confines of the Hortonsphere 50 feet and 100 feet to the south. The approximate sample locations are shown in Figure 2. The surface soil samples will be collected with a decontaminated stainless steel trowel or dedicated disposable sampling tool from 0 to 2 inches below the vegetative root mat. The grass will be removed prior to sampling and will be replaced following the completion of sampling activities.

These samples will be analyzed as specified in the Final SC work plan and additional analyses requested in the October 30, 2008 comment letter which includes:

- Volatile organic compounds (VOCs) via Environmental Protection Agency (EPA) method 8260
- Semi-volatile organic compounds (SVOCs) via EPA method 8270
- Target analyte list (TAL) metals via (EPA 6000/ 7000 series)
- Polychlorinated biphenyls (PCBs) and pesticides via EPA method 8082
- Herbicides via EPA method 8151A
- Atrazine and simazine via EPA method 8270C and metachlor via EPA method 8081A
- Sulfide via EPA method 9034 and sulfate via EPA method 300.0
- Metals via EPA Method 6010B.

Quality assurance/quality control samples will include one blind duplicate, and one rinsate blank. The batch MS/MSD data from the laboratory will be requested in lieu of a site-specific MS/MSD.

The surface soil samples will be submitted to TestAmerica Laboratories in Shelton, Connecticut for analysis. TestAmerica is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) accredited laboratory.

The location of each sample point will be measured from known points and incorporated into the existing site base map.

1.2 Groundwater Sampling

Groundwater monitoring well GW-01 will be purged and re-sampled for metals (EPA Method 6010B). Depth to groundwater is approximately 42 feet below ground surface and a peristaltic pump used for low-flow sampling has an effective depth of 25 feet and less. As such, a bladder pump or Groundfos submersible pump will be used to collect the sample. The sample will not be collected unless turbidity is less than 50 nephelometric turbidity units (NTUs).
The groundwater sample will be analyzed for total metals by EPA method 6010B. Quality assurance/quality control samples will include one trip blank.

If groundwater turbidity less than 50 NTUs cannot be achieved, an unfiltered and a filtered sample will be collected in preserved bottles. Both samples will be submitted to the laboratory.

175 East Old Country Road, Hicksville, NY 11801
T: 516.545.2555 ■ F: 516.545.2583 ■ theodore.leissing @us.ngrid.com ■ www.nationalgrid.com

The groundwater sample will be analyzed for total metals by EPA method 6010B. Quality assurance/quality control samples will include one trip blank.

If groundwater turbidity less than 50 NTUs cannot be achieved, an unfiltered and a filtered sample will be collected in preserved bottles. Both samples will be submitted to the laboratory. If the unfiltered sample results for metals exceed the New York State Ambient Water Quality Standard, the filtered sample will be analyzed for dissolved metals by EPA method 6010B.

A quality assurance/quality control sample will include one trip blank.

Groundwater will be collected in 55-gallon USDOT drums and disposed of at an approved disposal facility.

2.0 Schedule and Reporting

We anticipate that field work can start within approximately 3 weeks of receiving NYSDEC approval. A number of factors can affect the actual start date including the approval of this work plan, property access, and/or weather that may hamper collection of surface soil samples. National Grid will have to coordinate access with the Long Island Power Authority. The field work is expected to take approximately 1 day.

After completion of the field activities and receipt/validation of the laboratory analytical data, the existing draft SC report will be revised to include the supplemental data.

Sincerely,

FOR

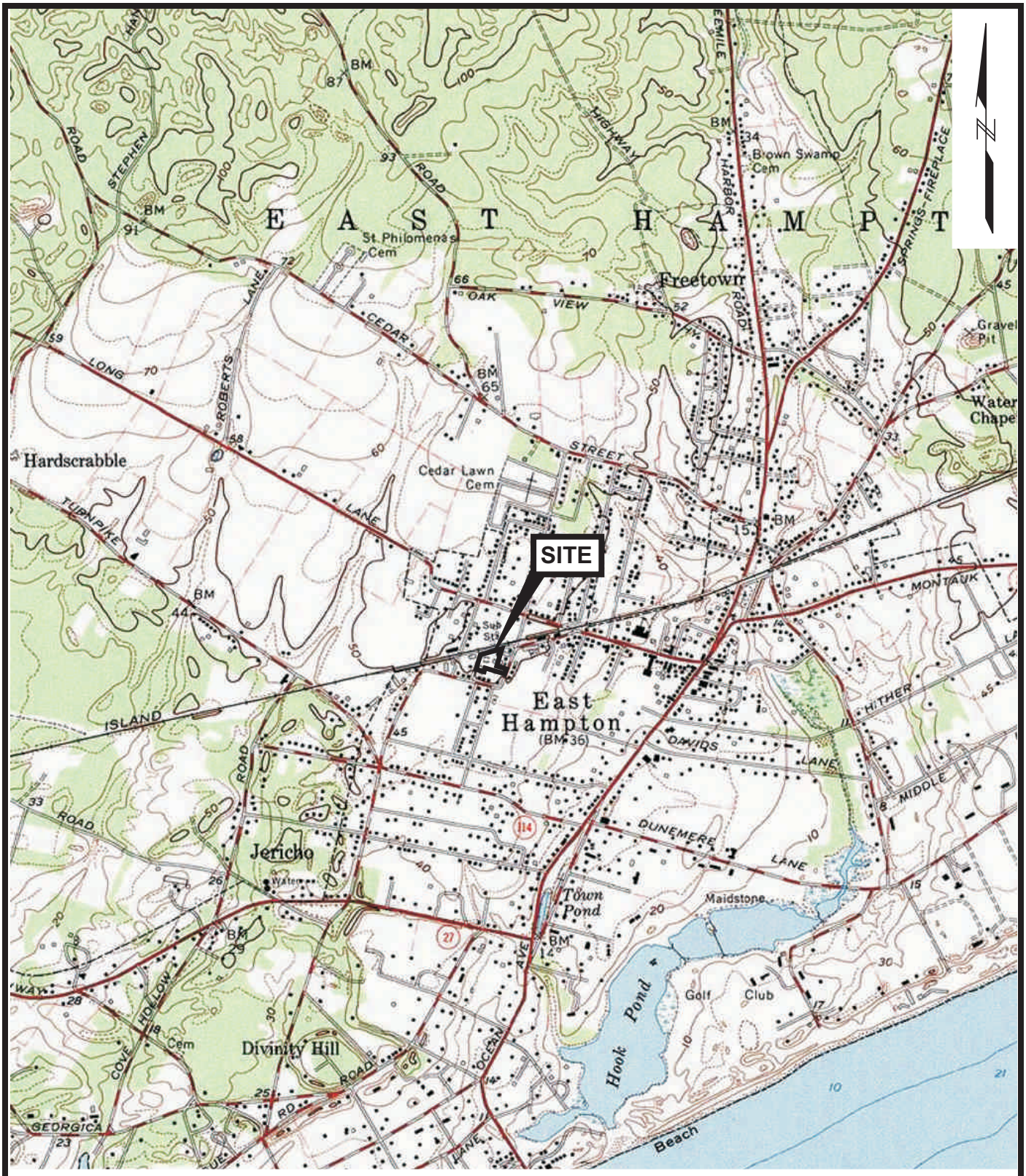
Theodore Leissing
Manager, MGP Programs
National Grid Site Investigation & Remediation

Attachment

cc: W. Parish, NYSDEC Region 1
C. Vasudevan, NYSDEC
L. Eckhaus, NYSDEC
R. Paulsen, SCDHS
A. Juchatz, SCDEE
R. Ockerby, NYSDOH
S. Shearer, NYSDOH
J. Zak, GEI
T. Burke, GEI

H:\WPROC\Project\KEYSPAN\1 Site Characterizations\East Hampton Hortonsphere\Supplemental SC\EastHampton-SSC-Ltr_final01-23-09.doc

175 East Old Country Road, Hicksville, NY 11801
T: 516.545.2555 ■ F: 516.545.2583 ■ theodore.leissing @us.ngrid.com ■ www.nationalgrid.com



SOURCE: Map created with TOPO! ® ©2001 National Geographic (www.nationalgeographic.com/topo)

SUPPLEMENTAL SITE CHARACTERIZATION WORK PLAN
EAST HAMPTON HORTONSPHERE SITE
EAST HAMPTON, NEW YORK

nationalgrid

GEI Consultants

SITE LOCATION MAP

Project 072710-2-1105 | January 2009 | Figure 1

I:\GEI\National Grid\East Hampton\EH Hortonsphere\SSCWP\East Hampton Location Map.CDR

LEGEND:

- PROPERTY BOUNDARY (APPROXIMATE)
- 50 — GROUND SURFACE CONTOUR (FEET, NAVD)
- FENCE
- EHS-SS-07 — PROPOSED SURFACE SOIL SAMPLE LOCATION
- EHS-GW-01 — PROPOSED GROUNDWATER RESAMPLING LOCATION
- EHS-GP-01/ EHS-GW-01 — GEOPROBE® BORING LOCATION/ TEMPORARY GROUNDWATER SAMPLING LOCATION
- EHS-SV-02 — SOIL VAPOR SAMPLE LOCATION
- EHS-SS-01 — SURFACE SOIL SAMPLE LOCATION
- A — A' — CROSS SECTION LOCATION

NOTE:
LOCATIONS OF SURFACE SOIL SAMPLES EHS-SS-04, EHS-SS-05, AND EHS-SS-06 ARE APPROXIMATE.

SOURCES:

1. Orthophoto obtained from New York State Interactive Mapping Gateway (http://www1.nysgis.state.ny.us/MainMap.cfm) photo date: 2004, accessed 1/09/08.
2. Long Island Lighting Co., Mineola, N.Y., East Hampton Substation and Gas Storage Site, Situated at East Hampton, Town of East Hampton, County of Suffolk, N.Y., Scale: 1" = 60', Date: 10-17-72.
3. Survey of existing conditions and sample locations conducted by GEI Consultants, Inc. on 12/14/07. Survey by New York state licensed land surveyor number 050146. Horizontal datum: New York State Plane coordinate system (Long Island Zone, North American Datum (NAD)83). Vertical datum: North American Vertical Datum (NAVD) 88.

0 60 120
SCALE, FEET

SUPPLEMENTAL SITE CHARACTERIZATION WORK PLAN
EAST HAMPTON HORTONSPHERE SITE
EAST HAMPTON, NEW YORK

nationalgrid

GEI Consultants

EXISTING AND PROPOSED SAMPLE LOCATIONS

Project 072710-2-1105 | January 2009 | Figure 2

C:\DOCUME~1\pheriot\LOCALS~1\Temp\AcPublish_2272\ EHampton-Hortonsphere Samples.dwg \Jan 22, 2009