

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C

625 Broadway, 12th Floor, Albany, NY 12233-7014

P: (518) 402-9662 | F: (518) 402-9679

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January 8, 2021

Mrs. Reeti Doshi
Lead Project Manager – Downstate New York
Site Investigation and Remediation
National Grid
One Metrotech Center, 14th Floor
Brooklyn, NY 11201

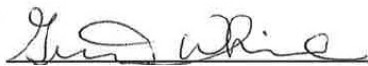
Re: Additional Soil Vapor Intrusion Sampling Work Plan - Approval
Greenpoint Energy Center Former MGP
Site #224052

Dear Mrs. Doshi:

The New York State Department of Environmental Conservation (the “Department”) and the New York State Department of Health (NYSDOH) have reviewed the above referenced report submitted for the Greenpoint Energy Center (GPEC) Former Manufactured Gas Plant (MGP) site (the “Site”) located at 287 Maspeth Avenue in Brooklyn, New York, submitted by GEI Consultants, Inc. on behalf of National Grid, dated December 21, 2020. The Work Plan is hereby approved.

If you have any questions or any issues arise, please feel free to contact me at 518-402-2029 or email: greta.white@dec.ny.gov.

Sincerely,



Greta White, P.G.
Project Manager
Remedial Action Bureau C
Division of Environmental Remediation

EC: C. Morris, GEI
D. Eaton & J. Brown, NYSDEC
S. Surani & S. McLaughlin, NYSDOH



Department of
Environmental
Conservation



Department
of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

LISA J. PINO, M.A., J.D.
Executive Deputy Commissioner

January 7, 2021

Greta White
Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway, 11th Floor
Albany, NY 12233-7014

Re: **Additional Soil Vapor Intrusion Sampling
Work Plan**
Greenpoint Energy Center Former MGP
Site # 224052
Brooklyn, Kings County

Dear Ms. White,

I reviewed the *Additional Soil Vapor Intrusion Sampling Work Plan* dated December 21, 2020 for the above referenced site. Based on that review, I have no health-related comments or concerns and find the work plan acceptable.

If you have any questions or would like to discuss these comments further, please feel free to contact me at (518) 402-7866.

Sincerely,

Shaun Surani
Public Health Specialist
Bureau of Environmental Exposure Investigation

Ec: S. McLaughlin / S. Karpinski / e-File
C. Westerman – NYSDOH MARO
C. D'Andrea – NYC DOHMH
G. Burke / D. Eaton – NYSDEC Central Office
J. O'Connell – NYSDEC Region 2

December 21, 2020

Ms. Greta White P.G.
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7014

**Additional Soil Vapor Intrusion Sampling Work Plan
Greenpoint Energy Center Former Manufactured Gas Plant
287 Maspeth Avenue, Brooklyn, New York
Site No. 224052**

Dear Ms. White:

National Grid is submitting this work plan for additional Soil Vapor Intrusion (SVI) sampling in two buildings on the Greenpoint Former Manufactured Gas Plant (MGP) site (the Site). The additional sampling will be conducted as recommended in the Draft Remedial Investigation Report (RIR) for the Site submitted on January 16, 2020, as well as in response to the New York State Department of Environmental Conservation (NYSDEC) comments received on November 24, 2020 on the RIR.

The buildings to be sampled include Building 21-Facilities and Building A-Gatehouse. The locations of the buildings are shown on **Figure 1**. The samples will include:

- Building 21-Facilities – Sub-Slab Soil Vapor/Indoor Air Location GPEC-IA306/SV306
- Building A-Gatehouse – Indoor Air Location GPEC-IA327

A permanent sub-slab point was installed within Building 21-Facilities during the Remedial Investigation. The permanent point was installed in accordance with the New York State Department of Health (NYSDOH) “Guidance for Evaluating Soil Vapor Intrusion in the State of New York, with updates” (SVI Guidance). The permanent sub-slab point (GPEC-SV306) will be sampled along with the co-located indoor air sample (GPEC-IA306) in Building 21-Facilities along with the indoor air sample location at Building A-Gatehouse (GPEC-IA327). Outdoor air samples will be collected at each of the two buildings being sampled (GPEC-OA Facilities and GPEC-OA Gatehouse) and one blind duplicate sample will be collected as part of the sampling event.

To ensure that the sampling tube is sealed from the ambient air aboveground, helium will be used as a tracer gas and monitored prior to and following sample collection as described in the SVI Guidance. The indoor air samples and outdoor air sample will be collected from the approximate breathing height (3 to 5 feet above ground). Each sub-slab soil vapor, indoor air, and outdoor air sample will be collected using a batch-certified 6-liter SUMMA[®] canister with a laboratory-supplied flow controller that is calibrated to an 8-hour period. The regulator flow rate will not exceed 0.2 (L/min). The sample tubing will be capped upon the completion of sampling.

Each SUMMA canister will be shipped to an approved NYSDOH Environmental Laboratory Approval Program (ELAP) registered laboratory for analysis. The samples will be analyzed for

**Additional Soil Vapor Intrusion Sampling Work Plan
Greenpoint Energy Center Former Manufactured Gas Plant
287 Maspeth Avenue, Brooklyn, New York
Site No. 224052**

volatile organic compounds and naphthalene using the United States Environmental Protection Agency (USEPA) method TO-15.

Building inventory information will also be collected in general accordance with the NYSDOH Center of Environmental Health's Indoor Air Quality Questionnaire and Building Form that is provided as Appendix B of the SVI Guidance. The sample results along with a letter report and recommendations will be submitted to NYSDEC and NYSDOH as an addendum to the current RIR.

Schedule

The field program is anticipated to be conducted in the first quarter of 2021 during the current heating season pending approval of this work plan. We will provide notification of the start of the field program a minimum of one week prior to mobilization.

If you have any questions, feel free to contact me at (718) 963-5607 or by email at reeti.doshi@nationalgrid.com.

Sincerely,



Christopher Morris, P.G.
On behalf of
Reeti Doshi
Project Manager

Attachment

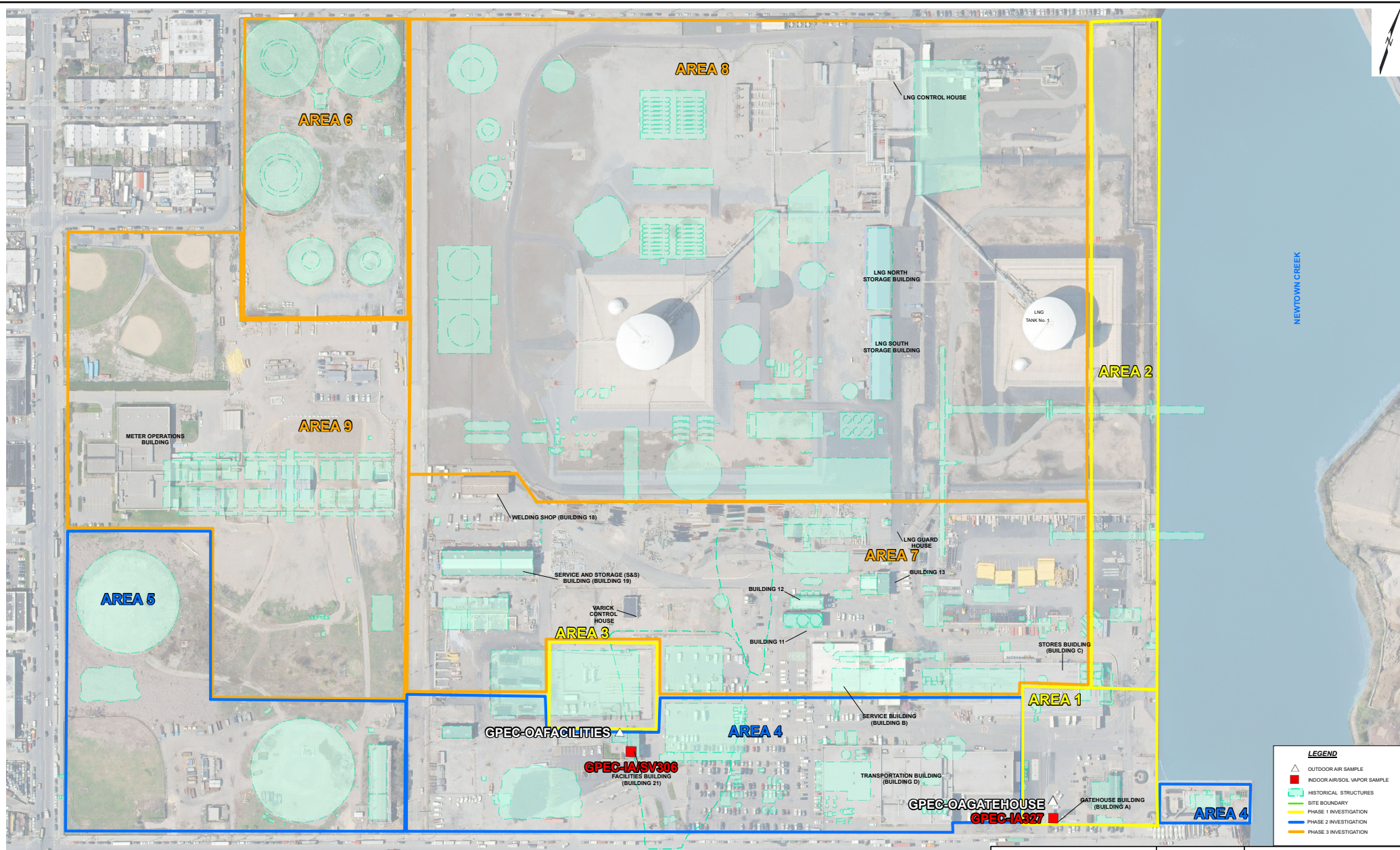
cc: D. Terry (GEI)

Z:\Tech\Projects\National Grid\Greenpoint\REPORTS\RISupplemental Sampling\WP.hw224052.2020-12-21.SVI Sampling_.docx

FIGURE

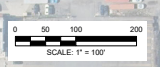


NEWTOWN CREEK



LEGEND	
	OUTDOOR AIR SAMPLE
	INDOOR AIR/SOIL VAPOR SAMPLE
	HISTORICAL STRUCTURES
	SITE BOUNDARY
	PHASE 1 INVESTIGATION
	PHASE 2 INVESTIGATION
	PHASE 3 INVESTIGATION

SOURCES:
 1. FIGURE BASED ON PLAN TITLED "PROPOSED SOIL BORINGS/TEST PIT MONITORING WELL AND SOIL GAS SAMPLE LOCATION SITE PLAN" BY PAULUS SOKOLOVSKI AND SARTOR ENGINEERING, PC DATED OCT 2004.
 2. SURVEY OF EXISTING MONITORING WELLS CONDUCTED BY GEI ON 6-16-09.
 3. 4/2016 AERIAL PHOTO ACCESSED VIA GOOGLE EARTH PRO.



Additional Soil Vapor Intrusion Sampling Work Plan
 Greenpoint Energy Center
 Former Manufactured Gas Plant Site
 Brooklyn, New York

nationalgrid

Project 125180

GEI
 Consultants

ADDITIONAL SOIL VAPOR INTRUSION SAMPLING LOCATIONS

December 2020

Fig. 1