

September 10, 2018

Mr. R. Scott Deyette
Chief, Inspection Unit
New York State Department of Environmental Conservation
MGP Remedial Section, Division of Environmental Remediation
Bureau of Western Remedial Action, 11th Floor
625 Broadway
Albany, New York 12233-7017

**East Garden City Gate Station
Gas Operations Excavation Summary Report
East Garden City Former Stewart Avenue Holder Station
East Garden City, New York
Site No. 130120**

Dear Mr. Deyette:

This report is a summary of work completed and data collected during the intrusive activities which included emergency gas main repair and maintenance construction work conducted at the East Garden City Former Stewart Avenue Holder Station, in East Garden City, New York (the Site).

A Notice of Intrusive Activities (NOIA) was submitted to the New York State Department of Environmental Conservation (NYSDEC) on July 30, 2018. National Grid retained GEI Consultants, Inc., P.C. (GEI) to conduct community air monitoring, environmental oversight, and soil management for all intrusive activities, in accordance with the Site Management Plan (SMP).

GEI provided community air monitoring, environmental oversight and soil management during the construction work on July 30 and July 31, 2018. GEI returned to the Site on August 2, 2018, after completion of the gas operations work, to perform community air monitoring and environmental oversight during the backfilling of the excavated area. The work was completed in general accordance with the SMP.

Summary of Field Activities

National Grid Gas Operations utilized vacuum excavation technology to remove the soil from the excavation area within the Gate Station at the Site to an approximate depth of 10-feet for a gas main repair and maintenance. The excavated area was an eight-feet by eight-feet pit, located south of the chain link fence along Stewart Avenue (Fig. 1). The excavated soil was screened for visual and olfactory impacts, as well as with a photo-ionization detector (PID). No impacts or PID readings above background were observed. All excavated soil was stockpiled on-Site and was covered with a tarp at the end of each day. Although a deviation from the SMP, approval from the NYSDEC was given to use the excavated soil to backfill the excavation if soil was found to be free of impacts or if below background PID readings were observed. There was no excess soil remaining after backfilling operations were completed.

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Community and Work Zone Air Monitoring Results

Real time air monitoring for total volatile organic compounds (TVOCs) and respirable particulate matter (PM₁₀) was performed during intrusive work at upwind and downwind tripod-mounted stations. Each station consisted of a weather-tight enclosure, a PID (RAE systems MiniRAE 3000), and a dust monitor (TSI DustTrak II 8530).

There were no exceedances of the time weighted average (TWA) for TVOCs or dust measurements during the excavation. Air monitoring data can be provided upon request.

If you have any questions, please feel free to contact me at 516-545-2568.

Very truly yours,

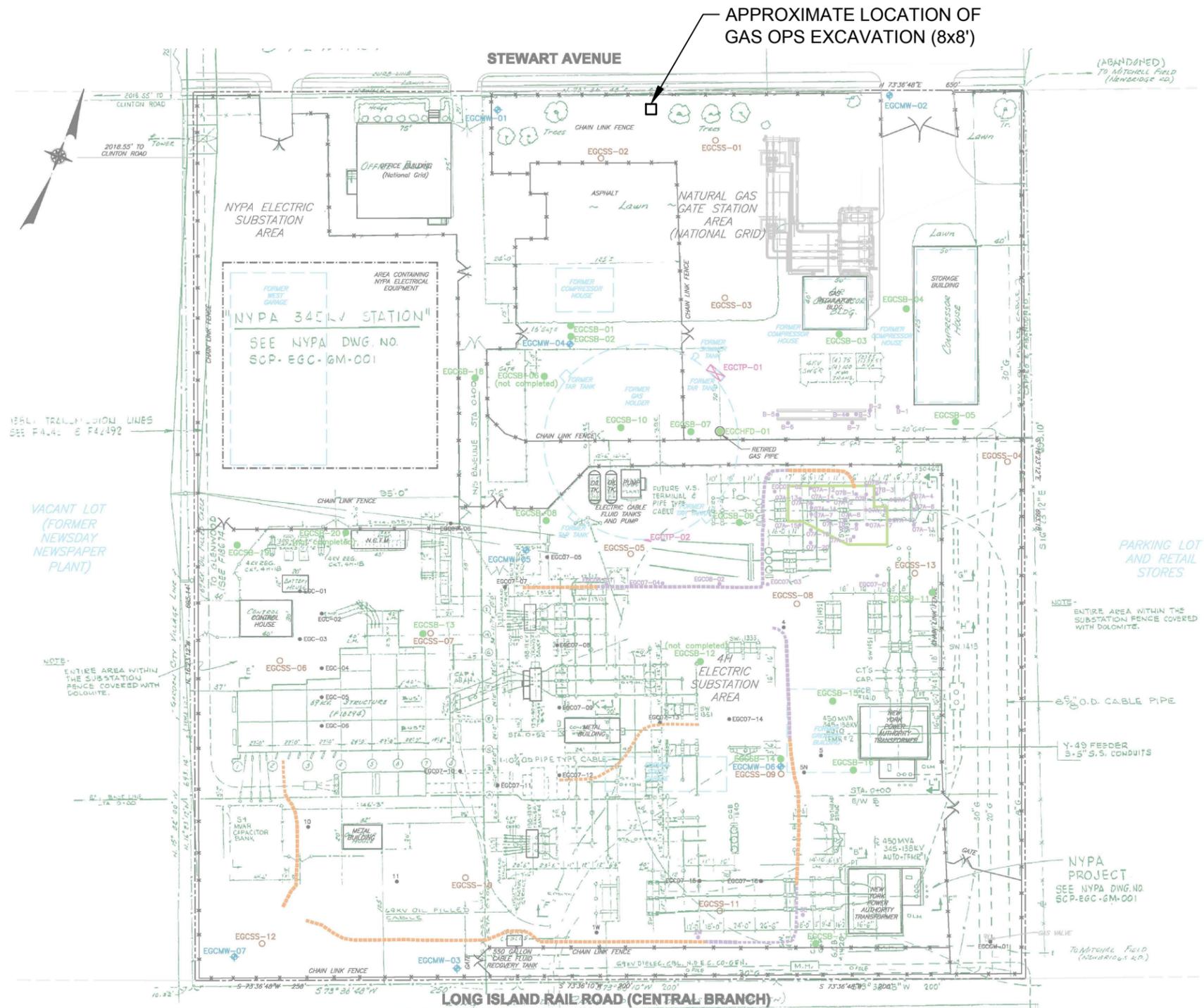


Christopher Morris, P.G.
on behalf of:
Sarah Aldridge

Attachment

cc: W. Ryan (National Grid)
E. Kitt (GEI)
M. Quinlan (GEI)
M. Wiedersum (GEI)

I:\Admin\Projects\Environmental\National Grid\OMM Downstate\13 Sites\East Garden City\Site Reports\Summary Report\East Garden City Summary Report GasOPs_9-6.docx



15KV TRANSMISSION LINES
SEE F4.40 & F4.492

VACANT LOT
(FORMER
NEWSPAPER
PLANT)

NOTE:
ENTIRE AREA WITHIN
THE SUBSTATION
FENCE COVERED WITH
DOLOMITE.

PARKING LOT
AND RETAIL
STORES

NOTE:
ENTIRE AREA WITHIN THE
SUBSTATION FENCE COVERED
WITH DOLOMITE.

8.5" O.D. CABLE PIPE
Y-49 FEEDER
5" S.S. CONDUITS

NYPA PROJECT
SEE NYPA DWG NO.
BCP-EGC-6M-001

- LEGEND:**
- EGCSS-01 COMPLETED SURFACE SOIL SAMPLE LOCATION
 - EGCSS-01 COMPLETED SUBSURFACE BORING LOCATION
 - EGCDFD-01 COMPLETED FOUNDATION DISTRIBUTION PIPE SAMPLE LOCATION
 - EGCMB-01 COMPLETED GROUNDWATER MONITORING WELL LOCATION
 - COMPLETED TEST PIT LOCATION
 - ▭ COMPLETED TRENCH LOCATION
 - ▨ MGP-RELATED FILL OBSERVED AT PREVIOUS TRENCH LOCATION
 - COMPLETED SUBSURFACE SOIL SAMPLE LOCATION
 - MGP-RELATED FILL OBSERVED AT PREVIOUS SOIL SAMPLE LOCATION
 - COMPLETED END POINT SOIL SAMPLE LOCATION
 - COMPLETED SIDE WALL SOIL SAMPLE LOCATION
 - SITE FENCING
 - LOCATION OF FORMER GAS HOLDER SITE STRUCTURE
 - AREA REMEDIATED TO 4' bgs



EAST GARDEN CITY FORMER STEWART AVE
HOLDER STATION
GAS OPERATIONS EXCAVATION SUMMARY REPORT

NATIONAL GRID



SITE PLAN

Project 1702897.16.1 September 2018 Fig. 1