

March 26, 2018



Consulting  
Engineers and  
Scientists

Ronnie E. Lee, P.E.  
Environmental Engineer 2  
Remedial Bureau B, Section C  
Division of Environmental Remediation  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233-7016

Subject: **Addendum No. 1 to Meat Market Site Characterization Work Plan  
Comments/Revisions**

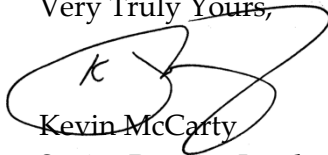
Dear Mr. Lee,

GEI Consultants Inc., P.C. (GEI) is adopting the March 2015 Site Characterization Work Plan for the Former Hunts Point Gas Works Meat market Parcel, Bronx, NY (Work Plan). The Work Plan was prepared for Consolidated Edison by Parsons. Following a review of the Work Plan there are several items that GEI is making recommendations to modify as that scope is being performed. A majority of these items are reflective of precedent and practices that have been performed on other Hunts Point MGP investigations and are therefore a continuation of investigative practice. GEI has prepared a brief list of these modifications that is attached to this cover as Addendum No. 1 to the Site Characterization Work Plan.

In addition, GEI will be evaluating the borings as they are installed and proposes to provide NYSDEC with recommendations for any further sampling prior to the preparation of the Site Characterization Report. This would support the Meat Market investigation and allow recommendations to be made regarding the remedial needs and support an Alternatives Analysis Report and Remedial Action Work Plan (AAR/RAWP). This follows the process of the initial Work Plan that was prepared under the Voluntary Cleanup Program and will now satisfy the Brownfield Cleanup Program requirements.

The recommended changes to the investigation will not diminish the data quality or negatively impact the investigation and are primarily alternate procedures for managing excess material and other investigation derived material. NYSDEC has also indicated they are instituting a new effort to require sampling for PFOA compounds (1,4 dioxane) and this requires multiple changes to the existing scope, QAPP as well as data usability effort, and different sampling protocols. GEI has requested that they provide something in writing to Con Ed regarding the requirements in order for the level of effort to initially be approved by Con Ed. If there are any questions, please do not hesitate to contact me at 917-510-5147.

Very Truly Yours,

A handwritten signature in black ink, appearing to be 'Kevin McCarty', is written over the printed name. The signature is stylized with a large, looping 'K' and a cursive 'M'.

Kevin McCarty  
Senior Practice Leader

## Addendum No. 1 Meat Market Site Characterization Work Plan

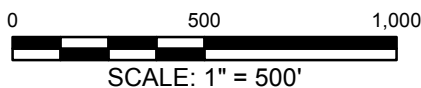
Section	Parsons Approved Scope of Work (SOW)	GEI Proposed Revision to SOW
3.3.1	Use of MiniRAM Aerosol Monitor for dust monitoring	Proposed use of Met One ES-642 for dust monitoring
3.3.2	One downwind CAMP station and intermittent UW readings for background	Proposed use of two-time full CAMP stations (upwind and downwind which will move within the Site daily based on drilling locations)
3.4	Soil borings advanced with hollow stem auger (HSA) or Roto-Sonic drill rig	Proposed use of Direct-Push track-mounted GeoProbe with dedicated 5-ft liners
3.4	Contingent borings drilled to bedrock	Drilling to bedrock is not anticipated. Surrounding site history indicates a consistent clay layer ~15-20 ftbg
3.4	All drill cuttings to be containerized and borings not converted into monitoring wells to be grouted to the surface following completion	Proposed use of non-impacted drill cuttings as backfill for the boreholes and grout for any remaining space
3.5	Wells to be labeled MW-101 through MW-105	MW-102 is being moved to location of SB-110 and being renamed MW-110. (MW-102s was previously installed by GEI/Integral as part of Site F SOW).
3.8	Low-flow groundwater purging and sampling via submersible pump as stated in the FSP (Appendix A)	Proposed low-flow groundwater purging and sampling via peristaltic pump
3.9	Containerization of all drill cuttings and purged groundwater	Proposed use of non-impacted drill cuttings as backfill for the boreholes and disposal of non-impacted groundwater/cuttings on-site (in undeveloped or grassy area to infiltrate back into ground)
FSP: Section 3.2	Equipment decontamination via steam cleaning	Proposed decontamination with Alconox and water as per Site F protocol
FSP: Section 3.3.5	All dedicated soil and groundwater sampling equipment to be containerized	Proposed placement of non-MGP impacted dedicated sampling equipment in dumpster
FSP: Section 4.2	Backfilling with grout above bentonite seal during all monitoring well installations	Proposed use of sand or non-impacted drill cuttings for backfill above the bentonite seal (relatively shallow water table)
FSP: Section 4.2	Use of centrifugal or peristaltic pump for well development	Proposed use of whale pump with higher flow rates for well development
FSP: Section 4.2	Constant measurement of groundwater parameters during well development (turbidity, pH, temperature and specific conductivity) until stabilization (1-2 hours of development)	Intermittent measurement of groundwater turbidity during development until free of visible sediment (less than 50 NTU)

FSP: Section 7.4	Use of YSI for collection of groundwater parameters and calibrate with multiple standards	Proposed use of Horiba U-52 or similar model which utilizes one standard calibration solution with equally accurate readings
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**SOURCE:**

1. PLAN FROM FIGURE 3, SAMPLE LOCATION MAP, CONSOLIDATED EDISON COMPANY, FORMER HUNTS POINT GAS WORKS MEAT MARKET PARCEL. PARSONS.



**Legend**

- Approximate Site Boundary
- Approximate Boundary of Former Gas Works Facilities
- Approximate Boundary of Parcels
- Approximate Location of Former Gas Works Facilities
- Proposed Boring Location
- Proposed Monitoring Well Location

Hunts Point  
Bronx, New York

NYC Economic Development Corporation  
New York, New York



Project 1411950

HUNTS POINT - MEAT  
MARKET BORING FIGURE

March 2018

Fig. 1