

PROJECT:	Former Fulton MGP – Parcels III and IV (Site No.: 224051)
ADDRESS:	545 Sackett St., Brooklyn, NY
PREPARED BY:	Roux Environmental Engineering and Geology, D.P.C.
DATE:	February 21, 2023
WEATHER:	Temp: 38-44°F, Cloudy (AM), Overcast (PM), RH: 86% Pressure: 29.62" Hg Wind: NE @ 6 mph
TIME:	07:00 – 15:30

Project Team

General Contractor and Subcontractors:

- Mega Contracting Group, LLC
- Creamer Environmental, Inc. (CEI)
- Keller Group PLC (Keller)

Engineers/Consultants

- Roux Environmental Engineering and Geology, D.P.C.
- Mueser Rutledge Consulting Engineers, PLLC
- GZA GeoEnvironmental, Inc.
- Aarco Environmental Services Corp (Aarco)

Remedial Action Work Summary

Work Activities Performed Onsite:

- Loaded out soil from waste characterization grid WC-8 (3-5)' and WC-11 (5-8)' for off-site disposal at Clean Earth ESMI and WM Fairless facilities;
- Waste characterization and lead delineation sampling on Parcel IV (Lot 17).
- Installed of support of excavation (SOE) elements inside the tension fabric structure (TFS).
- Treated and discharged recovered groundwater to NYC combined sewer system.

Contractor Work Performed Onsite:

Creamer Environmental, Inc (CEI) loaded out three (3) trucks of material from inside the TFS. One truckload of manufactured gas plant impacted soil with trichloroethylene > 25 ppm from waste characterization grid WC-11(5-8'), approximately 22 tons, was sent to Clean Earth ESMI for disposal. Two loads, approximately 44 tons of non-hazardous urban fill from waste characterization grid WC-8(3-5') was sent to Waste Management Fairless for disposal. All transport trucks were cleaned and inspected before leaving the site to ensure no fill material was tracked off-site.

Roux conducted waste characterization and lead delineation sampling in the Parcel IV (Lot 17) with Aarco Environmental Services Corp. Nine (9) lead delineation borings were advanced to seven (7) feet below grade, in the vicinity of previously completed soil boring WC-GH4-14a. To vertically and horizontally delineate potentially hazardous levels of lead, 27 samples were collected and analyzed for total and TCLP lead. Waste characterization samples were also collected to meet disposal facility requirements. All samples were submitted to Alpha Analytical for analysis.

CEI continued installation of SOE elements (walers, bracing, etc.) along the south wall of waste characterization grid WC-8. Keller continued tieback installation along the south walls of grids WC-8 and WC-11. All water generated during tieback installation was recovered and sent to the water treatment system for processing. Approximately 7,466 gallons of treated water were discharged to the New York City combined sewer system. Construction material from the east area of grid WC-12 to prepare for future backfill deliveries. Swap out and set up of one of the blowers associated with the vapor management system (VMS) continued. CEI operated the VMS during all work activities inside the TFS to limit the odors and dust impacts from work. CEI conducted dust control measurements (wetting, tarping, limiting vehicle speeds, etc.) as needed.

Air Monitoring:

- No community air monitoring program (CAMP) exceedances were observed during the day.
- GZA GeoEnvironmental, Inc. will provide a summary report for CAMP activities.

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Erosion and Sediment Control

- Erosion and sediment controls were inspected to ensure that silt fence and filter sock were undamaged and operational.

Sampling Conducted:

- Lead Delineation Sampling on Parcel IV (Lot 17) for TCLP and total lead:
 - 27 samples around previously completed soil boring WC-GH4-14a
- Waste characterization samples: WC-GH4-14a (0-5) and WC-GH4-3 (1-3)
- February effluent sample from the water treatment system (WTS_EFFLUENT_20230221) to confirm NYC Department of Environmental Protection sewer discharge criteria is met.

Other Items of Note:

- None

Imported Material

Name - Location	Source	During This Reporting Period		Total	
		Loads	Tons	Loads	Tons
Vulcan ASTM #3 (1 ½" Stone)	Vulcan Hamburg Quarry			5	127.83
Vulcan General Fill	Vulcan Wantage Quarry			71	1,800.42

Exported Material

Material	Facility	During This Reporting Period		Total	
		Loads	Tons	Loads	Tons
Concrete for Recycling	Bayshore			20	421.87
Concrete for Landfill	WM Fairless			37	~872.59
TCE Impacted Haz Hot Spot	CWM Emelle			7	161.72
Cd Impacted Haz Material from WC-5	CWM Emelle			3	49.45
Cd Impacted Haz Material from WC-5	Clean Earth NJ			16	397.75
Non-Haz Contaminated Urban Fill	WM Fairless	2	~44	79	~1,738
MGP soil with TCE>25 ppm	Clean Earth ESMI	1	~22	57	~1,284

Truck Log

Number	Excavation Grid	Disposal Facility	Disposal Profile	Manifest Number	Trucking Company	Truck License Plate
1	WC-11 (5-8)	ESMI-TCE >25	MGP soil with TCE>25 ppm	BUG000058	Frick Farm	17738PF
2	WC-8 (3-5)	WM Fairless	Non-haz urban fill	12228229	V&E	AX709B
3	WC-8 (3-5)	WM Fairless	Non-haz urban fill	12228230	V&E	AY259E

Dewatering

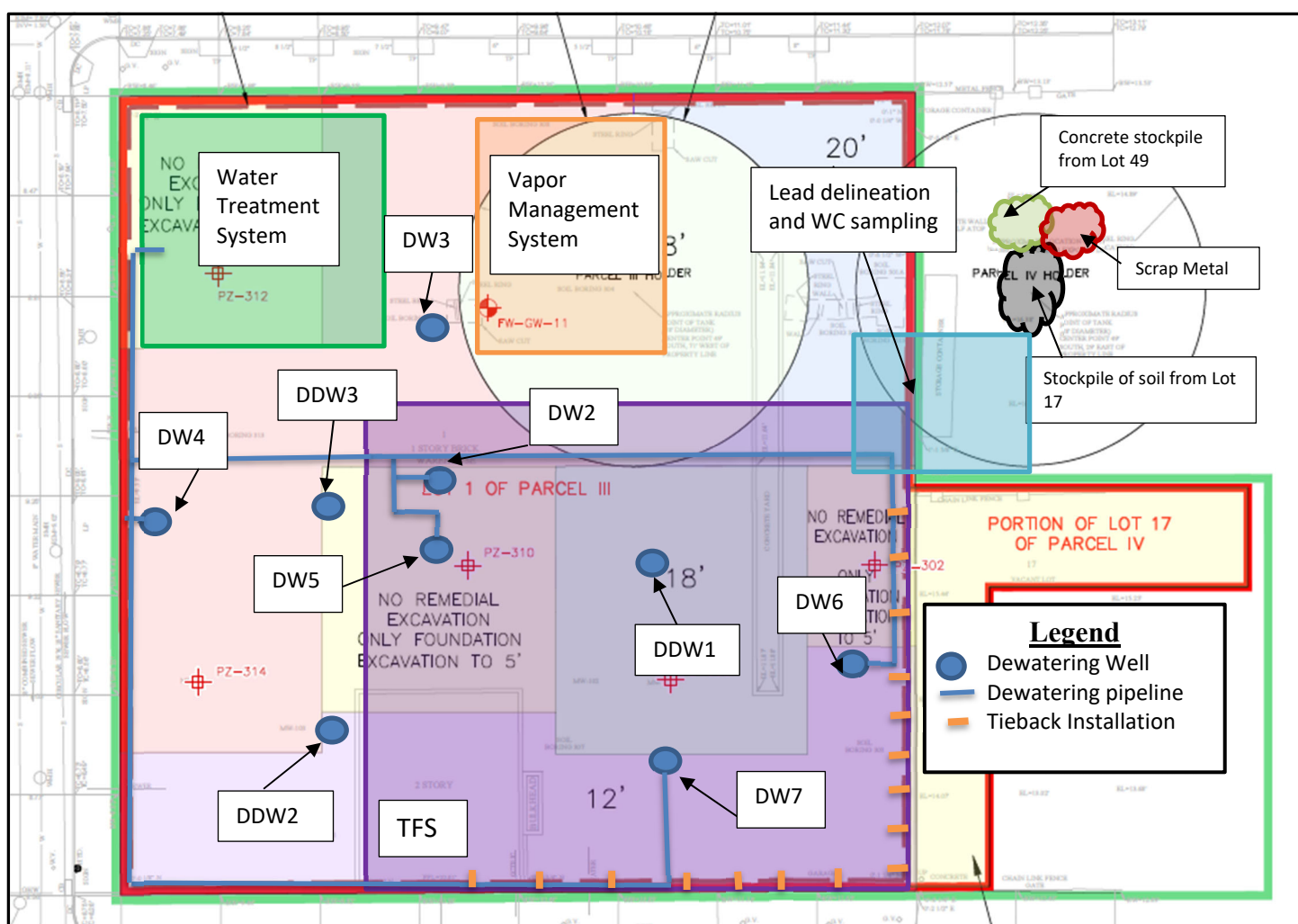
Time	Totalizer Volume (gallons)*
7:30 AM	434,497
8:30 AM	436,219
14:00 PM	441,963
Water treated and discharged since last report:	7,466 gallons

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Anticipated Upcoming Work Activities

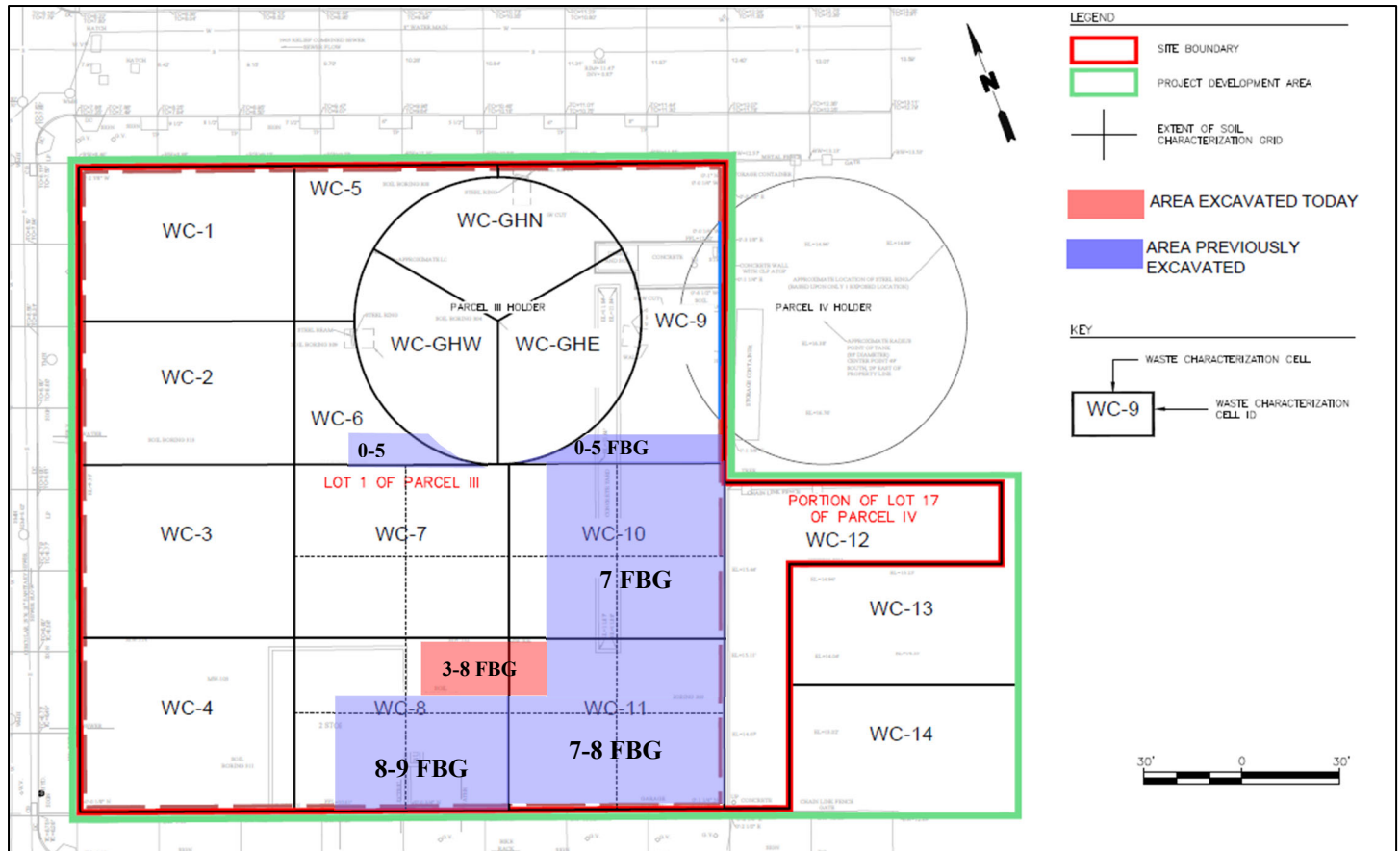
Continued installation of SOE and tiebacks inside the TFS.

Site Layout



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Excavation Diagram



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Photographs of Onsite Work



Photo 1:

Completing lead delineation and waste characterization sampling on Parcel IV (Lot 17).



Photo 2:

CEI loading soil from grid WC-8(3-5)' for disposal to WM Fairless facility