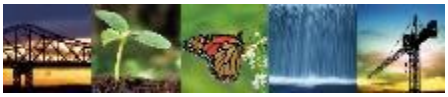
APPENDIX F – DAILY, WEEKLY, MONTHLY FIELD REPORTS



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MONTHLY PROGRESS REPORT

INTERIM REMEDIAL MEASURE
101 EAST 150th STREET, BRONX, NY 10451
Block 2354 Lot 1

BCP SITE NO. C203154

PERIOD: July 10, 2023 to August 11, 2023
REPORT DATE: August 16, 2023
File No.: 41.0163097.00

PREPARED FOR:
586 RIVER AVE., LLC
95 Pine Street, 6th Floor
New York, NY 10005

GOLDBERG-ZOINO ASSOCIATES OF NEW YORK P.C.
D/B/A GZA GEOENVIRONMENTAL OF NEW YORK
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MONTHLY PROGRESS REPORT

101 East 150th Street, Bronx, NY 10451
Brownfield Cleanup Program No. C203154

Monthly Progress Report No. 01
Period: July 10,2023 to August 11, 2023

The following report summarizes the activities performed within the period stated above under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street, Bronx, NY located at the NYC Tax Block 2354, Lot 1 (the Site). The 586 River Ave. LLC (Participant) has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC and the New York State Department of Health (NYSDOH) to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	PERSONNEL
QEP:	GZA
CONTRACTORS:	J&A Concrete
	DeMatteis Organization
SUBCONTRACTORS:	Meuser Rutledge Consulting Engineer (MRCE)
	PT Consultants
	Macro Enterprises
	Independence Carting
	Soil Solutions

I. Activities Conducted During Reporting Month

- **Site Work Summary**
  - Pre-Construction Meeting with NYSDEC on July 10, 2024
  - Excavation was performed along the perimeter soil berms to make way for installation of piles and lagging.
  - J&A Concrete installed soldier pile along the north, northeastern, and northwestern portion of the Site.
  - Demolition of an old buried concrete foundation wall along the western boundary (at A4 and A5) to make way for the installation of soldier pile.
  - Remedial excavation (i.e., down to 2 feet below grade) completed at Grids A1, A2, B1, B2 and C1. Soils were stockpiled or direct loaded into trucks for transportation off-site (see off-site disposal summary, below).

A Site Plan is provided in **Attachment A**.

- **Air Monitoring Summary**
  - CAMP was implemented from July 24, 2023, until August 11, 2023. The CAMP utilized two continuous logging remote telemetry system air monitoring stations (Air Logics 1780 and 1467) outfitted with dust monitors, photoionization detectors, modems, cloud-based data storage and access.

  - There were dust exceedances observed during this monitoring period.
    - On Thursday, July 27, 2023, dust exceeded the threshold level was recorded at the upwind CAMP station. The one exceedance detected during this monitoring period was at upwind station at prestart condition, not a 15-minute time weighted average. It was not indicative of site conditions and occurred during system warmup. PM10 dropped to below threshold levels immediately after start-up.

  - There were VOC exceedances observed during this monitoring period.
    - On Monday, July 31, 2023, VOC exceeded the threshold level at the downwind and upwind CAMP stations. The VOC exceedances noted were due to calibration/re-calibration of CAMP station equipment. They were not indicative of site conditions as levels fell below threshold upon end of calibration.

- **Off-Site Disposal Summary**
  A total of **214 truckloads** (approximately 4,280 cubic yards) of non-hazardous material were hauled off-Site by Munoz Trucking, Corp. (Part 364 Waste Transporter Permit No. NJ -777). The materials were transported to PPark of Prospect Park, NJ (under Approval No. 23-104, dated July 13, 2023) and Clean Earth of Carteret, NJ (under Approval No. 233070971, dated July 25, 2023 and Approval No. 2330815588, dated July 27, 2023).

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Total	**53**	**1,060**	**161**	**3,220**	**214**	**4,280**

- **Imported Fill Summary**

  No fill was imported to the Site during this monitoring period.

- **Samples Collected This Monitoring Period**
  - On July 28, 2023, endpoint samples EP-01, EP-02, and EP-05 from grid A4 at 5-feet below ground surface (bgs).
  - On July 31, 2023, endpoint samples EP-03 and EP-04 from grid A-4 at 5-feet below bgs and EP-21 through EP-25 from grid D-4 at 8-feet bgs.

- **Samples Results This Monitoring Period**
  No results to report during this monitoring period.

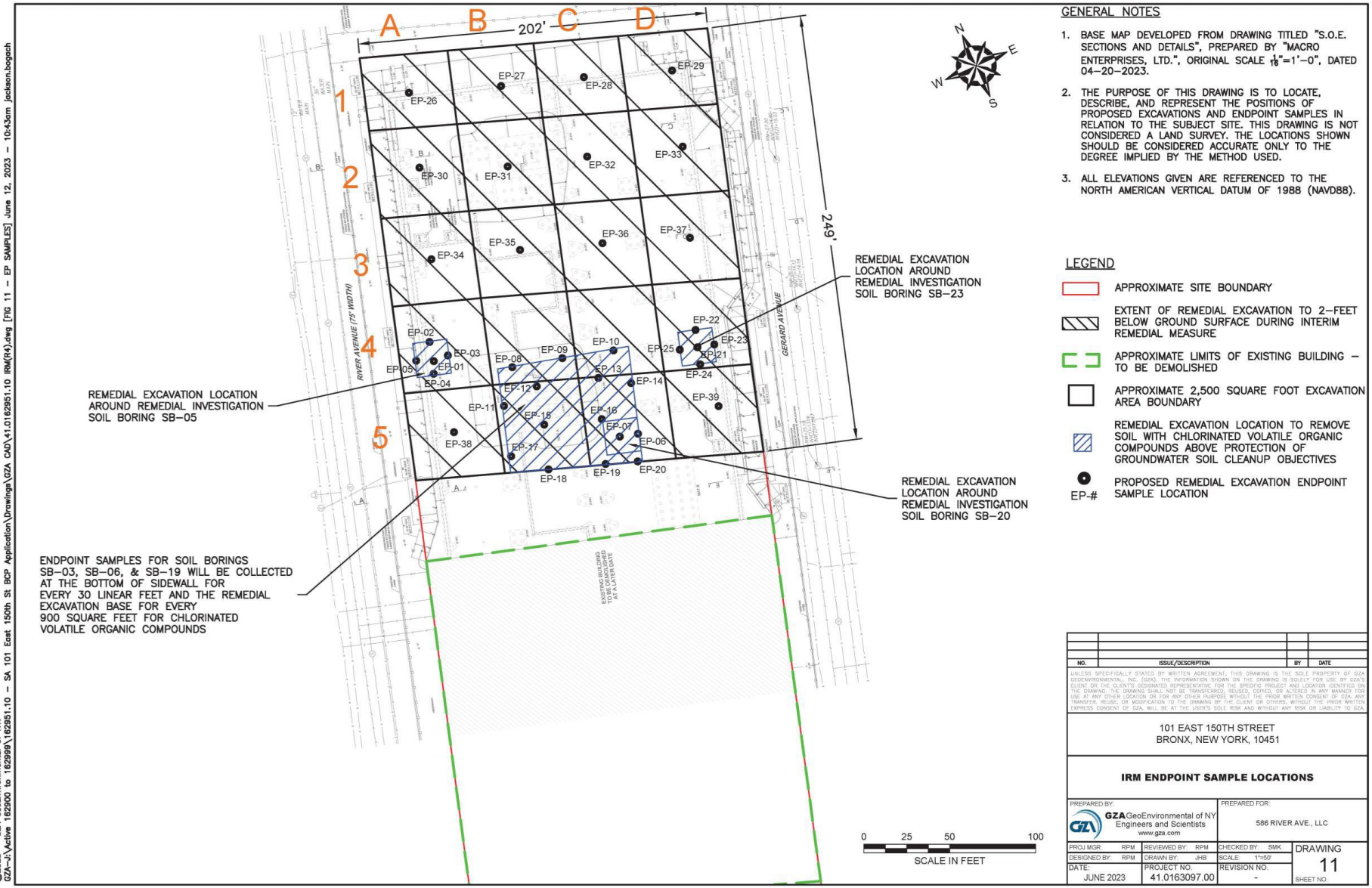
- **Deliverables Submitted During This Monitoring Period**
  - Daily Field Reports No. 1 to No. 15
  - CPP and IRM Certification of Mailing, dated July 12, 2023
  - Disposal Facility Notification and Facility Approvals from Clean Earth and PPark , dated Jul 14, 2023
  - Proposed Reduction on PFAS Sampling
  - BCP Supplemental Off-site Remedial Investigation Work Plan, dated August 7, 2023
  - Contractor submittals on RCA / Stone for ramp and truck wash, dated August 8, 2023

II. **Anticipated Activities-Monitoring Period of August 12, 2023, through August 31, 2023**

- Importation of fill material.
- Pile installation along the eastern and western border of the IRM Area.
- Excavation at areas for foundation elements and elevator pits.
- Trucking of soils for off-site disposal to Clean Earth and PPark.
- Endpoint sampling and laboratory testing.

ATTACHMENT A

SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'-0", DATED 04-20-2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2-FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING - TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	PREPARED FOR: 586 RIVER AVE., LLC
PROJ MGR: RPM	REVIEWED BY: RPM
DESIGNED BY: RPM	DRAWN BY: JHB
DATE: JUNE 2023	PROJECT NO. 41.0163097.00
CHECKED BY: SMK	SCALE: 1"=50'
REVISION NO. -	DRAWING 11 SHEET NO.

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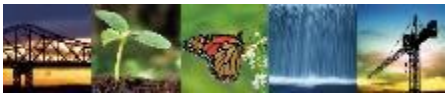
GZA-J:\Active 162900 to 162999\162951.10 - SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 - EP SAMPLES] June 12, 2023 - 10:43am jackson.bogach

GZA GeoEnvironmental of New York



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MONTHLY PROGRESS REPORT

INTERIM REMEDIAL MEASURE
101 EAST 150th STREET, BRONX, NY 10451
Block 2354 Lot 1

BCP SITE NO. C203154

PERIOD: August 14, 2023 to September 1, 2023
REPORT DATE: September 11, 2023
File No.: 41.0163097.00

PREPARED FOR:
586 RIVER AVE., LLC
95 Pine Street, 6th Floor
New York, NY 10005

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MONTHLY PROGRESS REPORT

101 East 150th Street, Bronx, NY 10451
Brownfield Cleanup Program No. C203154

Monthly Progress Report No. 02
Period: August 14,2023 to September 1, 2023

The following report summarizes the activities performed within the period stated above under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street, Bronx, NY located at the NYC Tax Block 2354, Lot 1 (the Site). The 586 River Ave. LLC (Participant) has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC and the New York State Department of Health (NYSDOH) to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	PERSONNEL
QEP:	GZA
CONTRACTORS:	J&A Concrete
	DeMatteis Organization
SUBCONTRACTORS:	Meuser Rutledge Consulting Engineer (MRCE)
	PT Consultants
	Macro Enterprises
	Independence Carting
	Soil Solutions
	Cousin Metal Industries Inc.

I. Activities Conducted During Reporting Month

- **Site Work Summary**
  - Site walkthrough meeting with NYSDEC on August 23, 2023.
  - Soil Solutions drove piles in Grids A2, A3, B1, B2, B3, B4, B5, C1, C2, C3, C4, D2, D3, D4, and D5
  - Macro Enterprises installed tiebacks and walers for support of excavation along the eastern property boundary (Grids D1, D2, D3, D4, and D5) .
  - Demolition of an old buried concrete foundation wall along the western boundary (at B4,B5, and C5).
  - Remedial excavation (i.e., down to 2 feet below grade) completed at Grids B4, B5, C3, D1, D2, D3, D4, and D5. Soils were stockpiled or direct loaded into trucks for transportation off-site (see off-site disposal summary, below).
  - Installation of dewatering system along western portion of the Site along Grid A3.

A Site Plan is provided in **Attachment A**.

- **Air Monitoring Summary**
  - CAMP was implemented during workdays from August 14, 2023, until September 1, 2023 . The CAMP utilized two continuous logging remote telemetry system air monitoring stations (Air Logics 1780 and 1467) outfitted with dust monitors, photoionization detectors, modems, cloud-based data storage and access.

  - There were no vapor or particulate exceedances noted during this monitoring period.

- **Off-Site Disposal Summary**

  - A total of **236 truckloads** (approximately 4,720 cubic yards) of non-hazardous material were hauled off-Site by Munoz Trucking, Corp. (Part 364 Waste Transporter Permit No. NJ -777). The materials were transported to PPark of Prospect Park, NJ (under Approval No. 23-104, dated July 13, 2023), Clean Earth of Carteret, NJ (under Approval No. 233070971, dated July 25, 2023), and Clean Earth of North Jersey Inc. (under Approval No. 2330815588, dated July 27, 2023).

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
This Month	**20**	**400**	**215**	**4,300**	**1**	**20**	**236**	**4,720**
Previous Month	53	1,060	161	3,220	0	0	214	4,280
Total	73	1,460	376	7,520	1	20	450	9,000

- **Imported Material Summary**

  - Two truckloads of ASTM #2 (2 ½") stones from Stavola Construction Materials, Inc. were delivered and stockpiled in B4 by Shamrock Materials, LLC. The stones were then spread over the truck wash area in grid B4.

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Total	**2**	**52.30**	**2**	**52.30**

- **Samples Collected This Monitoring Period**

  - On August 18, 2023, endpoint samples EP-26, EP-27, EP-28, EP-29, EP-30, EP-33, EP-34, and EP-35 from grids A1, B1, C1, D1, A2, D2, A3, and B3, respectively, at 5-feet below ground surface (bgs).

- **Samples Results This Monitoring Period**
  - On August 28, 2023, GZA submitted to NYSDEC, the preliminary endpoint sample results samples EP-01 to EP -05 were collected at 5 feet below ground surface (bgs), and EP-21 to EP-25 were collected at 8 feet bgs. (See **Attachment B**)

- **Deliverables Submitted During This Monitoring Period**
  - Daily Field Reports No. 16 to No. 30
  - Contractor submittal (Request to Import Form) for 2 ½ " stone for the truck wash area from Stavola Construction Materials Inc., dated August 17, 2023
  - Preliminary Endpoint Sample Results for EP-01 to EP-05, and EP-21 to EP-25, dated August 28, 2023
  - Supplementary Interim Remedial Measure, dated August 16, 2023.

- **Meetings**
  - On August 29, 2033, held an online meeting with NYSDEC to discuss Supplemental IRM.

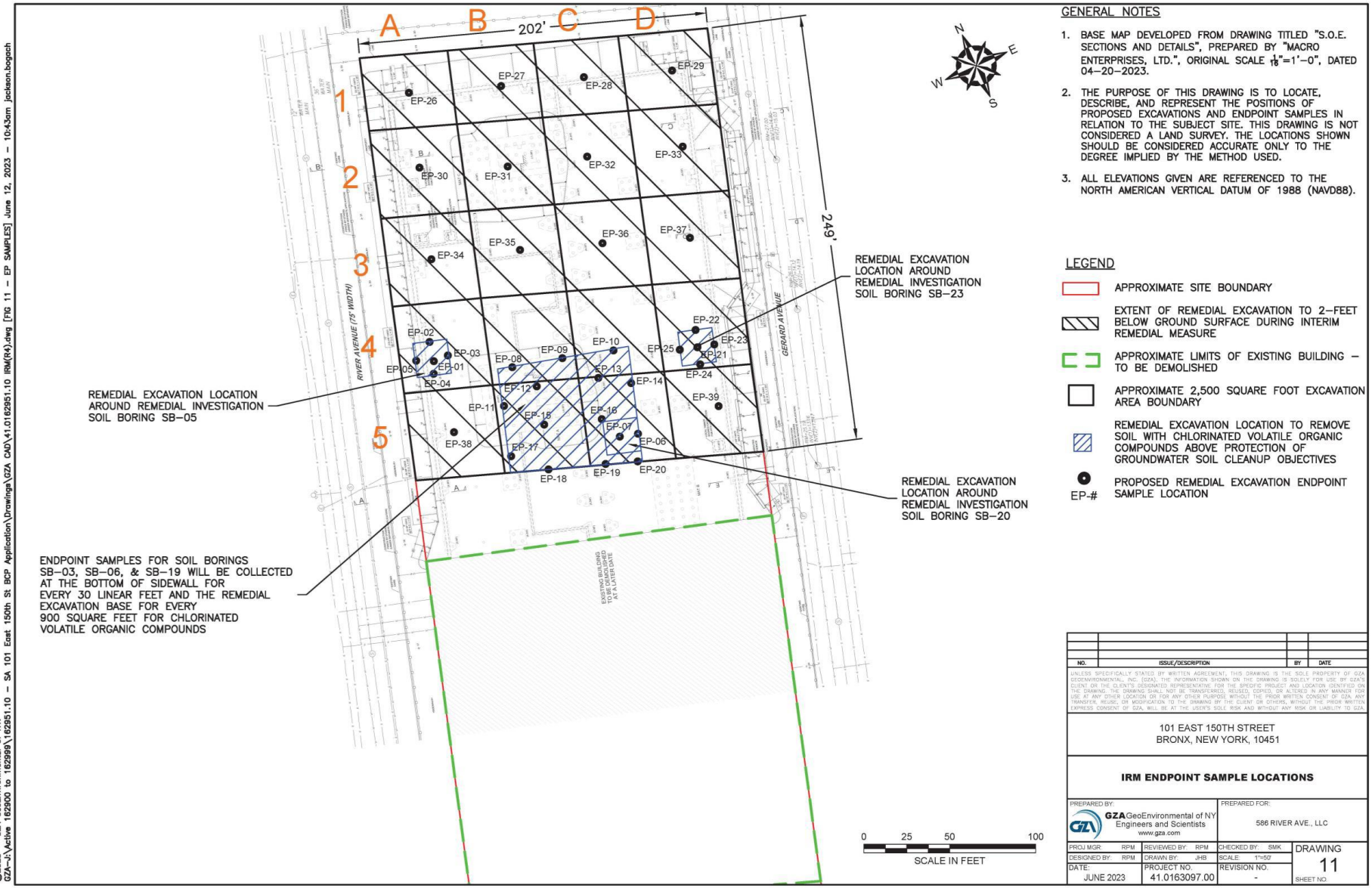
II. Anticipated Activities-Monitoring Period of September 11, 2023, through September 29, 2023

- Importation of material (additional gravel for truck wash and subbase).
- Pile installation along the southern portion of the IRM Area.
- Excavation at areas for pile caps and elevator pits.
- Filling available piles with concrete
- Trucking of soils for off-site disposal to Clean Earth and PPark.
- Installation of dewatering wells north of the Site. Preparation of dewatering system.
- Install vapor barrier / waterproofing membrane on pile caps.
- Endpoint sampling and laboratory testing.

See **Attachment C** for the Two-Week Look Ahead schedule.

ATTACHMENT A

SITE PLAN



GENERAL NOTES

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2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
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LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2-FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING - TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY, Engineers and Scientists, www.gza.com	PREPARED FOR: 586 RIVER AVE., LLC
PROJ MGR: RPM	REVIEWED BY: RPM
DESIGNED BY: RPM	DRAWN BY: JHB
DATE: JUNE 2023	PROJECT NO.: 41.0163097.00
CHECKED BY: SMK	SCALE: 1"=50'
REVISION NO.: -	DRAWING SHEET NO.: 11

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GZA-J:\Active 162900 to 162999\162951.10 - SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 - EP SAMPLES] June 12, 2023 - 10:43am jackson.bogach

ATTACHMENT B

PRELIMINARY ENDPOINT RESULTS

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M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Reinbill P. Maniquez, CHMM

Date: August 28, 2023

Re: Preliminary Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
NYSDEC Site No: C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the preliminary endpoint sample results to the New York State Department of Environmental Conservation (NYSDEC) for the 586 River Ave., LLC (Owner) for the Success Academy Charter School Construction Project located 101 East 150th Street, Bronx, New York (Site).

This preliminary endpoint results is being submitted as a partial fulfillment of the requirements stated to the Interim Remedial Measure (IRM) Work Plan dated June 2023 prepared for the Brownfield Cleanup Program (BCP) Site No. C203154. The endpoint sample locations are shown in Drawing 1 – IRM Remedial Excavation and Proposed Endpoint Sample Locations.

The laboratory analytical results for samples EP-01 to EP -05 were collected at 5 feet below ground surface (bgs), and EP-21 to EP-25 were collected at 8 feet bgs. The results are summarized in the following tables:

- Table 1 – Volatile Organic Compounds in Endpoint Soil Samples
- Table 2 – Semi-volatile Organic Compounds in Endpoint Soil Samples
- Table 3 – Total Metals in Endpoint Soil Samples
- Table 4 – Pesticides and Polychlorinated Biphenyls in Endpoint Soil Samples
- Table 5 - Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples

The laboratory reports (Project ID No. L2343822 and L234987) were prepared by Alpha Analytical Laboratories of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)- certified laboratory.

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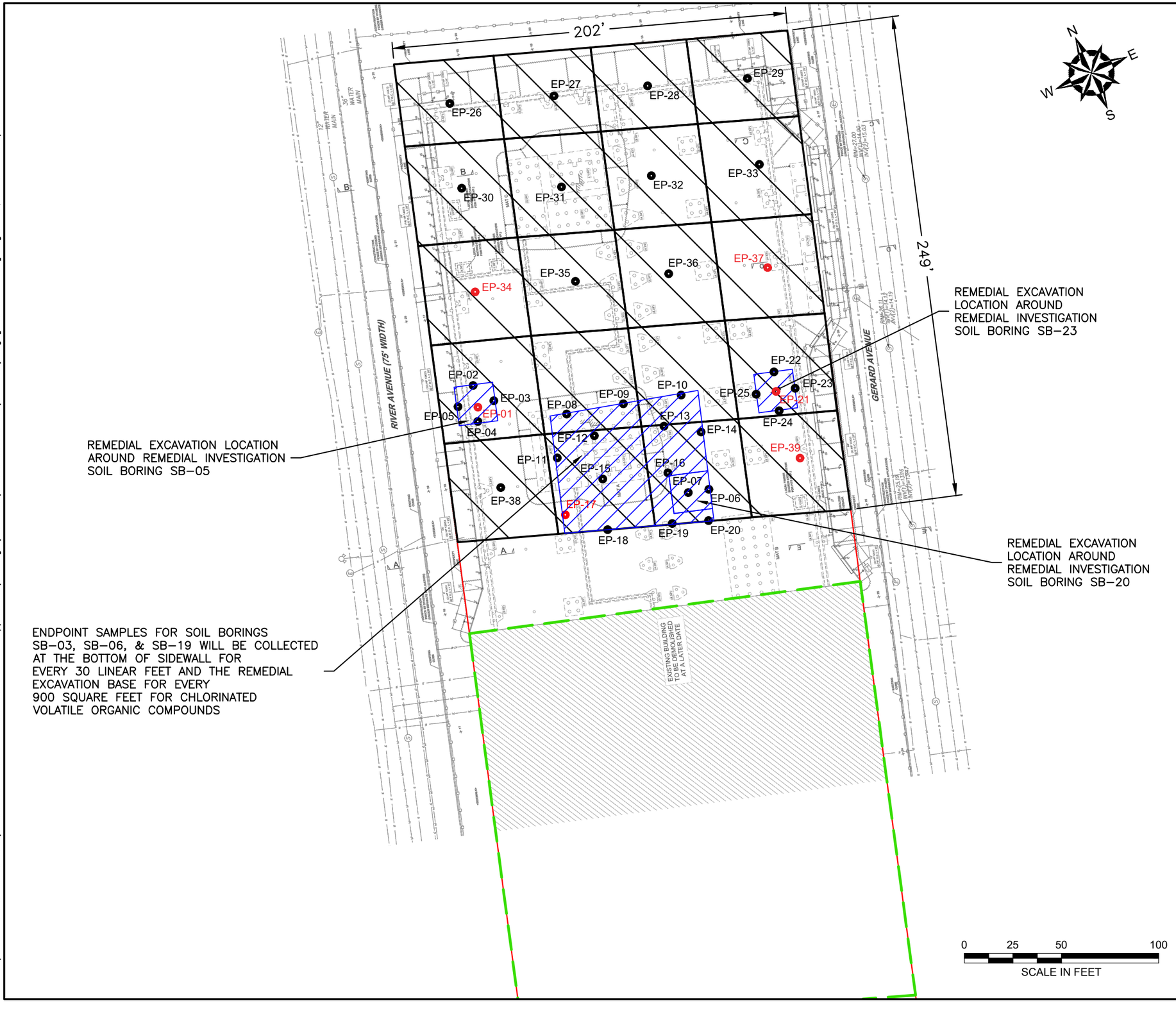
FIGURES



GENERAL NOTES

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LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2-FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING - TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION INCLUDING PFAS ANALYSIS
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM REMEDIAL EXCAVATION AND PROPOSED ENDPOINT SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 1
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: AUGUST 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA-J:\Active 162900 to 162999\162951.10 - SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4_PFAS).dwg [DWG 3 - PFAS] August 16, 2023 - 1:15pm Nolan.Quinn

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-21		EP-22		EP-23		EP-24		EP-25	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2343987-04 R2		L2343987-03 R1		L2343987-01		L2343987-02		L2343987-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		8		8		8		8		8	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																							
1,1,1,2-Tetrachloroethane	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0022		0.00035	J	0.0024		0.0023		0.00033	J	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
1,1,2-Trichloroethane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,1-Dichloroethane	0.27	26	0.27	0.00046	J	0.00099	U	0.00041	J	0.00091		0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,1-Dichloropropene	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
1,2,3-Trichlorobenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,2,3-Trichloropropane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	90		58		0.5		0.015		3.5	U
1,2,4-Trichlorobenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	**680**	**E**	**470**	**E**	1.8		0.001	J	**5.6**	
1,2-Dibromo-3-chloropropane	--	--	--	0.0031	U	0.003	U	0.0029	U	0.0024	U	0.0033	U	2	U	1.1	U	0.13	U	0.0029	U	0.1	U
1,2-Dibromoethane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,2-Dichloroethane	0.02	3.1	0.02	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,2-Dichloroethene, Total	--	--	--	0.001	U	0.00099	U	0.0003	J	0.0012		0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,2-Dichloropropane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	**210**	**E**	**140**	**E**	0.62		0.0002	J	0.29	
1,3-Dichlorobenzene	2.4	49	2.4	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,3-Dichloropropane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,3-Dichloropropene, Total	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,4-Dioxane	0.1	13	0.1	0.083	U	0.079	U	0.077	U	0.064	U	0.088	U	52	U	30	U	3.4	U	0.077	U	2.8	U
2,2-Dichloropropane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
2-Butanone	0.12	100	0.12	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0056	J	0.34	U
2-Hexanone	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0096	U	0.34	U
4-Methyl-2-pentanone	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0096	U	0.34	U
Acetone	0.05	100	0.05	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.012		0.34	U
Acrylonitrile	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	2.6	U	1.5	U	0.17	U	0.0038	U	0.14	U
Benzene	0.06	4.8	0.06	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Bromobenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Bromochloromethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Bromodichloromethane	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Bromoform	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	2.6	U	1.5	U	0.17	U	0.0038	U	0.14	U
Bromomethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.034	J	0.0019	U	0.069	U
Carbon disulfide	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0096	U	0.34	U
Carbon tetrachloride	0.76	2.4	0.76	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
Chlorobenzene	1.1	100	1.1	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Chloroethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Chloroform	0.37	49	0.37	0.0016	U	0.0015	U	0.0014	U	0.0012	U	0.0016	U	0.98	U	0.56	U	0.064	U	0.0014	U	0.052	U
Chloromethane	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	2.6	U	1.5	U	0.17	U	0.0038	U	0.14	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.001	U	0.00099	U	0.0003	J	0.0012		0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
cis-1,3-Dichloropropene	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Dibromochloromethane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
Dibromomethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Dichlorodifluoromethane	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0096	U	0.34	U
Ethyl ether	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Ethylbenzene	1	41	1	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	**70**		**50**		0.028	J	0.052		0.31	
Hexachlorobutadiene	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	2.6	U	1.5	U	0.17	U	0.0038	U	0.14	U
Isopropylbenzene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	24		17		0.048		0.0081		0.3	
Methyl tert butyl ether	0.93	100	0.93	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Methylene chloride	0.05	100	0.05	0.0052	U	0.0049	U	0.0048	U	0.004	U	0.0055	U	3.3	U	1.9	U	0.21	U	0.0048	U	0.17	U
n-Butylbenzene	12	100	12	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	**45**		**29**		0.21		0.0025		1.2	
n-Propylbenzene	3.9	100	3.9	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	**83**		**59**		0.26		0.019		1.3	
Naphthalene	12	100	12	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	**110**		**82**		0.19		0.0052		0.5	
o-Chlorotoluene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
o-Xylene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	140		57		0.032	J	0.00051	J	0.086	
p-Chlorotoluene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
p-Diethylbenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	270	E	190	E	1.5		0.0038		1.2	
p-Ethyltoluene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	450	E	290	E	0.6		0.0031		0.62	
p-Isopropyltoluene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	12		6.7		0.056		0.00059	J	0.56	
p/m-Xylene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	330		210		0.041	J	0.007		0.098	
sec-Butylbenzene	11	100	11	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	**15**		10		0.07		0.0017		0.56	
Styrene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
tert-Butylbenzene	5.9	100	5.9	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.4		0.94		0.0061	J	0.00041	J	0.055	J
Tetrachloroethene	1.3	19	1.3	0.0017		0.001		0.0015		0.0012		0.0027		0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Toluene	0.7	100	0.7	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.46	J	0.38	U	0.042	U	0.00096	U	0.034	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0016	U	0.0015	U	0.0014	U	0.0012	U	0.0016	U	0.98	U	0.56	U	0.064	U	0.0014	U	0.052	U
trans-1,3-Dichloropropene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0052	U	0.0049	U	0.0048	U	0.004	U	0.0055	U	3.3	U	1.9	U	0.21	U	0.0048	U	0.17	U
Trichloroethene	0.47	21	0.47	0.00021	J	0.00049	U	0.0013		0.0028		0.00076		0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Trichlorofluoromethane	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	2.6	U	1.5	U	0.17	U	0.0038	U	0.14	U
Vinyl acetate	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0096	U	0.34	U
Vinyl chloride	0.02	0.9	0.02	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	**470**		**270**		0.073	J	0.0075	J	0.18	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-21		EP-22		EP-23		EP-24		EP-25	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2343987-04 R1		L2343987-03 R1		L2343987-01		L2343987-02		L2343987-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		8		8		8		8		8	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																							
1,2,4,5-Tetrachlorobenzene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
1,2,4-Trichlorobenzene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
1,3-Dichlorobenzene	2.4	49	2.4	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
1,4-Dichlorobenzene	1.8	13	1.8	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.027	U	0.027	U	0.027	U	0.028	U	0.028	U	0.029	U	0.031	U	0.031	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2,4-Dinitrophenol	--	--	--	0.91	U	0.85	U	0.88	U	0.86	U	0.88	U	0.89	U	0.92	U	1	U	0.98	U	0.9	U
2,4-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2,6-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Chloronaphthalene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Chlorophenol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Methylnaphthalene	--	--	--	0.23	U	0.21	U	0.22	U	0.22	U	0.22	U	23	E	21	E	0.21	J	0.24	U	5.2	
2-Methylphenol	0.33	100	0.33	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Nitrophenol	--	--	--	0.41	U	0.38	U	0.39	U	0.39	U	0.4	U	0.4	U	0.42	U	0.45	U	0.44	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.26	U	0.26	U	0.26	U	0.26	U	0.27	U	0.28	U	0.3	U	0.29	U	0.27	U
3-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
4,6-Dinitro-o-cresol	--	--	--	0.49	U	0.46	U	0.47	U	0.46	U	0.48	U	0.48	U	0.5	U	0.54	U	0.53	U	0.49	U
4-Bromophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Chloroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Chlorophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Nitrophenol	--	--	--	0.26	U	0.25	U	0.26	U	0.25	U	0.26	U	0.26	U	0.27	U	0.29	U	0.29	U	0.26	U
Acenaphthene	20	100	98	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.022	J	0.15	U	0.17	U	0.16	U	0.023	J
Acenaphthylene	100	1000	107	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Acetophenone	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Anthracene	100	100	1000	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Benzo(a)anthracene	1	1	1	0.13		0.11	U	0.11	U	0.11	U	0.16		0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Benzo(a)pyrene	1	1	22	0.18		0.14	U	0.15	U	0.14	U	0.18		0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Benzo(b)fluoranthene	1	1	1.7	0.2		0.11	U	0.11	U	0.11	U	0.21		0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Benzo(ghi)perylene	100	100	1000	0.12	J	0.14	U	0.15	U	0.14	U	0.12	J	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.045	J	0.11	U	0.11	U	0.11	U	0.066	J	0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Benzoic Acid	--	--	--	0.61	U	0.58	U	0.59	U	0.58	U	0.59	U	0.6	U	0.62	U	0.67	U	0.66	U	0.61	U
Benzyl Alcohol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Biphenyl	--	--	--	0.43	U	0.41	U	0.42	U	0.41	U	0.42	U	0.17	J	0.15	J	0.47	U	0.47	U	0.17	J
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.2	U	0.19	U	0.2	U	0.2	U	0.21	U	0.22	U	0.22	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	0.23	U	0.21	U	0.22	U	0.22	U	0.22	U	0.22	U	0.23	U	0.25	U	0.24	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.067	J	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Butyl benzyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Carbazole	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Chrysene	1	3.9	1	0.12		0.11	U	0.11	U	0.11	U	0.14		0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Di-n-butylphthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Di-n-octylphthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.029	J	0.11	U	0.11	U	0.11	U	0.027	J	0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Dibenzofuran	7	59	210	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.019	J	0.21	U	0.2	U	0.19	U
Diethyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Dimethyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Fluoranthene	100	100	1000	0.23		0.11	U	0.11	U	0.11	U	0.27		0.11	U	0.12	U	0.12	U	0.12	U	0.023	J
Fluorene	30	100	386	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.024	J	0.022	J	0.21	U	0.2	U	0.038	J
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Hexachlorobutadiene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Hexachlorocyclopentadiene	--	--	--	0.54	U	0.51	U	0.52	U	0.51	U	0.52	U	0.53	U	0.55	U	0.59	U	0.58	U	0.54	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.14	J	0.14	U	0.15	U	0.14	U	0.15		0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Isophorone	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
n-Nitrosodi-n-propylamine	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Naphthalene	12	100	12	0.038	J	0.18	U	0.18	U	0.18	U	0.18	U	**30**	**E**	**24**	**E**	0.12	J	0.2	U	2.2	
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
p-Chloro-m-cresol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Phenanthrene	100	100	1000	0.12		0.11	U	0.11	U	0.11	U	0.14		0.05	J	0.053	J	0.12	U	0.12	U	0.072	J
Phenol	0.33	100	0.33	0.053	J	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Pyrene	100	100	1000	0.21		0.11	U	0.11	U	0.11	U	0.24		0.019	J	0.12	U	0.12	U	0.12	U	0.028	J

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-21		EP-22		EP-23		EP-24		EP-25	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2343987-04		L2343987-03		L2343987-01		L2343987-02		L2343987-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		8		8		8		8		8	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																							
Aluminum, Total	--	--	--	6380		5050		6730		5700		8610		3620		4210		4020		3970		3840	
Antimony, Total	--	--	--	4.38	U	4.08	U	0.441	J	4.21	U	0.495	J	4.44	U	4.69	U	4.88	U	4.76	U	4.5	U
Arsenic, Total	13	16	16	3.93		1.38		0.981		1.18		4.66		0.684	J	0.578	J	0.921	J	0.936	J	0.487	J
Barium, Total	350	400	820	54.1		30.8		47.5		27.4		78.1		14.1		18		19.5		15.1		18.1	
Beryllium, Total	7.2	72	47	0.327	J	0.25	J	0.478		0.317	J	0.433	J	0.278	J	0.327	J	0.32	J	0.315	J	0.308	J
Cadmium, Total	2.5	4.3	7.5	0.172	J	0.817	U	0.095	J	0.092	J	0.185	J	0.095	J	0.098	J	0.108	J	0.951	U	0.901	U
Calcium, Total	--	--	--	9130		764		932		668		29200		556		486		554		683		510	
Chromium, Total*	1	180	--	11.7		8.27		9.33		8.33		16.1		7.71		7.32		8.05		7.65		7.19	
Colbalt, Total	--	--	--	4.2		2.51		3.28		3.65		5.56		4.25		3.69		3.54		3.9		3.3	
Copper, Total	50	270	1720	35.4		7.13		4.95		5.48		30.7		5.86		6.21		7.02		6.68		5.5	
Iron, Total	--	--	--	12000		6850		7370		8260		13000		7300		7530		8160		8300		6770	
Lead, Total	63	400	450	**90.3**		13.3		6.03		12.7		**122**		19.1		14.2		6.57		4.73	J	14.9	
Magnesium, Total	--	--	--	2210		1210		1500		1660		3110		1650		1890		1740		1900		1570	
Manganese, Total	1600	2000	2000	268		229		600		287		383		115		129		163		120		71.9	
Mercury, Total	0.18	0.81	0.73	**0.278**		0.064	J	0.076	U	0.06	J	**0.399**		0.077	U	0.081	U	0.093	U	0.081	U	0.08	U
Nickel, Total	30	310	130	8.98		5.54		6.28		6.4		12.6		7.7		7.77		8.2		7.56		6.76	
Potassium, Total	--	--	--	892		258		348		381		1320		552		673		541		576		597	
Selenium, Total	3.9	180	4	1.75	U	1.63	U	1.66	U	1.68	U	1.77	U	1.78	U	1.88	U	1.95	U	1.9	U	1.8	U
Silver, Total	2	180	8.3	0.438	U	0.408	U	0.415	U	0.421	U	0.442	U	0.444	U	0.469	U	0.488	U	0.476	U	0.45	U
Sodium, Total	--	--	--	195		45.8	J	64.2	J	65.6	J	114	J	61.3	J	67.6	J	77.4	J	91.5	J	72.8	J
Thallium, Total	--	--	--	1.75	U	1.63	U	1.66	U	1.68	U	1.77	U	1.78	U	1.88	U	1.95	U	1.9	U	0.294	J
Vanadium, Total	--	--	--	17.9		9.04		9.88		11		21.4		9.18		9.07		10.6		10.7		7.83	
Zinc, Total	109	10000	2480	105		18.8		18.1		19.9		87.7		16.5		17.9		16.8		17.8		14.9	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-21		EP-22		EP-23		EP-24		EP-25	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2343987-04		L2343987-03		L2343987-01		L2343987-02		L2343987-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		8		8		8		8		8	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																							
4,4'-DDD	0.0033	13	14	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
4,4'-DDE	0.0033	8.9	17	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
4,4'-DDT	0.0033	7.9	136	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Aldrin	0.005	0.097	0.19	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Alpha-BHC	0.02	0.48	0.02	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000721	U	0.00074	U	0.000834	U	0.000826	U	0.000762	U
Beta-BHC	0.036	0.36	0.09	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Chlordane	--	--	--	0.0149	U	0.0134	U	0.0142	U	0.0145	U	0.0144	U	0.0144	U	0.0148	U	0.0167	U	0.0165	U	0.0152	U
cis-Chlordane	0.094	4.2	2.9	0.00223	U	0.00201	U	0.00213	U	0.00218	U	0.00216	U	0.00216	U	0.00222	U	0.0025	U	0.00248	U	0.00229	U
Delta-BHC	0.04	100	0.25	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Dieldrin	0.005	0.2	0.1	0.00112	U	0.00101	U	0.00106	U	0.00109	U	0.00108	U	0.00108	U	0.00111	U	0.00125	U	0.00124	U	0.00114	U
Endosulfan I	2.4	24	102	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Endosulfan II	2.4	24	102	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Endosulfan sulfate	2.4	24	1000	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000721	U	0.00074	U	0.000834	U	0.000826	U	0.000762	U
Endrin	0.014	11	0.06	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000721	U	0.00074	U	0.000834	U	0.000826	U	0.000762	U
Endrin aldehyde	--	--	--	0.00223	U	0.00201	U	0.00213	U	0.00218	U	0.00216	U	0.00216	U	0.00222	U	0.0025	U	0.00248	U	0.00229	U
Endrin ketone	--	--	--	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Heptachlor	0.042	2.1	0.38	0.000893	U	0.000806	U	0.000853	U	0.00087	U	0.000866	U	0.000866	U	0.000888	U	0.001	U	0.000991	U	0.000915	U
Heptachlor epoxide	--	--	--	0.00335	U	0.00302	U	0.0032	U	0.00326	U	0.00325	U	0.00324	U	0.00333	U	0.00375	U	0.00372	U	0.00343	U
Lindane	0.1	1.3	0.1	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000721	U	0.00074	U	0.000834	U	0.000826	U	0.000762	U
Methoxychlor	--	--	--	0.00335	U	0.00302	U	0.0032	U	0.00326	U	0.00325	U	0.00324	U	0.00333	U	0.00375	U	0.00372	U	0.00343	U
Toxaphene	--	--	--	0.0335	U	0.0302	U	0.032	U	0.0326	U	0.0325	U	0.0324	U	0.0333	U	0.0375	U	0.0372	U	0.0343	U
trans-Chlordane	--	--	--	0.00223	U	0.00201	U	0.00213	U	0.00218	U	0.00216	U	0.00216	U	0.00222	U	0.0025	U	0.00248	U	0.00229	U
Polychlorinated Biphenyls by EPA Method 8082A																							
Aroclor 1016	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1221	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1232	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1242	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1254	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1260	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1262	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1268	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
PCBs, Total	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

U: Not detected at the reported detection limit
J: Estimated value. The analyte concentration is below the reporting

Table 5 - Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	NYSDEC PFOA/PFOS guidance values - Unrestricted	NYSDEC PFOA/PFOS guidance values - Restricted Residential	NYSDEC PFOA/PFOS guidance values - Protection of Groundwater	EP-01		EP-21	
LAB SAMPLE ID				7/28/2023		L2343987-04	
DATE				L2343822-03		7/31/2023	
SAMPLE DEPTH (ft.)				5		8	
				Results	Qual	Results	Qual
PFAS by EPA Method 537.1							
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	--	--	0.000789	U	0.000746	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	0.000789	U	0.000298	J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	--	--	0.000197	U	0.000186	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	--	--	0.000197	U	0.000186	U
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	0.000197	U	0.000186	U
Perfluorobutanoic Acid (PFBA)	--	--	--	0.000789	U	0.000746	U
Perfluorodecanesulfonic Acid (PFDS)	--	--	--	0.000197	U	0.000186	U
Perfluorodecanoic Acid (PFDA)	--	--	--	0.000197	U	0.000186	U
Perfluorododecanoic Acid (PFDoA)	--	--	--	0.000197	U	0.000186	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	0.000197	U	0.000186	U
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.000197	U	0.000186	U
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	0.000197	U	0.000186	U
Perfluorohexanoic Acid (PFHxA)	--	--	--	0.000197	U	0.000186	U
Perfluorononanoic Acid (PFNA)	--	--	--	0.000079	J	0.000186	U
Perfluorooctanesulfonamide (FOSA)	--	--	--	0.000197	U	0.000186	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037	0.000323		0.000186	U
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	0.000173	J	0.000186	U
Perfluoropentanoic Acid (PFPeA)	--	--	--	0.000394	U	0.000373	U
Perfluorotetradecanoic Acid (PFTA)	--	--	--	0.000197	U	0.000186	U
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	0.000197	U	0.000186	U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	0.000197	U	0.000186	U
PFOA/PFOS, Total	--	--	--	0.000496	J	0.000186	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

U: Not detected at the reported detection limit for the sample.

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT C

PROJECT SCHEDULE

DeM Builders
THE DEMATTEIS ORGANIZATIONS

2-Week Look Ahead

Contractor		11-Sep M	12-Sep T	13-Sep W	14-Sep Th	15-Sep F	16-Sep Sat	17-Sep Sun	18-Sep M	19-Sep T	20-Sep W	21-Sep Th	22-Sep F	23-Sep Sat	24-Sep Sun	COMMENTS
DeMatteis	Jobsite safety compliance and supervision															
	Cleaning debris and rubbish from jobsite perimeter															
	Setting up/Breaking down temp water manifold on Gerard															
J&A	Digging out and forming the pile caps R to M, 1 to 6 & Mat C															
	Excavating out remaining area L to H, 5 to 6, in the Phase 1 area															
	Filling available piles with concrete															
	Installing DeWatering wells for North site															
	Operating Dewatering equipment															
	Ramp adjustments as needed to finalize pile installation															
Soil Solutions	Installing pile in Mat B area															
	Installing remaining piles from J to H, 1 to 6															
	Demobilizing from site until Phase 2															
	Welding splices as needed															
	Cutting piles for J&A pile caps															
Crown Waterproofing	Mobilize material and equipment to site															
	Installing waterproofing on available pile caps and mat C															
Inspections	CAMP Inspections during excavation work (GZA)															
	Waterproofing monitoring as needed (GZA)															
	SOE monitoring movement (MRCE)															
	Pile Concrete Inspection (AEL, MRCE)															
	Welding inspections (AEL)															
	Pile installation monitoring (MRCE)															

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MONTHLY PROGRESS REPORT

INTERIM REMEDIAL MEASURE
101 EAST 150th STREET, BRONX, NY 10451
Block 2354 Lot 1

BCP SITE NO. C203154

PERIOD: September 5, 2023 to September 29, 2023
REPORT DATE: October 10, 2023
GZA File No.: 41.0163097.00

PREPARED FOR:
586 RIVER AVE., LLC
95 Pine Street, 6th Floor
New York, NY 10005

GOLDBERG-ZOINO ASSOCIATES OF NEW YORK P.C.
D/B/A GZA GEOENVIRONMENTAL OF NEW YORK
104 West 29th Street, 10 Floor | New York, NY, 10001
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MONTHLY PROGRESS REPORT

101 East 150th Street, Bronx, NY 10451
Brownfield Cleanup Program No. C203154

Monthly Progress Report No. 03
Period: September 5,2023 to September 29, 2023

The following report summarizes the activities performed within the period stated above under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street, Bronx, NY located at the NYC Tax Block 2354, Lot 1 (the Site). The 586 River Ave. LLC (Participant) has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC and the New York State Department of Health (NYSDOH) to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

ON-SITE SUMMARY

	COMPANIES/ORGANIZATIONS
QEP:	GZA
CONTRACTORS:	J&A Concrete
	DeMatteis Organization
SUBCONTRACTORS:	Meuser Rutledge Consulting Engineer (MRCE)
	PT Consultants
	Macro Enterprises
	Independence Carting
	Soil Solutions
	Cousin Metal Industries Inc.
	GTR Engineering, LLC (GTR)
	Cardella Waste

I. Activities Conducted During Reporting Month

- **Site Work Summary**
  - Soil Solutions drove piles in Grids A3, B1, B2, B3, B4, B5, C1, C2, C3, C4, C5, D2, D3, D4, and D5
  - Demolition of buried concrete foundation wall along the western boundary (in Grids B4 and B5).
  - J&A Concrete poured concrete in piles in at Grids A1, B1, B2, C1, C2, C4, D1, D2, D3, and D4.
  - GTR performed pile load testing.
  - Remedial excavation (i.e., down to 2 feet below grade) completed at Grids B3, B4, B5, C3, C4, and D3. Soils were stockpiled or direct loaded into trucks for transportation off-site (see off-site disposal summary, below).
  - Relocated the ramp from Grid A4 to B4 to make way for continued installation of piles.
  - Cardella Waste transported C&D waste.
  - Cousin Metal Industries Inc. transported cut-off piles as scrap.

- J&A installed dewatering points in Grid B1, B2, B3, C2, C3, C4, D1, D2, and D3.
- Performed dewatering at dewatering points A1, B1, B2, C1, C2, C3, and D1.

A Site Plan showing the Grids is provided in **Attachment A**.

- **Air Monitoring Summary**
  - CAMP was implemented during workdays from September 5, 2023 until September 29, 2023. The CAMP utilized two continuous logging remote telemetry system air monitoring stations (Air Logics 1780 and 1467) outfitted with dust monitors, photoionization detectors, modems, cloud-based data storage and access.

  - There were no vapor or particulate exceedances noted during this monitoring period.

- **Off-Site Disposal Summary**

  - A total of **27 truckloads** (approximately 540 cubic yards) of non-hazardous material were hauled off-Site by Munoz Trucking, Corp. (Part 364 Waste Transporter Permit No. NJ -777). The materials were transported to Clean Earth of Carteret, NJ (under Approval No. 233070971, dated July 25, 2023).

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY
This Month	**0**	**0**	**27**	**540**	**0**	**0**	**27**	**540**
Previous Disposal	73	1,460	376	7,520	1	20	450	9,000
TOTAL	73	1,460	403	8,060	1	20	477	9,540

- **Imported Material Summary**

  - One truckload of ASTM #2 (2 ½") stones from Stavola Construction Materials, Inc. were delivered and stockpiled in B4 by Shamrock Materials, LLC. The stones were then spread over the truck wash area in Grid B4.

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
This Month	**1**	**26.26**	**1**	**26.26**
Previous Month	2	52.30	2	52.30
TOTAL	3	78.56	3	78.56

- **Samples Collected This Monitoring Period**

  - On September 5, 2023, endpoint samples EP-06, EP-07, EP-14, EP-16, EP-19, EP-20, and EP-39 from Grids C5 and D5 at 5-feet below ground surface (bgs).
  - On September 20, 2023, endpoint samples EP-08, EP-09, EP-11, EP-12, EP-13, EP-15, EP-17, EP-32, EP-36, and EP-37.

- **Samples Results This Monitoring Period**
  - On September 28, 2023, GZA submitted to NYSDEC, the preliminary endpoint sample results samples EP-26 to EP -30 and EP-33 to EP-35 were collected at 5 feet below ground surface (bgs) (See **Attachment B**). The exceedances to soil cleanup objectives from the samples collected to date are shown on the attached spider diagram.

- **Dewatering Discharged this Monitoring Period**
  - Localized dewatering to remove nuisance stormwater and to place concrete in individual pile caps was performed between September 22 to 29, 2023. A total of 9,115.10 gallons of water was pumped, treated, and discharged to the New York City Sewer during this monitoring period.

- **Deliverables Submitted During This Monitoring Period**
  - Daily Field Reports No. 31 to No. 49.
  - September 26, 2023, revised Supplemental Remedial Investigation Work Plan
  - September 27, 2023, Contractor submittal (Request to Import Form) for gas permeable aggregate (3/4" stone) from Tilcon, New York, Inc. from the West Nyack Quarry.
  - September 28, 2023, Preliminary Endpoint Sample Results for EP-26 to EP-30, and EP-33 to EP-35.
  - September 28, 2023, Contractor submittal (Request to Import Form) for #8 gravel (3/8" stone) for the dewatering wells from Shamrock Materials, LLC / Vulcan Materials, of Staten Island, NY.
  - September 29, 2023, Contractor submittal (Request to Import Form) for pipe sand for the backfilling around the piles from North American Aggregates, Perth Amboy, NJ.

- **Meetings**
  - On September 18, 2023, held an online meeting with NYSDEC and NYSDOH to discuss Supplemental Remedial Investigation Work Plan dated August 7, 2023. Coordinated Agency review comments were provided by email on September 20, 2023.

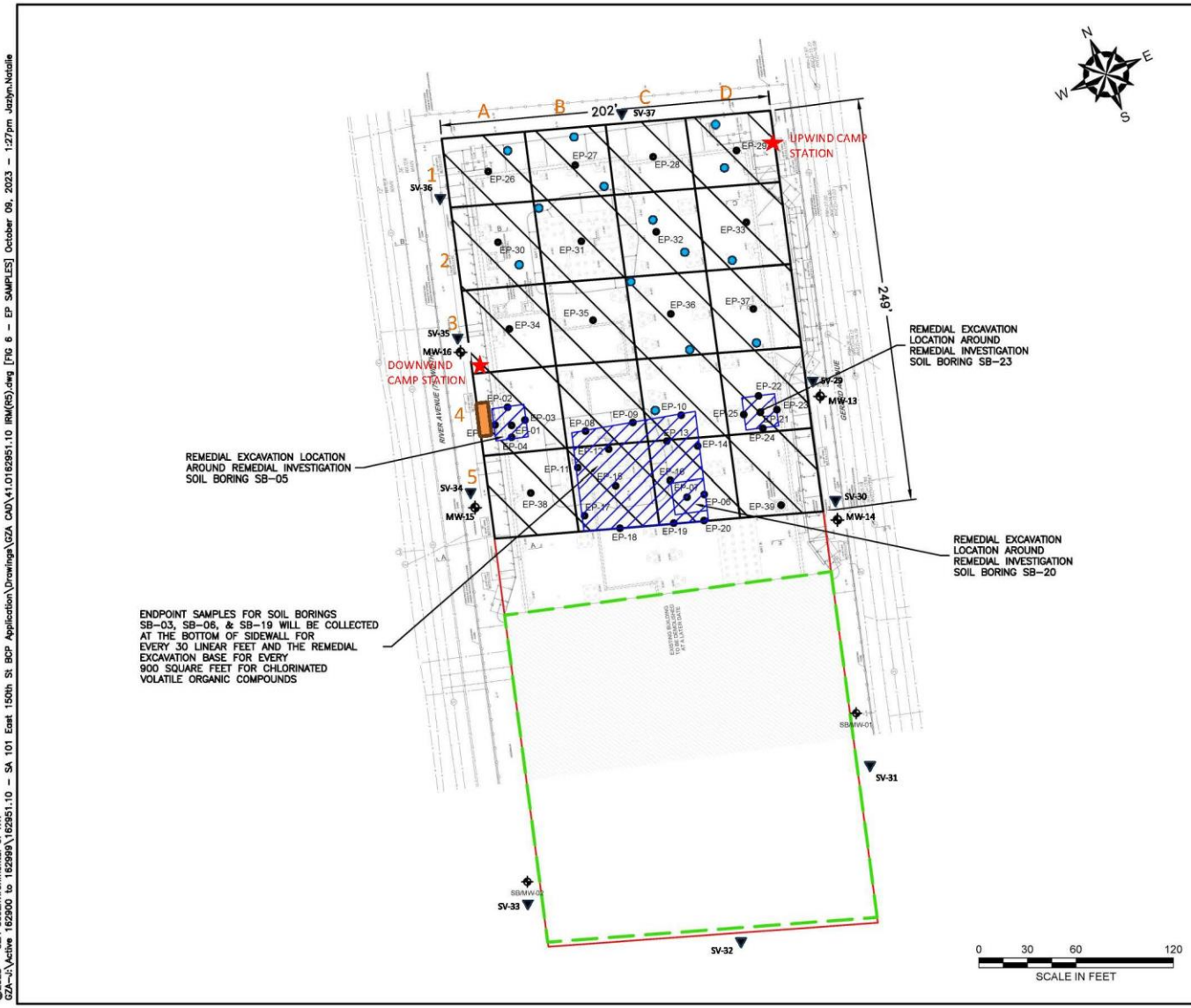
II. Anticipated Activities-Monitoring Period of October 2, 2023, through October 27, 2023

- Importation of material (additional gravel for truck wash and subbase).
- Pile installation and filling available piles with concrete.
- Excavation at areas for pile caps and elevator pits.
- Installation of dewatering wells. Continue dewatering.
- Install vapor barrier / waterproofing membrane on pile caps.
- Install temporary electric shed along River Ave.
- Endpoint sampling and laboratory testing.
- Supplemental Remedial Investigation field work.

See **Attachment C** for the Two-Week Look Ahead schedule.

ATTACHMENT A

SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'-0", DATED 04-20-2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2-FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING - TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- MW-# OFFSITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM SITE PLAN

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	PREPARED FOR: 586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'		
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	1	SHEET NO.

©2023 - GZA GeoEnvironmental of NY
GZA-\\Active 162900 to 162999\162951.10 - SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 RIM(RS).dwg [FIG 6 - EP SAMPLES] October 09, 2023 - 1:27pm Jodyn.Natalie

ATTACHMENT B

PRELIMINARY ENDPOINT RESULTS

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www.gza.com

MEMORANDUM

To: Wendi Zheng
NYSDEC Region 2

From: Reinbill P. Maniquez

Date: September 28, 2023

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the endpoint (EP) sample results taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on Drawing 1 – IRM Remedial Excavation and Proposed Endpoint Sample Locations (see attached). As shown on Drawing 1, 19 of the proposed 39 IRM EP sample locations have been collected and reported to the NYSDEC as of this memorandum.

The laboratory analytical results for samples EP-26 to EP -30, and EP-33 to EP-35 were collected at 5 feet below initial ground surface (bgs), which corresponds to the depth of excavation during the IRM in these areas. The results are summarized in the following tables:

- Table 1: Volatile Organic Compounds in Endpoint Soil Samples
- Table 2: Semi-volatile Organic Compounds in Endpoint Soil Samples
- Table 3: Total Metals in Endpoint Soil Samples
- Table 4: Pesticides and Polychlorinated Biphenyls in Endpoint Soil Samples
- Table 5: Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples

This memorandum also transmits to the NYSDEC the EP laboratory reports (Project ID No. L2348172) were prepared by Alpha Analytical Laboratories of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory.

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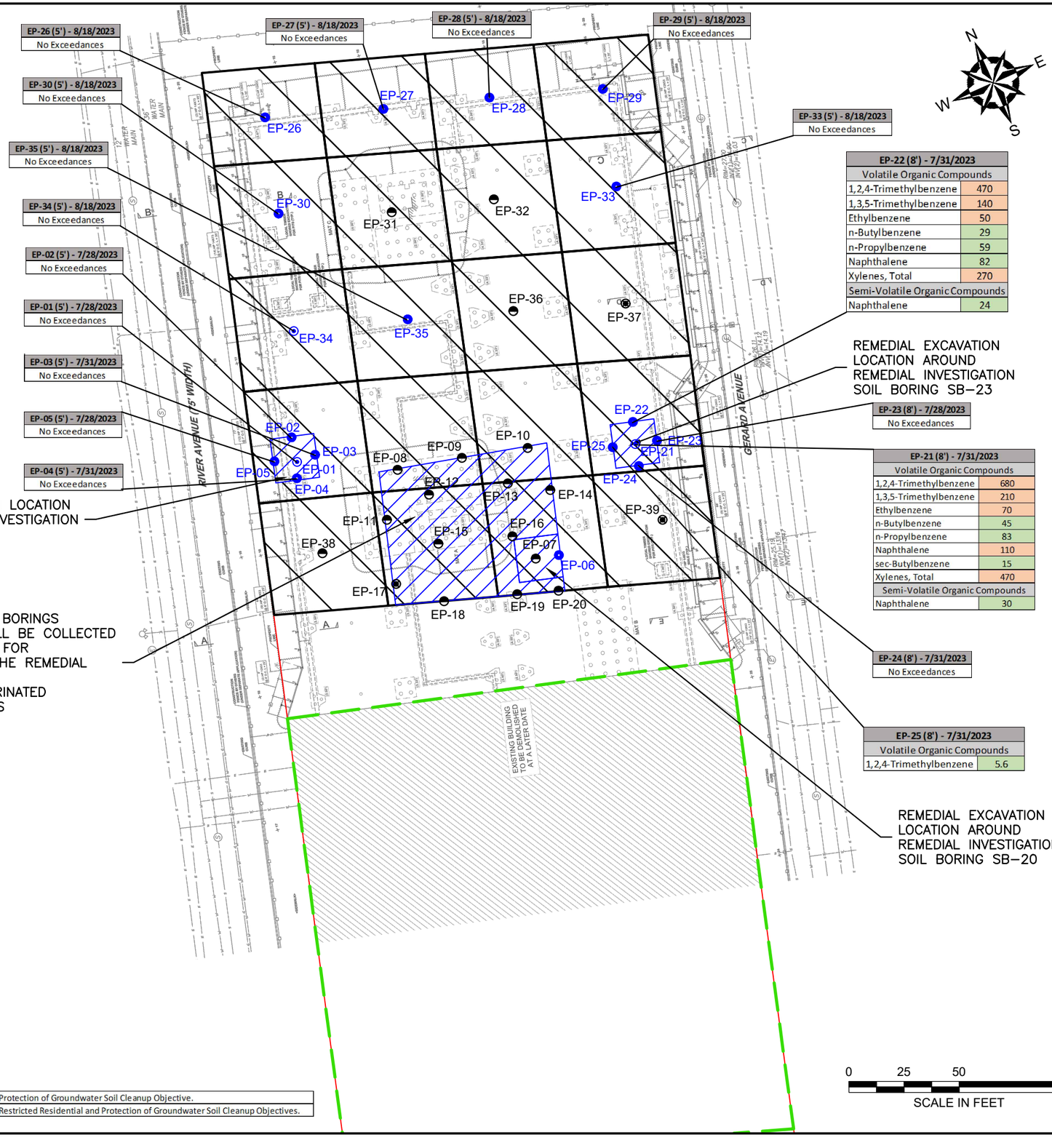
FIGURES



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-01 — COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION INCLUDING PFAS ANALYSIS
- EP-24 — COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS
- EP-39 — PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITH PFAS ANALYSIS
- EP-10 — PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS

Soil Exceedances	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs
Analyte		
1,2,4-Trimethylbenzene	52	3.6
1,3,5-Trimethylbenzene	52	8.4
Ethylbenzene	41	1
n-Butylbenzene	100	12
n-Propylbenzene	100	3.9
Naphthalene	100	12
sec-Butylbenzene	100	11
Xylenes, Total	100	1.6
Analyte		
Naphthalene	100	12

Analyte exceeds its Part 375 Protection of Groundwater Soil Cleanup Objective.

Analyte exceeds its Part 375 Restricted Residential and Protection of Groundwater Soil Cleanup Objectives.

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

ENDPOINT SAMPLE RESULTS MAP
(SEPTEMBER 28, 2023)

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 1
DESIGNED BY: JHB	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: OCTOBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 Spider Diagram_EPs.dwg [FIG 1 – SPIDER DIAGRAM] October 10, 2023 – 2:53pm jackson.bogach

TABLES

Table 1 - Volatile Organic Compounds in End Point Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-26		EP-27		EP-28		EP-29		EP-30		EP-33		EP-34		EP-35	
LAB SAMPLE ID				L2348172-01		L2348172-02		L2348172-03		L2348172-04		L2348172-05		L2348172-06		L2348172-07		L2348172-08	
DATE				8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
1,1,2-Trichloroethane	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,1-Dichloroethane	0.27	26	0.27	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,1-Dichloroethene	0.33	100	0.33	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,1-Dichloropropene	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
1,2,3-Trichlorobenzene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2,3-Trichloropropane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2,4-Trichlorobenzene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0029	U	0.0029	U	0.0028	U	0.0028	U	0.0029	U	0.0037	U	0.0025	U	0.0032	U
1,2-Dibromoethane	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2-Dichloroethane	0.02	3.1	0.02	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,2-Dichloroethene, Total	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,2-Dichloropropane	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,3-Dichloropropane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,3-Dichloropropene, Total	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,4-Dioxane	0.1	13	0.1	0.077	U	0.078	U	0.074	U	0.075	U	0.078	U	0.098	U	0.066	U	0.086	U
2,2-Dichloropropane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
2-Butanone	0.12	100	0.12	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
2-Hexanone	--	--	--	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
4-Methyl-2-pentanone	--	--	--	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
Acetone	0.05	100	0.05	0.0096	U	0.0097	U	0.0078	J	0.0093	U	0.0073	J	0.012	U	0.0082	U	0.011	U
Acrylonitrile	--	--	--	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
Benzene	0.06	4.8	0.06	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
Bromobenzene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Bromochloromethane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Bromodichloromethane	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
Bromoform	--	--	--	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
Bromomethane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Carbon disulfide	--	--	--	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
Carbon tetrachloride	0.76	2.4	0.76	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Chlorobenzene	1.1	100	1.1	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
Chloroethane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Chloroform	0.37	49	0.37	0.0014	U	0.0014	U	0.0014	U	0.0014	U	0.0015	U	0.0018	U	0.0012	U	0.0016	U
Chloromethane	--	--	--	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
cis-1,3-Dichloropropene	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
Dibromochloromethane	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Dibromomethane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Dichlorodifluoromethane	--	--	--	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
Ethyl ether	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Ethylbenzene	1	41	1	0.00096	U	0.00097	U	0.00093	U	0.00013	J	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Hexachlorobutadiene	--	--	--	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
Isopropylbenzene	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Methyl tert butyl ether	0.93	100	0.93	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Methylene chloride	0.05	100	0.05	0.0048	U	0.0048	U	0.0046	U	0.0047	U	0.0049	U	0.0061	U	0.0041	U	0.0054	U
n-Butylbenzene	12	100	12	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
n-Propylbenzene	3.9	100	3.9	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Naphthalene	12	100	12	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
o-Chlorotoluene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
o-Xylene	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
p-Chlorotoluene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
p-Diethylbenzene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
p-Ethyltoluene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
p-Isopropyltoluene	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
p/m-Xylene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
sec-Butylbenzene	11	100	11	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Styrene	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
tert-Butylbenzene	5.9	100	5.9	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Tetrachloroethene	1.3	19	1.3	0.0029		0.00048	U	0.00046	U	0.00047	U	0.0052		0.00032	J	0.00041	U	0.00054	U
Toluene	0.7	100	0.7	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0014	U	0.0014	U	0.0014	U	0.0014	U	0.0015	U	0.0018	U	0.0012	U	0.0016	U
trans-1,3-Dichloropropene	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0048	U	0.0048	U	0.0046	U	0.0047	U	0.0049	U	0.0061	U	0.0041	U	0.0054	U
Trichloroethene	0.47	21	0.47	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00065		0.00061	U	0.00041	U	0.00054	U
Trichlorofluoromethane	--	--	--	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
Vinyl acetate	--	--	--	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
Vinyl chloride	0.02	0.9	0.02	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Xylenes, Total	0.26	100	1.6	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 2 - Semi-Volatile Organic Compounds in End Point Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-26		EP-27		EP-28		EP-29		EP-30		EP-33		EP-34		EP-35	
LAB SAMPLE ID				L2348172-01		L2348172-02		L2348172-03		L2348172-04		L2348172-05		L2348172-06		L2348172-07		L2348172-08	
DATE				8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.028	U	0.027	U	0.03	U	0.027	U	0.028	U	0.028	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.17	U	0.17	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.91	U	0.91	U	0.86	U	0.94	U	0.87	U	0.89	U	0.89	U	0.87	U
2,4-Dinitrotoluene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.023	J	0.23	U	0.21	U	0.24	U	0.22	U	0.22	U	0.22	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.41	U	0.41	U	0.39	U	0.42	U	0.39	U	0.4	U	0.4	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.27	U	0.26	U	0.28	U	0.26	U	0.27	U	0.27	U	0.26	U
3-Nitroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.49	U	0.49	U	0.46	U	0.51	U	0.47	U	0.48	U	0.48	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.26	U	0.26	U	0.25	U	0.28	U	0.26	U	0.26	U	0.26	U	0.25	U
Acenaphthene	20	100	98	0.048	J	0.15	U	0.14	U	0.16	U	0.14	U	0.15	U	0.15	U	0.14	U
Acenaphthylene	100	1000	107	0.067	J	0.15	U	0.14	U	0.16	U	0.14	U	0.15	U	0.15	U	0.14	U
Acetophenone	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.16		0.11	U	0.11	U	0.12	U	0.036	J	0.11	U	0.11	U	0.11	U
Benzo(a)anthracene	1	1	1	0.73		0.045	J	0.11	U	0.12	U	0.097	J	0.1	J	0.057	J	0.028	J
Benzo(a)pyrene	1	1	22	0.72		0.15	U	0.14	U	0.16	U	0.095	J	0.1	J	0.057	J	0.14	U
Benzo(b)fluoranthene	1	1	1.7	0.92		0.052	J	0.11	U	0.12	U	0.1	J	0.12		0.069	J	0.032	J
Benzo(ghi)perylene	100	100	1000	0.44		0.026	J	0.14	U	0.16	U	0.055	J	0.059	J	0.033	J	0.14	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.25		0.11	U	0.11	U	0.12	U	0.031	J	0.039	J	0.11	U	0.11	U
Benzoic Acid	--	--	--	0.61	U	0.61	U	0.58	U	0.64	U	0.59	U	0.6	U	0.6	U	0.58	U
Benzyl Alcohol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.43	U	0.43	U	0.41	U	0.45	U	0.42	U	0.42	U	0.42	U	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.2	U	0.19	U	0.21	U	0.2	U	0.2	U	0.2	U	0.19	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.17	U	0.17	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.23	U	0.23	U	0.21	U	0.24	U	0.22	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.11	J	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	--	--	--	0.07	J	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Chrysene	1	3.9	1	0.71		0.043	J	0.11	U	0.12	U	0.097	J	0.1	J	0.056	J	0.026	J
Di-n-butylphthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.099	J	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
Dibenzofuran	7	59	210	0.026	J	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Diethyl phthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	1.3		0.078	J	0.11	U	0.12	U	0.2		0.18		0.093	J	0.039	J
Fluorene	30	100	386	0.044	J	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.54	U	0.54	U	0.51	U	0.56	U	0.52	U	0.53	U	0.53	U	0.52	U
Hexachloroethane	--	--	--	0.15	U	0.15	U	0.14	U	0.16	U	0.14	U	0.15	U	0.15	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.49		0.026	J	0.14	U	0.16	U	0.056	J	0.066	J	0.038	J	0.14	U
Isophorone	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.17	U	0.17	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.042	J	0.19	U	0.022	J	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
NDPA/DPA	--	--	--	0.15	U	0.15	U	0.14	U	0.16	U	0.14	U	0.15	U	0.15	U	0.14	U
Nitrobenzene	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.17	U	0.17	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.15	U	0.14	U	0.16	U	0.14	U	0.15	U	0.15	U	0.14	U
Phenanthrene	100	100	1000	0.6		0.045	J	0.11	U	0.12	U	0.15		0.11		0.04	J	0.11	U
Phenol	0.33	100	0.33	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	1.2		0.08	J	0.11	U	0.12	U	0.19		0.18		0.088	J	0.04	J

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the

Table 3 - Total Metals in End Point Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-26		EP-27		EP-28		EP-29		EP-30		EP-33		EP-34		EP-35	
LAB SAMPLE ID				L2348172-01		L2348172-02		L2348172-03		L2348172-04		L2348172-05		L2348172-06		L2348172-07		L2348172-08	
DATE				8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	9330		6640		6010		5630		6210		5820		6290		6730	
Antimony, Total	--	--	--	4.51	U	4.37	U	4.32	U	4.62	U	4.25	U	4.42	U	4.43	U	4.19	U
Arsenic, Total	13	16	16	3.88		1.38		1.48		1.38		1.53		1.69		1.98		1.45	
Barium, Total	350	400	820	47.7		28.3		21.2		20.3		32		28.4		37.8		35.3	
Beryllium, Total	7.2	72	47	0.343	J	0.324	J	0.309	J	0.302	J	0.299	J	0.308	J	0.309	J	0.303	J
Cadmium, Total	2.5	4.3	7.5	0.17	J	0.875	U	0.864	U	0.923	U	0.85	U	0.883	U	0.886	U	0.135	J
Calcium, Total	--	--	--	2290		674		376		656		1030		2820		1470		634	
Chromium, Total*	1	180	--	16.9		9.47		8.18		8.48		9.93		8.72		9.9		10.1	
Colbalt, Total	--	--	--	4.09		3.43		3.49		3.81		3.71		3.74		3.8		3.5	
Copper, Total	50	270	1720	19.6		7.2		6.74		6.15		9.49		10.1		10.7		7.14	
Iron, Total	--	--	--	10800		9670		9510		10300		9720		10500		9870		9860	
Lead, Total	63	400	450	52		8.39		3.92	J	4.46	J	12.7		20.3		23.5		4.74	
Magnesium, Total	--	--	--	2630		1830		1730		1960		1910		2460		1960		1900	
Manganese, Total	1600	2000	2000	347		296		300		320		336		325		254		253	
Mercury, Total	0.18	0.81	0.73	0.09	U	0.084	U	0.073	U	0.088	U	0.081	U	0.117		0.08	U	0.077	U
Nickel, Total	30	310	130	9.94		8.28		8.41		8.42		7.9		8.59		9.04		9.65	
Potassium, Total	--	--	--	756		496		441		702		462		626		698		579	
Selenium, Total	3.9	180	4	1.8	U	1.75	U	1.73	U	1.85	U	1.7	U	1.77	U	1.77	U	1.68	U
Silver, Total	2	180	8.3	0.451	U	0.437	U	0.432	U	0.462	U	0.425	U	0.442	U	0.443	U	0.419	U
Sodium, Total	--	--	--	69.8	J	74.1	J	138	J	143	J	77.1	J	108	J	89.1	J	72.5	J
Thallium, Total	--	--	--	0.503	J	1.75	U	0.282	J	0.301	J	0.322	J	0.4	J	0.458	J	0.359	J
Vanadium, Total	--	--	--	16.5		10.9		11.6		11.7		11.8		12.9		14.4		11.9	
Zinc, Total	109	10000	2480	83.3		18.7		14.8		23.8		24.4		28.1		40.4		97.7	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-26		EP-27		EP-28		EP-29		EP-30		EP-33		EP-34		EP-35	
LAB SAMPLE ID				L2348172-01		L2348172-02		L2348172-03		L2348172-04		L2348172-05		L2348172-06		L2348172-07		L2348172-08	
DATE				8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
4,4'-DDE	0.0033	8.9	17	0.00151	J	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.0012	J	0.000635	JP
4,4'-DDT	0.0033	7.9	136	0.00285		0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Aldrin	0.005	0.097	0.19	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Alpha-BHC	0.02	0.48	0.02	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000745	U	0.000741	U	0.000723	U
Beta-BHC	0.036	0.36	0.09	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Chlordane	--	--	--	0.0149	U	0.0146	U	0.0146	U	0.0157	U	0.0145	U	0.0149	U	0.0148	U	0.0144	U
cis-Chlordane	0.094	4.2	2.9	0.00224	U	0.00219	U	0.00219	U	0.00236	U	0.00217	U	0.00223	U	0.00222	U	0.00217	U
Delta-BHC	0.04	100	0.25	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Dieldrin	0.005	0.2	0.1	0.00112	U	0.00109	U	0.0011	U	0.00118	U	0.00108	U	0.00112	U	0.00111	U	0.00108	U
Endosulfan I	2.4	24	102	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Endosulfan II	2.4	24	102	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Endosulfan sulfate	2.4	24	1000	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000745	U	0.000741	U	0.000723	U
Endrin	0.014	11	0.06	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000745	U	0.000741	U	0.000723	U
Endrin aldehyde	--	--	--	0.00224	U	0.00219	U	0.00219	U	0.00236	U	0.00217	U	0.00223	U	0.00222	U	0.00217	U
Endrin ketone	--	--	--	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Heptachlor	0.042	2.1	0.38	0.000896	U	0.000876	U	0.000878	U	0.000944	U	0.000868	U	0.000894	U	0.000889	U	0.000867	U
Heptachlor epoxide	--	--	--	0.00336	U	0.00328	U	0.00329	U	0.00354	U	0.00326	U	0.00335	U	0.00333	U	0.00325	U
Lindane	0.1	1.3	0.1	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000745	U	0.000741	U	0.000723	U
Methoxychlor	--	--	--	0.00336	U	0.00328	U	0.00329	U	0.00354	U	0.00326	U	0.00335	U	0.00333	U	0.00325	U
Toxaphene	--	--	--	0.0336	U	0.0328	U	0.0329	U	0.0354	U	0.0326	U	0.0335	U	0.0333	U	0.0325	U
trans-Chlordane	--	--	--	0.00224	U	0.00219	U	0.00219	U	0.00236	U	0.00217	U	0.00223	U	0.00222	U	0.00217	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1221	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1232	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1242	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1254	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1260	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1262	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1268	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
PCBs, Total	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

U: Not detected at the reported detection limit for
J: Estimated value. The analyte concentration is below the reporting limit

Table 6 - Per- and Polyfluoroalkyl Substances in End Point Samples
101 East 150th Street
Bronx, New York

LOCATION	NYSDEC PFOA/PFOS guidance values - Unrestricted	NYSDEC PFOA/PFOS guidance values - Restricted Residential	NYSDEC PFOA/PFOS guidance values - Protection of Groundwater	EP-34	
LAB SAMPLE ID				8/18/2023	
DATE				L2348172-07	
SAMPLE DEPTH (ft.)				5	
				Results	Qual
PFAS by EPA Method 537.1					
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	--	--	0.000781	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	0.000781	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	--	--	0.000195	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	--	--	0.000195	U
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	0.000195	U
Perfluorobutanoic Acid (PFBA)	--	--	--	0.000781	U
Perfluorodecanesulfonic Acid (PFDS)	--	--	--	0.000195	U
Perfluorodecanoic Acid (PFDA)	--	--	--	0.000195	U
Perfluorododecanoic Acid (PFDoA)	--	--	--	0.000195	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	0.000195	U
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.000195	U
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	0.000195	U
Perfluorohexanoic Acid (PFHxA)	--	--	--	0.000195	U
Perfluorononanoic Acid (PFNA)	--	--	--	0.000195	U
Perfluorooctanesulfonamide (FOSA)	--	--	--	0.000195	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037	0.000148	J
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	0.000101	J
Perfluoropentanoic Acid (PFPeA)	--	--	--	0.00039	U
Perfluorotetradecanoic Acid (PFTA)	--	--	--	0.000195	U
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	0.000195	U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	0.000195	U
PFOA/PFOS, Total	--	--	--	0.000249	J

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT C

PROJECT SCHEDULE

DeM Builders
THE DeMATTEIS ORGANIZATIONS

2-Week Look Ahead

Contractor		2-Oct M	3-Oct T	4-Oct W	5-Oct Th	6-Oct F	7-Oct Sat	8-Oct Sun	9-Oct M	10-Oct T	11-Oct W	12-Oct Th	13-Oct F	14-Oct Sat	15-Oct Sun	COMMENTS
DeMatteis	Jobsite safety compliance and supervision															
	Cleaning debris and rubbish from jobsite perimeter															
	Setting up/Breaking down temp water manifold on Gerard															
J&A	Building formwork and rebar cages for pile caps/grade beams															
	Cleanup and Dewatering from past storm															
	Forming grade beams on R Line															
	Installing rebar and Pouring piles and rat slabs															
	Installing rebar and Pouring pile caps															
Soil Solutions	Delivery and set up of well drilling equipment															
	Installing Dewatering wells in North area															
	Demobilizing pile rig, drill rig, and equipment															
Crown Waterproofing	Mobilize material and equipment to site															
	Installing waterproofing on available pile caps R to N, 1 to 6															
Hellman Electric	Temp electric shed installation on River ave.															
	Site temp installations for guard booth, turnstiles, and lighting															
Inspections	CAMP Inspections during excavation work (GZA)															
	Waterproofing monitoring as needed (GZA)															
	SOE monitoring movement (MRCE)															
	Pile Concrete Inspection (AEL, MRCE)															
	Rebar inspections for piles & caps (AEL)															
	Pile Cap Concrete inspections (AEL)															
	Subgrade inspections															

DeM Builders
THE DeMATTEIS ORGANIZATIONS

2-Week Look Ahead

Contractor		9-Oct M	10-Oct T	11-Oct W	12-Oct Th	13-Oct F	14-Oct Sat	15-Oct Sun	16-Oct M	17-Oct T	18-Oct W	19-Oct Th	20-Oct F	21-Oct Sat	22-Oct Sun	COMMENTS
DeMatteis	Jobsite safety compliance and supervision															
	Cleaning debris and rubbish from jobsite perimeter															
	Setting up/Breaking down temp water manifold on Gerard															
J&A	DeWatering groundwater for foundation installation															
	Installing rebar cages and anchor bolts in pile caps															
	Pouring pile caps between 1 and 6, R to N															
	Pouring piles and rat slabs in between 1 and 6, P to N															
Soil Solutions	Installing Dewatering wells in North area															
	Demobilizing pile and drill rigs and equipment															
Crown Waterproofing	Mobilize material and equipment to site															
	Installing waterproofing on available pile caps R to N, 1 to 6															
Hellman Electric	Temp electric shed installation on River ave.															
	Site temp installations for guard booth, turnstiles, and lighting															
GZA	Installing additional well points and vapor tests															
Inspections	CAMP Inspections during excavation work (GZA)															
	Waterproofing monitoring as needed (GZA)															
	SOE monitoring movement (MRCE)															
	Pile Concrete Inspection (AEL, MRCE)															
	Rebar inspections for piles & caps (AEL, LERA)															
	Pile Cap Concrete inspections (AEL)															
	Subgrade inspections															

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MONTHLY PROGRESS REPORT

INTERIM REMEDIAL MEASURE
101 EAST 150th STREET, BRONX, NY 10451
Block 2354 Lot 1

BCP SITE NO. C203154

PERIOD: October 2, 2023 to October 31, 2023
REPORT DATE: November 10, 2023
GZA File No.: 41.0163097.00

PREPARED FOR:
586 RIVER AVE., LLC
95 Pine Street, 6th Floor
New York, NY 10005

GOLDBERG-ZOINO ASSOCIATES OF NEW YORK P.C.
D/B/A GZA GEOENVIRONMENTAL OF NEW YORK
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MONTHLY PROGRESS REPORT

101 East 150th Street, Bronx, NY 10451
Brownfield Cleanup Program No. C203154

Monthly Progress Report No. 04
Period: October 2, 2023 to October 31, 2023

The following report summarizes the activities performed within the period stated above under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street, Bronx, NY located at the NYC Tax Block 2354, Lot 1 (the Site). The 586 River Ave. LLC (Participant) has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC and the New York State Department of Health (NYSDOH) to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

ON-SITE SUMMARY

	COMPANIES/ORGANIZATIONS
QEP:	GZA
CONTRACTORS:	J&A Concrete
	DeMatteis Organization
SUBCONTRACTORS:	
	Crown Waterproofing
	Clean Globe Environmental (CGE)
	Soil Solutions
	SRM Concrete
	Cousin Metal Industries Inc.

I. Activities Conducted During Reporting Month

- **Site Work Summary**

Construction

- Soil Solutions cut piles in grids A4, B2, C2, and C3.
- J&A Concrete poured concrete in piles at Grids A4, B2, B4, C5, D1, D2, D3, D4, and D5.
- Excavation for foundations (down to 10 feet below grade) completed at Grid B2. Soils were stockpiled or direct loaded into trucks for transportation off-site (see off-site disposal summary, below).
- J&A excavated in Grids A1, A2, B1, B2, B3, C1, C2, C3, C4, D1, D2, and D3 for installation of formwork for pile caps. J&A then placed formwork in each grid and spread gas permeable aggregates within the formwork for stable subgrade for waterproofing/vapor barrier membrane.
- Crown Waterproofing installed PREPRUFE 300R Plus waterproofing/vapor barrier in pile caps and grade beams in grids A1, B1, B2, B3, C1, C2, C3, C4, D1, D2, D3 and D4. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps. Stephen Kline, P.E. was onsite on October 11, 16, and 27 to observe and document the vapor barrier installation.

- J&A installed rebar and poured concrete in pile caps and grade beams in grids A1, B1, B2, B3, C1, C3, D1, D2, D3, and D4.
- Additional PREPRUFE 300R Plus Waterproofing Membrane and associated products delivered to Site.
- Steel formwork was delivered by Doka and stored in grid B2.
- Cousin Metal Industries Inc. transported cut-off piles as scrap.
- Rebar was delivered and stored in grids D2 and D3.
- J&A constructed timber formwork and stored in grid D4.

Dewatering

- J&A installed dewatering points in Grid A1, A3, B1, B2, B4, B5, C2, C3, C5, D1, D2, D3, and D5.
- Performed dewatering at dewatering points A1, A3, B1, B2, B3, C1, C2, C3, C4, D1, D2, D3, and D5.

Remedial Excavation

- Additional remedial excavation down to 8 feet below grade 10 feet beyond EP-22 in grid D4. Soils were direct loaded into trucks for transportation off-site (see off-site disposal summary, below).

Supplemental Remedial Investigation

- GZA installed eight soil vapor probes to eight feet below ground surface (bgs) and collected samples SV-29 to SV-37.
- GZA installed four permanent monitoring wells MW-13 to MW-16. MW-13 was installed to a depth of 26 feet bgs, MW-14 to 26.3 feet bgs, MW-15 to 21.93 feet bgs, and MW-16 to 25.3 feet bgs.
- GZA developed permanent monitoring wells and collected samples MW-13 through MW-16.

A Site Plan showing the Grids is provided in **Attachment A**.

- **Air Monitoring Summary**
  - CAMP was implemented during workdays from October 2, 2023, until October 31, 2023. The CAMP utilized two continuous logging remote telemetry system air monitoring stations (Air Logics 1780 and 1467) outfitted with dust monitors, photoionization detectors, modems, cloud-based data storage and access.
  - There were no vapor or particulate exceedances noted during this monitoring period.

- **Off-Site Disposal Summary**
  - A total of **14 truckloads** (approximately 280 cubic yards) of non-hazardous material were hauled off-Site by Munoz Trucking, Corp. (Part 364 Waste Transporter Permit No. NJ -777). The materials were transported to Clean Earth of Carteret, NJ (under Approval No. 233070971, dated July 25, 2023).

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY
This Month	**0**	**0**	**14**	**280**	**0**	**0**	**14**	**280**
Previous Disposal	73	1,460	403	8,060	1	20	477	9,540
TOTAL	73	1,460	417	8,340	1	20	491	9,820

- **Imported Material Summary**
  - Ten truckloads of gas permeable aggregates from Tilcon New York, Inc. (Permit No. 30010) were delivered by Shamrock Materials, LLC (Part 364 Waste Transporter Permit No. 2A -502)and stockpiled in grid B3.

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
This Month	**0**	**0**	**10**	**259.07**	**10**	**259.07**
Previous Month	3	78.56	0	0	3	78.56
TOTAL	3	78.56	10	259.07	13	337.63

- **Samples Collected This Monitoring Period**
  - On October 5, 2023, soil vapor samples SV-32 to SV-37 were collected from 8 feet below bgs.
  - On October 19,2023, groundwater samples were collected from permanent monitoring wells MW-01, MW-02, MW-13, MW-14, MW-15, and MW-16.
  - On October 23, 2023, endpoint sample EP-31 from Grid B2 at 10 feet bgs.
  - On October 31, 2023, endpoint sample EP-22A was collected at the north end of the remedial excavation (described above).

- **Samples Results This Monitoring Period**
  - On October 27, 2023, GZA submitted to NYSDEC the preliminary endpoint sample results for samples EP-06, EP-07, EP-08, EP-09, EP-11, and EP-12 collected at 5 feet bgs (See **Attachment B**).

- **Dewatering Discharged this Monitoring Period**
  - Localized dewatering to remove nuisance stormwater and to place concrete in individual pile caps was performed between October 2 to 31, 2023. A total of 629,781.00 gallons of water was pumped, treated, and discharged to the New York City Sewer during this monitoring period.

- **Deliverables Submitted During This Monitoring Period**
  - October 2, 2023 to October 31, 2023 - Daily Field Reports No. 50 to No. 72
  - October 2, 2023 - Supplemental Remedial Investigation Work Plan (SRIWP)
  - October 2, 2023 and October 19,2023, - Request to Import Mined Sand – North American Aggregates
  - October 19, 2023, Certification of Mailing of the SRIWP and NYSDEC Approval
  - October 24, 2023, Supplemental Interim Remedial Measure (SIRM) Work Plan (Revised)
  - October 27, 2023, Preliminary Endpoint Sample Results Memo No. 3.

- **Meetings**
  - There were no meetings held with NYSDEC and NYSDOH during this period.

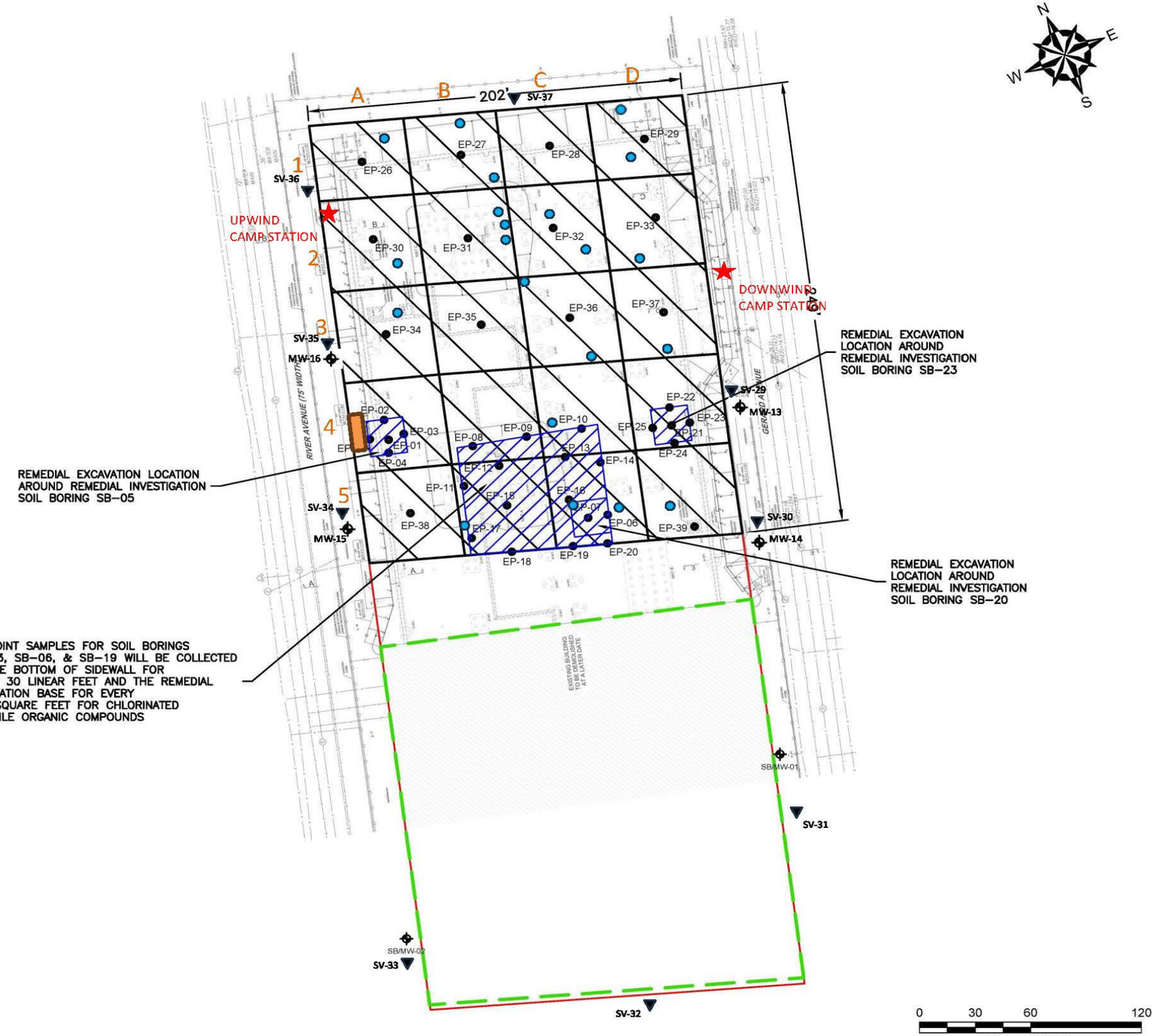
II. Anticipated Activities-Monitoring Period of November 1, 2023, through November 30, 2023

- Importation of material (additional gravel for truck wash and subbase).
- Pile installation and filling available piles with concrete.
- Excavation at areas for pile caps and elevator pits.
- Installation of dewatering wells. Continue dewatering.
- Install vapor barrier / waterproofing membrane on pile caps, and foundation walls.
- Install temporary electric shed along River Ave.
- Endpoint sampling and laboratory testing.
- Direct application of RegenOx® to remedy source area soil contamination not excavated below the water table.

See **Attachment C** for the Two-Week Look Ahead schedule.

ATTACHMENT A

SITE PLAN



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GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

ATTACHMENT B

PRELIMINARY ENDPOINT RESULTS

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M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Reinbill P. Maniquez

Date: October 27, 2023

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the endpoint (EP) sample results taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on Drawing 1 – IRM Endpoint Sample Results Map (see attached). As shown on Drawing 1, 35 of the proposed 39 IRM EP sample locations have been collected and reported to the NYSDEC as of this memorandum.

The laboratory analytical results for samples EP-06 to EP-09, EP-11 to EP-17, EP-19, EP-20, EP-32, EP-36 to EP-37, and EP-39 were collected at 5 feet below initial ground surface (bgs), which corresponds to the depth of excavation during the IRM in these areas. The results are summarized in the following tables:

- Table 1: Volatile Organic Compounds in Endpoint Soil Samples
- Table 2: Semi-volatile Organic Compounds in Endpoint Soil Samples
- Table 3: Total Metals in Endpoint Soil Samples
- Table 4: Pesticides and Polychlorinated Biphenyls in Endpoint Soil Samples
- Table 5: Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples

Drawing 1 shows the IRM endpoint sampling results compared the soil cleanup objectives. This memorandum also transmits to the NYSDEC the EP laboratory reports (Project ID No. L2351329 and L2355164) were prepared by Alpha Analytical Laboratories of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory (see Attachment A).

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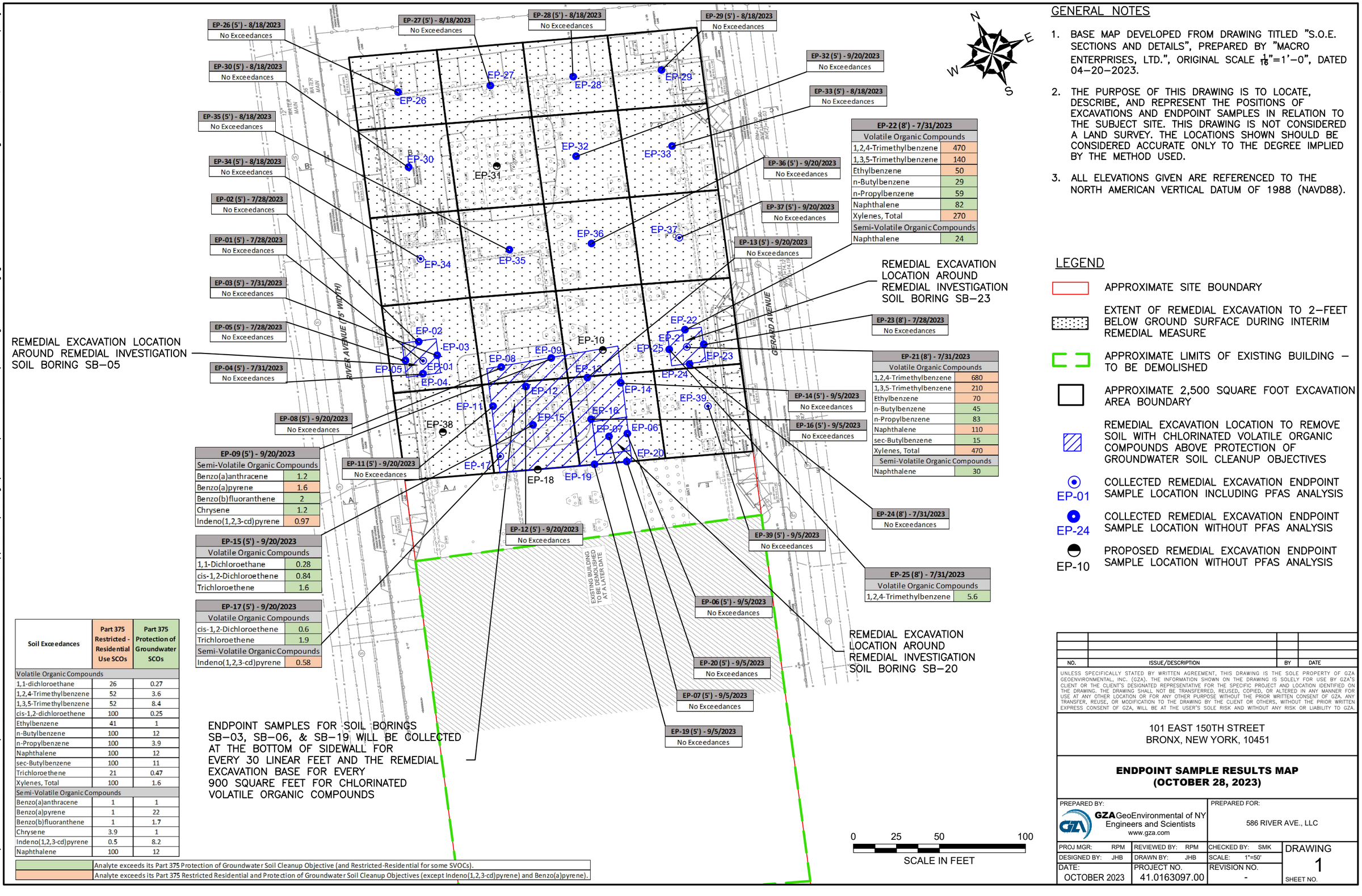
FIGURES



Soil Exceedances	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs
Volatile Organic Compounds		
1,1-dichloroethane	26	0.27
1,2,4-Trimethylbenzene	52	3.6
1,3,5-Trimethylbenzene	52	8.4
cis-1,2-dichloroethene	100	0.25
Ethylbenzene	41	1
n-Butylbenzene	100	12
n-Propylbenzene	100	3.9
Naphthalene	100	12
sec-Butylbenzene	100	11
Trichloroethene	21	0.47
Xylenes, Total	100	1.6
Semi-Volatile Organic Compounds		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	22
Benzo(b)fluoranthene	1	1.7
Chrysene	3.9	1
Indeno(1,2,3-cd)pyrene	0.5	8.2
Naphthalene	100	12

Analyte exceeds its Part 375 Protection of Groundwater Soil Cleanup Objective (and Restricted-Residential for some SVOCs).

Analyte exceeds its Part 375 Restricted Residential and Protection of Groundwater Soil Cleanup Objectives (except Indeno(1,2,3-cd)pyrene) and Benzo(a)pyrene).

GENERAL NOTES

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LEGEND

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- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-01 COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION INCLUDING PFAS ANALYSIS
- EP-24 COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS
- EP-10 PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

ENDPOINT SAMPLE RESULTS MAP (OCTOBER 28, 2023)

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING
DESIGNED BY: JHB	DRAWN BY: JHB	SCALE: 1"=50'	1
DATE: OCTOBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 Spider Diagram_EPs.dwg [FIG 1 – SPIDER DIAGRAM_Oct] October 26, 2023 – 4:14pm jackson.bog

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-06		EP-07		EP-08		EP-09		EP-11		EP-12	
LAB SAMPLE ID				L2351329-06		L2351329-05		L2355164-05		L2355164-07		L2355164-06		L2355164-04	
DATE				9/5/2023		9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)															
1,1,1,2-Tetrachloroethane	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00051	U	0.00045	U	0.00078		0.0015		0.00046	U	0.00045	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
1,1,2-Trichloroethane	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
1,1-Dichloroethane	0.27	26	0.27	0.001	U	0.0009	U	0.0016		0.00051	J	0.00029	J	0.00041	J
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
1,1-Dichloropropene	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
1,2,3-Trichlorobenzene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2,3-Trichloropropane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2,4-Trichlorobenzene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2-Dibromo-3-chloropropane	--	--	--	0.003	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U
1,2-Dibromoethane	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
1,2-Dichlorobenzene	1.1	100	1.1	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2-Dichloroethane	0.02	3.1	0.02	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
1,2-Dichloroethene, Total	--	--	--	0.001	U	0.00096		0.0058		0.0046		0.0017		0.00065	J
1,2-Dichloropropane	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,3-Dichlorobenzene	2.4	49	2.4	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,3-Dichloropropane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,3-Dichloropropene, Total	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
1,4-Dichlorobenzene	1.8	13	1.8	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,4-Dioxane	0.1	13	0.1	0.081	U	0.072	U	0.07	U	0.07	U	0.073	U	0.072	U
2,2-Dichloropropane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
2-Butanone	0.12	100	0.12	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
2-Hexanone	--	--	--	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
4-Methyl-2-pentanone	--	--	--	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
Acetone	0.05	100	0.05	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
Acrylonitrile	--	--	--	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
Benzene	0.06	4.8	0.06	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
Bromobenzene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Bromochloromethane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Bromodichloromethane	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
Bromoform	--	--	--	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
Bromomethane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Carbon disulfide	--	--	--	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
Carbon tetrachloride	0.76	2.4	0.76	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Chlorobenzene	1.1	100	1.1	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
Chloroethane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Chloroform	0.37	49	0.37	0.0015	U	0.0013	U	0.0013	U	0.0013	U	0.0014	U	0.0014	U
Chloromethane	--	--	--	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.001	U	0.00096		0.0058		0.0046		0.0017		0.00065	J
cis-1,3-Dichloropropene	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
Dibromochloromethane	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Dibromomethane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Dichlorodifluoromethane	--	--	--	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
Ethyl ether	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Ethylbenzene	1	41	1	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Hexachlorobutadiene	--	--	--	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
Isopropylbenzene	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Methyl tert butyl ether	0.93	100	0.93	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Methylene chloride	0.05	100	0.05	0.0051	U	0.0045	U	0.0044	U	0.0044	U	0.0046	U	0.0045	U
n-Butylbenzene	12	100	12	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
n-Propylbenzene	3.9	100	3.9	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Naphthalene	12	100	12	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
o-Chlorotoluene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
o-Xylene	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
p-Chlorotoluene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
p-Diethylbenzene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
p-Ethyltoluene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
p-Isopropyltoluene	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
p/m-Xylene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
sec-Butylbenzene	11	100	11	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Styrene	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
tert-Butylbenzene	5.9	100	5.9	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Tetrachloroethene	1.3	19	1.3	0.00051	U	0.00045	U	0.00096		0.005		0.00046	U	0.00045	U
Toluene	0.7	100	0.7	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0015	U	0.0013	U	0.0013	U	0.0013	U	0.0014	U	0.0014	U
trans-1,3-Dichloropropene	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0051	U	0.0045	U	0.0044	U	0.0044	U	0.0046	U	0.0045	U
Trichloroethene	0.47	21	0.47	0.00051	U	0.002		0.0061		0.0072		0.0022		0.0018	
Trichlorofluoromethane	--	--	--	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
Vinyl acetate	--	--	--	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
Vinyl chloride	0.02	0.9	0.02	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 1 - Volatile Organic Compounds in End Points
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-13		EP-14		EP-15		EP-16		EP-17		EP-19	
LAB SAMPLE ID				L2355164-03		L2351329-07		L2355164-08		L2351329-04		L2355164-09		L2351329-03	
DATE				9/20/2023		9/5/2023		9/20/2023		9/5/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)															
1,1,1,2-Tetrachloroethane	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0003	J	0.00052	U	0.4		0.00052	U	0.2		0.0016	
1,1,2,2-Tetrachloroethane	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
1,1,2-Trichloroethane	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
1,1-Dichloroethane	0.27	26	0.27	0.00021	J	0.001	U	**0.28**		0.001	U	0.19		0.00041	J
1,1-Dichloroethene	0.33	100	0.33	0.00093	U	0.001	U	0.022	J	0.001	U	0.014	J	0.00096	U
1,1-Dichloropropene	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
1,2,3-Trichlorobenzene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,2,3-Trichloropropane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0018	U	0.0021	U	0.011	J	0.0021	U	0.79		0.0019	U
1,2,4-Trichlorobenzene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.3		0.0019	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0028	U	0.0031	U	0.073	U	0.0031	U	0.069	U	0.0029	U
1,2-Dibromoethane	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,2-Dichloroethane	0.02	3.1	0.02	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
1,2-Dichloroethene, Total	--	--	--	0.0013	J	0.001	U	0.86	J	0.0025		0.61	J	0.0036	
1,2-Dichloropropane	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.17		0.0019	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,3-Dichloropropane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,3-Dichloropropene, Total	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,4-Dioxane	0.1	13	0.1	0.074	U	0.084	U	1.9	U	0.084	U	1.8	U	0.076	U
2,2-Dichloropropane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
2-Butanone	0.12	100	0.12	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
2-Hexanone	--	--	--	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
4-Methyl-2-pentanone	--	--	--	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
Acetone	0.05	100	0.05	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
Acrylonitrile	--	--	--	0.0037	U	0.0042	U	0.097	U	0.0042	U	0.093	U	0.0038	U
Benzene	0.06	4.8	0.06	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
Bromobenzene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Bromochloromethane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Bromodichloromethane	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
Bromoform	--	--	--	0.0037	U	0.0042	U	0.097	U	0.0042	U	0.093	U	0.0038	U
Bromomethane	--	--	--	0.0018	U	0.0021	U	0.022	J	0.0021	U	0.046	U	0.0019	U
Carbon disulfide	--	--	--	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
Carbon tetrachloride	0.76	2.4	0.76	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
Chlorobenzene	1.1	100	1.1	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
Chloroethane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Chloroform	0.37	49	0.37	0.0014	U	0.0016	U	0.036	U	0.0016	U	0.035	U	0.0014	U
Chloromethane	--	--	--	0.0037	U	0.0042	U	0.097	U	0.0042	U	0.093	U	0.0038	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.0012		0.001	U	**0.84**		0.0025		**0.6**		0.0036	
cis-1,3-Dichloropropene	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
Dibromochloromethane	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
Dibromomethane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Dichlorodifluoromethane	--	--	--	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
Ethyl ether	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Ethylbenzene	1	41	1	0.00016	J	0.001	U	0.024	U	0.001	U	0.024		0.00096	U
Hexachlorobutadiene	--	--	--	0.0037	U	0.0042	U	0.097	U	0.0042	U	0.093	U	0.0038	U
Isopropylbenzene	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.03		0.00096	U
Methyl tert butyl ether	0.93	100	0.93	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Methylene chloride	0.05	100	0.05	0.0046	U	0.0052	U	0.12	U	0.0052	U	0.12	U	0.0048	U
n-Butylbenzene	12	100	12	0.00093	U	0.001	U	0.0054	J	0.001	U	0.46		0.00096	U
n-Propylbenzene	3.9	100	3.9	0.00093	U	0.001	U	0.024	U	0.001	U	0.094		0.00096	U
Naphthalene	12	100	12	0.0037	U	0.0042	U	0.048	J	0.0042	U	1.2		0.0038	U
o-Chlorotoluene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
o-Xylene	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.036		0.00096	U
p-Chlorotoluene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
p-Diethylbenzene	--	--	--	0.0018	U	0.0021	U	0.013	J	0.0021	U	0.26		0.0019	U
p-Ethyltoluene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.34		0.0019	U
p-Isopropyltoluene	--	--	--	0.00093	U	0.001	U	0.0035	J	0.001	U	0.19		0.00096	U
p/m-Xylene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.023	J	0.0019	U
sec-Butylbenzene	11	100	11	0.00093	U	0.001	U	0.024	U	0.001	U	0.29		0.00096	U
Styrene	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
tert-Butylbenzene	5.9	100	5.9	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Tetrachloroethene	1.3	19	1.3	0.00046	U	0.00052	U	0.019		0.00052	U	0.012		0.00048	U
Toluene	0.7	100	0.7	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.00013	J	0.0016	U	0.015	J	0.0016	U	0.007	J	0.0014	U
trans-1,3-Dichloropropene	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0046	U	0.0052	U	0.12	U	0.0052	U	0.12	U	0.0048	U
Trichloroethene	0.47	21	0.47	0.0022		0.00024	J	**1.6**		0.00076		**1.9**		0.014	
Trichlorofluoromethane	--	--	--	0.0037	U	0.0042	U	0.097	U	0.0042	U	0.093	U	0.0038	U
Vinyl acetate	--	--	--	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
Vinyl chloride	0.02	0.9	0.02	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
Xylenes, Total	0.26	100	1.6	0.00093	U	0.001	U	0.024	U	0.001	U	0.059	J	0.00096	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 1 - Volatile Organic Compounds in End Points
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-20		EP-32		EP-36		EP-37		EP-39	
LAB SAMPLE ID				L2351329-02		L2355164-01		L2355164-02		L2355164-10		L2351329-01	
DATE				9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)													
1,1,1,2-Tetrachloroethane	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
1,1,2-Trichloroethane	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,1-Dichloroethane	0.27	26	0.27	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,1-Dichloropropene	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
1,2,3-Trichlorobenzene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,2,3-Trichloropropane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0012	J	0.002	U
1,2,4-Trichlorobenzene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.002	U	0.0017	U	0.0021	U	0.019		0.002	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0031	U	0.0026	U	0.0031	U	0.0027	U	0.003	U
1,2-Dibromoethane	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,2-Dichlorobenzene	1.1	100	1.1	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,2-Dichloroethane	0.02	3.1	0.02	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,2-Dichloroethene, Total	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,2-Dichloropropane	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.002	U	0.0017	U	0.0021	U	0.0068		0.002	U
1,3-Dichlorobenzene	2.4	49	2.4	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,3-Dichloropropane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,3-Dichloropropene, Total	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
1,4-Dichlorobenzene	1.8	13	1.8	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,4-Dioxane	0.1	13	0.1	0.082	U	0.069	U	0.083	U	0.073	U	0.081	U
2,2-Dichloropropane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
2-Butanone	0.12	100	0.12	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
2-Hexanone	--	--	--	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
4-Methyl-2-pentanone	--	--	--	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
Acetone	0.05	100	0.05	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
Acrylonitrile	--	--	--	0.0041	U	0.0035	U	0.0041	U	0.0036	U	0.004	U
Benzene	0.06	4.8	0.06	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
Bromobenzene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Bromochloromethane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Bromodichloromethane	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
Bromoform	--	--	--	0.0041	U	0.0035	U	0.0041	U	0.0036	U	0.004	U
Bromomethane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Carbon disulfide	--	--	--	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
Carbon tetrachloride	0.76	2.4	0.76	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
Chlorobenzene	1.1	100	1.1	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
Chloroethane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Chloroform	0.37	49	0.37	0.0015	U	0.0013	U	0.0016	U	0.0014	U	0.0015	U
Chloromethane	--	--	--	0.0041	U	0.0035	U	0.0041	U	0.0036	U	0.004	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
cis-1,3-Dichloropropene	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
Dibromochloromethane	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
Dibromomethane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Dichlorodifluoromethane	--	--	--	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
Ethyl ether	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Ethylbenzene	1	41	1	0.001	U	0.00087	U	0.001	U	0.0051		0.001	U
Hexachlorobutadiene	--	--	--	0.0041	U	0.0035	U	0.0041	U	0.0036	U	0.004	U
Isopropylbenzene	--	--	--	0.001	U	0.00087	U	0.001	U	0.00072	J	0.001	U
Methyl tert butyl ether	0.93	100	0.93	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Methylene chloride	0.05	100	0.05	0.0051	U	0.0043	U	0.0052	U	0.0045	U	0.005	U
n-Butylbenzene	12	100	12	0.001	U	0.00087	U	0.001	U	0.00028	J	0.001	U
n-Propylbenzene	3.9	100	3.9	0.001	U	0.00087	U	0.001	U	0.0016		0.001	U
Naphthalene	12	100	12	0.0041	U	0.0035	U	0.0041	U	0.0012	J	0.004	U
o-Chlorotoluene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
o-Xylene	--	--	--	0.001	U	0.00087	U	0.001	U	0.0039		0.001	U
p-Chlorotoluene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
p-Diethylbenzene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0049		0.002	U
p-Ethyltoluene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0063		0.002	U
p-Isopropyltoluene	--	--	--	0.001	U	0.00087	U	0.001	U	0.00016	J	0.001	U
p/m-Xylene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0079		0.002	U
sec-Butylbenzene	11	100	11	0.001	U	0.00087	U	0.001	U	0.00024	J	0.001	U
Styrene	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
tert-Butylbenzene	5.9	100	5.9	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Tetrachloroethene	1.3	19	1.3	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
Toluene	0.7	100	0.7	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0015	U	0.0013	U	0.0016	U	0.0014	U	0.0015	U
trans-1,3-Dichloropropene	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0051	U	0.0043	U	0.0052	U	0.0045	U	0.005	U
Trichloroethene	0.47	21	0.47	0.0014		0.00016	J	0.00019	J	0.00012	J	0.00036	J
Trichlorofluoromethane	--	--	--	0.0041	U	0.0035	U	0.0041	U	0.0036	U	0.004	U
Vinyl acetate	--	--	--	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
Vinyl chloride	0.02	0.9	0.02	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.00087	U	0.001	U	0.012		0.001	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-06		EP-07		EP-08		EP-09		EP-11		EP-12	
LAB SAMPLE ID				L2351329-06		L2351329-05		L2355164-05		L2355164-07		L2355164-06		L2355164-04	
DATE				9/5/2023		9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)															
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.027	U	0.026	U	0.027	U	0.027	U	0.026	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.87	U	0.84	U	0.88	U	0.86	U	0.85	U	0.87	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.15	J	0.21	U	0.03	J	0.031	J	0.21	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.39	U	0.38	U	0.39	U	0.38	U	0.38	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.033	J	0.25	U	0.26	U	0.26	U	0.25	U	0.26	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.47	U	0.46	U	0.47	U	0.46	U	0.46	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.25	U	0.25	U	0.26	U	0.25	U	0.25	U	0.25	U
Acenaphthene	20	100	98	0.24		0.14	U	0.04	J	0.085	J	0.14	U	0.14	U
Acenaphthylene	100	1000	107	0.053	J	0.14	U	0.037	J	0.24		0.14	U	0.14	U
Acetophenone	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.43		0.1	U	0.12		0.28		0.11	U	0.11	U
Benzo(a)anthracene	1	1	1	0.57		0.034	J	0.49		**1.2**		0.11	U	0.056	J
Benzo(a)pyrene	1	1	22	0.58		0.14	U	0.51		**1.6**		0.14	U	0.08	J
Benzo(b)fluoranthene	1	1	1.7	0.66		0.041	J	0.6		**2**		0.11	U	0.088	J
Benzo(ghi)perylene	100	100	1000	0.39		0.056	J	0.33		0.8		0.14	U	0.034	J
Benzo(k)fluoranthene	0.8	3.9	1.7	0.14		0.1	U	0.16		0.64		0.11	U	0.11	U
Benzoic Acid	--	--	--	0.58	U	0.57	U	0.59	U	0.58	U	0.57	U	0.59	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.043	J	0.4	U	0.42	U	0.41	U	0.4	U	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.2	U	0.19	U	0.19	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.21	U	0.22	U	0.21	U	0.21	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.11	J	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	--	--	--	0.16	J	0.18	U	0.047	J	0.086	J	0.18	U	0.18	U
Chrysene	1	3.9	1	0.63		0.036	J	0.56		**1.2**		0.11	U	0.06	J
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.078	J	0.1	U	0.074	J	0.17		0.11	U	0.11	U
Dibenzofuran	7	59	210	0.17	J	0.18	U	0.025	J	0.046	J	0.18	U	0.18	U
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	1.4		0.062	J	0.83		1.7		0.11	U	0.088	J
Fluorene	30	100	386	0.2		0.18	U	0.037	J	0.064	J	0.18	U	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.52	U	0.5	U	0.52	U	0.51	U	0.5	U	0.52	U
Hexachloroethane	--	--	--	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.31		0.034	J	0.33		**0.97**		0.14	U	0.038	J
Isophorone	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.46		0.18	U	0.05	J	0.08	J	0.18	U	0.18	U
NDPA/DPA	--	--	--	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.062	J	0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	1.8		0.036	J	0.52		1.1		0.11	U	0.076	J
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	1.4		0.061	J	0.85		1.8		0.11	U	0.086	J

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted, Restricted Residential and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 2 - Semi-Volatile Organic Compounds in End Points
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-13		EP-14		EP-15		EP-16		EP-17		EP-19	
LAB SAMPLE ID				L2355164-03		L2351329-07		L2355164-08		L2351329-04		L2355164-09		L2351329-03	
DATE				9/20/2023		9/5/2023		9/20/2023		9/5/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)															
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.026	U	0.027	U	0.027	U	0.027	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.89	U	0.83	U	0.86	U	0.86	U	0.88	U	0.87	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.22	U	0.21	U	0.064	J	0.22	U	3.4		0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.4	U	0.37	U	0.39	U	0.39	U	0.39	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.25	U	0.26	U	0.26	U	0.26	U	0.26	U
3-Nitroaniline	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.48	U	0.45	U	0.47	U	0.47	U	0.47	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.26	U	0.24	U	0.25	U	0.25	U	0.26	U	0.25	U
Acenaphthene	20	100	98	0.15	U	0.14	U	0.12	J	0.14	U	0.26		0.14	U
Acenaphthylene	100	1000	107	0.15	U	0.14	U	0.072	J	0.14	U	0.16		0.14	U
Acetophenone	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.11	U	0.1	U	0.32		0.11	U	0.36		0.11	U
Benzo(a)anthracene	1	1	1	0.085	J	0.1	U	0.82		0.11	U	0.62		0.11	U
Benzo(a)pyrene	1	1	22	0.084	J	0.14	U	0.78		0.14	U	0.66		0.14	U
Benzo(b)fluoranthene	1	1	1.7	0.088	J	0.1	U	0.92		0.11	U	0.81		0.11	U
Benzo(ghi)perylene	100	100	1000	0.046	J	0.14	U	0.34		0.14	U	0.39		0.14	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.03	J	0.1	U	0.26		0.11	U	0.23		0.11	U
Benzoic Acid	--	--	--	0.6	U	0.56	U	0.58	U	0.58	U	0.59	U	0.59	U
Benzyl Alcohol	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.42	U	0.4	U	0.41	U	0.41	U	0.35	J	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.19	U	0.19	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.21	U	0.22	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.17	U	0.1	J	0.18	U	0.22		0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	--	--	--	0.18	U	0.17	U	0.1	J	0.18	U	0.18	U	0.18	U
Chrysene	1	3.9	1	0.09	J	0.1	U	0.86		0.11	U	0.61		0.11	U
Di-n-butylphthalate	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.1	U	0.078	J	0.11	U	0.11		0.11	U
Dibenzofuran	7	59	210	0.18	U	0.17	U	0.069	J	0.18	U	0.64		0.18	U
Diethyl phthalate	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	0.15		0.1	U	1.6		0.11	U	1.8		0.11	U
Fluorene	30	100	386	0.18	U	0.17	U	0.11	J	0.18	U	0.74		0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.53	U	0.5	U	0.51	U	0.52	U	0.52	U	0.52	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.046	J	0.14	U	0.37		0.14	U	**0.58**		0.14	U
Isophorone	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.18	U	0.17	U	0.072	J	0.18	U	0.51		0.18	U
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.17	U	0.22		0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	0.11		0.1	U	1.3		0.11	U	1.7		0.11	U
Phenol	0.33	100	0.33	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	0.16		0.1	U	1.7		0.11	U	1.8		0.11	U

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted, Restricted Residential and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 2 - Semi-Volatile Organic Compounds in End Points
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-20		EP-32		EP-36		EP-37		EP-39	
LAB SAMPLE ID				L2351329-02		L2355164-01		L2355164-02		L2355164-10		L2351329-01	
DATE				9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)													
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.027	U	0.028	U	0.029	U	0.03	U	0.026	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.12	U	0.12	U	0.1	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.17	U	0.17	U	0.18	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.85	U	0.89	U	0.93	U	0.96	U	0.85	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2-Methylnaphthalene	--	--	--	0.21	U	0.22	U	0.23	U	0.24	U	0.21	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2-Nitrophenol	--	--	--	0.38	U	0.4	U	0.42	U	0.43	U	0.38	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.27	U	0.28	U	0.29	U	0.25	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.46	U	0.48	U	0.5	U	0.52	U	0.46	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
4-Nitrophenol	--	--	--	0.25	U	0.26	U	0.27	U	0.28	U	0.25	U
Acenaphthene	20	100	98	0.14	U	0.034	J	0.15	U	0.16	U	0.14	U
Acenaphthylene	100	1000	107	0.14	U	0.15	U	0.15	U	0.16	U	0.14	U
Acetophenone	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Anthracene	100	100	1000	0.11	U	0.082	J	0.12	U	0.12	U	0.1	U
Benzo(a)anthracene	1	1	1	0.11	U	0.33		0.035	J	0.12	U	0.068	J
Benzo(a)pyrene	1	1	22	0.14	U	0.3		0.15	U	0.16	U	0.071	J
Benzo(b)fluoranthene	1	1	1.7	0.11	U	0.32		0.033	J	0.12	U	0.082	J
Benzo(ghi)perylene	100	100	1000	0.14	U	0.15		0.15	U	0.16	U	0.048	J
Benzo(k)fluoranthene	0.8	3.9	1.7	0.11	U	0.11		0.12	U	0.12	U	0.1	U
Benzoic Acid	--	--	--	0.58	U	0.6	U	0.63	U	0.64	U	0.57	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Biphenyl	--	--	--	0.4	U	0.42	U	0.44	U	0.45	U	0.4	U
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.2	U	0.21	U	0.22	U	0.19	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.17	U	0.17	U	0.18	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.21	U	0.22	U	0.23	U	0.24	U	0.21	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Carbazole	--	--	--	0.18	U	0.028	J	0.19	U	0.2	U	0.18	U
Chrysene	1	3.9	1	0.11	U	0.33		0.036	J	0.12	U	0.07	J
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.035	J	0.12	U	0.12	U	0.1	U
Dibenzofuran	7	59	210	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Fluoranthene	100	100	1000	0.11	U	0.62		0.066	J	0.12	U	0.11	
Fluorene	30	100	386	0.18	U	0.034	J	0.19	U	0.2	U	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.12	U	0.12	U	0.1	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.51	U	0.53	U	0.55	U	0.57	U	0.5	U
Hexachloroethane	--	--	--	0.14	U	0.15	U	0.15	U	0.16	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.14	U	0.17		0.15	U	0.16	U	0.042	J
Isophorone	--	--	--	0.16	U	0.17	U	0.17	U	0.18	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Naphthalene	12	100	12	0.18	U	0.022	J	0.19	U	0.2	U	0.18	U
NDPA/DPA	--	--	--	0.14	U	0.15	U	0.15	U	0.16	U	0.14	U
Nitrobenzene	--	--	--	0.16	U	0.17	U	0.17	U	0.18	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.14	U	0.15	U	0.15	U	0.16	U	0.14	U
Phenanthrene	100	100	1000	0.11	U	0.45		0.05	J	0.12	U	0.049	J
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Pyrene	100	100	1000	0.11	U	0.69		0.063	J	0.12	U	0.11	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted, Restricted Residential and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-06		EP-07		EP-08		EP-09		EP-11		EP-12	
LAB SAMPLE ID				L2351329-06		L2351329-05		L2355164-05		L2355164-07		L2355164-06		L2355164-04	
DATE				9/5/2023		9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)															
Aluminum, Total	--	--	--	5500		5340		7040		6980		5430		7260	
Antimony, Total	--	--	--	4.27	U	4.24	U	4.25	U	4.13	U	4.3	U	4.28	U
Arsenic, Total	13	16	16	1.41		1.3		2.64		3.14		1.06		1.52	
Barium, Total	350	400	820	22.7		18.9		51.5		49.8		42.1		26.8	
Beryllium, Total	7.2	72	47	0.318	J	0.234	J	0.344	J	0.433		0.276	J	0.32	J
Cadmium, Total	2.5	4.3	7.5	0.853	U	0.502	J	0.095	J	0.082	J	0.861	U	0.855	U
Calcium, Total	--	--	--	603		596		5400		5390		550		779	
Chromium, Total*	1	180	--	6.88		12.3		11.2		12.7		8.02		11.1	
Colbalt, Total	--	--	--	2.9		2.58		3.96		4.49		2.97		3.58	
Copper, Total	50	270	1720	6.29		8.03		14		16.1		4.34		6.43	
Iron, Total	--	--	--	8590		8480		10500		13000		7840		10100	
Lead, Total	63	400	450	5.83		3.8	J	45.8		40.3		3.52	J	6.02	
Magnesium, Total	--	--	--	1570		1340		3180		3140		1400		1660	
Manganese, Total	1600	2000	2000	295		230		308		363		261		218	
Mercury, Total	0.18	0.81	0.73	0.084	U	0.074	U	0.098		0.129		0.07	U	0.07	U
Nickel, Total	30	310	130	7.08		6.52		8.62		9.02		6.23		8.2	
Potassium, Total	--	--	--	481		366		636		681		338		461	
Selenium, Total	3.9	180	4	1.71	U	1.7	U	1.7	U	0.292	J	1.72	U	1.71	U
Silver, Total	2	180	8.3	0.427	U	0.424	U	0.425	U	0.413	U	0.43	U	0.428	U
Sodium, Total	--	--	--	298		120	J	137	J	144	J	114	J	66.4	J
Thallium, Total	--	--	--	1.71	U	1.7	U	0.53	J	0.612	J	0.427	J	0.37	J
Vanadium, Total	--	--	--	9.48		8.02		14.7		19		8.79		12.4	
Zinc, Total	109	10000	2480	15.2		15.5		49.7		49.1		14.9		17	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 3 - Total Metals in End Points
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-13		EP-14		EP-15		EP-16		EP-17		EP-19	
LAB SAMPLE ID				L2355164-03		L2351329-07		L2355164-08		L2351329-04		L2355164-09		L2351329-03	
DATE				9/20/2023		9/5/2023		9/20/2023		9/5/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)															
Aluminum, Total	--	--	--	7620		7240		7220		6790		5950		7560	
Antimony, Total	--	--	--	4.37	U	4.23	U	4.25	U	4.33	U	4.22	U	4.36	U
Arsenic, Total	13	16	16	1.75		1.62		3.3		1.35		2.71		1.49	
Barium, Total	350	400	820	35.9		26.9		63.8		26.9		60.1		29.8	
Beryllium, Total	7.2	72	47	0.339	J	0.354	J	0.389	J	0.291	J	0.332	J	0.299	J
Cadmium, Total	2.5	4.3	7.5	0.874	U	0.846	U	0.157	J	0.866	U	0.122	J	0.871	U
Calcium, Total	--	--	--	1350		716		6290		598		4740		623	
Chromium, Total*	1	180	--	11.6		8.91		13		10.5		10.9		14.4	
Colbalt, Total	--	--	--	3.66		3.28		3.89		3.3		3.38		3.34	
Copper, Total	50	270	1720	9.33		6.8		17.6		5.47		14.3		6.18	
Iron, Total	--	--	--	10400		9900		9120		9740		8320		10400	
Lead, Total	63	400	450	12.6		5.54		**75**		4.47		49.4		4.5	
Magnesium, Total	--	--	--	1920		1620		2760		1530		2080		1520	
Manganese, Total	1600	2000	2000	307		328		342		398		354		226	
Mercury, Total	0.18	0.81	0.73	0.071	U	0.085	U	0.172		0.075	U	0.115		0.081	U
Nickel, Total	30	310	130	8.52		8.66		9.2		7.66		7.79		8.69	
Potassium, Total	--	--	--	480		490		592		396		504		499	
Selenium, Total	3.9	180	4	1.75	U	1.69	U	0.264	J	1.73	U	0.496	J	1.74	U
Silver, Total	2	180	8.3	0.437	U	0.423	U	0.425	U	0.433	U	0.422	U	0.436	U
Sodium, Total	--	--	--	77.3	J	97.8	J	307		76.1	J	120	J	166	J
Thallium, Total	--	--	--	0.39	J	1.69	U	0.563	J	1.73	U	0.458	J	0.316	J
Vanadium, Total	--	--	--	12.8		10.9		16.4		11.9		13.7		12.4	
Zinc, Total	109	10000	2480	23.1		15.4		84.6		14.6		80.2		14.9	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 3 - Total Metals in End Points
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-20		EP-32		EP-36		EP-37		EP-39	
LAB SAMPLE ID				L2351329-02		L2355164-01		L2355164-02		L2355164-10		L2351329-01	
DATE				9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)													
Aluminum, Total	--	--	--	4710		6480		5130		4820		5730	
Antimony, Total	--	--	--	4.15	U	4.37	U	4.49	U	4.59	U	4.14	U
Arsenic, Total	13	16	16	1.18		2.48		1.67		1.67		2.34	
Barium, Total	350	400	820	33		56		30.8		22.2		33.6	
Beryllium, Total	7.2	72	47	0.252	J	0.324	J	0.292	J	0.281	J	0.302	J
Cadmium, Total	2.5	4.3	7.5	0.83	U	0.874	U	0.899	U	0.918	U	0.828	U
Calcium, Total	--	--	--	377		2730		939		1880		1850	
Chromium, Total*	1	180	--	6.75		11.6		8.45		7.55		9.61	
Colbalt, Total	--	--	--	2.77		4.44		3.36		3.2		3.68	
Copper, Total	50	270	1720	5.41		11.9		7.17		6.58		11.7	
Iron, Total	--	--	--	7780		11600		9310		7900		9780	
Lead, Total	63	400	450	3.21	J	40.7		6.97		6		29.1	
Magnesium, Total	--	--	--	1380		2570		1830		2400		1940	
Manganese, Total	1600	2000	2000	258		314		420		217		294	
Mercury, Total	0.18	0.81	0.73	0.077	U	0.111		0.075	U	0.077	U	0.079	J
Nickel, Total	30	310	130	6.33		9.01		7.6		7.39		8.6	
Potassium, Total	--	--	--	435		704		549		512		577	
Selenium, Total	3.9	180	4	1.66	U	1.75	U	1.8	U	0.256	J	1.66	U
Silver, Total	2	180	8.3	0.415	U	0.437	U	0.449	U	0.459	U	0.414	U
Sodium, Total	--	--	--	173		101	J	73.1	J	92.2	J	122	J
Thallium, Total	--	--	--	1.66	U	0.561	J	0.504	J	0.403	J	0.419	J
Vanadium, Total	--	--	--	8.81		15.3		11.7		10.2		12.6	
Zinc, Total	109	10000	2480	11.9		37.5		19.1		16.4		34.4	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-06		EP-07		EP-08		EP-09		EP-11		EP-12	
LAB SAMPLE ID				L2351329-06		L2351329-05		L2355164-05		L2355164-07		L2355164-06		L2355164-04	
DATE				9/5/2023		9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081															
4,4'-DDD	0.0033	13	14	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
4,4'-DDE	0.0033	8.9	17	0.00172	U	0.00164	U	0.000927	J	0.00167	U	0.0017	U	0.00175	U
4,4'-DDT	0.0033	7.9	136	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Aldrin	0.005	0.097	0.19	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Alpha-BHC	0.02	0.48	0.02	0.000715	U	0.000682	U	0.000712	U	0.000698	U	0.000709	U	0.000731	U
Beta-BHC	0.036	0.36	0.09	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Chlordane	--	--	--	0.0143	U	0.0136	U	0.0142	U	0.014	U	0.0142	U	0.0146	U
cis-Chlordane	0.094	4.2	2.9	0.00215	U	0.00204	U	0.00214	U	0.00209	U	0.00213	U	0.00219	U
Delta-BHC	0.04	100	0.25	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Dieldrin	0.005	0.2	0.1	0.00107	U	0.00102	U	0.00107	U	0.00105	U	0.00106	U	0.0011	U
Endosulfan I	2.4	24	102	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Endosulfan II	2.4	24	102	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Endosulfan sulfate	2.4	24	1000	0.000715	U	0.000682	U	0.000712	U	0.000698	U	0.000709	U	0.000731	U
Endrin	0.014	11	0.06	0.000715	U	0.000682	U	0.000712	U	0.000698	U	0.000709	U	0.000731	U
Endrin aldehyde	--	--	--	0.00215	U	0.00204	U	0.00214	U	0.00209	U	0.00213	U	0.00219	U
Endrin ketone	--	--	--	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Heptachlor	0.042	2.1	0.38	0.000858	U	0.000818	U	0.000854	U	0.000837	U	0.000851	U	0.000877	U
Heptachlor epoxide	--	--	--	0.00322	U	0.00307	U	0.0032	U	0.00314	U	0.00319	U	0.00329	U
Lindane	0.1	1.3	0.1	0.000715	U	0.000682	U	0.000712	U	0.000698	U	0.000709	U	0.000731	U
Methoxychlor	--	--	--	0.00322	U	0.00307	U	0.0032	U	0.00314	U	0.00319	U	0.00329	U
Toxaphene	--	--	--	0.0322	U	0.0307	U	0.032	U	0.0314	U	0.0319	U	0.0329	U
trans-Chlordane	--	--	--	0.00215	U	0.00204	U	0.00214	U	0.00209	U	0.00213	U	0.00219	U
Polychlorinated Biphenyls by EPA Method 8082A															
Aroclor 1016	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1221	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1232	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1242	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1254	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1260	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1262	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1268	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
PCBs, Total	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-13		EP-14		EP-15		EP-16		EP-17		EP-19	
LAB SAMPLE ID				L2355164-03		L2351329-07		L2355164-08		L2351329-04		L2355164-09		L2351329-03	
DATE				9/20/2023		9/5/2023		9/20/2023		9/5/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081															
4,4'-DDD	0.0033	13	14	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
4,4'-DDE	0.0033	8.9	17	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
4,4'-DDT	0.0033	7.9	136	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Aldrin	0.005	0.097	0.19	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Alpha-BHC	0.02	0.48	0.02	0.000712	U	0.000693	U	0.000713	U	0.000712	U	0.000728	U	0.00072	U
Beta-BHC	0.036	0.36	0.09	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Chlordane	--	--	--	0.0142	U	0.0139	U	0.0142	U	0.0142	U	0.0146	U	0.0144	U
cis-Chlordane	0.094	4.2	2.9	0.00214	U	0.00208	U	0.00214	U	0.00214	U	0.00218	U	0.00216	U
Delta-BHC	0.04	100	0.25	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Dieldrin	0.005	0.2	0.1	0.00107	U	0.00104	U	0.00107	U	0.00107	U	0.00109	U	0.00108	U
Endosulfan I	2.4	24	102	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Endosulfan II	2.4	24	102	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Endosulfan sulfate	2.4	24	1000	0.000712	U	0.000693	U	0.000713	U	0.000712	U	0.000728	U	0.00072	U
Endrin	0.014	11	0.06	0.000712	U	0.000693	U	0.000713	U	0.000712	U	0.000728	U	0.00072	U
Endrin aldehyde	--	--	--	0.00214	U	0.00208	U	0.00214	U	0.00214	U	0.00218	U	0.00216	U
Endrin ketone	--	--	--	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Heptachlor	0.042	2.1	0.38	0.000855	U	0.000832	U	0.000855	U	0.000854	U	0.000874	U	0.000864	U
Heptachlor epoxide	--	--	--	0.00321	U	0.00312	U	0.00321	U	0.0032	U	0.00328	U	0.00324	U
Lindane	0.1	1.3	0.1	0.000712	U	0.000693	U	0.000713	U	0.000712	U	0.000728	U	0.00072	U
Methoxychlor	--	--	--	0.00321	U	0.00312	U	0.00321	U	0.0032	U	0.00328	U	0.00324	U
Toxaphene	--	--	--	0.0321	U	0.0312	U	0.0321	U	0.032	U	0.0328	U	0.0324	U
trans-Chlordane	--	--	--	0.00214	U	0.00208	U	0.00214	U	0.00214	U	0.00218	U	0.00216	U
Polychlorinated Biphenyls by EPA Method 8082A															
Aroclor 1016	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1221	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1232	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1242	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1254	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1260	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1262	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1268	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
PCBs, Total	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
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J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-20		EP-32		EP-36		EP-37		EP-39	
LAB SAMPLE ID				L2351329-02		L2355164-01		L2355164-02		L2355164-10		L2351329-01	
DATE				9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081													
4,4'-DDD	0.0033	13	14	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
4,4'-DDE	0.0033	8.9	17	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
4,4'-DDT	0.0033	7.9	136	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Aldrin	0.005	0.097	0.19	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Alpha-BHC	0.02	0.48	0.02	0.000698	U	0.000722	U	0.000772	U	0.000785	U	0.00068	U
Beta-BHC	0.036	0.36	0.09	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Chlordane	--	--	--	0.014	U	0.0144	U	0.0154	U	0.0157	U	0.0136	U
cis-Chlordane	0.094	4.2	2.9	0.0021	U	0.00216	U	0.00232	U	0.00236	U	0.00204	U
Delta-BHC	0.04	100	0.25	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Dieldrin	0.005	0.2	0.1	0.00105	U	0.00108	U	0.00116	U	0.00118	U	0.00102	U
Endosulfan I	2.4	24	102	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Endosulfan II	2.4	24	102	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Endosulfan sulfate	2.4	24	1000	0.000698	U	0.000722	U	0.000772	U	0.000785	U	0.00068	U
Endrin	0.014	11	0.06	0.000698	U	0.000722	U	0.000772	U	0.000785	U	0.00068	U
Endrin aldehyde	--	--	--	0.0021	U	0.00216	U	0.00232	U	0.00236	U	0.00204	U
Endrin ketone	--	--	--	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Heptachlor	0.042	2.1	0.38	0.000838	U	0.000866	U	0.000927	U	0.000942	U	0.000816	U
Heptachlor epoxide	--	--	--	0.00314	U	0.00325	U	0.00348	U	0.00353	U	0.00306	U
Lindane	0.1	1.3	0.1	0.000698	U	0.000722	U	0.000772	U	0.000785	U	0.00068	U
Methoxychlor	--	--	--	0.00314	U	0.00325	U	0.00348	U	0.00353	U	0.00306	U
Toxaphene	--	--	--	0.0314	U	0.0325	U	0.0348	U	0.0353	U	0.0306	U
trans-Chlordane	--	--	--	0.0021	U	0.00216	U	0.00232	U	0.00236	U	0.00204	U
Polychlorinated Biphenyls by EPA Method 8082A													
Aroclor 1016	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1221	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1232	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1242	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1254	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1260	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1262	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1268	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
PCBs, Total	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

Table 5 - Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	NYSDEC PFOA/PFOS guidance values - Unrestricted	NYSDEC PFOA/PFOS guidance values - Restricted Residential	NYSDEC PFOA/PFOS guidance values - Protection of Groundwater	EP-17		EP-37		EP-39	
LAB SAMPLE ID				9/20/2023		9/20/2023		9/5/2023	
DATE				L2355164-09		L2355164-10		L2351329-01	
SAMPLE DEPTH (ft.)				5		5		5	
				Results	Qual	Results	Qual	Results	Qual
PFAS by EPA Method 537.1									
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	--	--	0.000802	U	0.000798	U	0.0008	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	0.000802	U	0.000798	U	0.0008	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorobutanoic Acid (PFBA)	--	--	--	0.000802	U	0.000798	U	0.0008	U
Perfluorodecanesulfonic Acid (PFDS)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorodecanoic Acid (PFDA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorododecanoic Acid (PFDoA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorohexanoic Acid (PFHxA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorononanoic Acid (PFNA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorooctanesulfonamide (FOSA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037	0.000153	J	0.000199	U	0.000132	J
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	0.000063	J	0.000199	U	0.000125	J
Perfluoropentanoic Acid (PFPeA)	--	--	--	0.000401	U	0.000399	U	0.0004	U
Perfluorotetradecanoic Acid (PFTA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
PFOA/PFOS, Total	--	--	--	0.000216	J	0.000199	U	0.000257	J

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

U: Not detected at the reported detection limit for the sample.

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT C

PROJECT SCHEDULE

DeM Builders
THE DEMATTEIS ORGANIZATIONS

2-Week Look Ahead

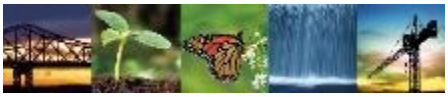
Contractor		30-Oct M	31-Oct T	1-Nov W	2-Nov Th	3-Nov F	4-Nov Sat	5-Nov Sun	6-Nov M	7-Nov T	8-Nov W	9-Nov Th	10-Nov F	11-Nov Sat	12-Nov Sun	COMMENTS
DeMatteis	Jobsite safety compliance and supervision															
	Cleaning debris and rubbish from jobsite perimeter															
	Setting up/Breaking down temp water manifold on Gerard															
J&A	Dewatering groundwater for foundation installations															
	Delivery of DOKA formwork for wall construction															
	Forming 1 line walls and pouring concrete															
	Forming and Shifting wall formwork to Q line															
	Pouring the Q line walls															
	Forming and shifting wall formwork to R line															
	Forming upper portion of Mat C and pouring															
	Excavating hot spot along 1 line															
	Forming and Pouring 1/2/2.5:J/K pile caps															
	Backfilling Mat C and forming adjacent pile caps on 3 line															
	Filling piles and installing rebar in the P.3:3 pile cap															
	Pouring 3:M.5/P.3 pile caps															
	Excavating the Mat A area and installing formwork															
	Filling piles in the 6 line between M and P															
	Excavating, forming and pouring the pits between M.5:N.5															
	Forming the 6 line pile caps and wall footings															
	Pouring the 6 line pile caps and wall footings															
Tonnage	Rebar installation for Mat C															
	Rebar installation for 1:Q:R walls															
	Rebar installation for pits, pile caps and wall footings															
Crown Waterproofing	Waterproofing pile caps & wall footings per pour schedule															
	Waterproofing pits															
Hellman Electric	Installing temp pole on Gerard and wiring turnstile															
	Installing temp shed panels, cabinets, and troughs															
Inspections	CAMP Inspections during excavation work (GZA)															
	Waterproofing monitoring as needed (GZA)															
	SOE monitoring movement (MRCE)															
	Pile Concrete Inspection (AEL, MRCE)															
	Rebar inspections for piles (AEL)															
	Caps, walls, and footing Rebar & Concrete inspections (AEL, LERA)															
	Subgrade inspections															

DeMatteis Builders
THE DEMATTEIS ORGANIZATIONS

2-Week Look Ahead

Contractor		6-Nov M	7-Nov T	8-Nov W	9-Nov Th	10-Nov F	11-Nov Sat	12-Nov Sun	13-Nov M	14-Nov T	15-Nov W	16-Nov Th	17-Nov F	18-Nov Sat	19-Nov Sun	COMMENTS
DeMatteis	Jobsite safety compliance and supervision															
	Cleaning debris and rubbish from jobsite perimeter															
	Setting up/Breaking down temp water manifold on Gerard															
J&A	Dewatering groundwater for foundation installations															
	Stripping Mat C and 1 line wall of formwork															
	Backfilling Mat C and forming 3 line pile caps															
	Formwork installation on Q line wall															
	Pouring Q line wall															
	Pouring pile caps between 1 and 2.5/J to K															
	Excavating for Mat A and installing stone and form work															
	Filling piles for c.l. 3 and 6 piles															
	Pouring Mat A lower level															
	Forming upper level Mat A and elevator pit															
	Forming 6 line pile caps															
	Pouring 3 line and 6 line pile caps															
	Stripping the Q line walls															
	Forming the R line walls and shear wall															
	Pouring the R line walls and shear wall															
	Shifting the Shanty and Material storage sheds off 6 line															
Tonnage	Rebar installation for pile caps on 1 and 3 lines															
	Rebar installation for Q line wall															
	Rebar install for lower level Mat A															
	Rebar installation for R line wall															
	Rebar installation for upper level Mat A															
	Rebar installation for 6 line caps															
Crown Waterproofing	Waterproofing walls of Mat C															
	Waterproofing caps adjacent to Mat C and 1/2.5:J/K															
	Waterproofing 6 line pile caps															
	Waterproofing installation on Mat A															
Hellman Electric	Temp shed construction for site power															
	Power pole installation and turnstile activation															
Inspections	CAMP Inspections during excavation work (GZA)															
	Waterproofing monitoring as needed (GZA)															
	SOE monitoring movement (MRCE)															
	Pile Concrete Inspection (AEL, MRCE)															
	Rebar inspections for piles (AEL)															
	Caps, walls, and footing Rebar & Concrete inspections (AEL, LERA)															
	Subgrade inspections															

GZA GeoEnvironmental of New York



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MONTHLY PROGRESS REPORT

INTERIM REMEDIAL MEASURE
101 EAST 150th STREET, BRONX, NY 10451
Block 2354 Lot 1

BCP SITE NO. C203154

PERIOD: November 1, 2023 to November 30, 2023
REPORT DATE: December 8, 2023
GZA File No.: 41.0163097.00

PREPARED FOR:
586 RIVER AVE., LLC
95 Pine Street, 6th Floor
New York, NY 10005

GOLDBERG-ZOINO ASSOCIATES OF NEW YORK P.C.
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MONTHLY PROGRESS REPORT

101 East 150th Street, Bronx, NY 10451
Brownfield Cleanup Program No. C203154

Monthly Progress Report No. 05
Period: November 1, 2023 to November 30, 2023

The following report summarizes the activities performed within the period stated above under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street, Bronx, NY located at the NYC Tax Block 2354, Lot 1 (the Site). The 586 River Ave. LLC (Participant) has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC and the New York State Department of Health (NYSDOH) to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

ON-SITE SUMMARY

	COMPANIES/ORGANIZATIONS
QEP:	GZA
CONTRACTORS:	J&A Concrete
	DeMatteis Organization
SUBCONTRACTORS:	
	Crown Waterproofing
	Clean Globe Environmental (CGE)
	Soil Solutions
	SRM Concrete
	Cousin Metal Industries Inc.
	Cardella Waste

I. Activities Conducted During Reporting Month

- **Site Work Summary**

Construction

- Soil Solutions cut piles in grids B4, B5 and C4.
- J&A Concrete installed rebar and poured concrete in piles, pile caps and grade beams in Grids A1, A2, A3, B1, B2, B3, B4, B5, C1, C2, C4, C5, D1, D2, D3, D4 and D5.
- Excavation for foundations (down to 10 feet below grade) completed at Grid B5. Soils were stockpiled or direct loaded into trucks for transportation off-site (see off-site disposal summary, below).
- J&A excavated in Grids A2, A3, B4, B5, C2, C4, C5, D2, D3, D4 and D5 for installation of formwork for the eastern foundation wall, northern foundation wall and pile caps. J&A then placed formwork in each grid and spread gas permeable aggregates within the formwork for stable subgrade for waterproofing/vapor barrier membrane.
- Crown Waterproofing installed PREPRUFE 300R Plus waterproofing/vapor barrier in pile caps and grade beams in grids A1, A2, A3, A4, B4, C1, C2, C4, C5, D4 and D5. Seams and penetrations were sealed with PREPRUFE

Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps. Stephen Kline, P.E. was onsite on November 14 to observe and document the vapor barrier installation.
- Crown installed BITUTHENE System 4000 waterproofing/vapor barrier in the northeast section of foundation Mat C in grid B2. Seams and penetrations were sealed with BITUTHENE® Liquid Membrane to prevent gaps.
- Additional PREPRUFE 300R Plus Waterproofing Membrane and associated products delivered to Site.
- J&A applied RegenOx according to REGENESIS application instructions (Activator Complex Part B followed by Chemical Oxidant A) in grids B4, B5, C4, and C5. The area was then sprayed with water and RegenOx reagents were mixed with the underlying substrate in accordance with manufacturer's specifications. Reinbill Maniquez, CHMM was onsite to observe and document the application.
- Steel formwork was delivered by Doka and stored in grid B2.
- Cousin Metal Industries Inc. transported cut-off piles as scrap.
- Rebar was delivered and stored in grids C4 and C5.
- J&A constructed timber formwork and stored in grid D4.
- Cardella Waste transported roll-off containers of C&D debris off-site.

Dewatering
- J&A installed a dewatering point in Grid A2.
- Performed dewatering at dewatering points A1, A2, A3, B1, B2, B3, B5, C3, C4, C5, D4 and D5.

Remedial Excavation
- Additional remedial excavation down to 8 feet below grade in grid A5 and B5 at EP 17. Soils were either temporarily stockpiled or directly loaded into trucks for transportation off-site (see off-site disposal summary, below).

A Site Plan showing the Grids is provided in **Attachment A**.

- **Air Monitoring Summary**
  - CAMP was implemented during workdays from November 1, 2023, until November 30, 2023. The CAMP utilized two continuous logging remote telemetry system air monitoring stations (Air Logics 1780 and 1467) outfitted with dust monitors, photoionization detectors, modems, cloud-based data storage and access.
  - There were no vapor or particulate exceedances noted during this monitoring period.

- **Off-Site Disposal Summary**
  - A total of **38 truckloads** (approximately 760 cubic yards) of non-hazardous material were hauled off-Site by Munoz Trucking, Corp. (Part 364 Waste Transporter Permit No. NJ -777). The materials were transported to Clean Earth of Carteret, NJ (under Approval No. 233070971, dated July 25, 2023).

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY
This Month	0	0	38	760	0	0	38	760
Previous Disposal	73	1,460	417	8,340	1	20	491	9,820
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

- **Imported Material Summary**
  - Twelve (12) truckloads of gas permeable aggregates from Tilcon New York, Inc. (Permit No. 30010) were delivered by Shamrock Materials, LLC (Part 364 Waste Transporter Permit No. 2A -502) and stockpiled in grid B3.
  - Five (5) truckloads of Pipe Sand from North American Aggregates (Permit No. 004922) were delivered by Munoz Trucking, Corp. (Part 364 Waste Transporter Permit No. NJ-777) and stockpiled in grid B3.

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
This Month	0	0	12	311.10	5	113.1	0	0
Previous	3	78.56	10	259.07	0	0	27	684.02
TOTAL	**3**	**78.56**	**22**	**570.17**	**5**	**113.1**	**27**	**684.02**

- **Samples Collected This Monitoring Period**
  - On November 14, 2023, endpoint sample EP-17B from Grid B5 at 8 feet bgs.
  - On November 15, 2023, groundwater samples were collected from permanent monitoring wells MW-13, MW-14, MW-15, and MW-16.

- **Samples Results This Monitoring Period**
  - On November 29, 2023, GZA submitted to NYSDEC the endpoint sample results for samples EP-09A (6' bgs), EP-10 (5.5' bgs), EP-15A (6' bgs), EP-17A (6' bgs), EP-17B(8'bgs),EP-18 (5.5' bgs), EP-22A (8' bgs) and EP-31 (10' bgs) (See **Attachment B**).

- **Dewatering Discharged this Monitoring Period**
  - Localized dewatering to remove nuisance stormwater and to place concrete in individual pile caps was performed between November 1 to 30, 2023. A total of 873,556 gallons of water was pumped, treated, and discharged to the New York City Sewer during this monitoring period.

- **Deliverables Submitted During This Monitoring Period**
  - November 1, 2023, to November 30, 2023 - Daily Field Reports No. 73 to No. 92
  - November 15, 2023 - Supplemental Off-Site Remedial Investigation Report
  - November 29, 2023, Endpoint Sample Results Memo No. 4.

- **Meetings**
  - On November 15, 2023, the NYSDEC's Andre Obligado and Wendi Zheng met with representatives of GZA, 586 River Ave.LLC, and DeMatteis during the RegenOx application.

II. <u>Anticipated Activities-Monitoring Period of December 1, 2023, through December 29, 2023</u>

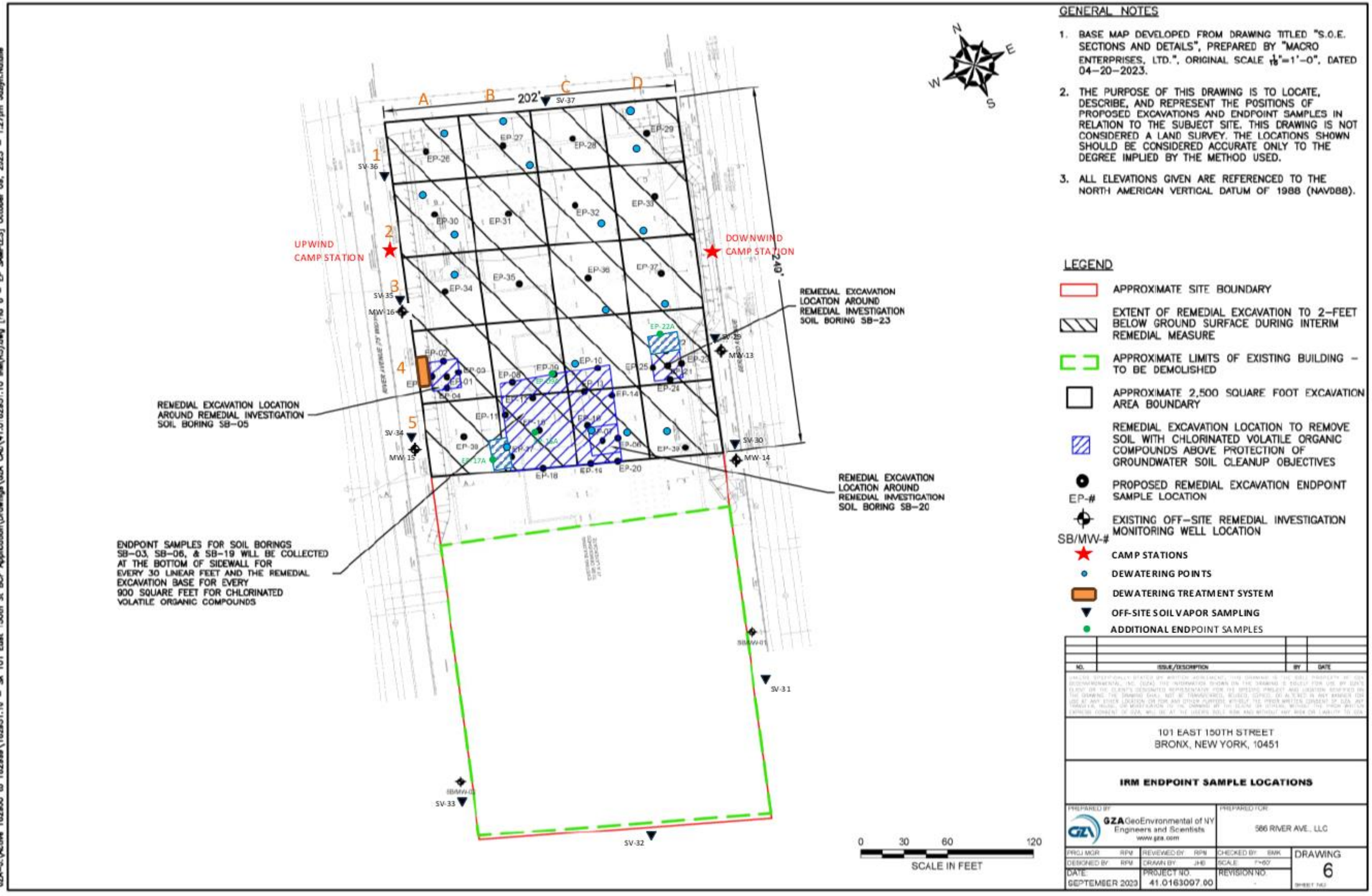
- Importation of material (additional gravel for truck wash and subbase).
- Pile installation and filling available piles with concrete.
- Excavation at areas for pile caps and elevator pits.
- Installation of dewatering wells. Continue dewatering.

- Install vapor barrier / waterproofing membrane on pile caps, and foundation walls.
- Endpoint sampling and laboratory testing.
- Direct application of RegenOx® to remedy source area soil contamination not excavated below the water table.

See **Attachment C** for the Two-Week Look Ahead schedule.

ATTACHMENT A

SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'-0", DATED 04-20-2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2-FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING - TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF-SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY, Engineers and Scientists, www.gza.com	PREPARED FOR: 586 RIVER AVE., LLC
PROJ MGR: RPM	REVIEWED BY: RPN
DESIGNED BY: RPM	DRAWN BY: JHB
CHECKED BY: BMK	SCALE: 1"=60'
DATE: SEPTEMBER 2023	PROJECT NO.: 41.0163097.00
REVISION NO.: -	DRAWING: 6

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GZA-K:\Active 162900 to 162999\162951.10 - 94 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(RS).dwg [FIG 6 - EP SAMPLES] October 09, 2023 - 1:27pm Jaclyn.Nordle

ATTACHMENT B

ENDPOINT SAMPLE RESULTS

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M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Reinbill P. Maniquez

Date: November 29, 2023

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the endpoint (EP) sample results taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on Drawing 1 – IRM Endpoint Sample Results Map (see attached). As shown on Drawing 1, 38 of the proposed 39 IRM EP sample locations have been collected and reported to the NYSDEC as of this memorandum.

The samples EP-09A, EP-10, EP-15A, EP-17A, EP-17B, EP-18, EP-22A and EP-31 were collected from 5.5 to 10 feet below ground surface (bgs), which corresponds to the depth of excavation during the IRM in these areas. The results are summarized in the following tables:

- Table 1: Volatile Organic Compounds in Endpoint Soil Samples
- Table 2: Semi-volatile Organic Compounds in Endpoint Soil Samples
- Table 3: Total Metals in Endpoint Soil Samples
- Table 4: Pesticides and Polychlorinated Biphenyls in Endpoint Soil Samples

Drawing 1 shows the IRM endpoint sampling results compared the soil cleanup objectives (SCOs). Note that EP-18 sample exceeded the target SCOs, however due to its proximity to the fence line, the area will be over excavated after the completion of the building demolition.

This memorandum also transmits to the NYSDEC the laboratory reports (Project ID No. L2362844, L2364575, L2365609, and L2367513) that were prepared by Alpha Analytical Laboratories of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory (see Attachment A).

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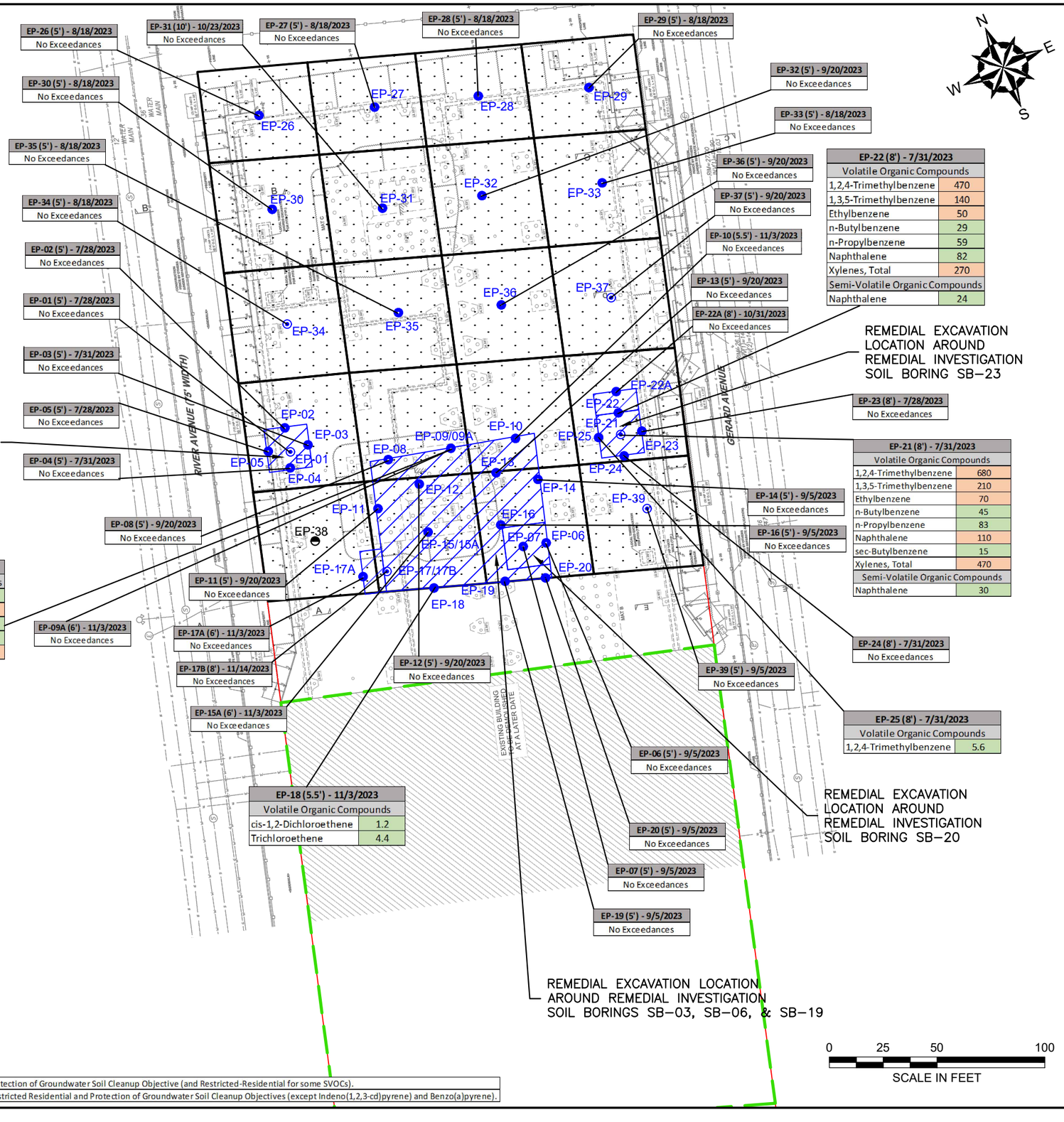
FIGURES



Soil Exceedances	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs
Volatile Organic Compounds		
1,1-dichloroethane	26	0.27
1,2,4-Trimethylbenzene	52	3.6
1,3,5-Trimethylbenzene	52	8.4
cis-1,2-dichloroethene	100	0.25
Ethylbenzene	41	1
n-Butylbenzene	100	12
n-Propylbenzene	100	3.9
Naphthalene	100	12
sec-Butylbenzene	100	11
Trichloroethene	21	0.47
Xylenes, Total	100	1.6
Semi-Volatile Organic Compounds		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	22
Benzo(b)fluoranthene	1	1.7
Chrysene	3.9	1
Indeno(1,2,3-cd)pyrene	0.5	8.2
Naphthalene	100	12

	Analyte exceeds its Part 375 Protection of Groundwater Soil Cleanup Objective (and Restricted-Residential for some SVOCs).
	Analyte exceeds its Part 375 Restricted Residential and Protection of Groundwater Soil Cleanup Objectives (except Indeno(1,2,3-cd)pyrene) and Benzo(a)pyrene).

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-01 — COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION INCLUDING PFAS ANALYSIS
- EP-24 — COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS
- EP-10 — PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

ENDPOINT SAMPLE RESULTS MAP (NOVEMBER 29, 2023)

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 1
DESIGNED BY: JHB	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: NOVEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 Spider Diagram_EPs.dwg [FIG 1 – SPIDER DIAGRAM_Nov] November 29, 2023 – 2:02pm jackson.b

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09A		EP-10		EP-15A		EP-17A		EP-17B		EP-18		EP-22A		EP-31	
LAB SAMPLE ID				L2365609-03		L2365609-01		L2365609-04		L2365609-05		L2367513-01		L2365609-02		L2364575-01		L2362844-01	
DATE				11/3/2023		11/3/2023		11/3/2023		11/3/2023		11/14/2023		11/3/2023		10/31/2023		10/23/2023	
SAMPLE DEPTH (ft.)				6		5.5		6		6		8		5.5		8		10	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00044	U	0.00022	J	0.00047	U	0.00058	U	0.00053	U	0.59		0.00043	U	0.00028	J
1,1,2,2-Tetrachloroethane	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
1,1,2-Trichloroethane	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
1,1-Dichloroethane	0.27	26	0.27	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.2		0.00086	U	0.00081	U
1,1-Dichloroethene	0.33	100	0.33	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
1,1-Dichloropropene	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
1,2,3-Trichlorobenzene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2,3-Trichloropropane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2,4-Trichlorobenzene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0026	U	0.0028	U	0.0028	U	0.0034	U	0.0032	U	0.19	U	0.0026	U	0.0024	U
1,2-Dibromoethane	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2-Dichloroethane	0.02	3.1	0.02	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
1,2-Dichloroethene, Total	--	--	--	0.00088	U	0.00093	U	0.00049	J	0.0012	U	0.00099	J	1.2	J	0.00026	J	0.00013	J
1,2-Dichloropropane	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,3-Dichloropropane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,3-Dichloropropene, Total	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,4-Dioxane	0.1	13	0.1	0.07	U	0.075	U	0.075	U	0.092	U	0.086	U	5	U	0.069	U	0.065	U
2,2-Dichloropropane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
2-Butanone	0.12	100	0.12	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
2-Hexanone	--	--	--	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
4-Methyl-2-pentanone	--	--	--	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
Acetone	0.05	100	0.05	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
Acrylonitrile	--	--	--	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0043	U	0.25	U	0.0035	U	0.0032	U
Benzene	0.06	4.8	0.06	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
Bromobenzene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Bromochloromethane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Bromodichloromethane	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
Bromoform	--	--	--	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0043	U	0.25	U	0.0035	U	0.0032	U
Bromomethane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Carbon disulfide	--	--	--	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
Carbon tetrachloride	0.76	2.4	0.76	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Chlorobenzene	1.1	100	1.1	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
Chloroethane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Chloroform	0.37	49	0.37	0.0013	U	0.0014	U	0.0014	U	0.0017	U	0.00037	J	0.093	U	0.0013	U	0.0012	U
Chloromethane	--	--	--	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0043	U	0.25	U	0.0035	U	0.0032	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.00088	U	0.00093	U	0.00049	J	0.0012	U	0.00099	J	**1.2**		0.00086	U	0.00081	U
cis-1,3-Dichloropropene	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
Dibromochloromethane	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Dibromomethane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Dichlorodifluoromethane	--	--	--	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
Ethyl ether	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Ethylbenzene	1	41	1	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Hexachlorobutadiene	--	--	--	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0043	U	0.25	U	0.0035	U	0.0032	U
Isopropylbenzene	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Methyl tert butyl ether	0.93	100	0.93	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Methylene chloride	0.05	100	0.05	0.0044	U	0.0047	U	0.0047	U	0.0058	U	0.0053	U	0.31	U	0.0043	U	0.004	U
n-Butylbenzene	12	100	12	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0043	U	0.062	U	0.00086	U	0.00081	U
n-Propylbenzene	3.9	100	3.9	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Naphthalene	12	100	12	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0011	U	0.25	U	0.0035	U	0.0011	J
o-Chlorotoluene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
o-Xylene	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
p-Chlorotoluene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
p-Diethylbenzene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
p-Ethyltoluene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
p-Isopropyltoluene	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0021	U	0.062	U	0.00086	U	0.00081	U
p/m-Xylene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0011	U	0.12	U	0.0017	U	0.0016	U
sec-Butylbenzene	11	100	11	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Styrene	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
tert-Butylbenzene	5.9	100	5.9	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Tetrachloroethene	1.3	19	1.3	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.025	J	0.00043	U	0.0004	U
Toluene	0.7	100	0.7	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0013	U	0.0014	U	0.0014	U	0.0017	U	0.0016	U	0.014	J	0.00026	J	0.00013	J
trans-1,3-Dichloropropene	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0044	U	0.0047	U	0.0047	U	0.0058	U	0.0053	U	0.31	U	0.0043	U	0.004	U
Trichloroethene	0.47	21	0.47	0.00044	U	0.00032	J	0.00099		0.00058	U	0.0026		**4.4**		0.00043	U	0.0004	U
Trichlorofluoromethane	--	--	--	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0043	U	0.25	U	0.0035	U	0.0032	U
Vinyl acetate	--	--	--	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
Vinyl chloride	0.02	0.9	0.02	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Xylenes, Total	0.26	100	1.6	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09A		EP-10		EP-15A		EP-17A		EP-17B		EP-18		EP-22A		EP-31	
LAB SAMPLE ID				L2365609-03		L2365609-01		L2365609-04		L2365609-05		L2367513-01		L2365609-02		L2364575-01		L2362844-01	
DATE				11/3/2023		11/3/2023		11/3/2023		11/3/2023		11/14/2023		11/3/2023		10/31/2023		10/23/2023	
SAMPLE DEPTH (ft.)				6		5.5		6		6		8		5.5		8		10	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
1,4-Dioxane	0.1	13	0.1	0.026	U	0.027	U	0.029	U	0.03	U	0.027	U	0.027	U	0.028	U	0.031	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2,4,6-Trichlorophenol	--	--	--	0.1	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.12	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.19	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2,4-Dinitrophenol	--	--	--	0.84	U	0.87	U	0.92	U	0.94	U	0.86	U	0.87	U	0.89	U	1	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2-Methylnaphthalene	--	--	--	0.21	U	0.22	U	0.23	U	0.24	U	0.22	U	0.22	U	0.22	U	0.25	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2-Nitrophenol	--	--	--	0.38	U	0.39	U	0.41	U	0.42	U	0.39	U	0.39	U	0.4	U	0.45	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.25	U	0.26	U	0.28	U	0.28	U	0.26	U	0.26	U	0.27	U	0.3	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
4,6-Dinitro-o-cresol	--	--	--	0.46	U	0.47	U	0.5	U	0.51	U	0.47	U	0.47	U	0.48	U	0.54	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
4-Nitrophenol	--	--	--	0.24	U	0.25	U	0.27	U	0.28	U	0.25	U	0.25	U	0.26	U	0.29	U
Acenaphthene	20	100	98	0.14	U	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U
Acenaphthylene	100	1000	107	0.14	U	0.14	U	0.15	U	0.16	U	0.14	U	0.03	J	0.15	U	0.035	J
Acetophenone	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Anthracene	100	100	1000	0.1	U	0.11	U	0.11	U	0.12	U	0.11	U	0.059	J	0.11	U	0.12	U
Benzo(a)anthracene	1	1	1	0.026	J	0.048	J	0.084	J	0.12	U	0.11	U	0.22		0.11	U	0.12	U
Benzo(a)pyrene	1	1	22	0.14	U	0.051	J	0.1	J	0.16	U	0.14	U	0.27		0.15	U	0.17	U
Benzo(b)fluoranthene	1	1	1.7	0.029	J	0.054	J	0.12		0.12	U	0.11	U	0.28		0.11	U	0.12	U
Benzo(ghi)perylene	100	100	1000	0.14	U	0.031	J	0.06	J	0.16	U	0.14	U	0.15		0.15	U	0.17	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.1	U	0.11	U	0.037	J	0.12	U	0.11	U	0.1	J	0.11	U	0.12	U
Benzoic Acid	--	--	--	0.57	U	0.59	U	0.62	U	0.64	U	0.58	U	0.58	U	0.6	U	0.67	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Biphenyl	--	--	--	0.4	U	0.41	U	0.44	U	0.45	U	0.41	U	0.41	U	0.42	U	0.47	U
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.2	U	0.21	U	0.21	U	0.19	U	0.2	U	0.2	U	0.22	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.19	U
Bis(2-chloroisopropyl)ether	--	--	--	0.21	U	0.22	U	0.23	U	0.24	U	0.22	U	0.22	U	0.22	U	0.25	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Carbazole	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.02	J	0.19	U	0.21	U
Chrysene	1	3.9	1	0.022	J	0.045	J	0.082	J	0.12	U	0.11	U	0.28		0.11	U	0.12	U
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.11	U	0.18	U	0.19	U	0.21	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.1	U	0.11	U	0.11	U	0.12	U	0.18	U	0.033	J	0.11	U	0.12	U
Dibenzofuran	7	59	210	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Fluoranthene	100	100	1000	0.042	J	0.086	J	0.15		0.12	U	0.11	U	0.39		0.11	U	0.12	U
Fluorene	30	100	386	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Hexachlorobenzene	0.33	1.2	3.2	0.1	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.12	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Hexachlorocyclopentadiene	--	--	--	0.5	U	0.52	U	0.55	U	0.56	U	0.51	U	0.52	U	0.53	U	0.59	U
Hexachloroethane	--	--	--	0.14	U	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.14	U	0.032	J	0.062	J	0.16	U	0.14	U	0.15		0.15	U	0.17	U
Isophorone	--	--	--	0.16	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.19	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Naphthalene	12	100	12	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
NDPA/DPA	--	--	--	0.14	U	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U
Nitrobenzene	--	--	--	0.16	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.19	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Pentachlorophenol	0.8	6.7	0.8	0.14	U	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U
Phenanthrene	100	100	1000	0.023	J	0.067	J	0.097	J	0.12	U	0.11	U	0.22		0.11	U	0.12	U
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Pyrene	100	100	1000	0.043	J	0.09	J	0.15		0.12	U	0.11	U	0.42		0.11	U	0.12	U

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 3 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09A		EP-10		EP-15A		EP-17A		EP-17B		EP-18		EP-22A		EP-31	
LAB SAMPLE ID				L2365609-03		L2365609-01		L2365609-04		L2365609-05		L2367513-01		L2365609-02		L2364575-01		L2362844-01	
DATE				11/3/2023		11/3/2023		11/3/2023		11/3/2023		11/14/2023		11/3/2023		10/31/2023		10/23/2023	
SAMPLE DEPTH (ft.)				6		5.5		6		6		8		5.5		8		10	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	5950		5470		6970		6430		6040		7270		5460		4170	
Antimony, Total	--	--	--	4.08	U	4.34	U	4.68	U	4.71	U	4.3	U	4.22	U	4.55	U	26	
Arsenic, Total	13	16	16	1.52		1.73		4.76		1.26		1.17		4.65		1.2		0.962	J
Barium, Total	350	400	820	25.2		28		78.4		26.5		23.6		61.9		23.7		15.7	
Beryllium, Total	7.2	72	47	0.319	J	0.296	J	0.369	J	0.34	J	0.264	J	0.412	J	0.312	J	0.215	J
Cadmium, Total	2.5	4.3	7.5	0.817	U	0.867	U	0.937	U	0.942	U	0.86	U	0.844	U	0.91	U	0.97	U
Calcium, Total	--	--	--	1800		1430		3030		574		458		4620		574		395	
Chromium, Total*	1	180	--	8.14		11.8		11.7		8.49		8.16		13.3		8.45		6.59	
Colbalt, Total	--	--	--	3.38		4.03		3.7		3.28		4.54		3.1		3.68		2.68	
Copper, Total	50	270	1720	7.11		9.62		23.1		5.83		5.7		10.7		7.15		5.41	
Iron, Total	--	--	--	9080		9310		9980		9490		8380		9310		9780		7140	
Lead, Total	63	400	450	9.07		13.3		54.2		4.67		3.72	J	46.5		4.85		4.66	J
Magnesium, Total	--	--	--	2400		2160		1840		1680		1460		1650		1930		1360	
Manganese, Total	1600	2000	2000	292		296		386		308		434		457		333		161	
Mercury, Total	0.18	0.81	0.73	0.079	U	0.082	U	0.081	J	0.078	U	0.076	U	0.081		0.084	U	0.081	U
Nickel, Total	30	310	130	7.57		12.7		8.72		7.96		7.93		7.72		8.07		6.02	
Potassium, Total	--	--	--	579		604		552		575		442		460		702		470	
Selenium, Total	3.9	180	4	1.63	U	1.73	U	1.87	U	1.88	U	1.72	U	1.69	U	1.82	U	1.94	U
Silver, Total	2	180	8.3	0.408	U	0.434	U	0.468	U	0.471	U	0.43	U	0.422	U	0.455	U	0.485	U
Sodium, Total	--	--	--	81.9	J	120	J	98.3	J	116	J	47.3	J	325		63.4	J	96	J
Thallium, Total	--	--	--	1.63	U	0.455	J	0.396	J	0.41	J	1.72	U	0.503	J	0.405	J	0.372	J
Vanadium, Total	--	--	--	10.9		13.2		15.5		11.1		9.5		12.5		11.1		8.05	
Zinc, Total	109	10000	2480	19.4		26		56.4		15.3		14		72.7		17.7		12	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09A		EP-10		EP-15A		EP-17A		EP-17B		EP-18		EP-22A		EP-31	
LAB SAMPLE ID				L2365609-03		L2365609-01		L2365609-04		L2365609-05		L2367513-01		L2365609-02		L2364575-01		L2362844-01	
DATE				11/3/2023		11/3/2023		11/3/2023		11/3/2023		11/14/2023		11/3/2023		10/31/2023		10/23/2023	
SAMPLE DEPTH (ft.)				6		5.5		6		6		8		5.5		8		10	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
4,4'-DDE	0.0033	8.9	17	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
4,4'-DDT	0.0033	7.9	136	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Aldrin	0.005	0.097	0.19	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Alpha-BHC	0.02	0.48	0.02	0.000709	U	0.000716	U	0.000744	U	0.000772	U	0.000728	U	0.000705	U	0.000755	U	0.000792	U
Beta-BHC	0.036	0.36	0.09	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Chlordane	--	--	--	0.0142	U	0.0143	U	0.0149	U	0.0154	U	0.0146	U	0.0141	U	0.0151	U	0.0158	U
cis-Chlordane	0.094	4.2	2.9	0.00212	U	0.00215	U	0.00223	U	0.00232	U	0.00218	U	0.00212	U	0.00226	U	0.00238	U
Delta-BHC	0.04	100	0.25	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Dieldrin	0.005	0.2	0.1	0.00106	U	0.00107	U	0.00112	U	0.00116	U	0.00109	U	0.00106	U	0.00113	U	0.00119	U
Endosulfan I	2.4	24	102	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Endosulfan II	2.4	24	102	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Endosulfan sulfate	2.4	24	1000	0.000709	U	0.000716	U	0.000744	U	0.000772	U	0.000728	U	0.000705	U	0.000755	U	0.000792	U
Endrin	0.014	11	0.06	0.000709	U	0.000716	U	0.000744	U	0.000772	U	0.000728	U	0.000705	U	0.000755	U	0.000792	U
Endrin aldehyde	--	--	--	0.00212	U	0.00215	U	0.00223	U	0.00232	U	0.00218	U	0.00212	U	0.00226	U	0.00238	U
Endrin ketone	--	--	--	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Heptachlor	0.042	2.1	0.38	0.00085	U	0.000859	U	0.000893	U	0.000927	U	0.000874	U	0.000846	U	0.000906	U	0.00095	U
Heptachlor epoxide	--	--	--	0.00319	U	0.00322	U	0.00335	U	0.00348	U	0.00328	U	0.00317	U	0.0034	U	0.00356	U
Lindane	0.1	1.3	0.1	0.000709	U	0.000716	U	0.000744	U	0.000772	U	0.000728	U	0.000705	U	0.000755	U	0.000792	U
Methoxychlor	--	--	--	0.00319	U	0.00322	U	0.00335	U	0.00348	U	0.00328	U	0.00317	U	0.0034	U	0.00356	U
Toxaphene	--	--	--	0.0319	U	0.0322	U	0.0335	U	0.0348	U	0.0328	U	0.0317	U	0.034	U	0.0356	U
trans-Chlordane	--	--	--	0.00212	U	0.00215	U	0.00223	U	0.00232	U	0.00218	U	0.00212	U	0.00226	U	0.00238	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1221	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1232	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1242	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1254	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0212	J	0.0582	U
Aroclor 1260	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1262	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1268	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
PCBs, Total	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0212	J	0.0582	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

U: Not detected at the reported detection limit for the sample.

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT C

PROJECT SCHEDULE

DeMatteis Builders
THE DEMATTEIS ORGANIZATIONS

2-Week Look Ahead

Contractor		27-Nov M	28-Nov T	29-Nov W	30-Nov Th	1-Dec F	2-Dec Sat	3-Dec Sun	4-Dec M	5-Dec T	6-Dec W	7-Dec Th	8-Dec F	9-Dec Sat	10-Dec Sun	COMMENTS
DeMatteis	Jobsite safety compliance and supervision															
	Cleaning debris and rubbish from jobsite perimeter															
	Setting up/Breaking down temp water manifold on Gerard															
	Refueling temp generator for site power															
J&A	Dewatering groundwater for foundation installations															
	Excavating out lower portion of Mat A, installing stone and forms															
	Pouring Mat A lower area															
	Pouring Mat A upper area															
	Forming front side of R and 6 line walls															
	Pouring R/6 line wall															
	Forming backside of 1 line wall J to L															
	Forming front side of 1 line wall L to J															
	Backfilling behind 1 line wall up to Con-Ed vault mat base															
	Forming the Con Ed vault mat															
	Prepping the back side of Q line wall for waterproofing															
	Prepping the back side of the R line wall for waterproofing															
	Formwork & Stone for pile caps adjacent to Mat A															
	Pouring pile caps adjacent to Mat A															
	Shifting entrance ramp to site															
	Filling remaining piles adjacent to Mat A															
Tonnage	Rebar installation on R to 6 line walls															
	Rebar installation on lower Mat A area															
	Rebar installation on upper Mat A area															
	Rebar installation on 1 line wall J to L															
	Rebar install for Con-Ed Mat															
	Rebar for pile caps adjacent to Mat A															
Crown Waterproofing	Waterproofing upper Mat A area															
	Waterproofing lower Mat A area															
	Waterproofing 1 line wall															
	Waterproofing Q line wall															
	Waterproofing pile caps adjacent to Mat A															
Inspections	CAMP Inspections during excavation work (GZA)															
	Waterproofing monitoring as needed (MRCE)															
	SOE monitoring movement (MRCE)															
	Pile Concrete Inspection (AEL, MRCE)															
	Caps, walls, and footing Rebar & Concrete inspections (AEL, LERA)															
	Subgrade inspections															

THE DEMATTEIS ORGANIZATIONS

2-Week Look Ahead

Contractor		4-Dec M	5-Dec T	6-Dec W	7-Dec Th	8-Dec F	9-Dec Sat	10-Dec Sun	11-Dec M	12-Dec T	13-Dec W	14-Dec Th	15-Dec F	16-Dec Sat	17-Dec Sun	COMMENTS
DeMatteis	Jobsite safety compliance and supervision															
	Cleaning debris and rubbish from jobsite perimeter															
	Setting up/Breaking down temp water manifold on Gerard															
	Refueling temp generator for site power															
J&A	Dewatering groundwater for foundation installations															
	Form work for upper Mat A area															
	Backfilling lower Mat A area															
	Setting bearing plates and anchor bolts															
	Pouring upper Mat A area															
	Closing up front of 1 line wall between J and K															
	Pouring 1 line wall between J and K															
	Excavating pile caps, setting stone and forms around Mat A															
	Pouring pile caps around Mat A - 3/3.5:J/K															
	Shifting ramp off of 5 line pile caps between L and M															
	Excavating pile caps, setting stone and forms for 5:L/M, M:3/3.5															
	Pouring remaining pile caps on 5 line and M line															
	Packing up Doka forms and removing from site															
	Cleaning footings and walls and parging foundation walls															
	Forming wall footings and pile caps on 6 line from M to K															
Tonnage	Rebar install for Mat A upper area															
	Rebar install for 1 line wall															
	Rebar install for pile caps adjacent to Mat A															
	Rebar install for 5 and M line caps															
	Rebar for 6 line footings and caps															
Crown Waterproofing	Waterproofing exterior foundation walls															
	Waterproofing upper level of Mat A															
	Waterproofing pile caps around Mat A															
	Waterproofing 5 and M line caps															
	Waterproofing 6 line wall footings and caps K to M															
Hellman Electric	Temp electric shed additional switch installation															
Inspections	CAMP Inspections during excavation work (GZA)															
	Waterproofing monitoring as needed (MRCE)															
	SOE monitoring movement (MRCE)															
	Pile Concrete Inspection (AEL, MRCE)															
	Caps, walls, and footing Rebar & Concrete inspections (AEL, LERA)															
	Subgrade inspections															

GZA GeoEnvironmental of New York

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	80.43 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	61.57°F
		MAX WIND SPEED	16 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, July 24, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
SITE VISITORS:	**GZA**	
	Reinbill Maniquez	

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 7/24/2023

Work Location: Grid A1, A2,C1, D1, D2, D3, and D4

1. J&A Concrete continued installing soldier piles in C1, D,1, D2 and D3.
2. J&A Concrete excavated the soil berm in A1, A2, D2, and D4 for installation of soldier piles.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- John Deere 330CLC Excavator

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 53 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 61 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

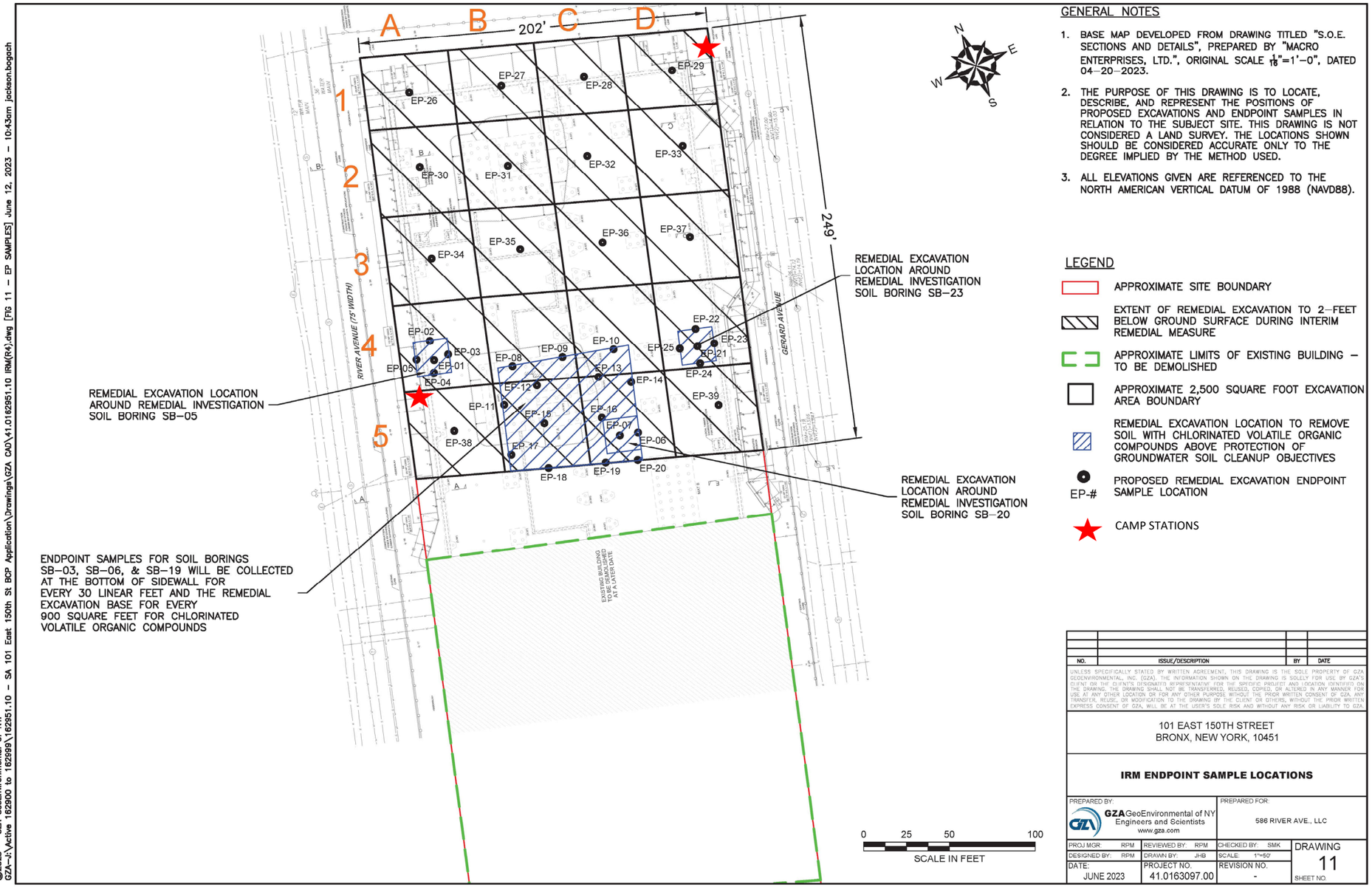
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northwest
Description: Installation of soldier piles at grids D-2 and D-3.		**Description:** Excavation of the soil berm for installation of soldier piles at grids C-1 and D-1.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No.** 4	**Direction Photo Taken** East
Description: Downwind CAMP station northeast corner of the Site.		**Description:** Upwind CAMP station at the southwest corner of the Site.	

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 24, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1	PID 1	SN:592-602879
	Data Ram 1	SN:5202136003
Station 2		
Hand Held	PID Model 580	SN: 592-602879
	SidePak	SN: 5202136003

Pre-Calibration/Standardization:

PIDs:	**Zero**		**Gas - 100 ppm**	
1	☒ YES	☐ NO	☒ YES	☐ NO
2	☒ YES	☐ NO	☒ YES	☐ NO
Hand Held	☒ YES	☐ NO	☒ YES	☐ NO

Repair Needed:

Data Rams:	**Zero**		**Gas - 100 ppm**	
1	☒ YES	☐ NO		
2	☒ YES	☐ NO		
Hand Held	☒ YES	☐ NO	☒ YES	☐ NO

Post-Shift Download:

PIDs:	Instrument:			Results/Comments:
1	☒ Data	☒ Avg	☐ Summary	
2	☒ Data	☒ Avg	☐ Summary	

Data Rams:

1	☒ Data	
2	☒ Data	

Weather Station: ☐ YES

Background Readings:

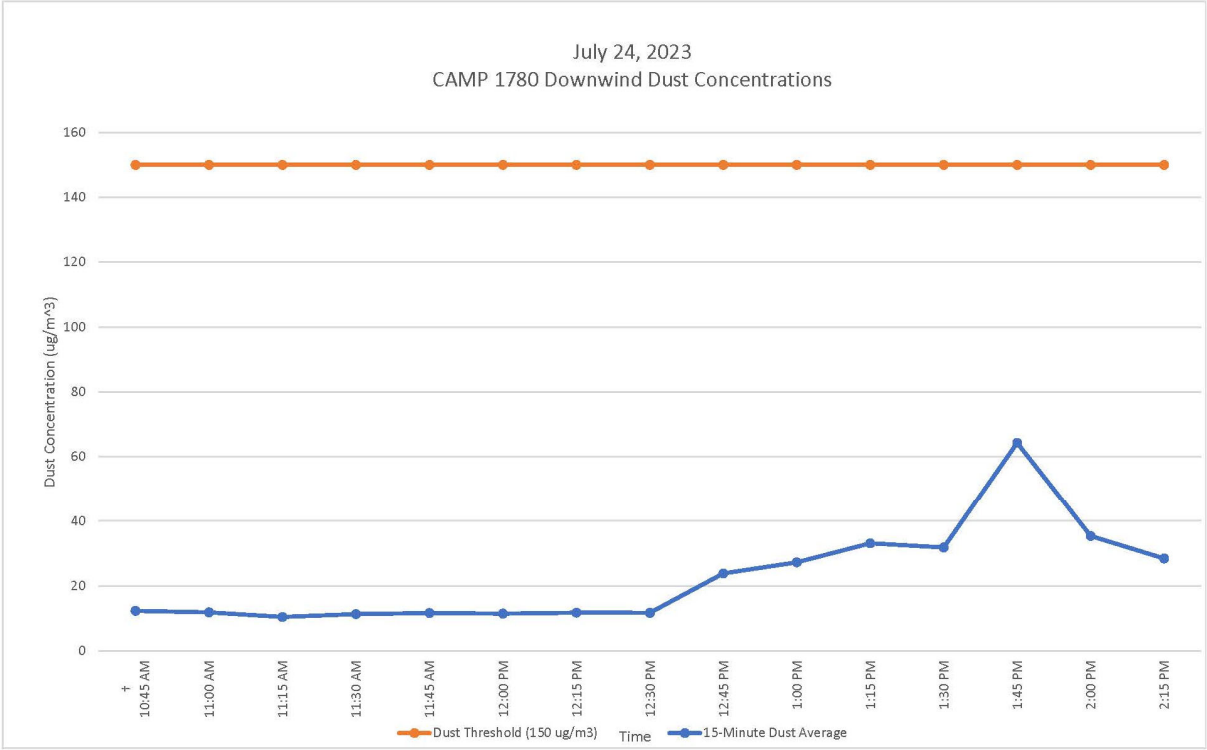
PID 1: 0.0
PID 2:

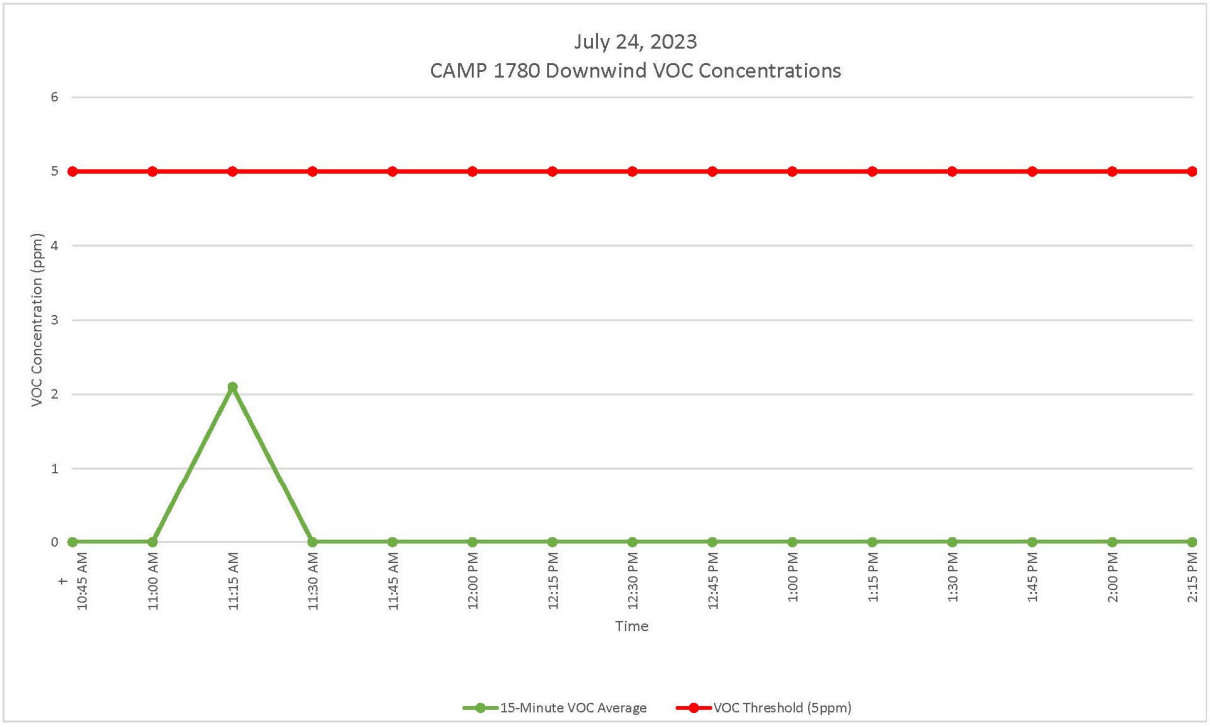
Data Ram 1: 24.0
Data Ram 2:

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023

FILE NO: 41.0163097.00

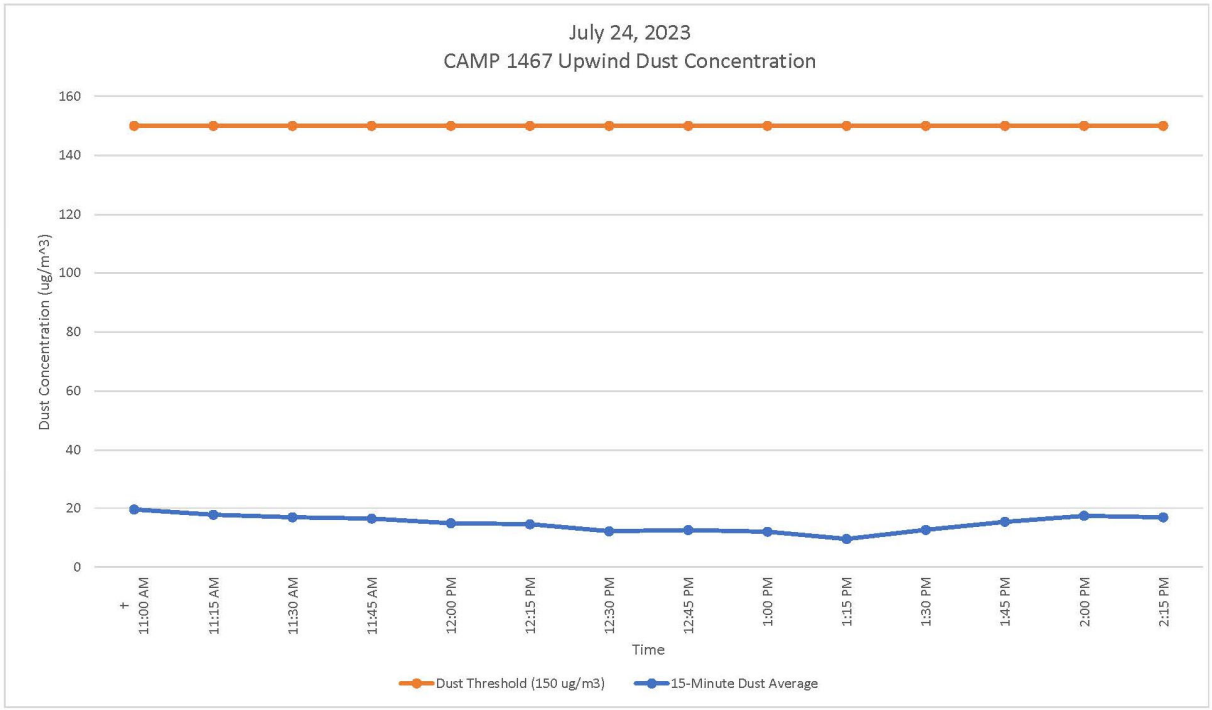


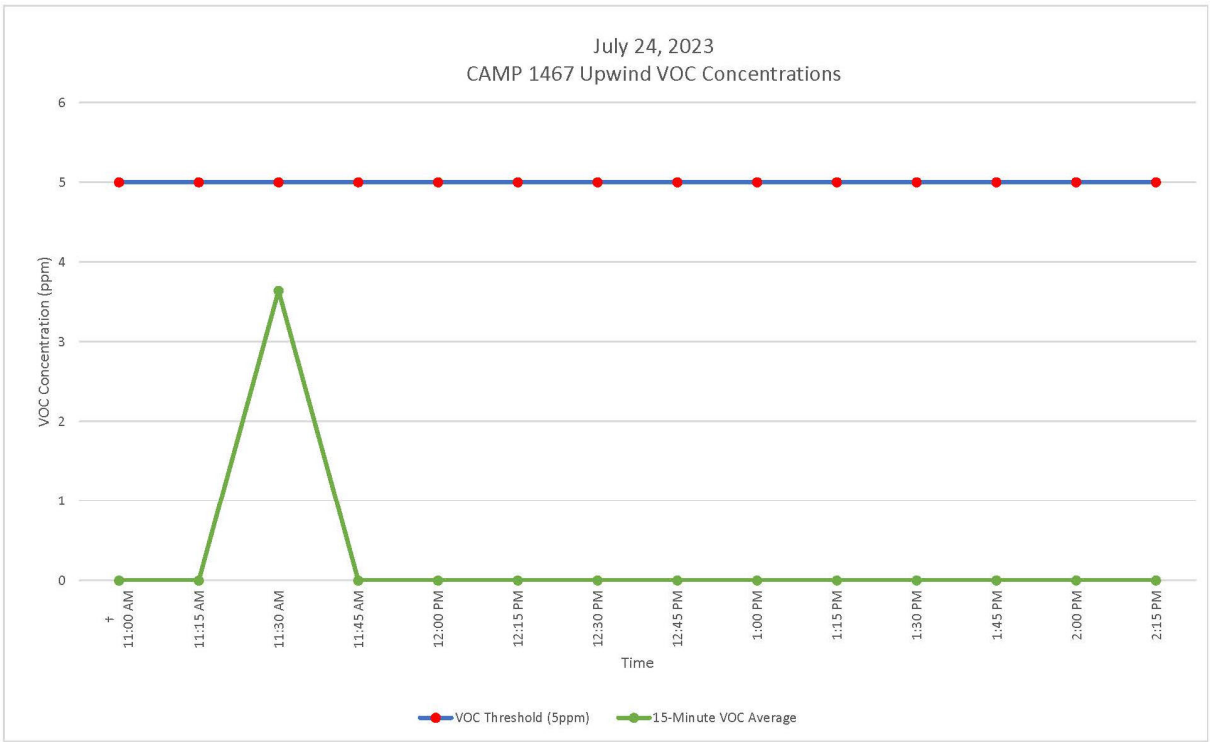


GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	79.37 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	65.68°F
		MAX WIND SPEED	23 mph from W
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, July 25, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
SITE VISITORS:	**Success Academy**	
	Richard Gladstone	

GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 7/25/2023

Work Location: Grid A1, A2, A3, A4, D1, D2, and D4

1. J&A Concrete continued installing soldier piles at grids A1, A2, D2, and D4.
2. J&A Concrete excavated the soil berm at grids A2, A3, and A4 for installation of soldier piles.
3. Minor backfilling around soldier piles installed at grids D1 and D2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- John Deere 330CLC Excavator

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 78.12 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 55.89 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

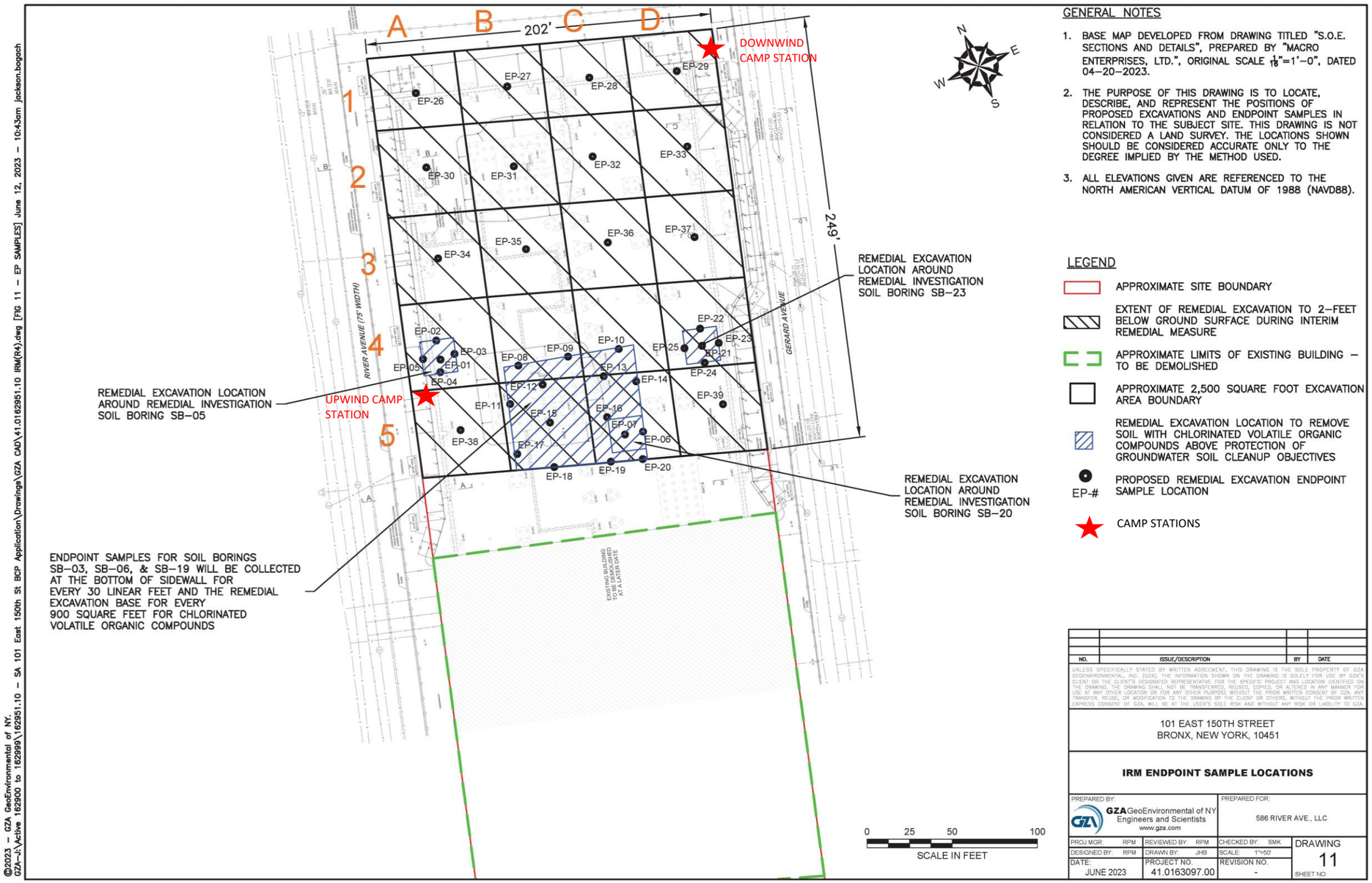
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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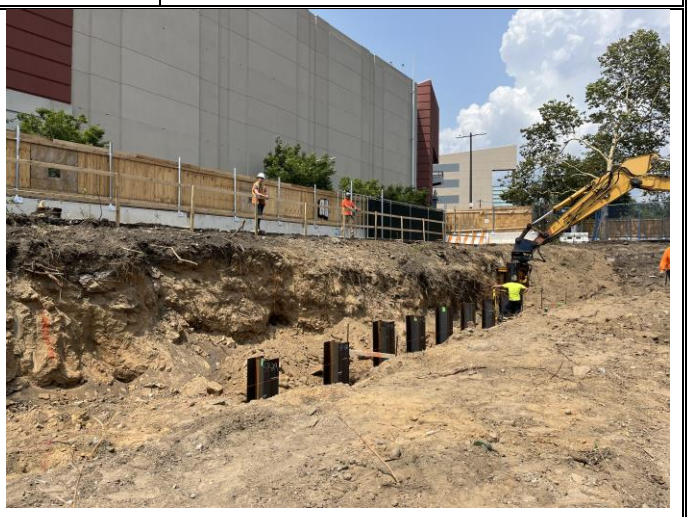
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** North
			
Description: Excavation of the soil berm for installation of soldier piles at grids A-2, A-3, and A-4.		**Description:** Installation of soldier piles at grids A-2 and A-3.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** North
Description: Work in D-1 and D-2; also shown Downwind CAMP station at northeast corner of the Site.		**Description:** Upwind CAMP station at the southwest corner of the Site.	

GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 25, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:
1 ☒ Data
2 ☒ Data

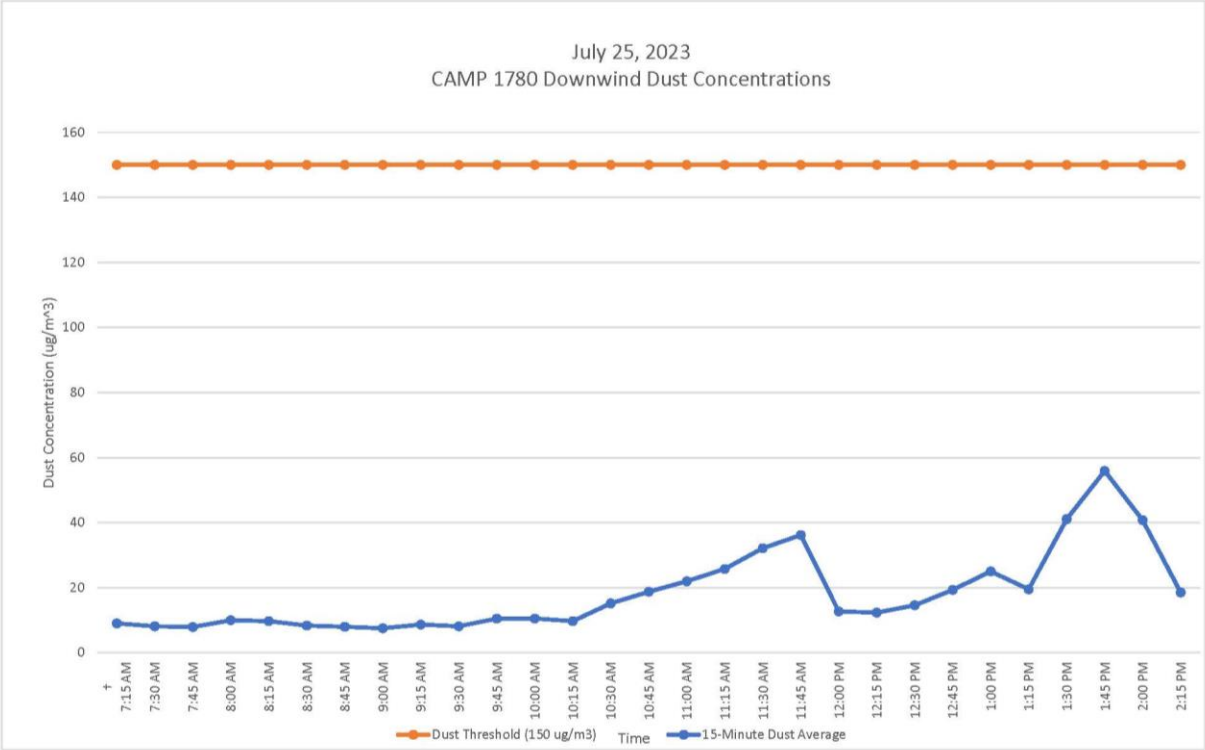
Weather Station: ☐ YES

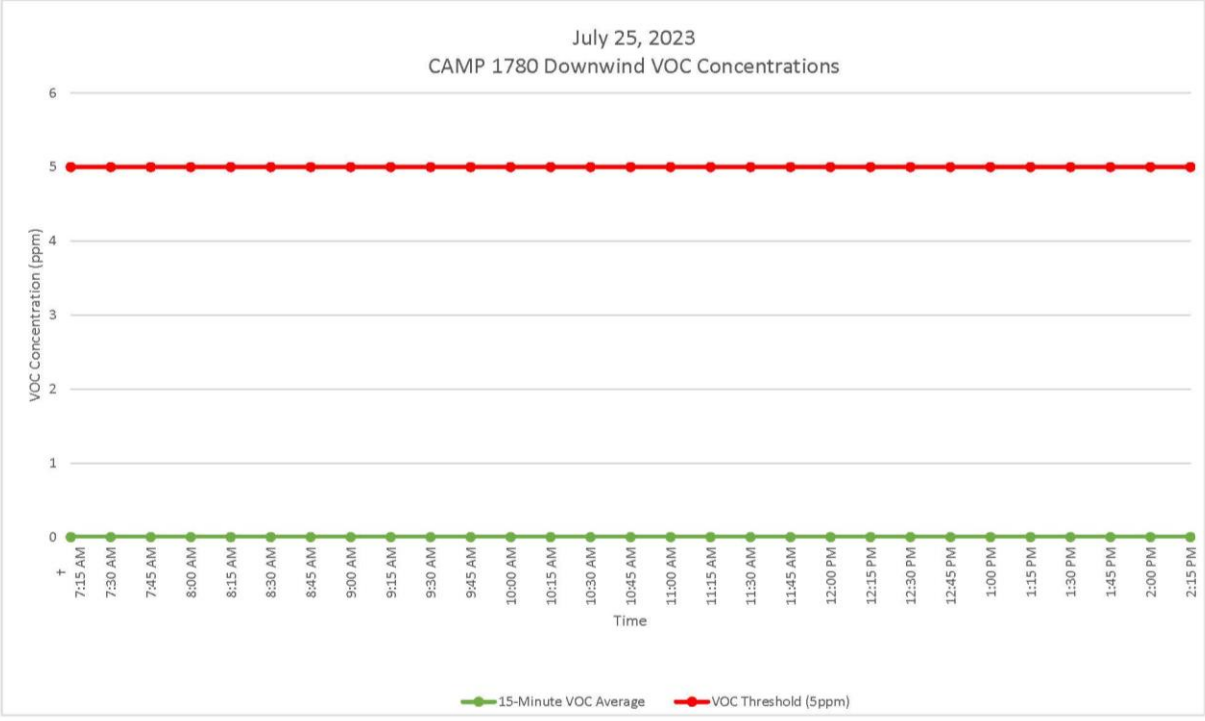
Background Readings:
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 9.02
Data Ram 2: 78.12

GZA DAILY FIELD SUMMARY 2

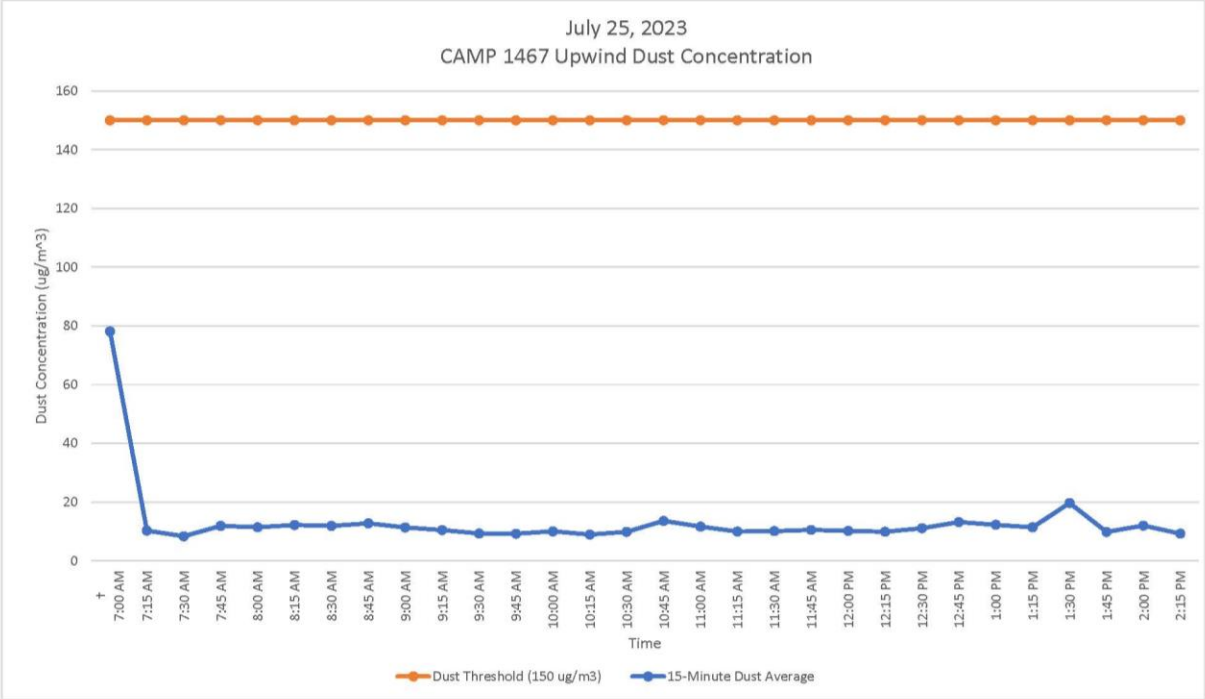
DATE: 7/25/2023
FILE NO: 41.0163097.00

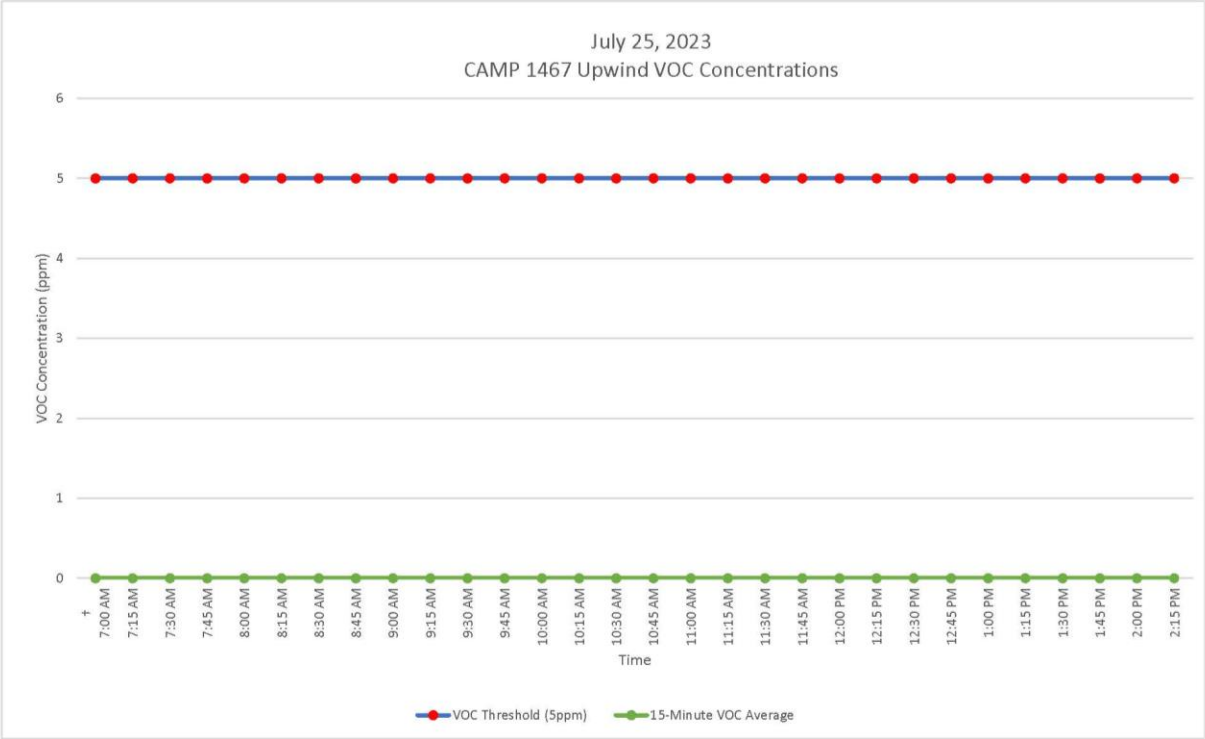




GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	78.65 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	64.23°F
		MAX WIND SPEED	17 mph from SW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.33 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, July 26, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 7/26/2023

Work Location: Grid A1, A2, A3, A4, and D5

1. J&A Concrete continued installing soldier piles at grids A1, A2, A3, A4, and D5.
2. J&A Concrete excavated the soil berm at grid D5 for installation of soldier piles.
3. Minor backfilling around soldier piles installed at grids A2, A3, and D5.
4. Soil Solutions moved pile load test materials offsite.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- John Deere 330CLC Excavator

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 25.35 ug/m^3
High Conditions – PID: 0.04 ppm, Particulates: 32.45 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

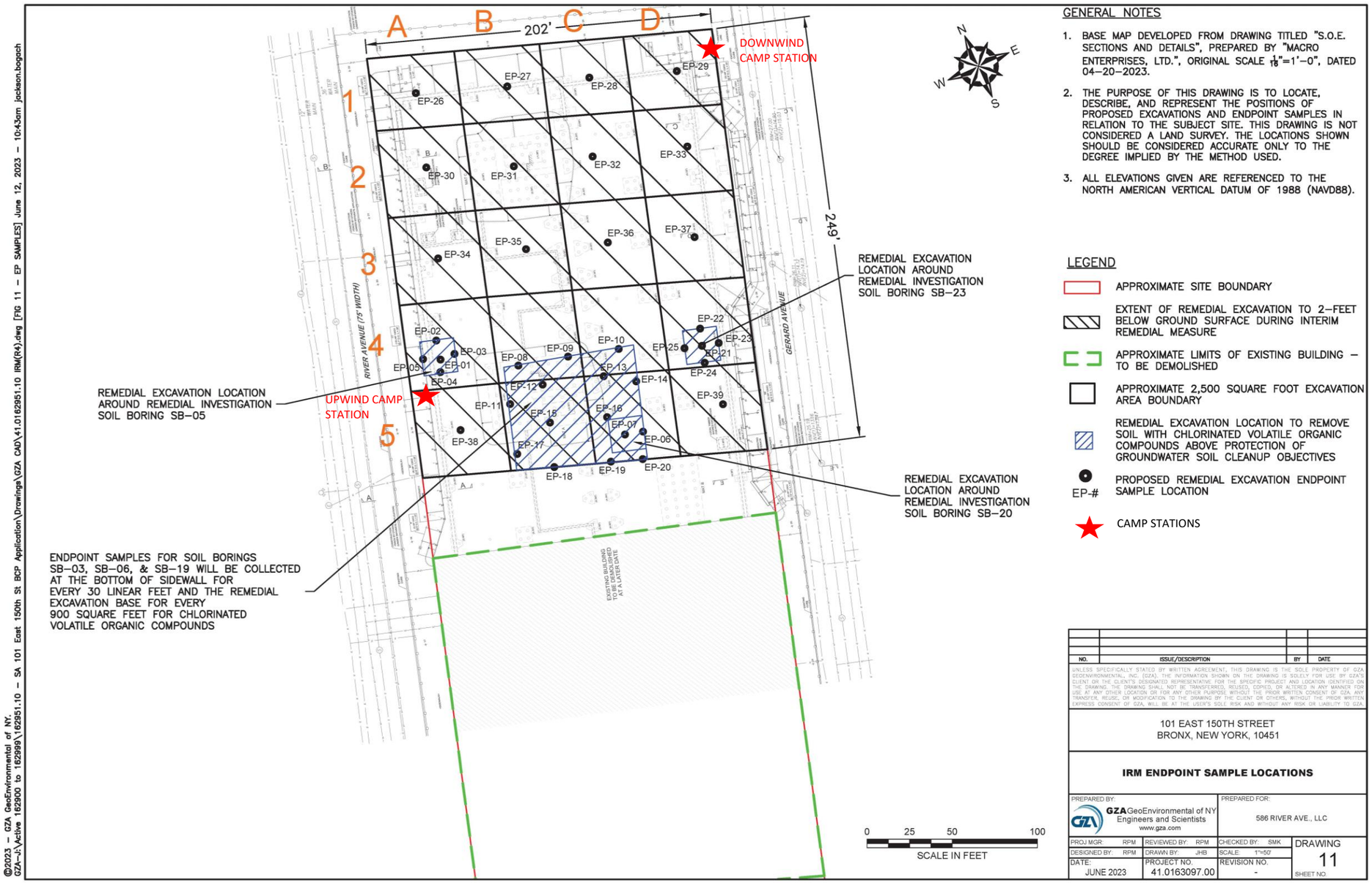
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT, OR THE CLIENT'S DESIGNATED REPRESENTATIVE, FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Installation of soldier piles at grids A-2 and A-3.		**Description:** Excavation of the soil berm for installation of soldier piles at grid D5.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** North
Description: Work in A-1; also shown Downwind CAMP station at northeast corner of the Site.		**Description:** Upwind CAMP station at the southwest corner of the Site.	

GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 26, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held: PID Model 580 SN: 592-602879; SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**	
1	☐ YES	☒ NO	1 ☐ YES	☒ NO
2	☐ YES	☒ NO	2 ☐ YES	☒ NO
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO
2	☐ YES	☒ NO
Hand Held	☒ YES	☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1	☒ Data	☒ Avg	☐ Summary	
2	☒ Data	☒ Avg	☐ Summary	

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

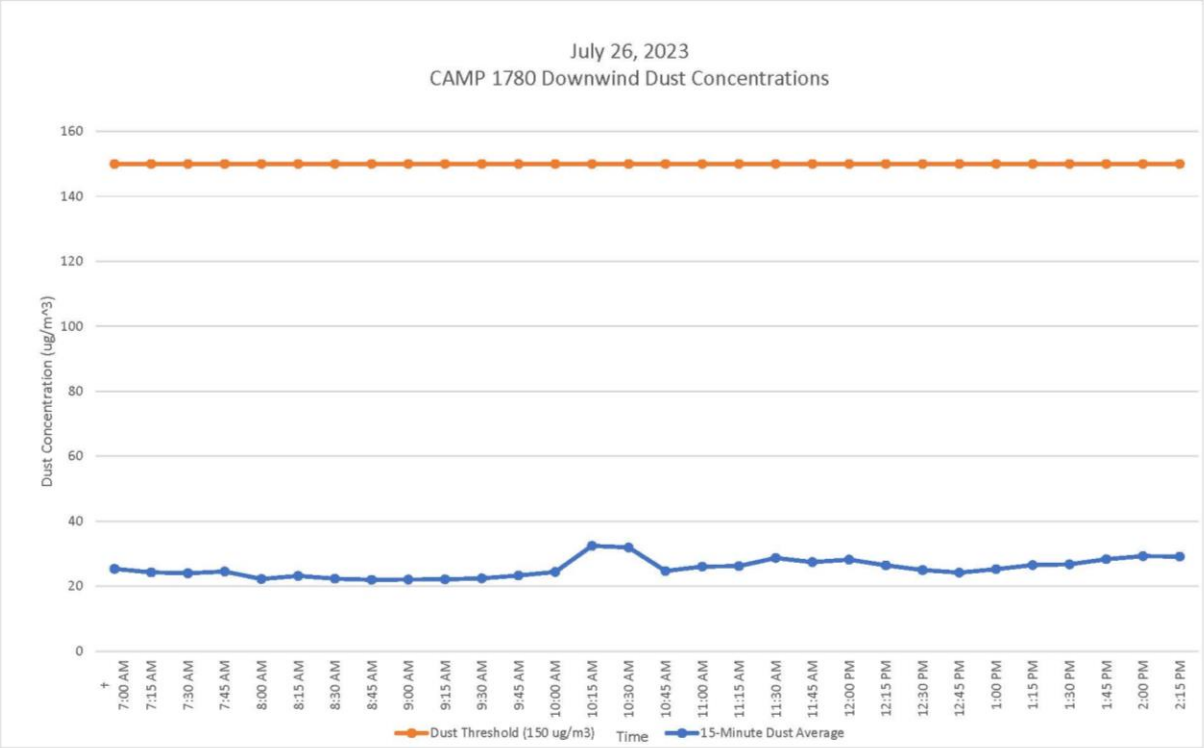
Background Readings:

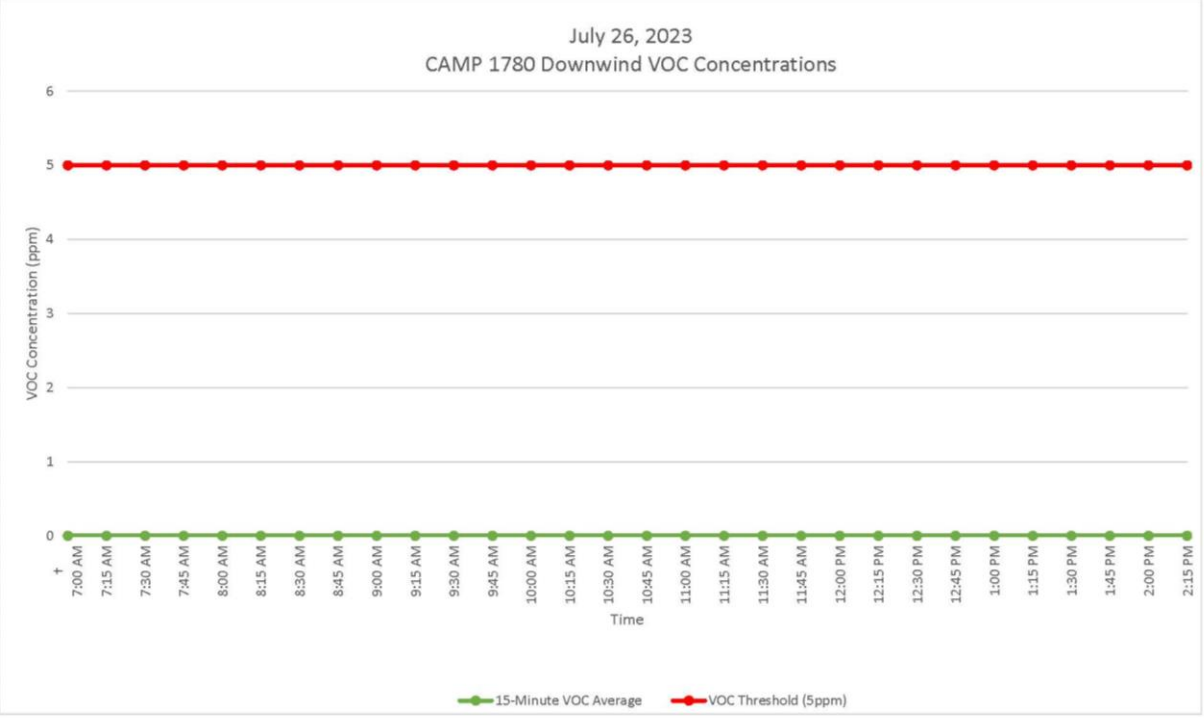
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 25.35
Data Ram 2: 22.84

GZA DAILY FIELD SUMMARY 3

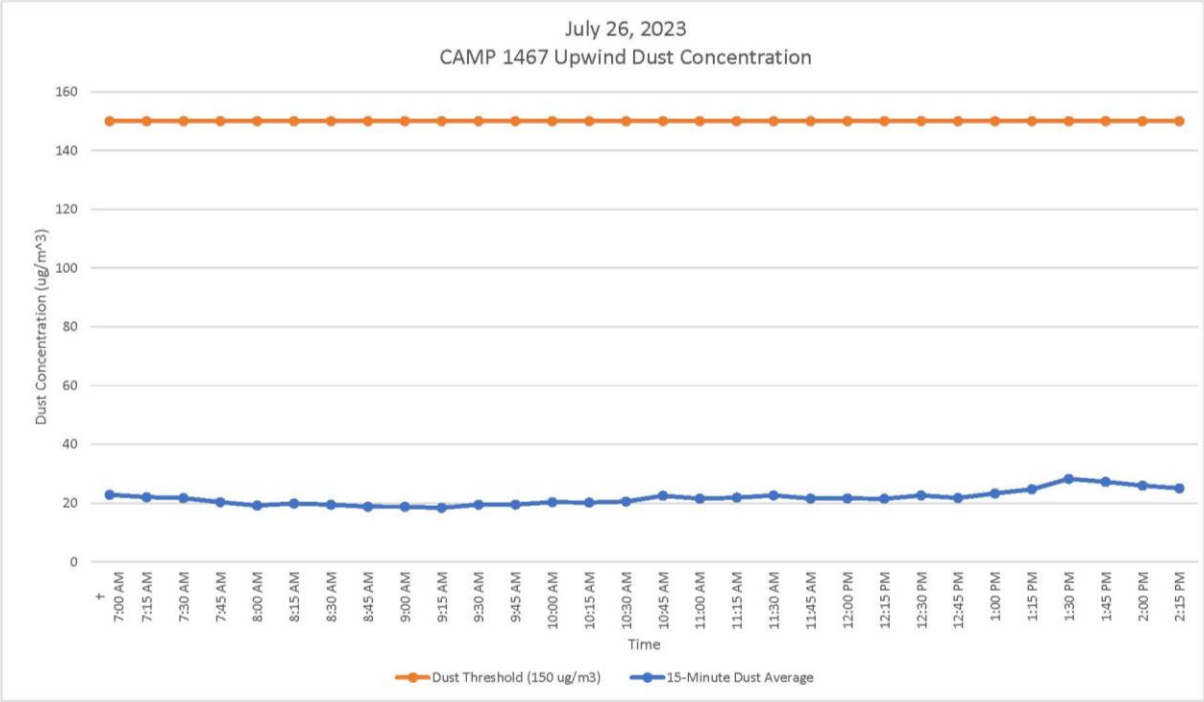
DATE: 7/26/2023
FILE NO: 41.0163097.00

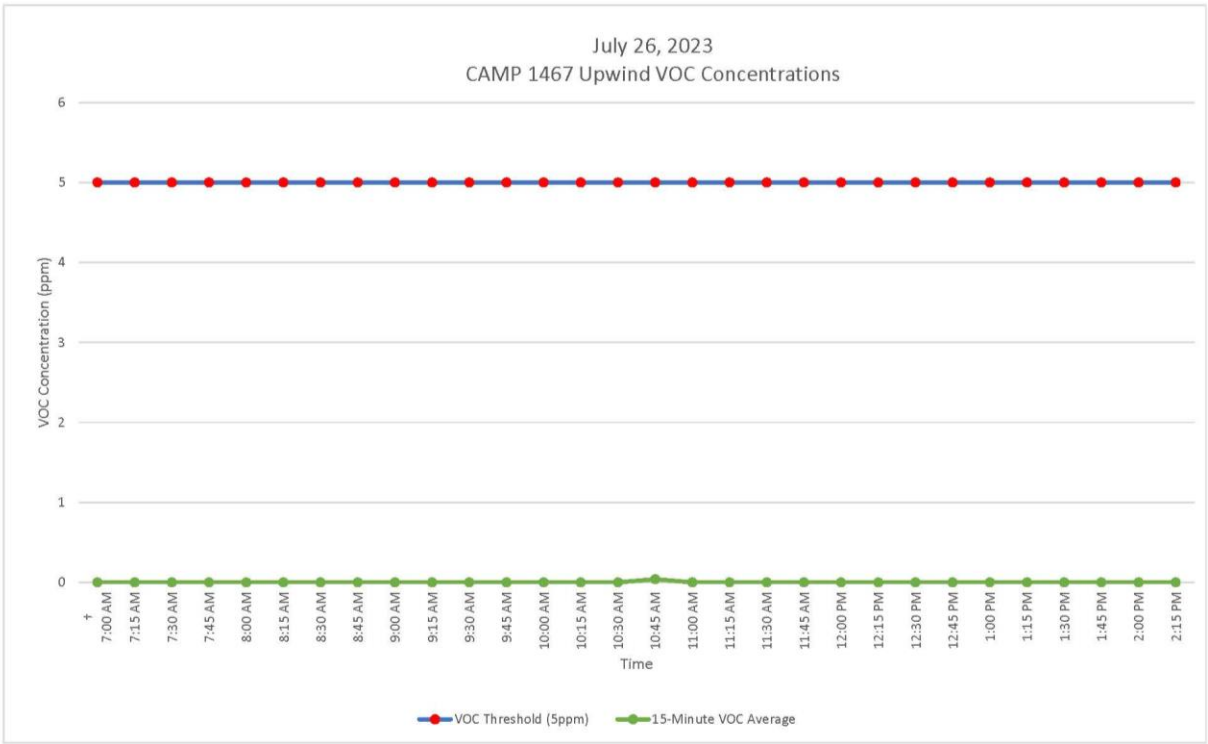




GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	83.53 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	70.37°F
		MAX WIND SPEED	20 mph from SW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, July 27, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 7/27/2023

Work Location: Grid A1, A2, A4, and A5

1. J&A Concrete demolished parts of an old foundation wall and excavated the soil berm at grids A4 and A5 to prepare for installation of soldier piles. Excavated soil was stockpiled on the eastern side of A4 and A5 and was covered at the end of the day.
2. J&A Concrete excavated in between soldier piles in grids A1 and A2 to install lagging lumber as part of the support of excavation (SOE). Excavated soil was stockpiled on the eastern side of A1 and A2 and was covered at the end of the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 186.89 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 60.49 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

The one exceedance detected during this monitoring period was at upwind station at prestart condition, not a 15-minute time weighted average. It was not indicative of site conditions and occurred during system warmup. PM10 dropped to below threshold levels immediately after start-up. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

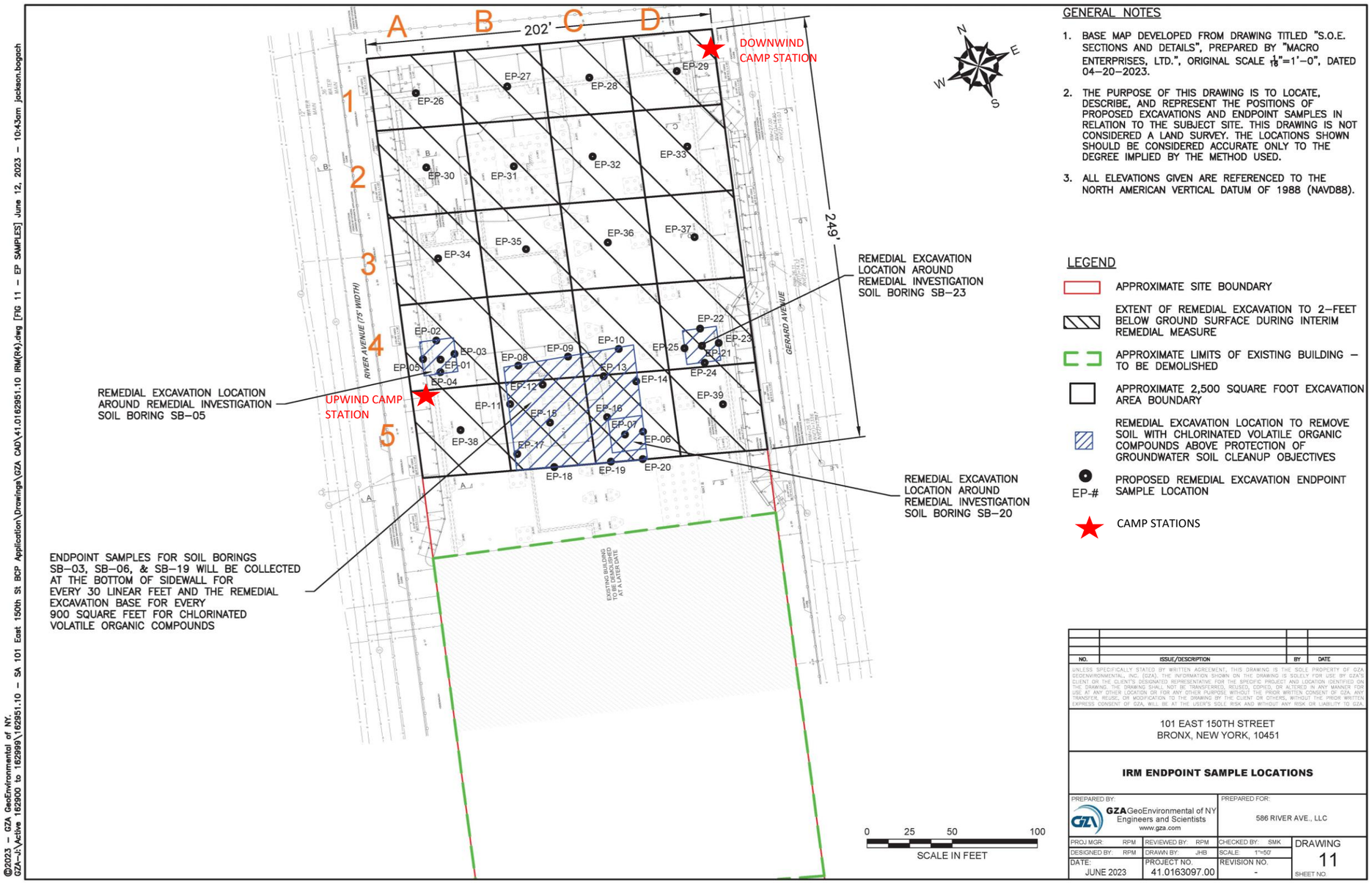
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK		DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'		SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -		

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Demolition of parts of old foundation wall at grid A-5.		**Description:** Excavation of the soil berm for installation of soldier piles at grids A-4 and A-5; also shown Upwind CAMP station at the southwest corner of the Site.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** South
Description: Installation of lagging wall at grids A-1 and A-2.		**Description:** Downwind CAMP station at the northeast corner of the Site.	

GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

Photo No. 5	Direction Photo Taken: Northeast	Photo No. 6	Direction Photo Taken Southeast
Description: The soil stockpile in grids A-1 and A-2 covered at the end of the day.		**Description** The soil stockpile in grids A-4 and A-5 covered at the end of the day.	

GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 27, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

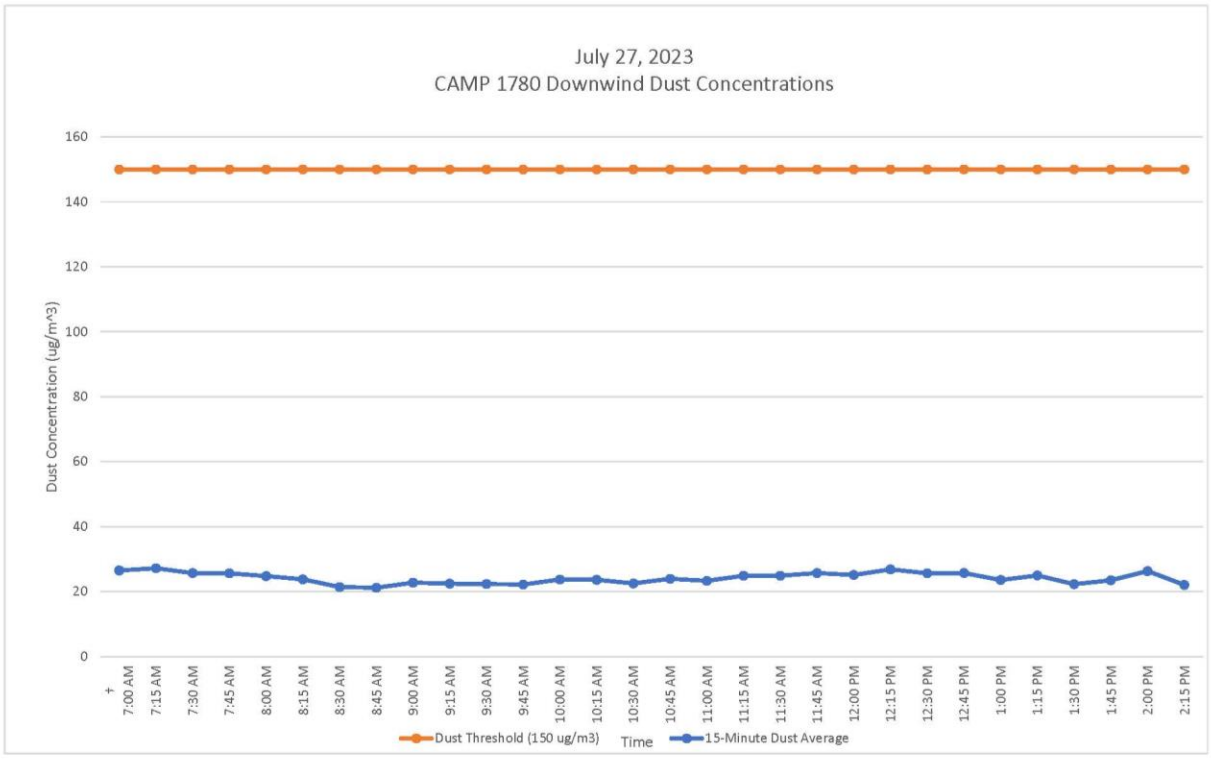
Background Readings:

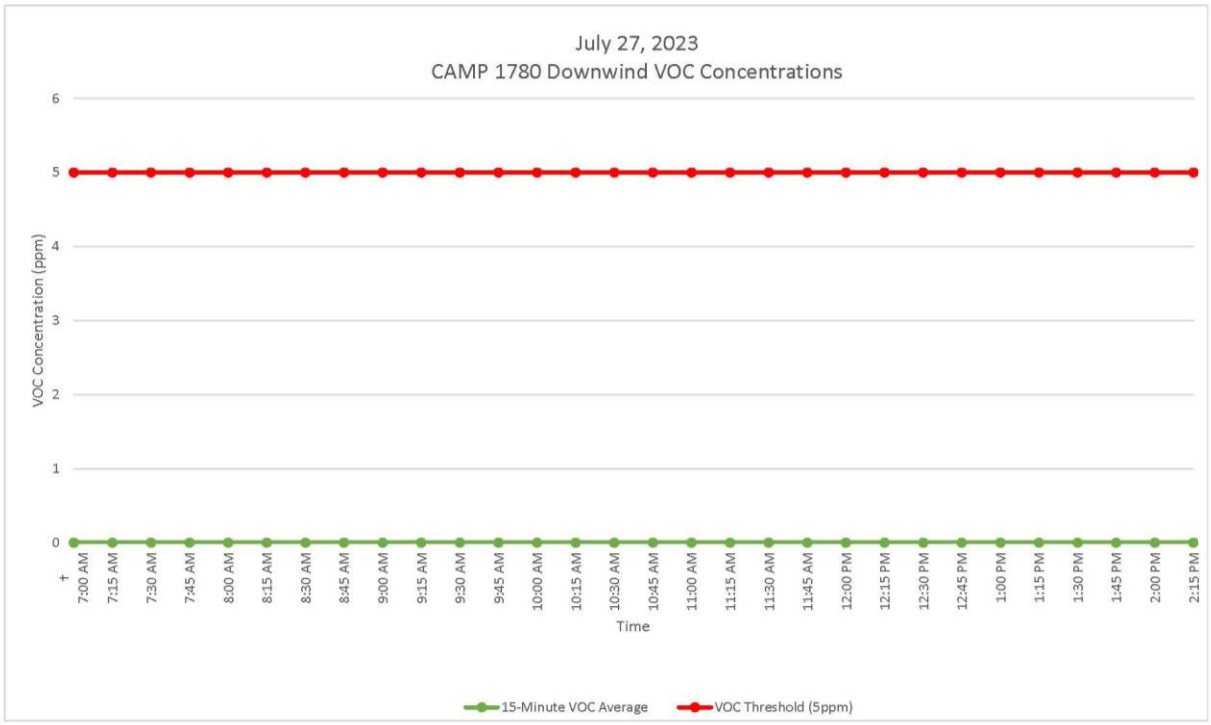
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 26.50
Data Ram 2: 186.89

GZA DAILY FIELD SUMMARY 4

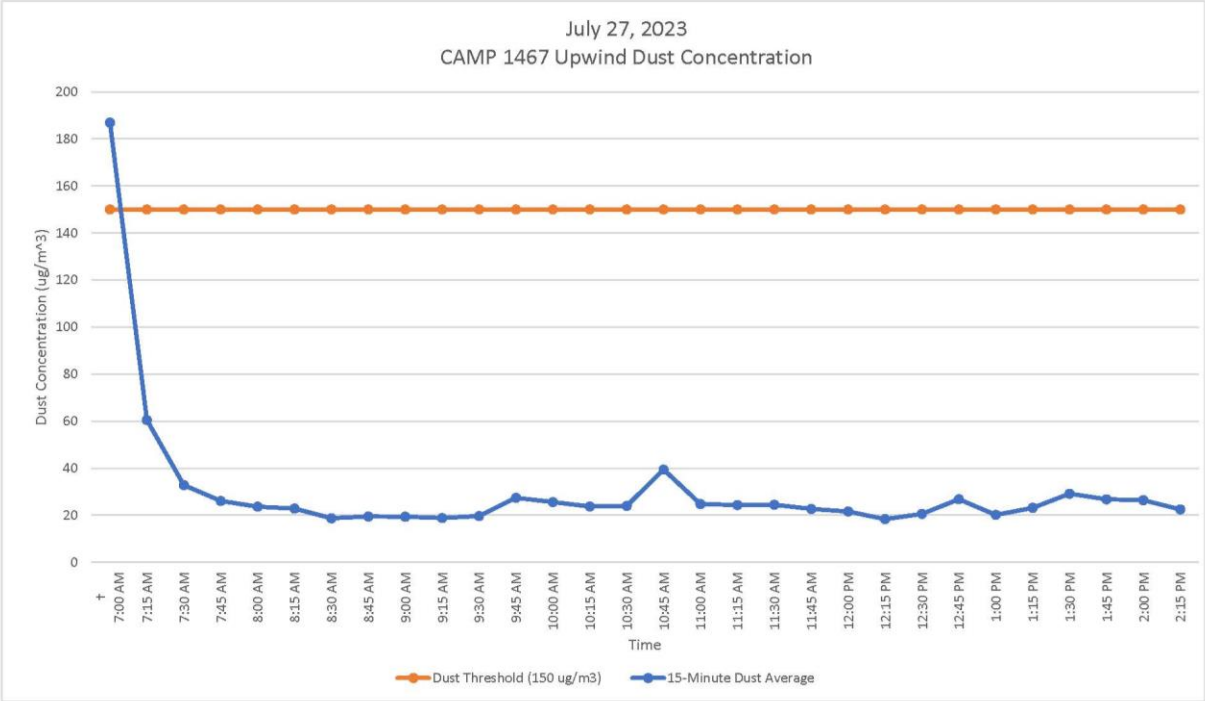
DATE: 7/27/2023
FILE NO: 41.0163097.00

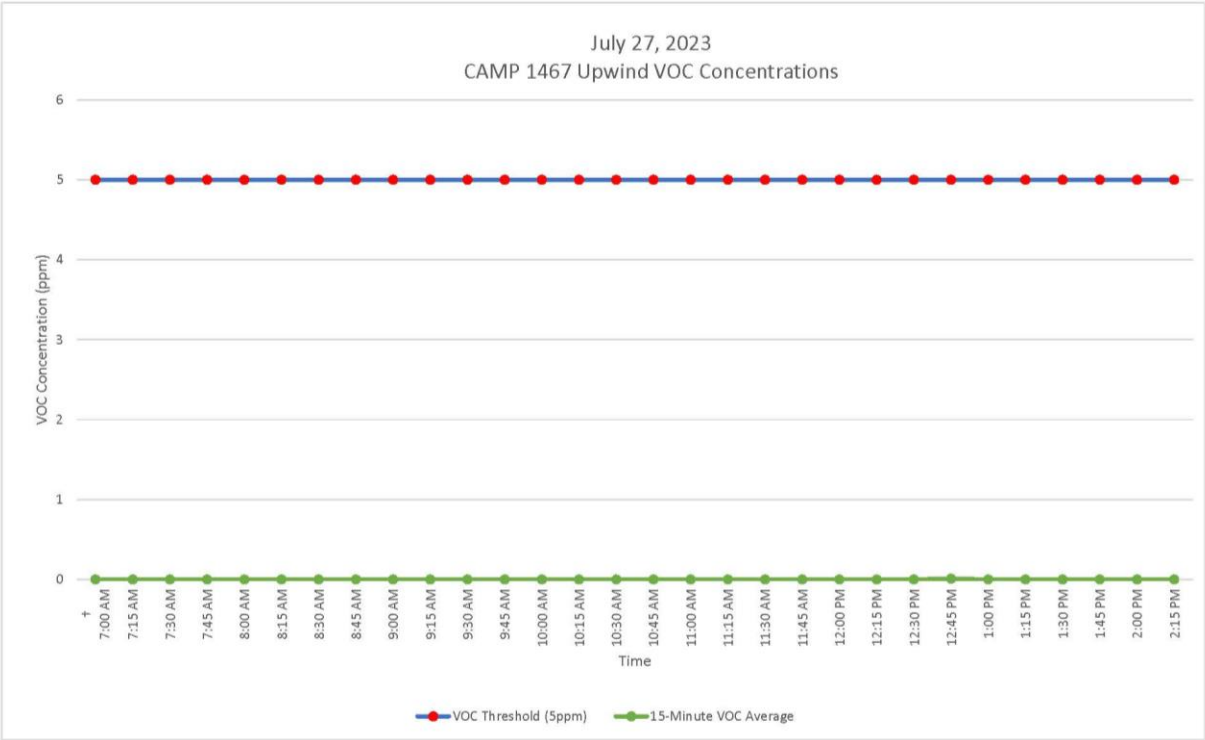




GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	85.16 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	69.92°F
		MAX WIND SPEED	12 mph from W
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.41 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, July 28, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 7/28/2023

Work Location (Attachment A) : Grid A2, A3, A4, A5, and D4

1. J&A Concrete continued installation of soldier piles at grids A4 and A5 and backfilled the western side of grid A5 with previously stockpiled soil
2. J&A Concrete demolished parts of an existing foundation slab and performed excavation at grids A4 and A5 for installation of lagging lumber and collection of end-point samples. Excavated soils were stockpiled separately on plastic sheeting at grids A4 and B4 and covered at the end of the day.
3. Macro Enterprises performed minor hand excavation and installed lagging wall in A2 and A3.
4. J&A concrete performed excavation at grid D4 in preparation for collection of end-point samples. Excavated soils were stockpiled separately at grid D5 on plastic sheeting and covered at the end of the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- John Deere 330CLC Excavator

SAMPLES COLLECTED

- End-point samples EP-01, EP-02, and EP-05 from grid A4 at 5-feet below ground surface (bgs).

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 15.16 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 15.16 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

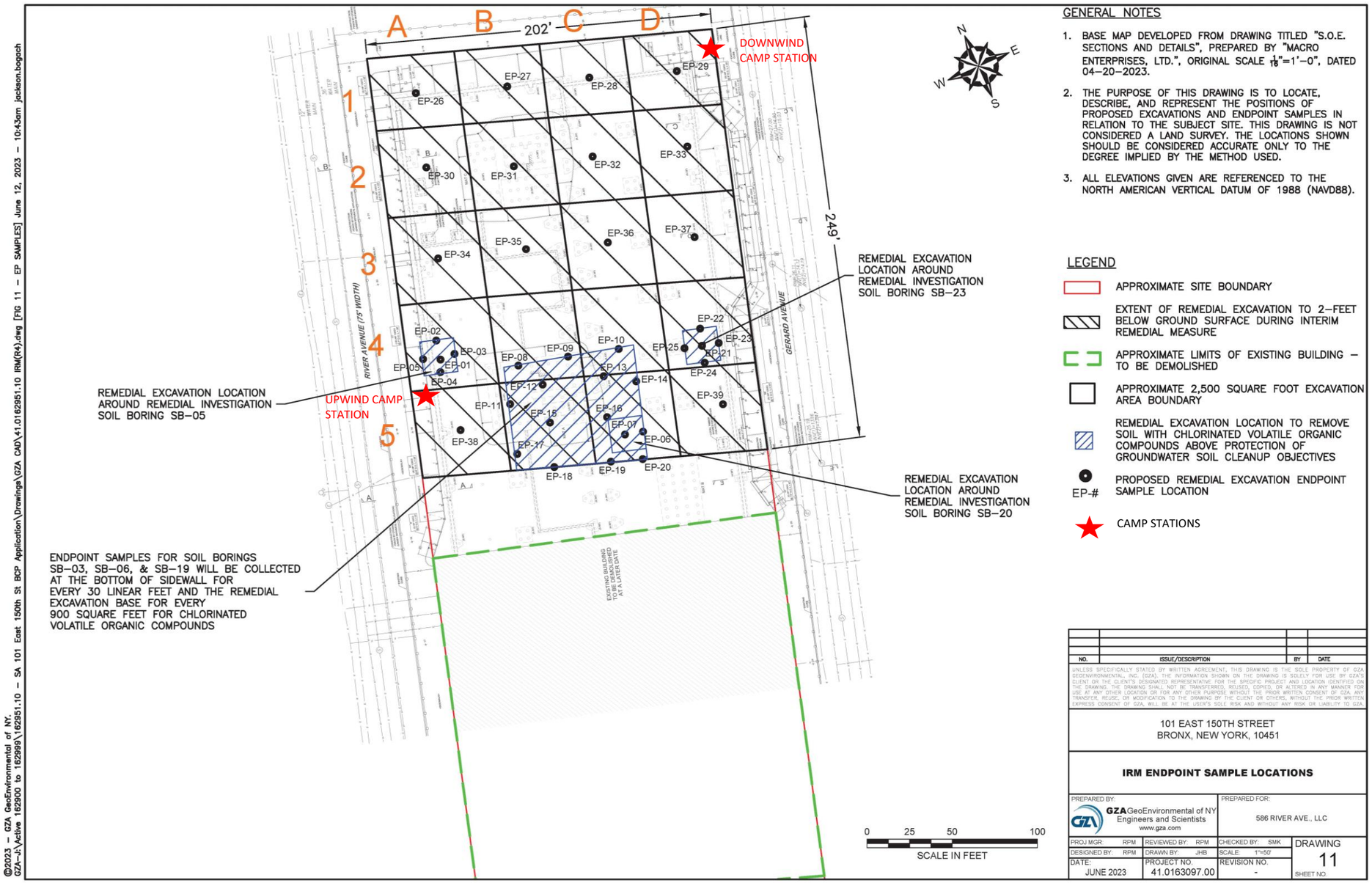
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT, OR THE CLIENT'S DESIGNATED REPRESENTATIVE, FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** North	**Photo No.** 2	**Direction Photo Taken** Northeast
Description: Upwind CAMP station at the southwest corner of the Site.		**Description:** Installation of soldier piles at grid A-4 with the old foundation encountered during excavation.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** East
Description: Excavation at grid D-4 in preparation for collection of end-point samples. Excavated soils were stockpiled on plastic sheeting at grid D-5.		**Description:** Excavation at grids A-4 and A-5. Excavated soils were stockpiled on plastic sheeting at grids A4 and B4. Also shown Downwind CAMP station at the northeast corner of the Site.	

GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

Photo No. 5	Direction Photo Taken: East	Photo No. 6	Direction Photo Taken Northeast
Description: The soil stockpile at grid D-5 covered at the end of the day.		**Description** The soil stockpile in grids A-1, A-2, A-4, and B-4 covered at the end of the day.	

GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 28, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____ _____

_____ _____ _____

Station 2 _____ _____ _____

_____ _____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

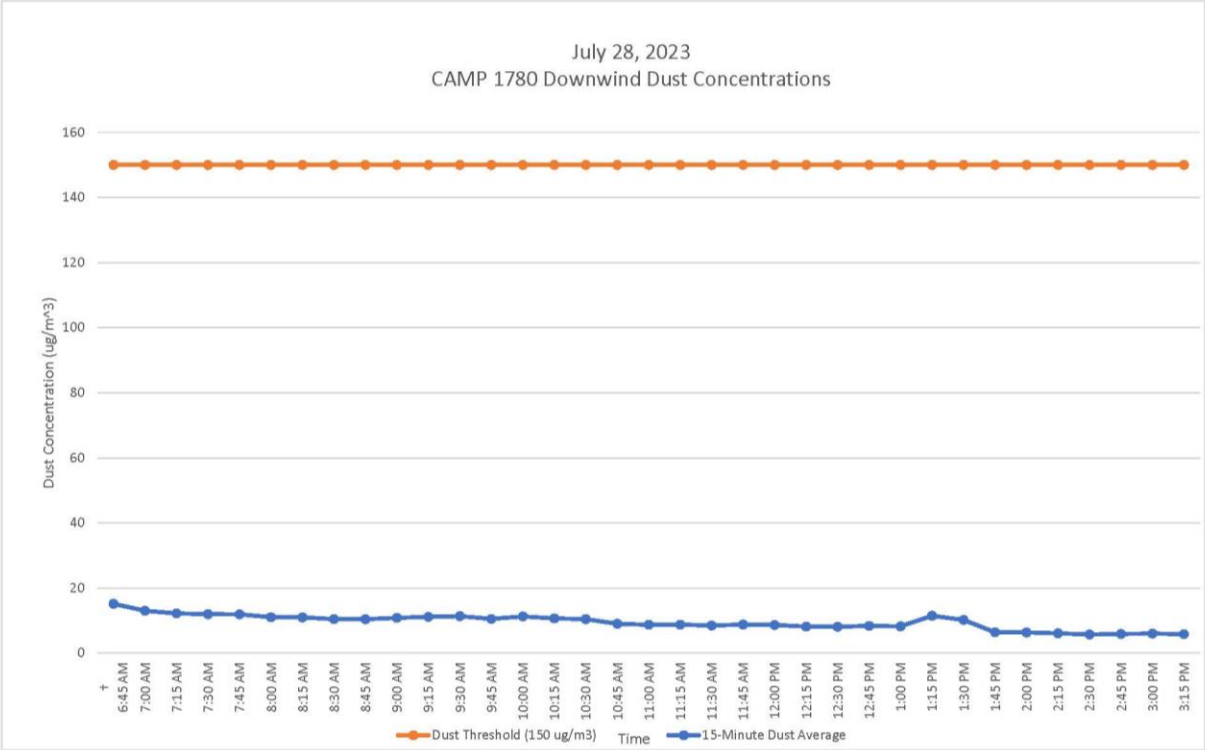
Background Readings:

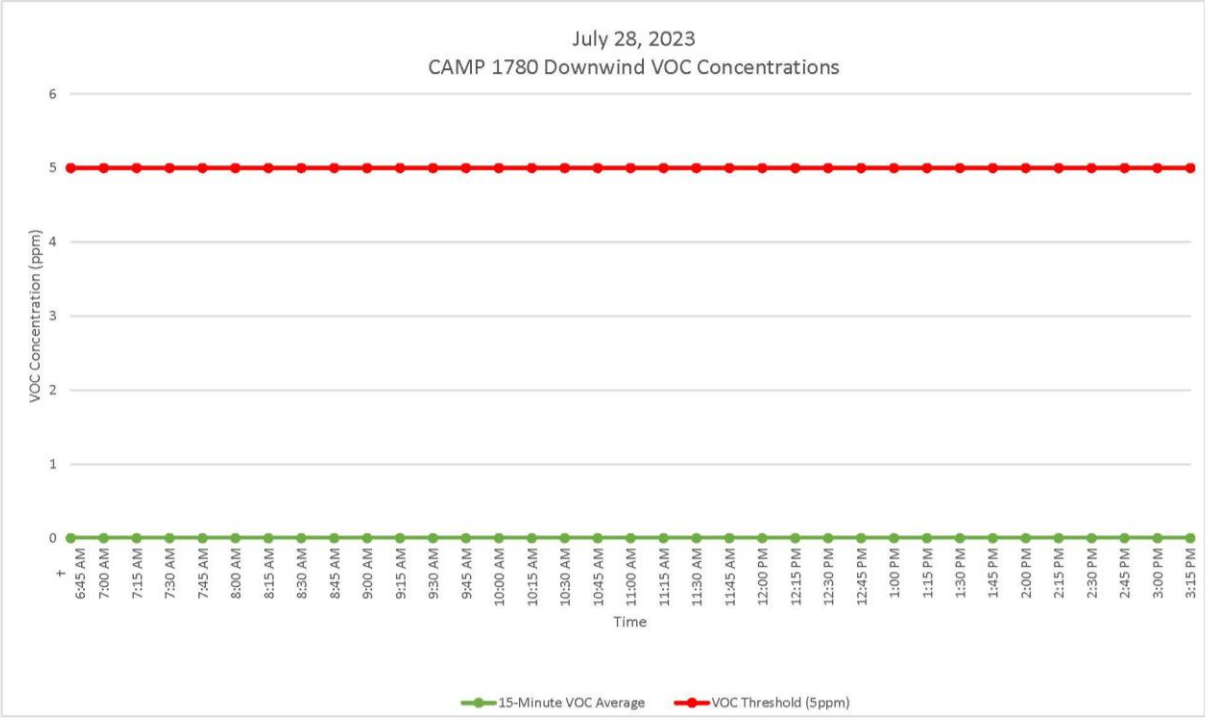
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 15.16
Data Ram 2: 13.93

GZA DAILY FIELD SUMMARY 5

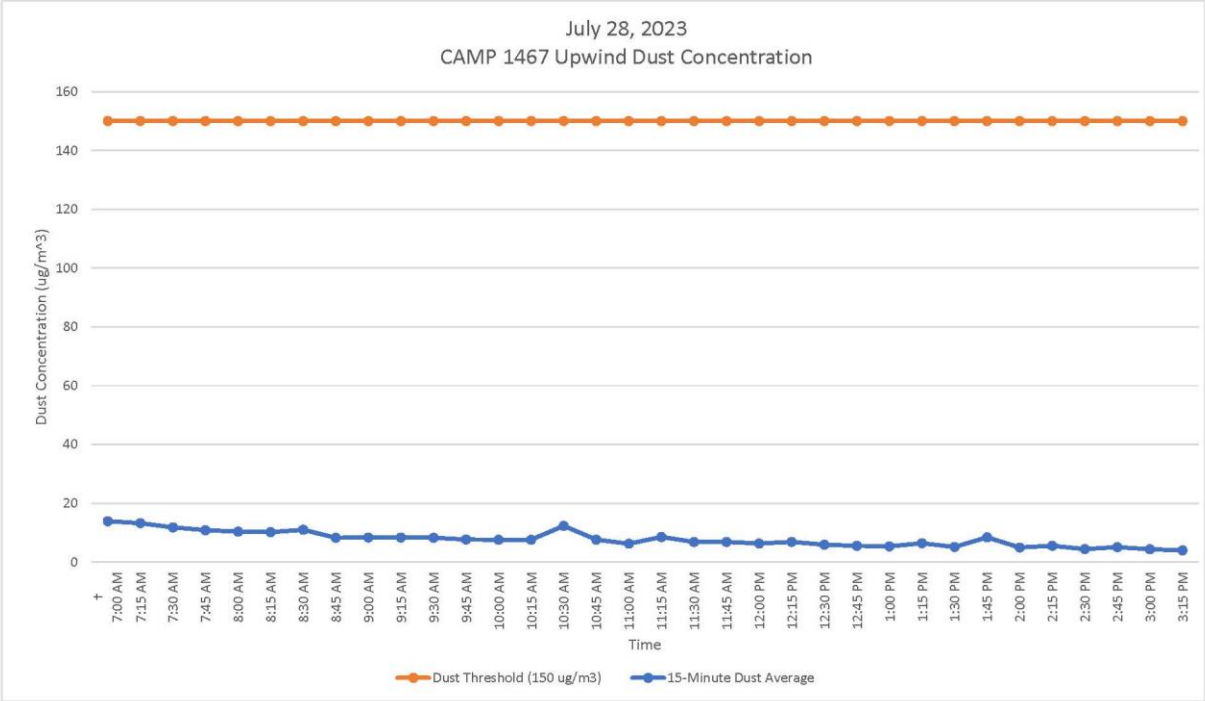
DATE: 7/28/2023
FILE NO: 41.0163097.00

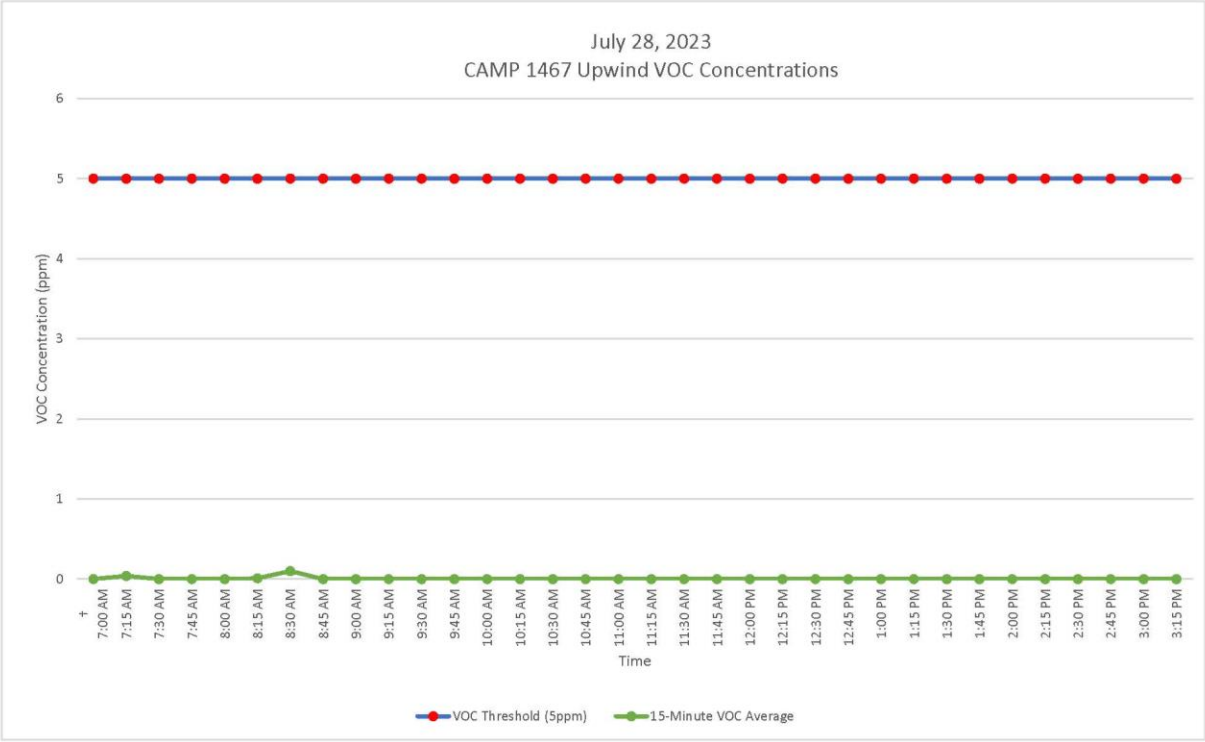




GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	79.3 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	51.44°F
		MAX WIND SPEED	16 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, July 31, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
	PT Consultants	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 7/31/2023

Work Location (Attachment A): Grid A2, A4, A5, B2, and D4

1. J&A concrete performed excavation in A5 for installation of lagging wall.
2. J&A concrete continued excavation at grid A4 for collection of end-point samples. Excavated soils were stockpiled separately on plastic sheeting at grids A4 and B4 and backfilled completely following sample collection.
3. J&A concrete continued excavation at grid D4 for collection of end-point samples. Excavated soils were stockpiled separately on plastic sheeting at grid D5 and backfilled partially following sample collection. Remaining soils not backfilled were covered at the end of the day.
4. J&A Concrete performed demolition of asphalt surface in A2 and B2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED

- End-point samples EP-03 and EP-04 from grid A-4 at 5-feet below ground surface (bgs) and EP-21 through EP-25 from grid D-4 at 8-feet bgs.

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 2.13 ppm, Particulates: 28.34 ug/m^3
High Conditions – PID: 10.87 ppm, Particulates: 9.07 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
The VOC exceedances noted during this monitoring period were due to calibration/re-calibration of CAMP station equipment. They were not indicative of site conditions as levels fell below threshold upon end of calibration.
No particulate exceedances were noted. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

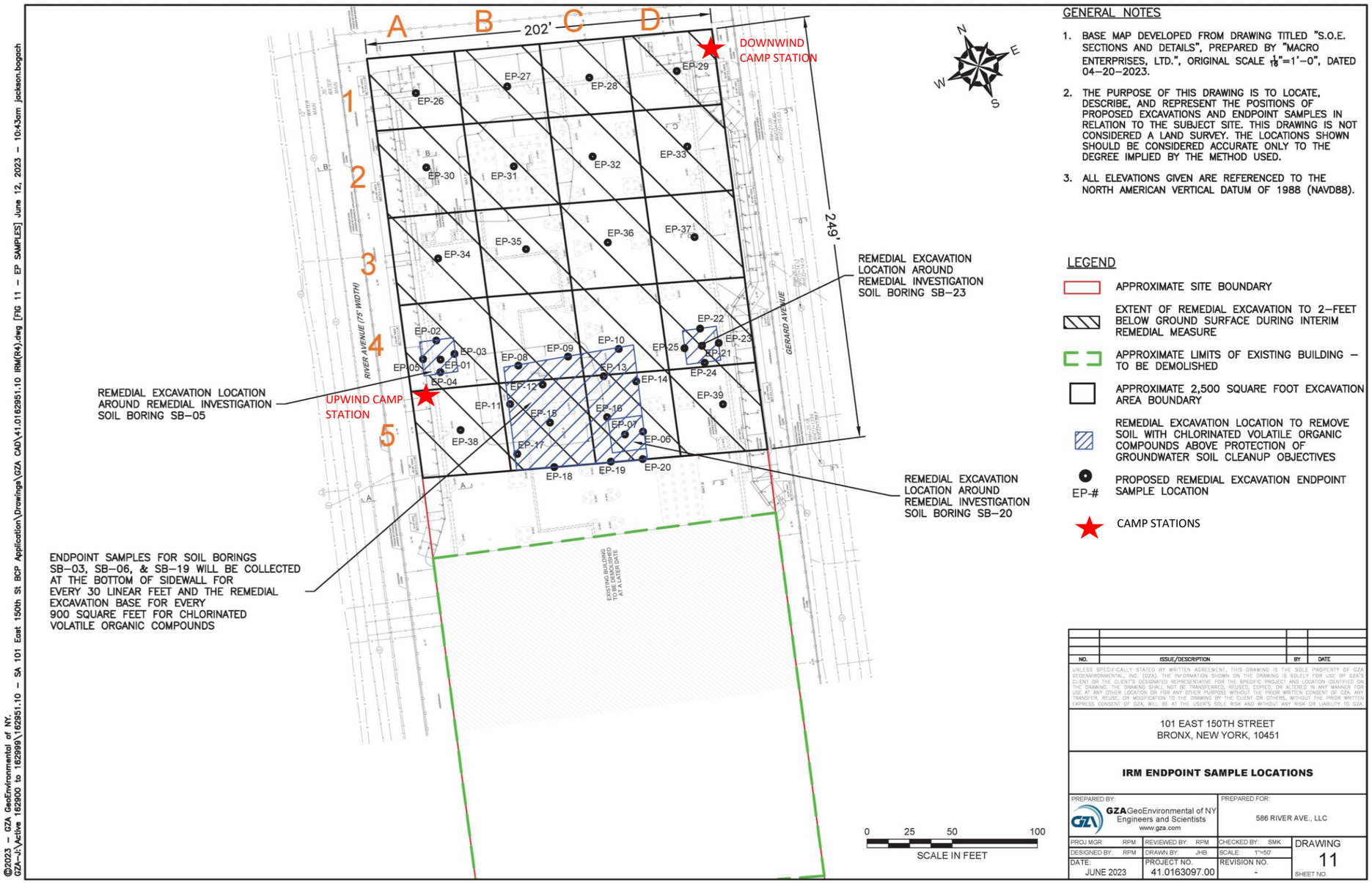
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
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- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
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NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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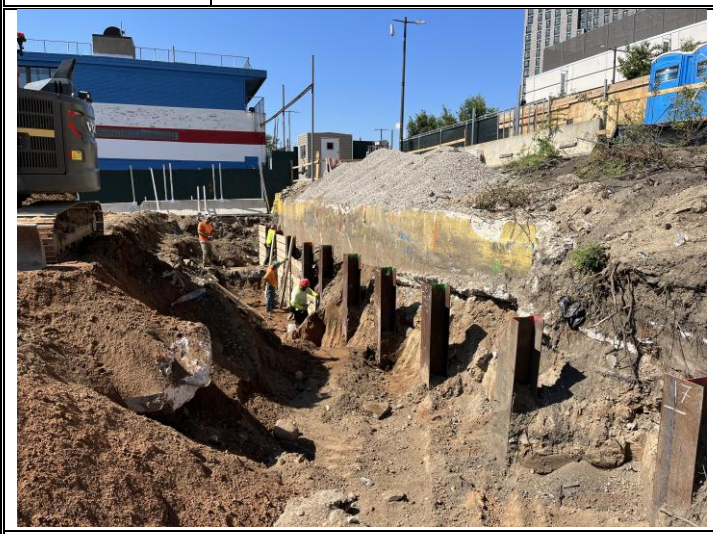
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	Southwest	2	South



Description: Installation of lagging wall at grid A5.

Description: Downwind CAMP station at the northeast corner of the Site during calibration.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
3	North	4	Southeast

Description: Demolition of asphalt surface in A2 and B2, with water being sprayed to minimize dust.

Description: The soil stockpile at grid D-5 covered at the end of the day.

GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 31, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 Air Logics CAMP Station (1780– Downwind) with remote telemetry system

Station 2 Air Logics CAMP Station (1467– Upwind) with remote telemetry system

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 10 ppm**	
1	☐ YES	☒ NO	1 ☒ YES	☐ NO
2	☐ YES	☒ NO	2 ☒ YES	☐ NO
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO		
2	☐ YES	☒ NO		
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1	☒ Data	☒ Avg	☐ Summary		
2	☒ Data	☒ Avg	☐ Summary		

Data Rams:

1	☒ Data	
2	☒ Data	

Weather Station: ☐ YES

Background Readings:

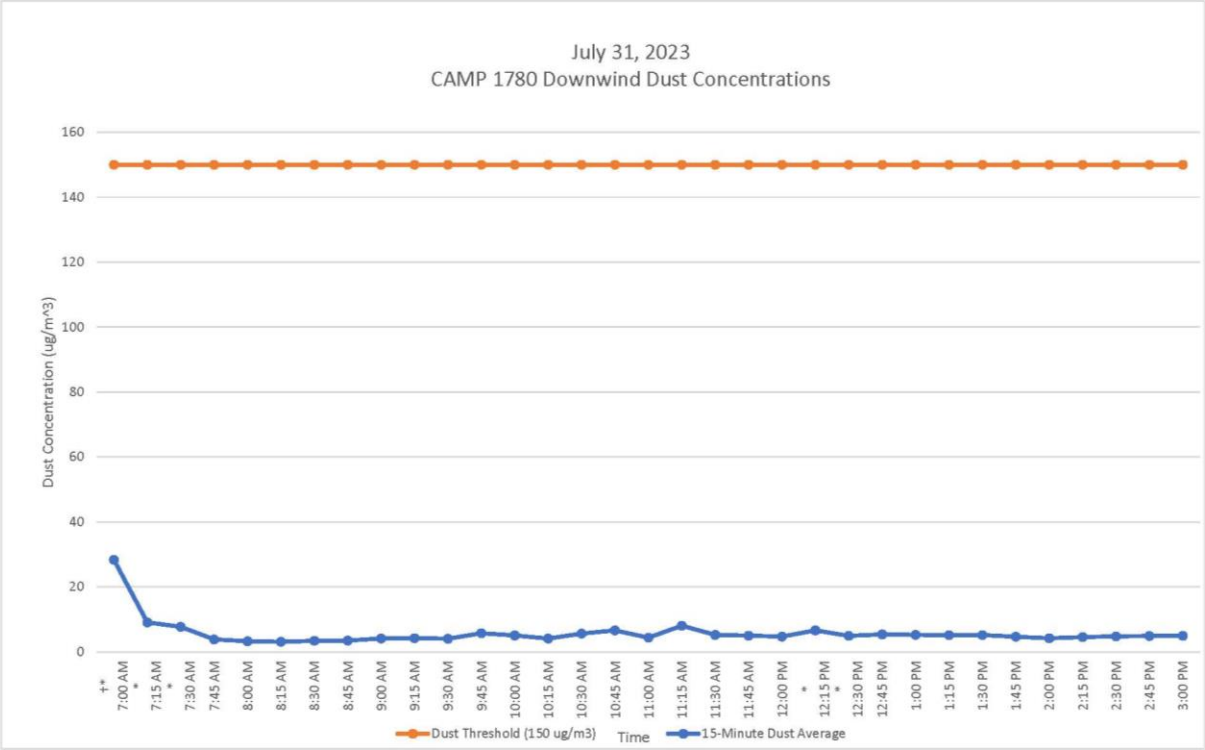
PID 1: 2.13
PID 2: 0.0

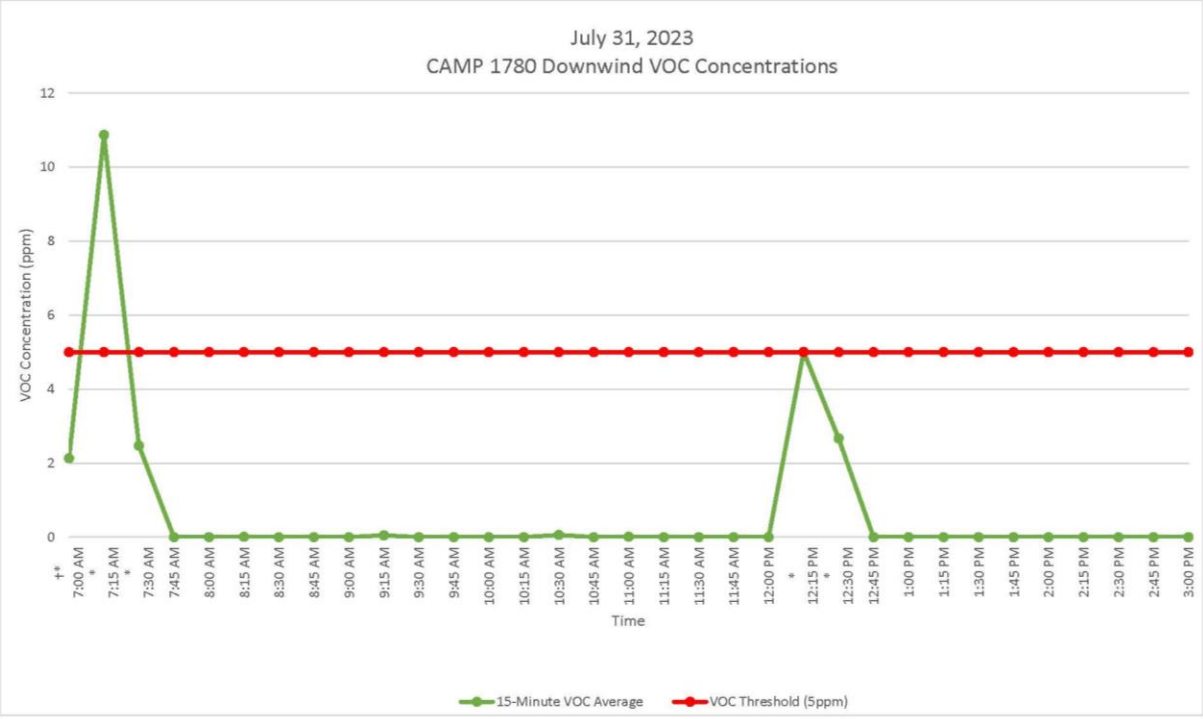
Data Ram 1: 28.34
Data Ram 2: 6.42

GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023

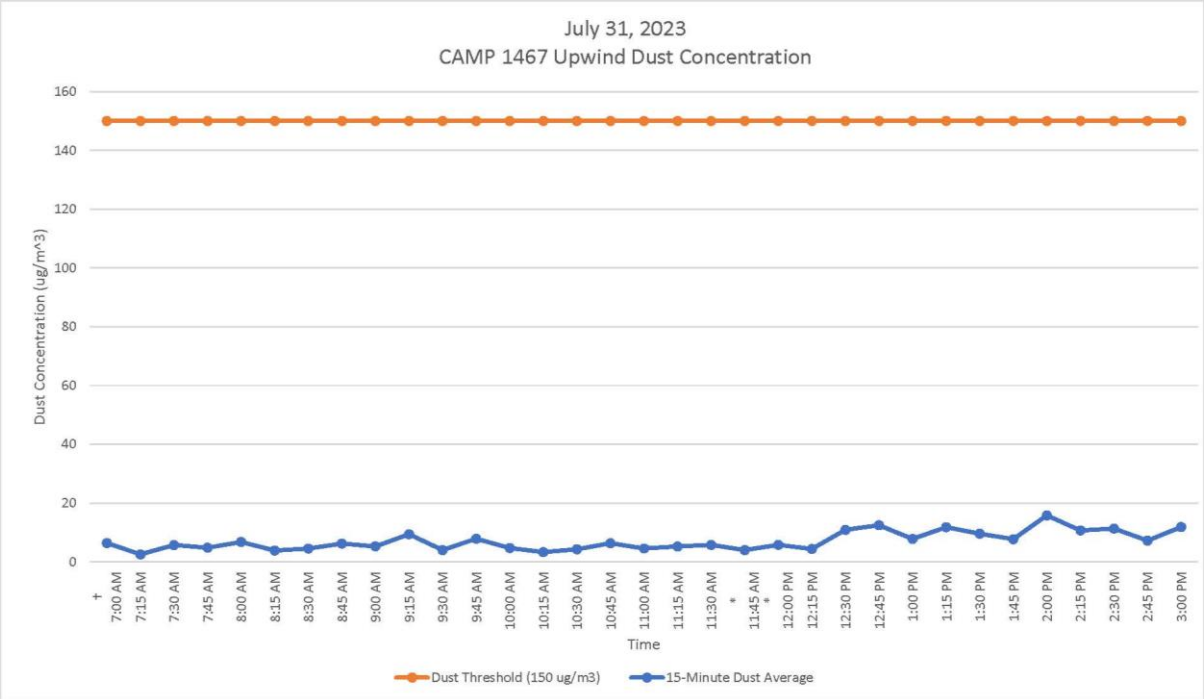
FILE NO: 41.0163097.00

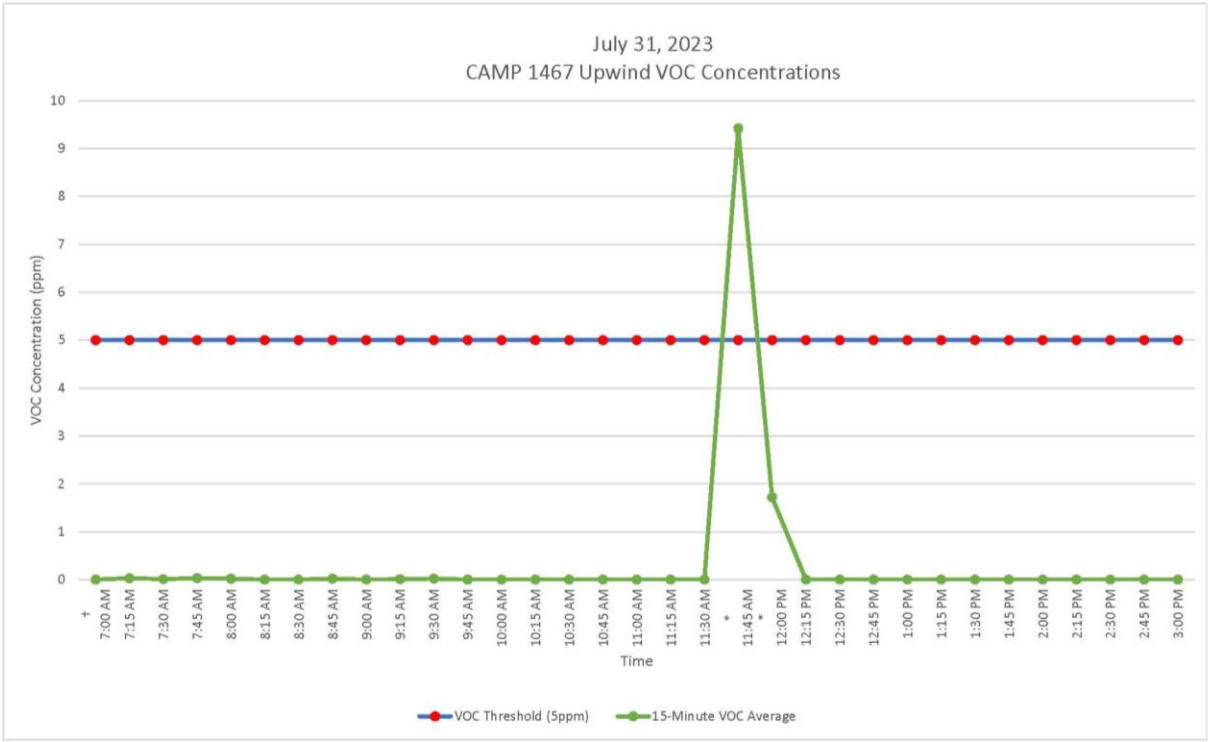




GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	73.41 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	51.41°F
		MAX WIND SPEED	10 mph from NNE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, August 1, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
	PT Consultants	
SITE VISITORS:	**GZA**	
	Reinbill Maniquez	
	J&A Concrete	
	Paul Cunha	

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 8/1/2023

Work Location (Attachment A): Grid A1, A2, B1, D1, and D2

1. Loadout of stockpiled soil excavated from grids A1, A2, and B1 (0-3 feet bgs). 28 truckloads of soil (approximately 560 cubic yards) were transported to PPark in Prospect Park, New Jersey.
2. Excavation of soil from A1, A2, and B1 and stockpiling in A2 and A3.
3. J&A concrete performed excavation in D1 and D2 for installation of lagging wall.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 10.79 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 11.06 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 28 truckloads of soil (approximately 560 cubic yards) were transported to PPark in Prospect Park, New Jersey.

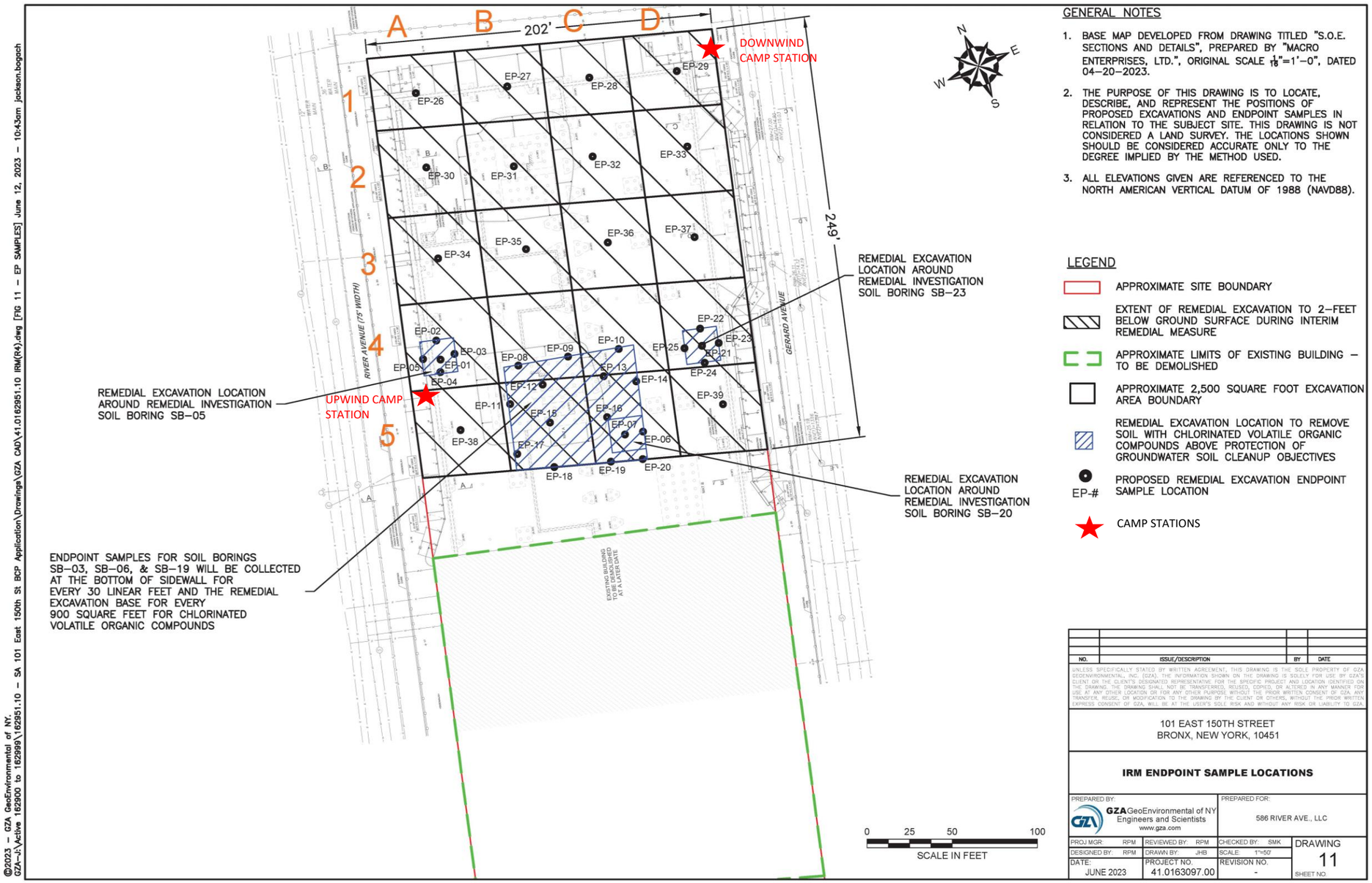
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
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- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** North	**Photo No.** 2	**Direction Photo Taken** Southwest
Description: J&A Concrete loading trucks from a stockpile. Soils in the stockpile are from grids A-1, A-2, and B-1 (0-3 feet bgs).		**Description:** J&A Concrete removing soil and debris from trucks before exiting the site.	
Photo No. 3	**Direction Photo Taken:** West	**Photo No.** 4	**Direction Photo Taken** North
Description: Munoz Truck tarp covering being inspected prior to leaving the Site.		**Description:** Dust suppression measure was implemented by spraying down soil with water	

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

Photo No. **5**	**Direction Photo Taken:** North	**Photo No.** **6**	**Direction Photo Taken** East
Description: Downwind CAMP station at the southwest corner of the Site.		**Description:** The soil stockpile at grids A-2 and A-3 covered at the end of the day.	

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 1, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 Air Logics CAMP Station (1780– Downwind) with remote telemetry system

Station 2 Air Logics CAMP Station (1467– Upwind) with remote telemetry system

Hand Held PID Model 580 SN: 592-602879

Hand Held SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary

2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:

1 ☒ Data

2 ☒ Data

Weather Station: ☐ YES

Background Readings:

PID 1: 0.0

PID 2: 0.0

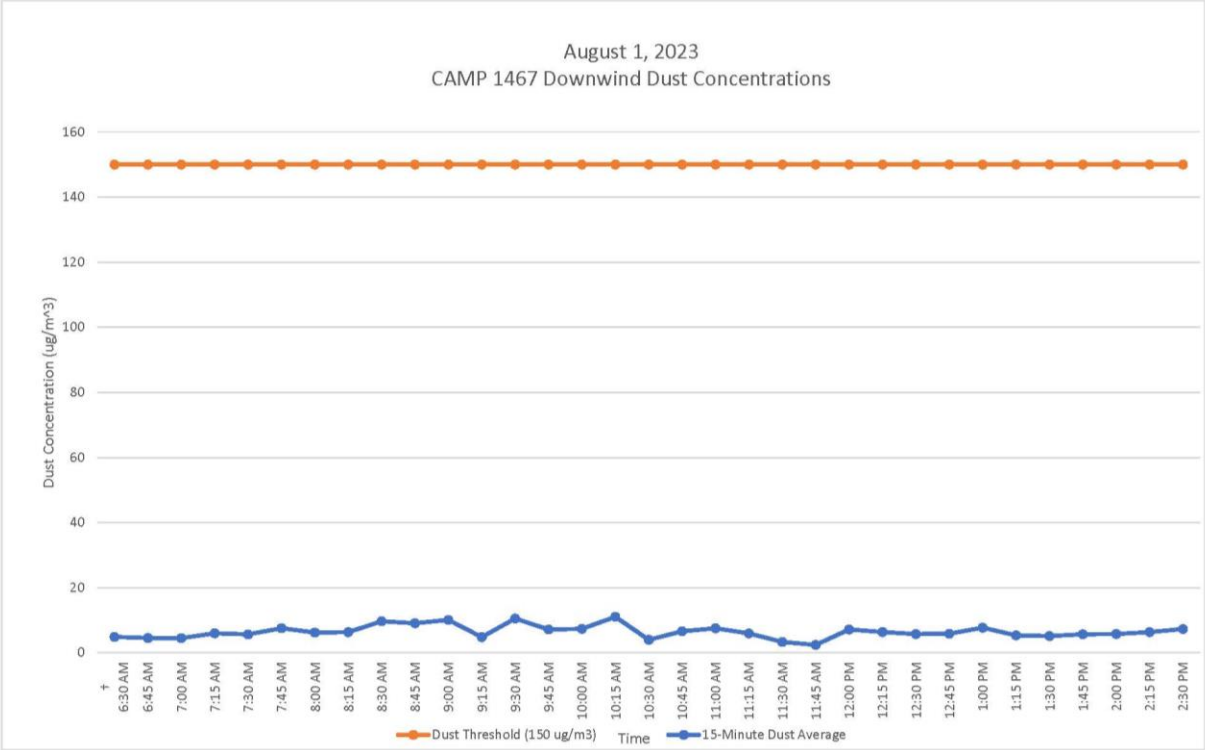
Data Ram 1: 10.79

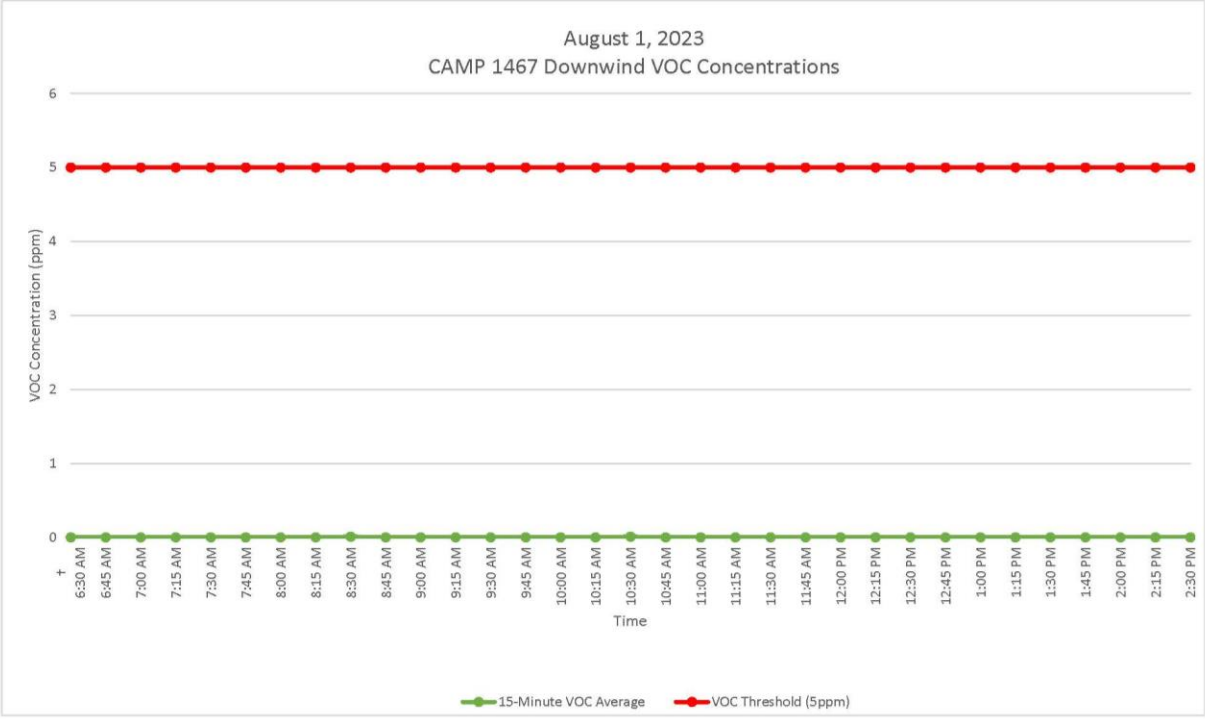
Data Ram 2: 4.88

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023

FILE NO: 41.0163097.00

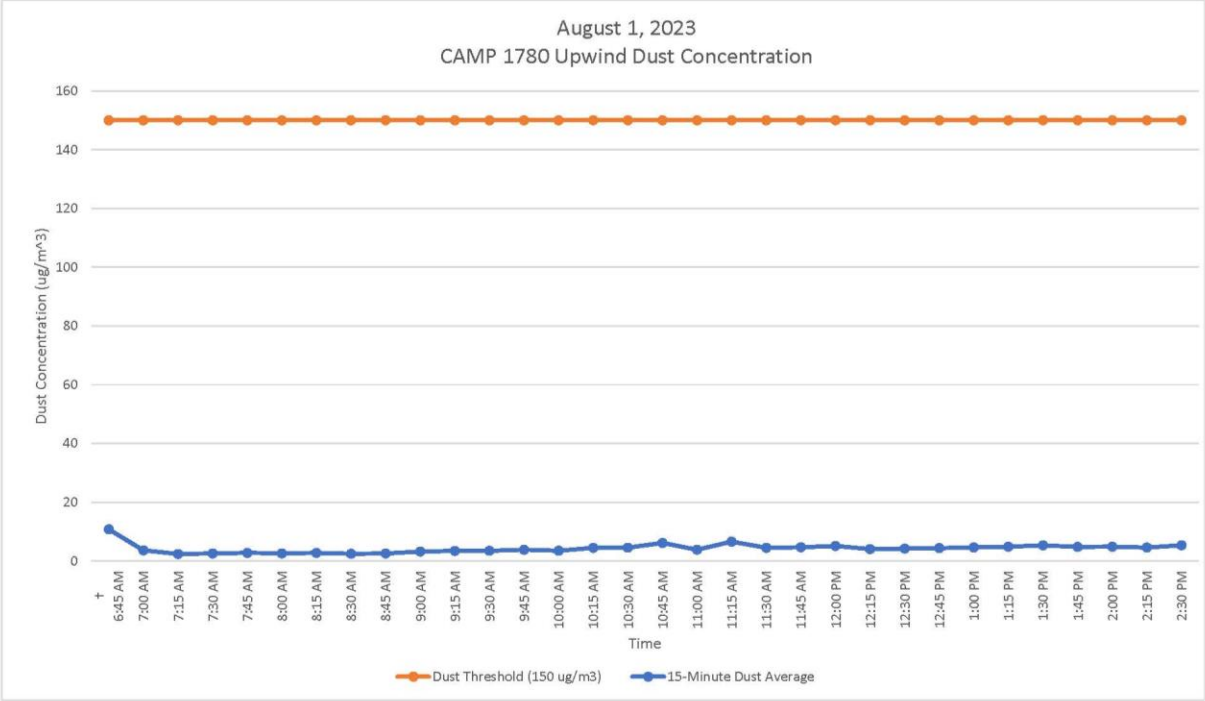


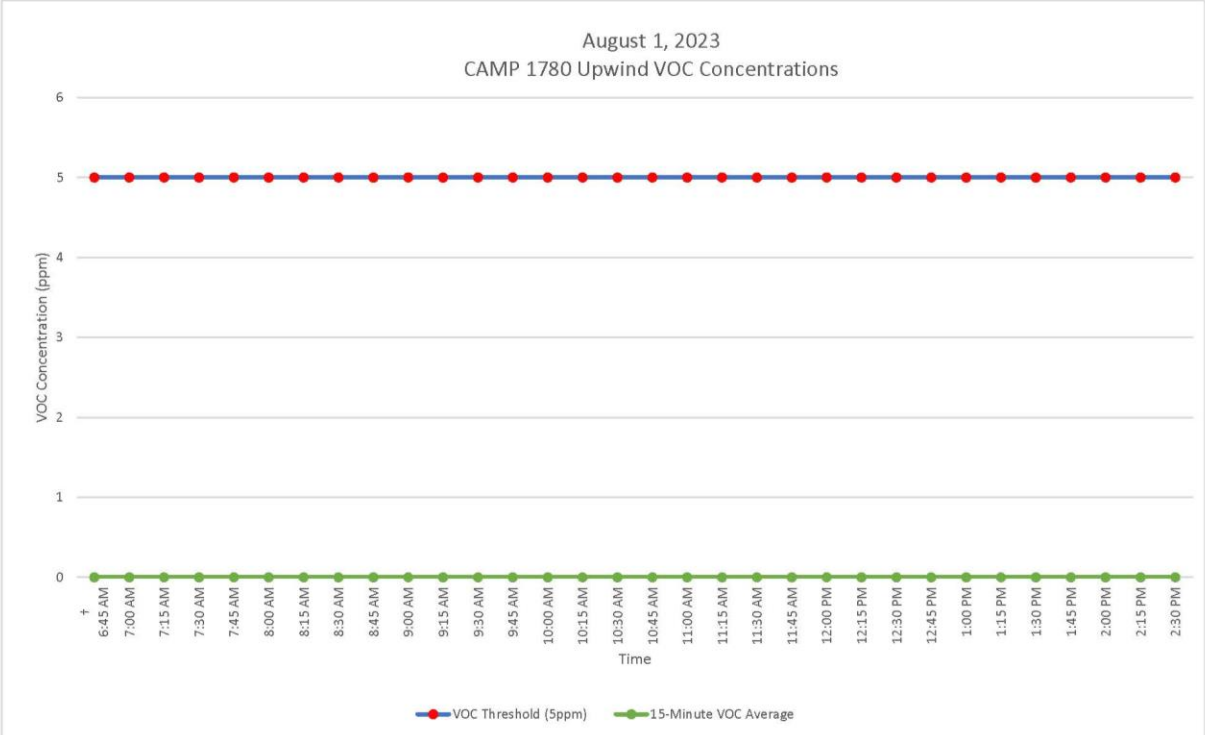


GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	28	560	0	0	28	560
Previous	0	0	0	0	0	0
Total	**28**	**560**	**0**	**0**	**28**	**560**

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	72.55 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	48.36°F
		MAX WIND SPEED	12 mph from ENE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, August 2, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	Matthew DiLorenzo
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 8/2/2023

Work Location (Attachment A): Grid A1, A2, A3, B1, B2, B3, D2, and D4

1. Loadout of stockpiled soil excavated from grids A1, A2, and B1 (0-3 feet bgs). 10 truckloads of soil (approximately 200 cubic yards) were transported to PPark in Prospect Park, New Jersey.
2. Loadout of stockpiled soil excavated from grids A1, A2, and B1 (3-6 feet bgs). 25 truckloads of soil (approximately 500 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
3. Excavation of soil from grids A2 and B1 and stockpiling at grids A2 and A3.
4. J&A Concrete performed demolition of asphalt surface at grids B2 and B3.
5. Loadout of asphalt from grids A2, B2, and B3. 7 truckloads of asphalt were transported to Faztec Industries in Staten Island, New York.
6. J&A Concrete performed excavation at grid D2 for installation of lagging wall. Excavated soils were stockpiled at grid D2 and covered at the end of the day.
7. J&A Concrete backfilled the soils stockpiled at grid D5 in grid D4.
8. Soil Solutions moved pile load test materials offsite.
9. Independence Carting moved roll-off dumpster offsite.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 11.83 ug/m^3
High Conditions – PID: 0.03 ppm, Particulates: 9.83 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 10 truckloads of soil (approximately 200 cubic yards) were transported to PPark in Prospect Park, New Jersey.
- 25 truckloads of soil (approximately 500 cubic yards) were transported to Clean Earth in Carteret, New Jersey.

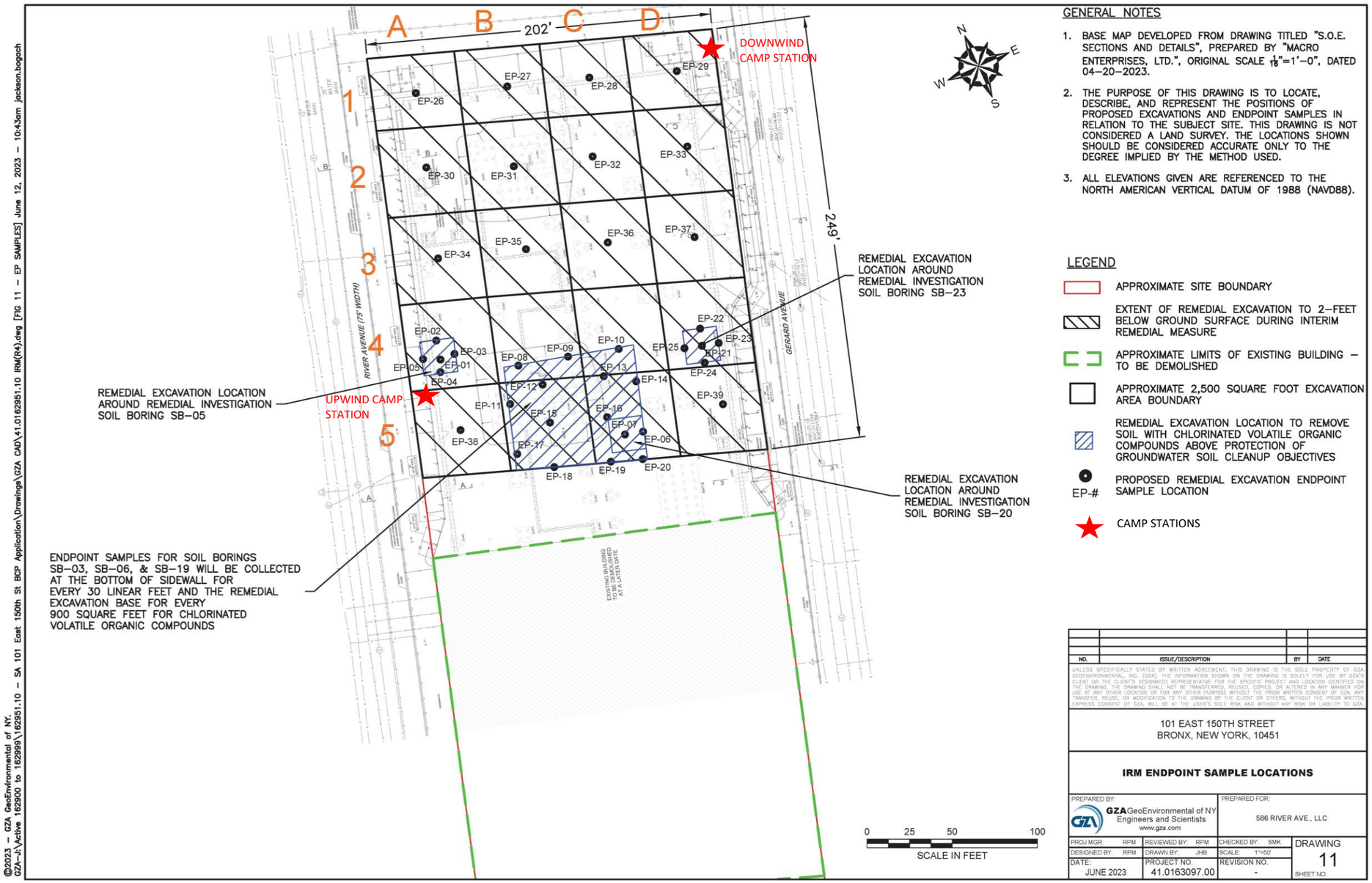
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	Northwest	2	West

Description: J&A Concrete loading trucks from stockpiles. Soils in the stockpiles are from grids A-1, A-2, and B-1 (0-3 feet and 3-6 feet bgs).

Description: J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
3	Northwest	4	North

Description: Demolition of asphalt surface at grids B2 and B3.

Description: Downwind CAMP station at the southwest corner of the Site overlooking soil loadouts.

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
5	Northeast	6	East

Description: Dust suppression measure implemented by the use of water truck spraying down soil with water.

Description: Soil backfill at grid D4.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
7	Northeast	8	Northeast

Description: Excavation at grid D2 for installation of lagging wall.

Description: The soil stockpile at grids A-2, A-3, and D2 covered at the end of the day.

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 2, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 Air Logics CAMP Station (1780– Downwind) with remote telemetry system

Station 2 Air Logics CAMP Station (1467– Upwind) with remote telemetry system

Hand Held PID Model 580 SN: 592-602879
Hand Held SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**	
1	☐ YES	☒ NO	1 ☐ YES	☒ NO
2	☐ YES	☒ NO	2 ☐ YES	☒ NO
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO		
2	☐ YES	☒ NO		
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1	☒ Data	☒ Avg	☐ Summary	
2	☒ Data	☒ Avg	☐ Summary	

Data Rams:

1	☒ Data
2	☒ Data

Weather Station: ☐ YES

Background Readings:

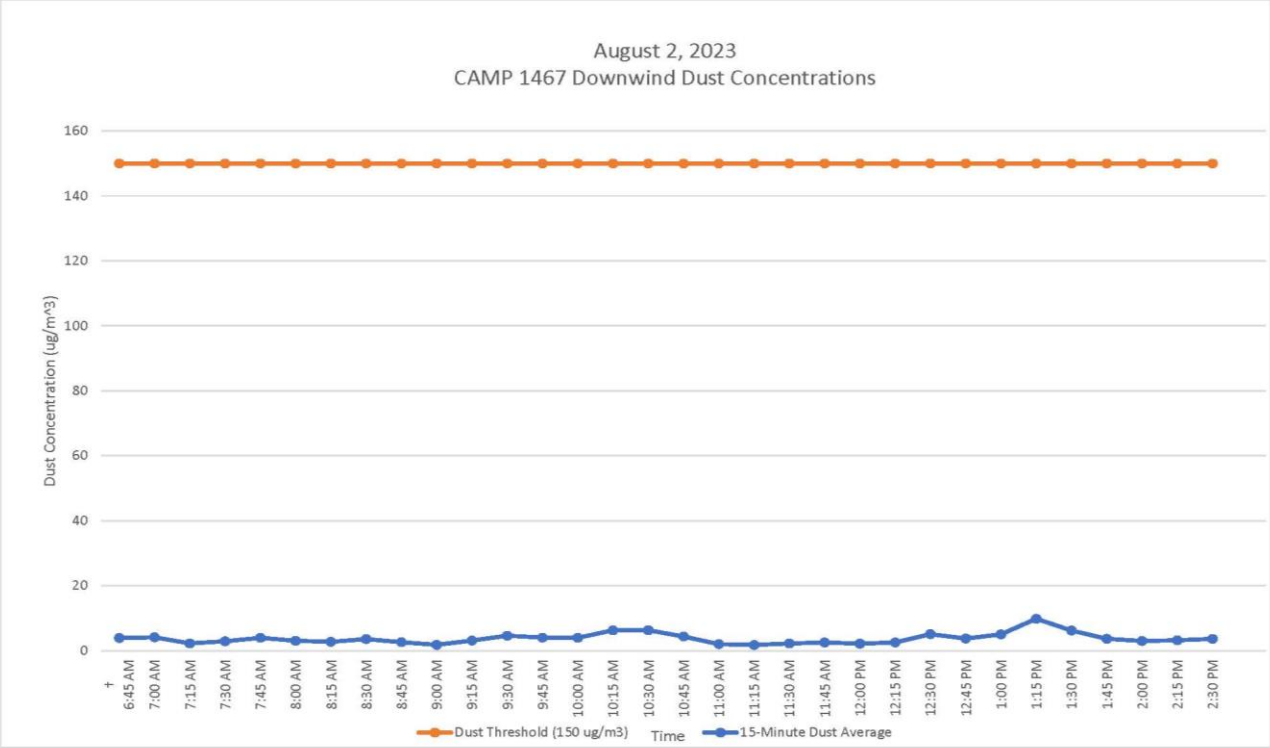
PID 1: 0.0
PID 2: 0.0

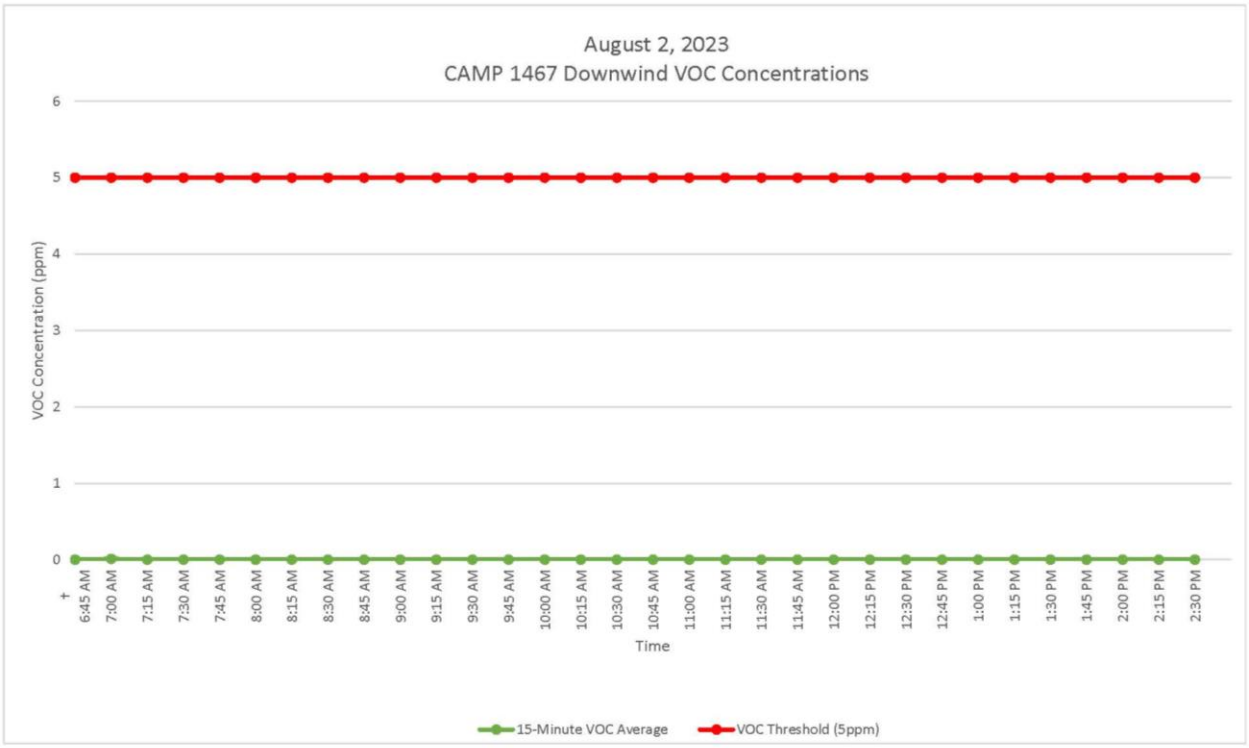
Data Ram 1: 11.83
Data Ram 2: 3.90

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023

FILE NO: 41.0163097.00

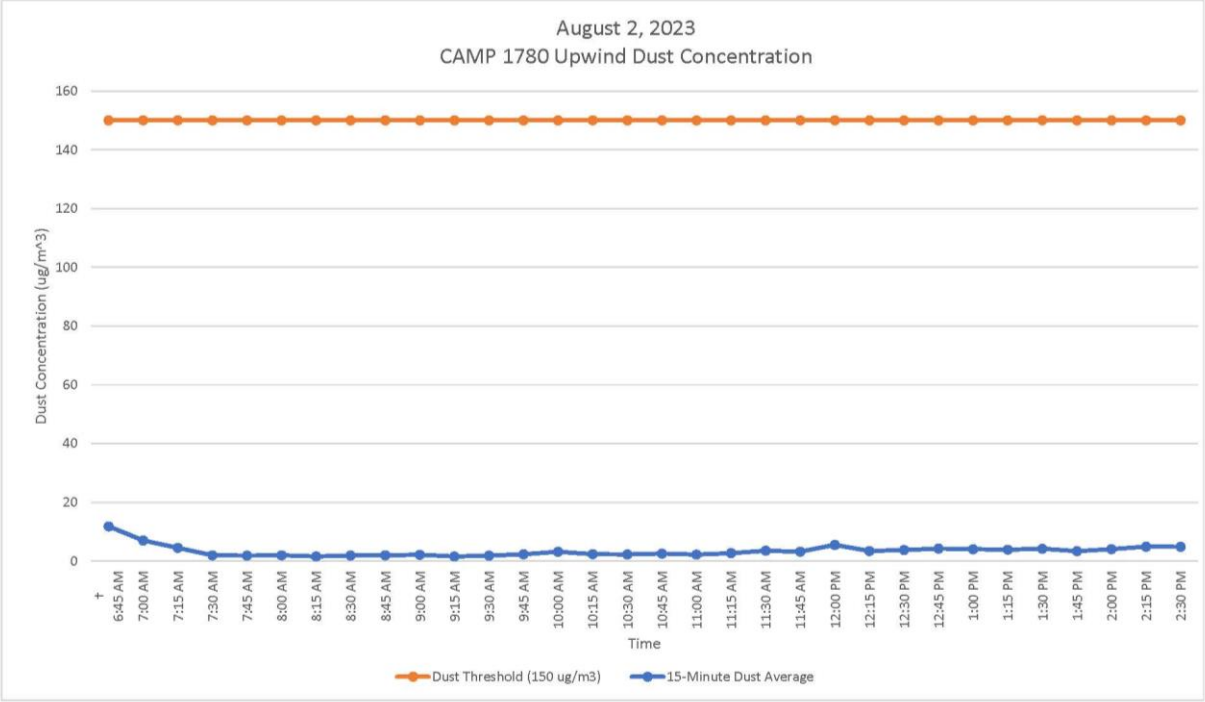


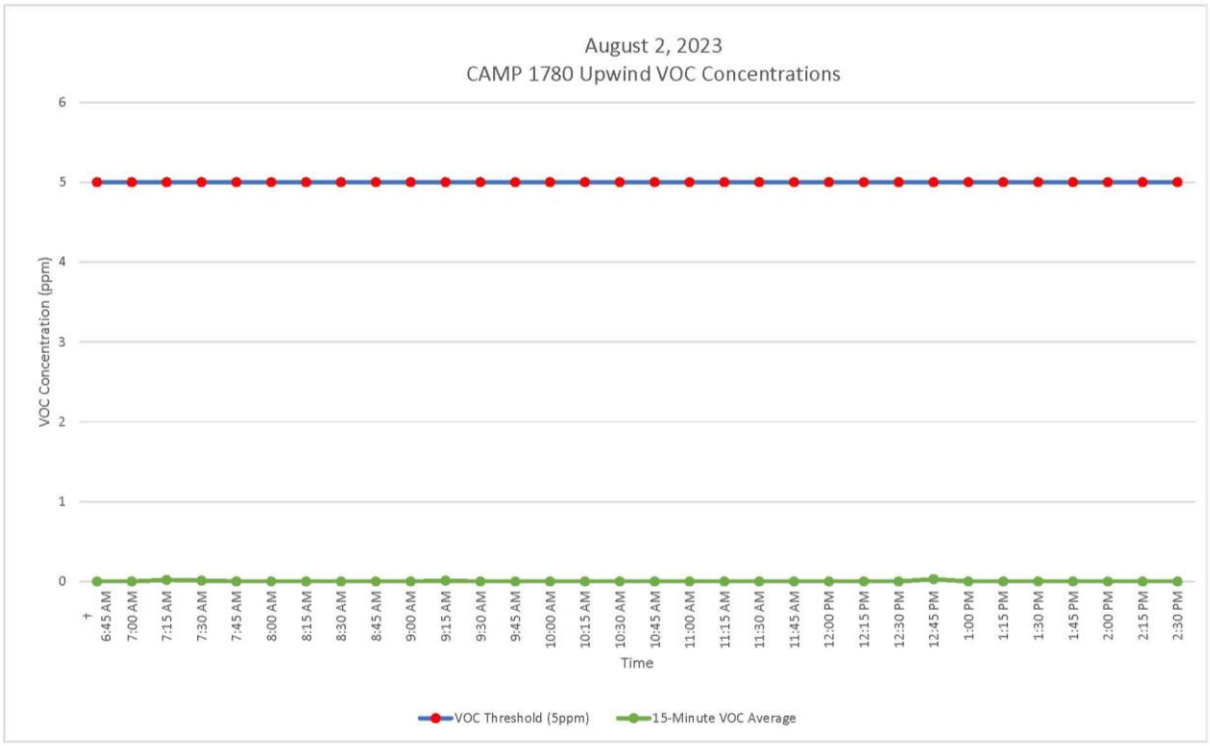


GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	10	200	25	500	35	700
Previous	28	560	0	0	28	560
Total	**38**	**760**	**25**	**500**	**63**	**1,260**

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	74.00°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	53.44°F
		MAX WIND SPEED	20 mph from SSE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, August 3, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 8/3/2023

Work Location (Attachment A): Grid A1, A2, A3, B2, B3, D2, and D4

1. Loadout of stockpiled soil excavated from grids A2 (3-6ft bgs) and A3 (0-6 feet bgs). 30 truckloads of soil (approximately 600 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. Excavation of soil from grids A2 and A3 and stockpiling at grid B2.
3. J&A Concrete performed demolition of asphalt surface at grids B3 and B4.
4. Loadout of asphalt from grids B2, B3, B4 and C4. 6 truckloads of asphalt were transported to Faztec Industries in Staten Island, New York.
5. J&A Concrete performed excavation at grids B2 and D2 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
6. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.06 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 74.17 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 30 truckloads of soil (approximately 600 cubic yards) were transported to Clean Earth of Carteret, New Jersey.

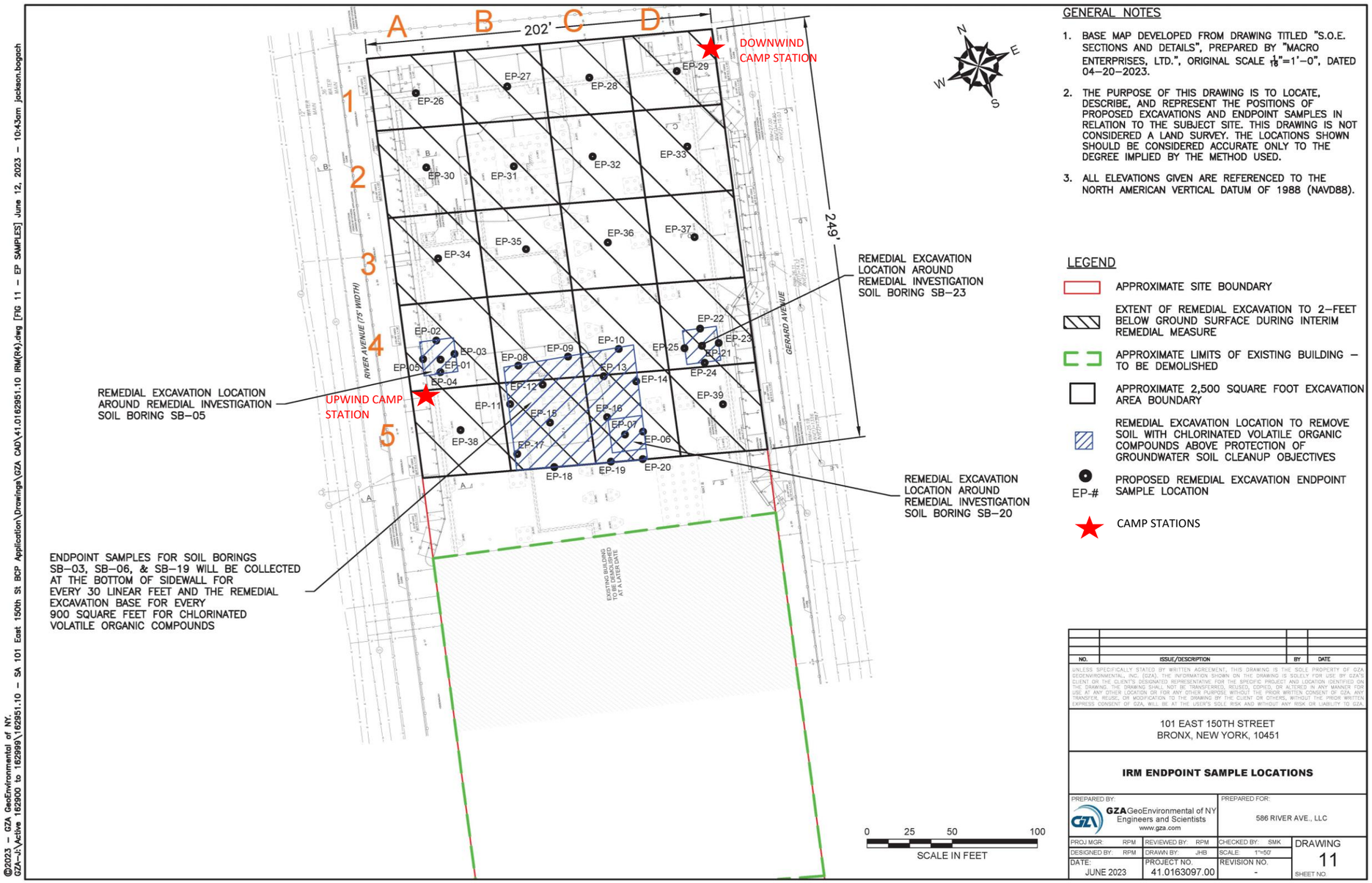
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Northwest	Photo No. 2	Direction Photo Taken South
Description: J&A loading soil from grids A-2 and A-3 for transport to Clean Earth of Carteret.		**Description:** J&A Concrete cleaning debris from trucks prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No. 4**	**Direction Photo Taken** North
Description: Project utilized **w**ater truck used as dust suppression measure.		**Description:** Downwind CAMP station at the southwest corner of the Site.	

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

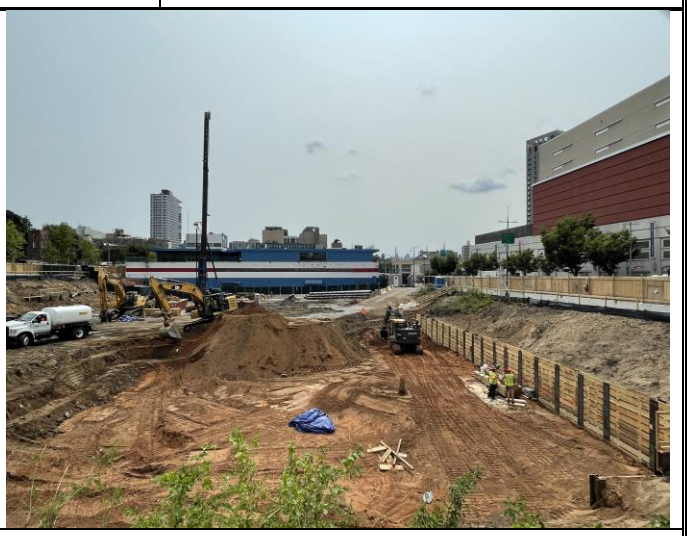
Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
5	Southwest	6	Northeast

Description: Demolition of asphalt surface at grid C4.

Description: J&A loading asphalt into truck for transport off-site.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
7	East	8	South

Description: Excavation at grid D2 for installation of lagging wall.



Description: Overview of excavated northwest portion of the site.

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 3, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1 ☒ Data ☒ Avg ☐ Summary _____
2 ☒ Data ☒ Avg ☐ Summary _____

Data Rams:

1 ☒ Data _____
2 ☒ Data _____

Weather Station: ☐ YES

Background Readings:

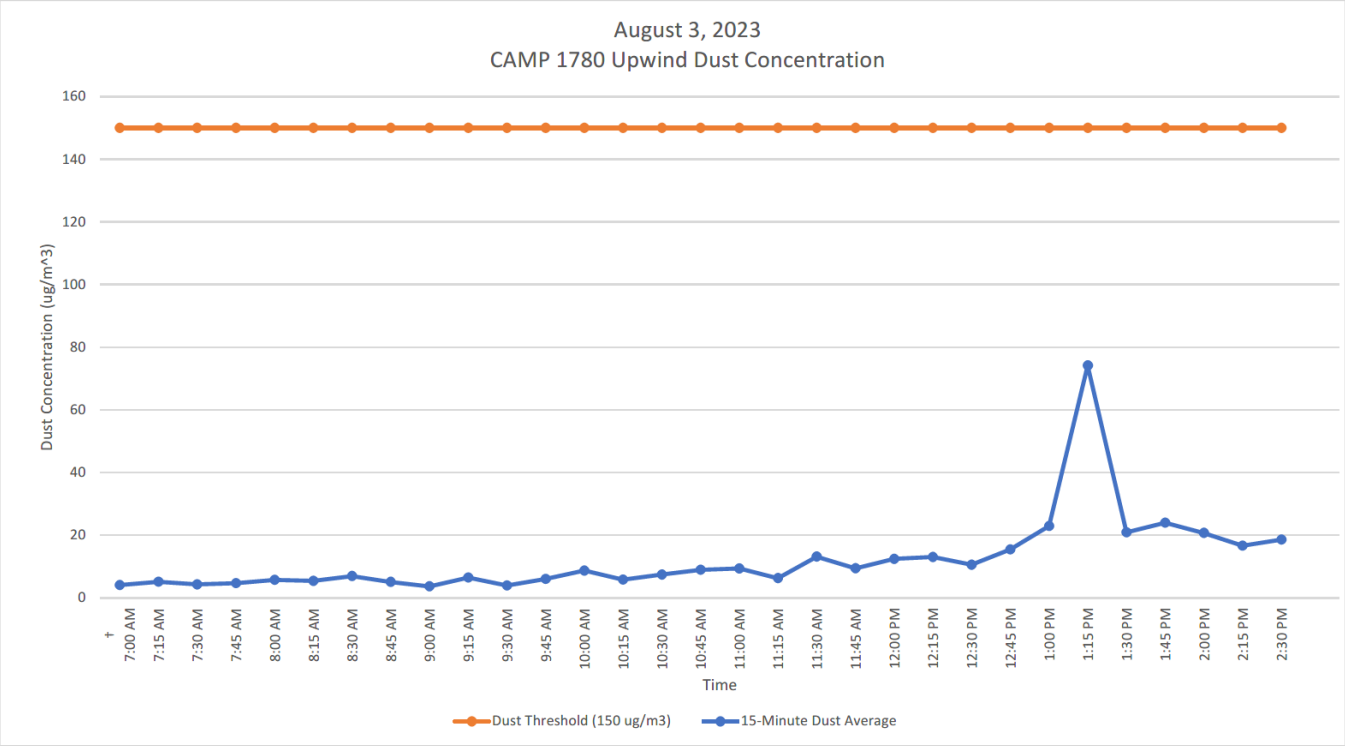
PID 1: 0.0
PID 2: 0.0

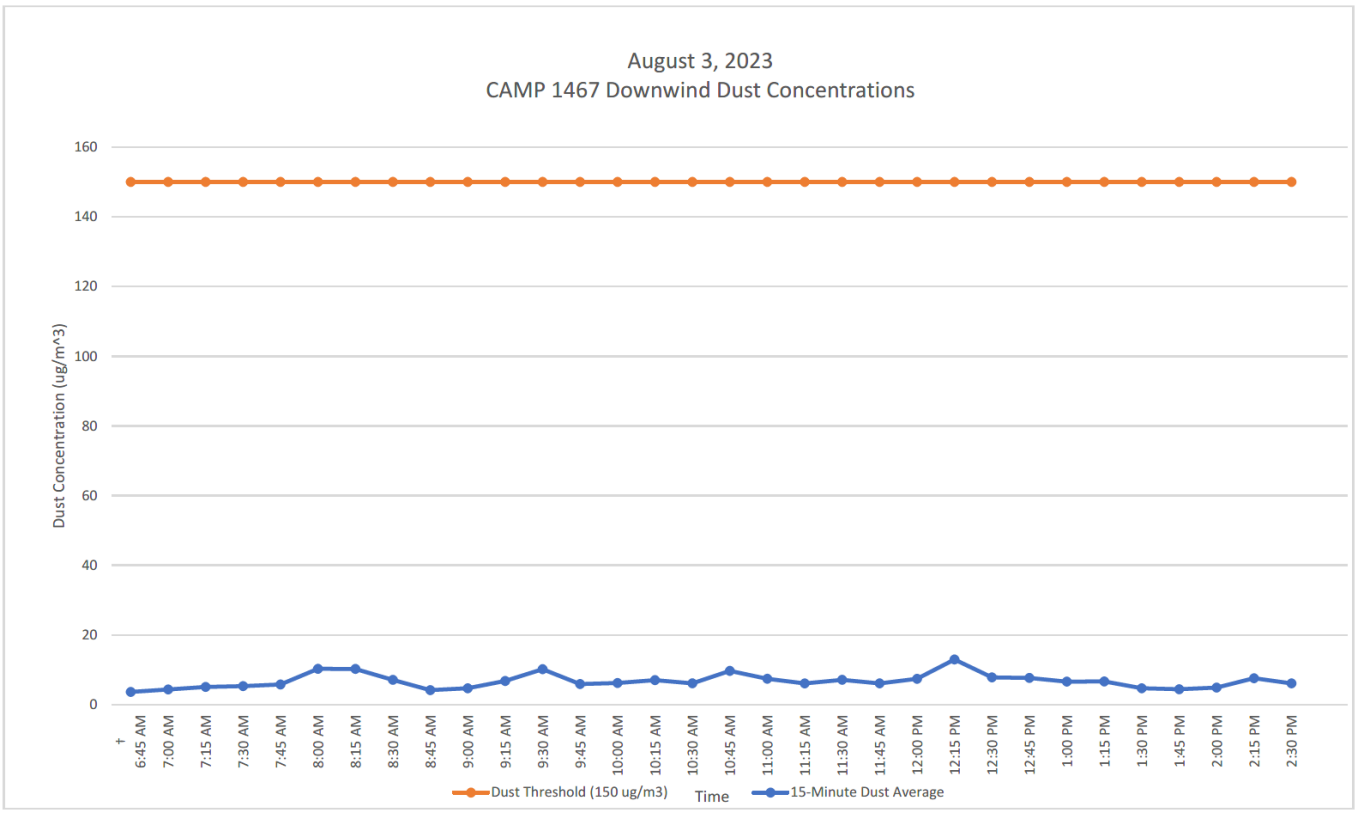
Data Ram 1: 4.06
Data Ram 2: 3.67

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023

FILE NO: 41.0163097.00

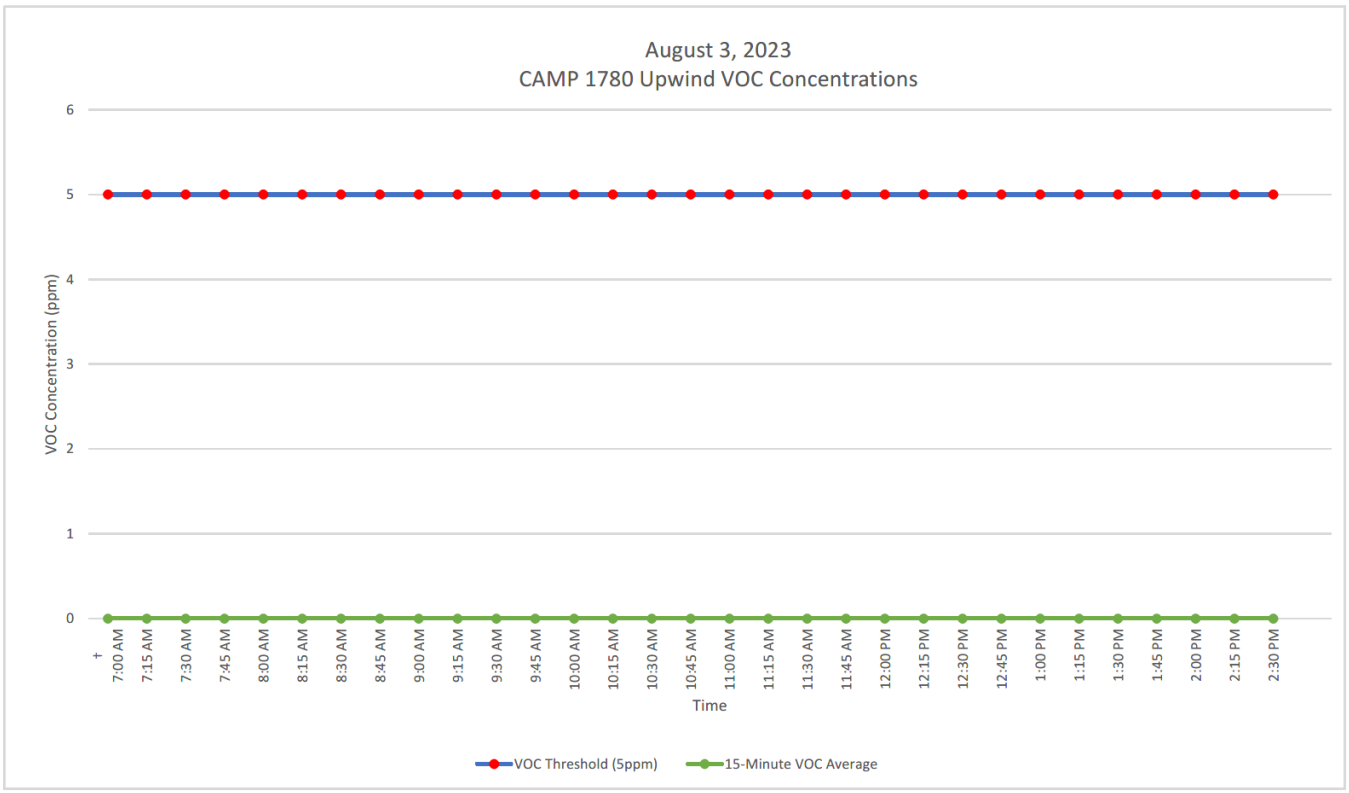


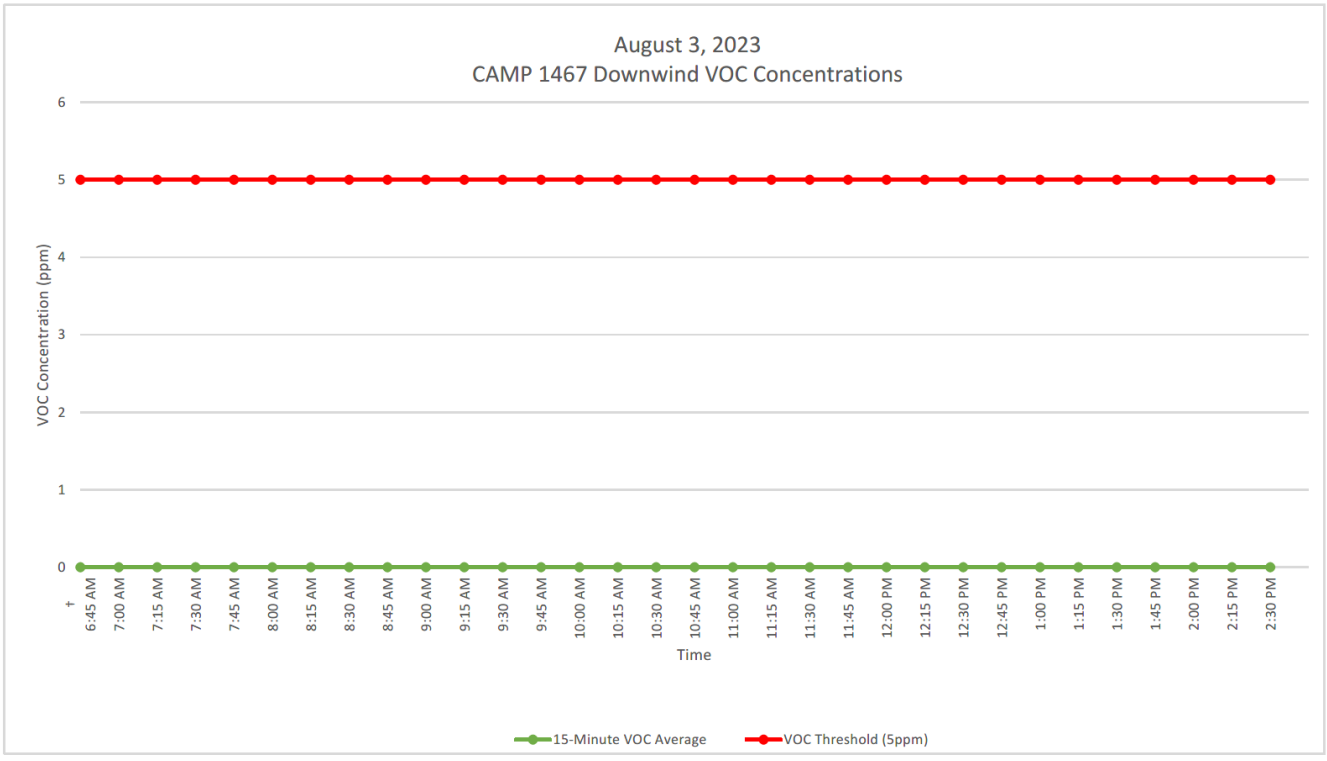


GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	38	760	25	500	63	1,260
Total	**38**	**760**	**55**	**1,100**	**93**	**1,860**

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	73.89°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	61.68°F
		MAX WIND SPEED	15 mph from SSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, August 4, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 8/4/2023

Work Location (Attachment A): Grid A1, A2, A3, B1, B2, B4, C4 and D2 and D3.

1. Loadout of stockpiled soil excavated from grids A2 (3-6ft bgs), A3 (0-6 feet bgs), B1 (3-6ft bgs) and B2 (3-6ft bgs). 31 truckloads of soil (approximately 620 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. Excavation of soil from grids A2, A3, B1 and B2 and stockpiling at grid B2.
3. J&A Concrete performed demolition of asphalt surface at grids B4 and C4 and stockpiled in grid B4.
4. J&A Concrete performed excavation at grids A1 and D3 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
5. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 20.63 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 25.33 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 31 truckloads of soil (approximately 620 cubic yards) were transported to Clean Earth of Carteret, New Jersey.

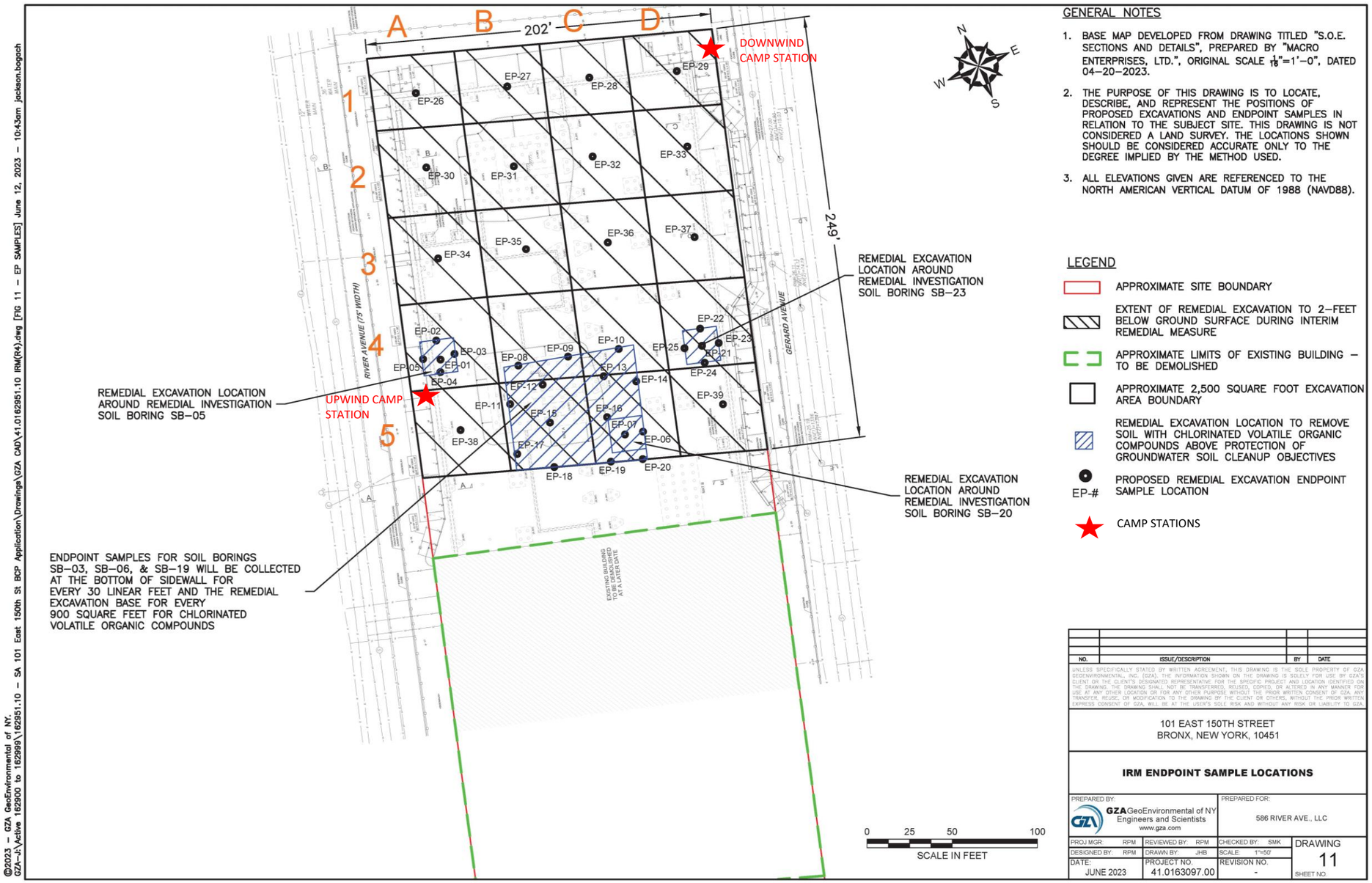
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southwest
Description: J&A loading soil from the grid B-2 stockpile for transport to Clean Earth of Carteret.		**Description:** J&A Concrete cleaning debris from trucks prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** North
Description: Project utilized **w**ater truck as dust suppression measure.		**Description:** Downwind CAMP station at the southwest corner of the Site.	

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

Photo No. 5	**Direction Photo Taken:** Northeast	**Photo No.** 6	**Direction Photo Taken** Southeast
Description: Excavation at grid D2 for installation of lagging wall.		**Description:** J&A loading stockpiling asphalt from grids B4 and C4.	
Photo No. 7	**Direction Photo Taken:** South	**Photo No.** 8	**Direction Photo Taken** Northeast
Description: Overview of excavated northwest portion of the site.		**Description:** Stockpile at grid D2 covered at end of day.	

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 4, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

PID 1: 0.0
PID 2: 0.0

Data Ram 1: 20.63
Data Ram 2: 18.90

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

101 E 150th St
Interim Remedial Measure
Air Monitoring Logs
August 4, 2023

CAMP 1780 Upwind CAMP Station			CAMP 1467 Downwind CAMP Station		
Time	Dust - 15 min Average (ug/m3)	VOCs - 15 min Average (ppm)	Time	Dust - 15 min Average (ug/m3)	VOCs - 15 min Average (ppm)
6:45 AM †	20.628	0.00	6:30 AM †	18.903	0.00
7:00 AM	18.541	0.00	6:45 AM	18.233	0.00
7:15 AM	19.065	0.00	7:00 AM	19.249	0.00
7:30 AM	19.663	0.00	7:15 AM	19.194	0.00
7:45 AM	19.131	0.00	7:30 AM	18.474	0.00
8:00 AM	19.749	0.00	7:45 AM	18.382	0.00
8:15 AM	20.248	0.00	8:00 AM	19.296	0.00
8:30 AM	21.459	0.00	8:15 AM	18.427	0.00
8:45 AM	23.841	0.03	8:30 AM	18.489	0.02
9:00 AM	23.431	0.00	8:45 AM	21.424	0.10
9:15 AM	20.420	0.00	9:00 AM	20.405	0.00
9:30 AM	20.708	0.00	9:15 AM	18.744	0.00
9:45 AM	20.685	0.00	9:30 AM	20.041	0.00
10:00 AM	22.100	0.00	9:45 AM	21.461	0.00
10:15 AM	23.257	0.00	10:00 AM	20.925	0.00
10:30 AM	22.058	0.00	10:15 AM	20.457	0.00
10:45 AM	20.494	0.03	10:30 AM	19.307	0.00
11:00 AM	21.519	0.00	10:45 AM	17.454	0.00
11:15 AM	21.506	0.00	11:00 AM	17.706	0.00
11:30 AM	23.167	0.00	11:15 AM	18.816	0.00
11:45 AM	22.001	0.00	11:30 AM	19.496	0.00
12:00 PM	20.982	0.00	11:45 AM	18.763	0.00
12:15 PM	20.207	0.00	12:00 PM	19.100	0.00
12:30 PM	21.883	0.00	12:15 PM	18.191	0.00
12:45 PM	22.402	0.00	12:30 PM	18.849	0.00
1:00 PM	21.788	0.00	12:45 PM	20.763	0.00
1:15 PM	23.390	0.00	1:00 PM	19.160	0.00
1:30 PM	24.061	0.00	1:15 PM	20.894	0.00
1:45 PM	25.326	0.00	1:30 PM	21.682	0.00
2:00 PM	24.192	0.00	1:45 PM	22.493	0.00
2:15 PM	23.753	0.00	2:00 PM	21.152	0.01
2:30 PM	23.839	0.00	2:15 PM	20.616	0.00
			2:30 PM	19.677	0.00

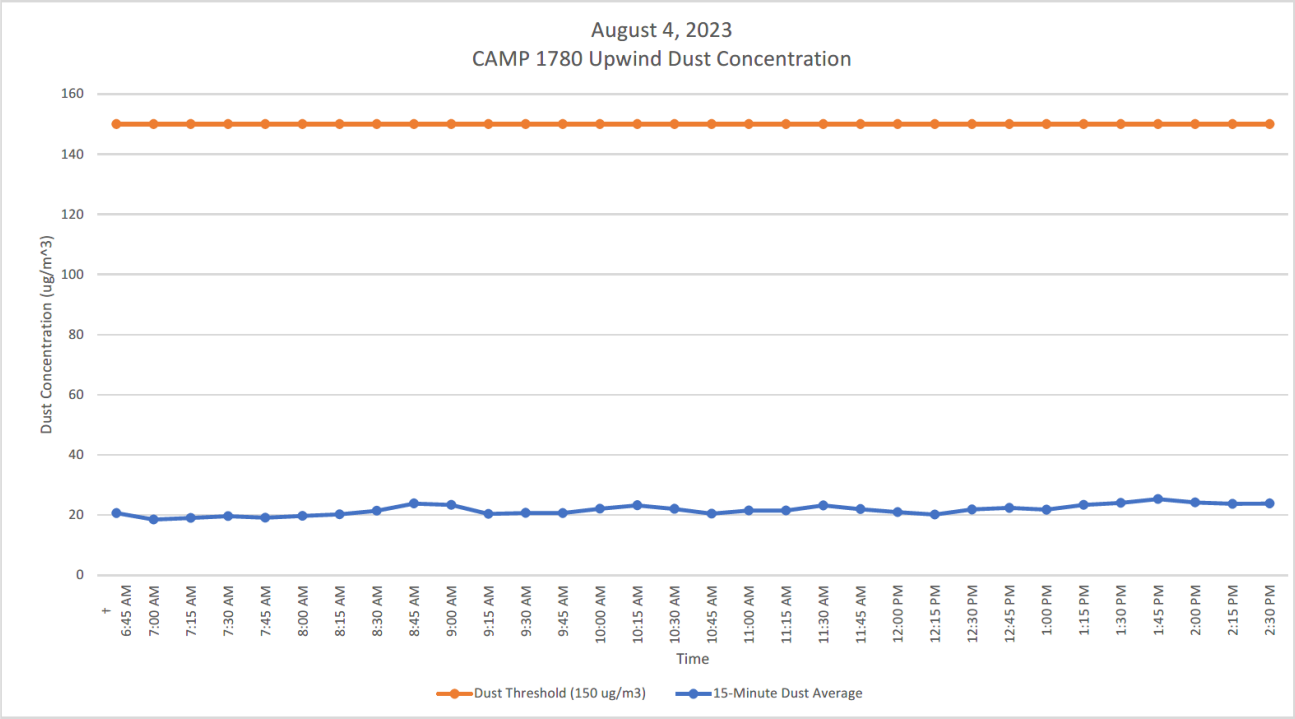
NOTE

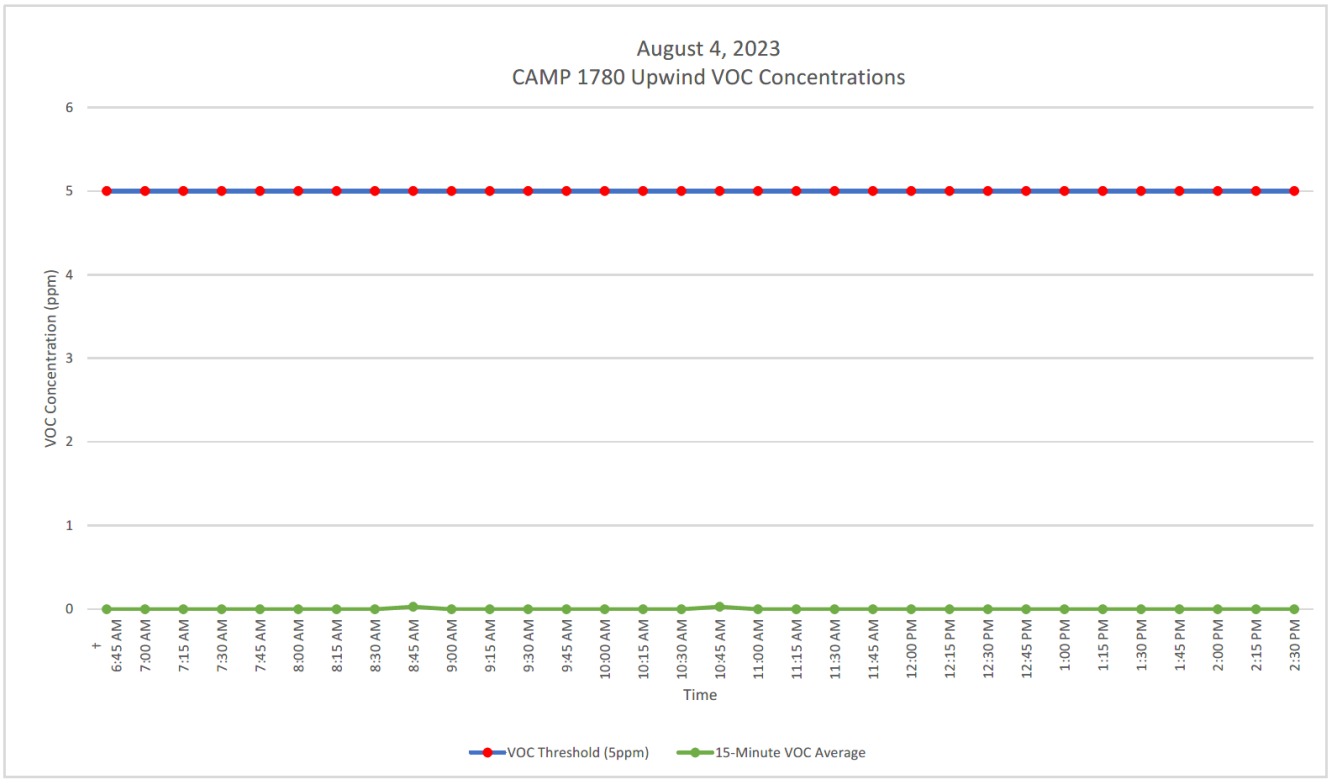
†: Not a 15-minute time weighted average.

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023

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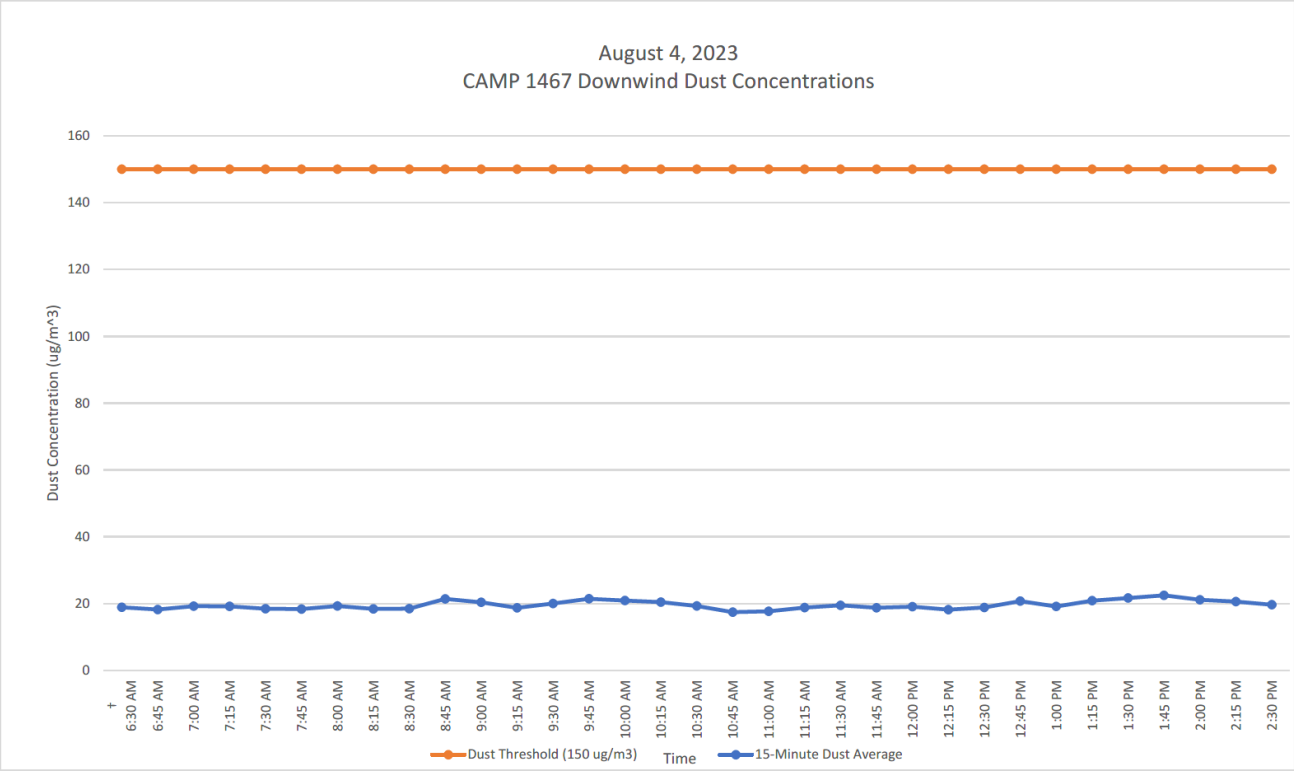
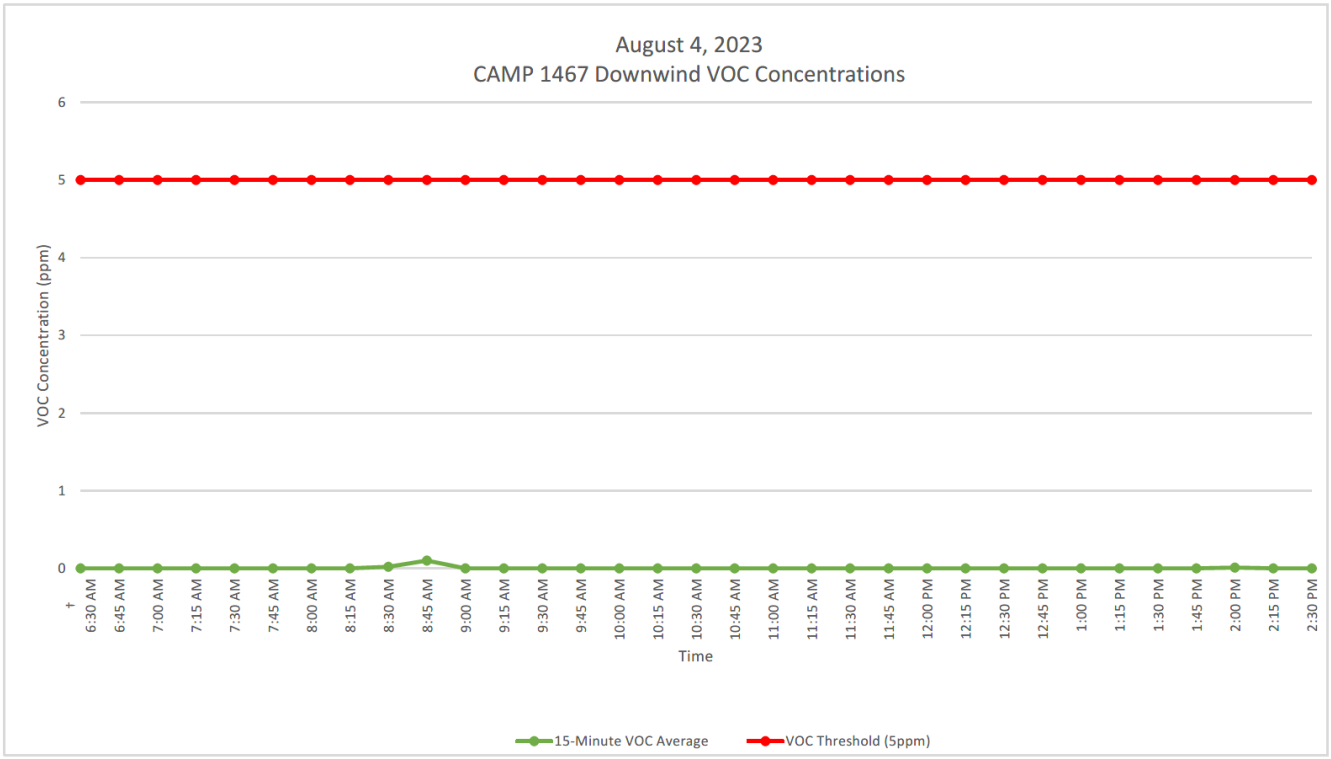




GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	31	620	31	620
Previous	38	760	55	1,100	93	1,860
Total	**38**	**760**	**86**	**1,720**	**124**	**2,480**

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast / Rain
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	75.75°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	69.38°F
		MAX WIND SPEED	22 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.90 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, August 7, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 8/7/2023

Work Location (Attachment A): Grid A1, A2, A3, B1, B2, C1, D1, D2, D3, and D4.

1. J&A Concrete performed excavation of soil from grids D1 and D2 and stockpiling at grid C1/C2.
2. J&A Concrete performed excavation at grids D1, D2, D3, and D4 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
3. Soil Solutions started Pile driving in grids A1 and A2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.06 ppm, Particulates: 22.48 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 24.06 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No excavated materials were transported offsite during this monitoring period.

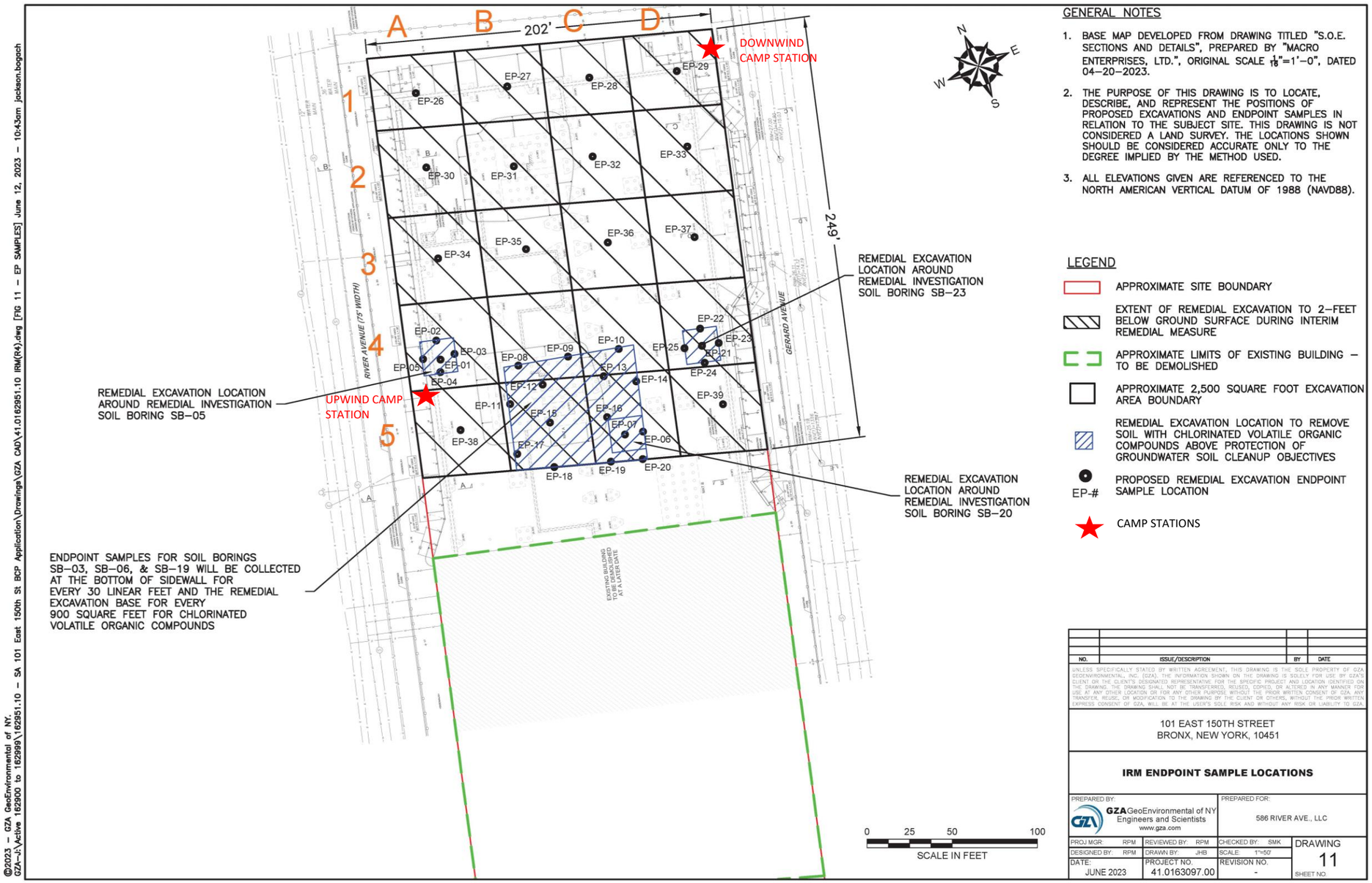
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. **1**	**Direction Photo Taken:** Southeast	**Photo No.** **2**	**Direction Photo Taken** Northeast
Description: J&A unloading piles that are being delivered to the Site.		**Description:** Soil Solutions performing pile driving in grids A1/A2.	
Photo No. **3**	**Direction Photo Taken:** East	**Photo No.** **4**	**Direction Photo Taken** North
Description: Minor excavation in grid D1 for shoring.		**Description:** stockpiling of soil in grid D1.	

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
5	Northwest	6	Northeast

Description: Soil Solutions performing pile driving throughout the day.

Description: Site at the end of the day being cleaned.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
7	South	8	Northeast

Description: Overview of the Site from the north overlooking piledriving area.

Description: Stockpile at grid D1 covered at end of day.

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 7, 2023	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

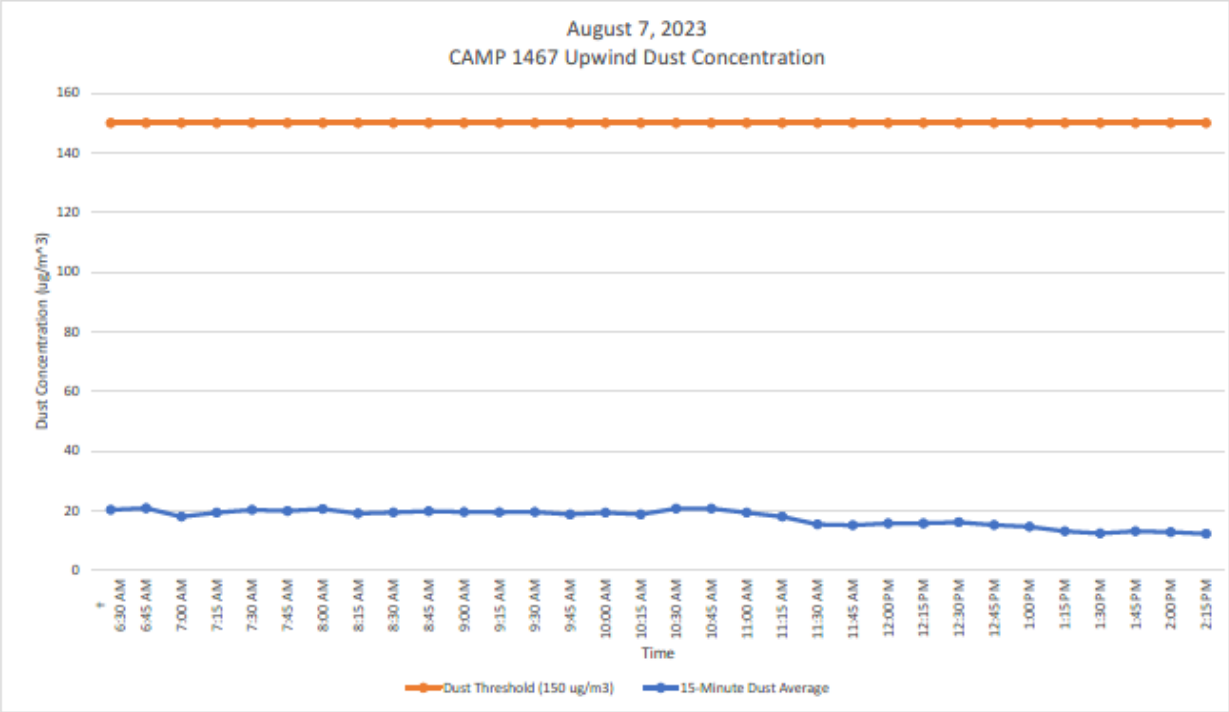
Background Readings:

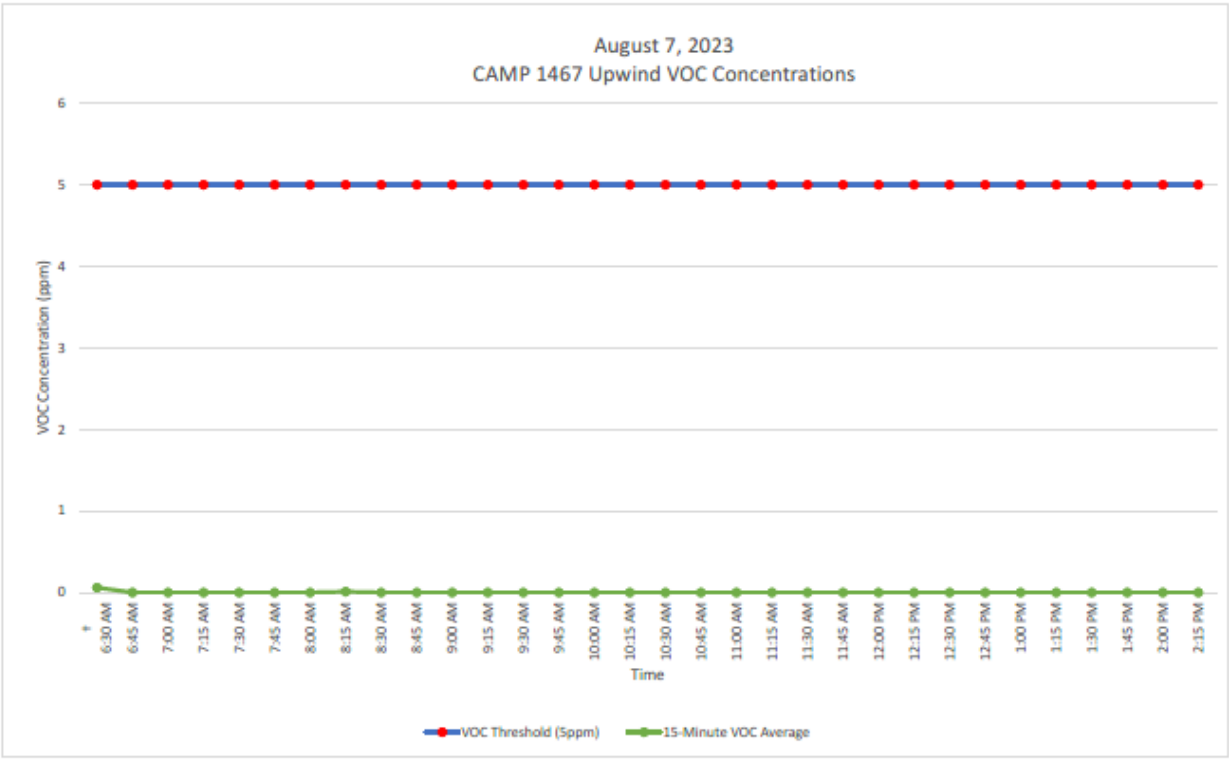
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 20.26
Data Ram 2: 22.48

GZA DAILY FIELD SUMMARY 11

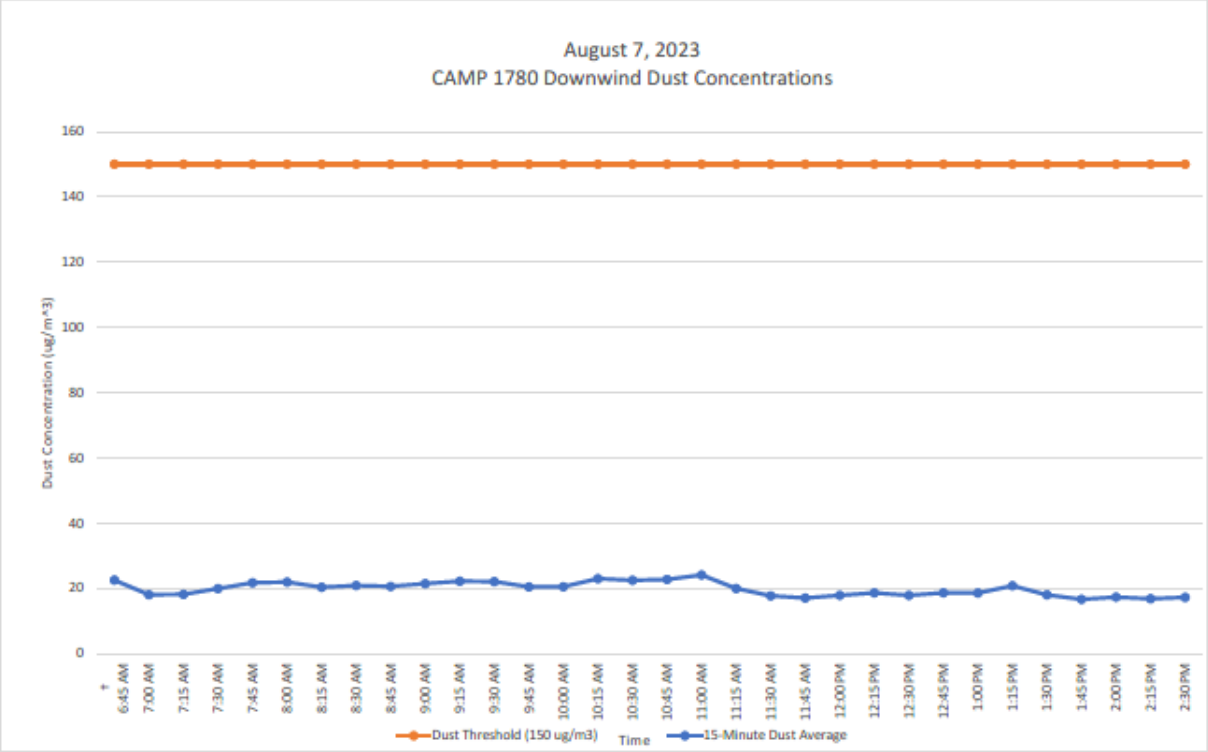
DATE: 8/7/2023
FILE NO: 41.0163097.00

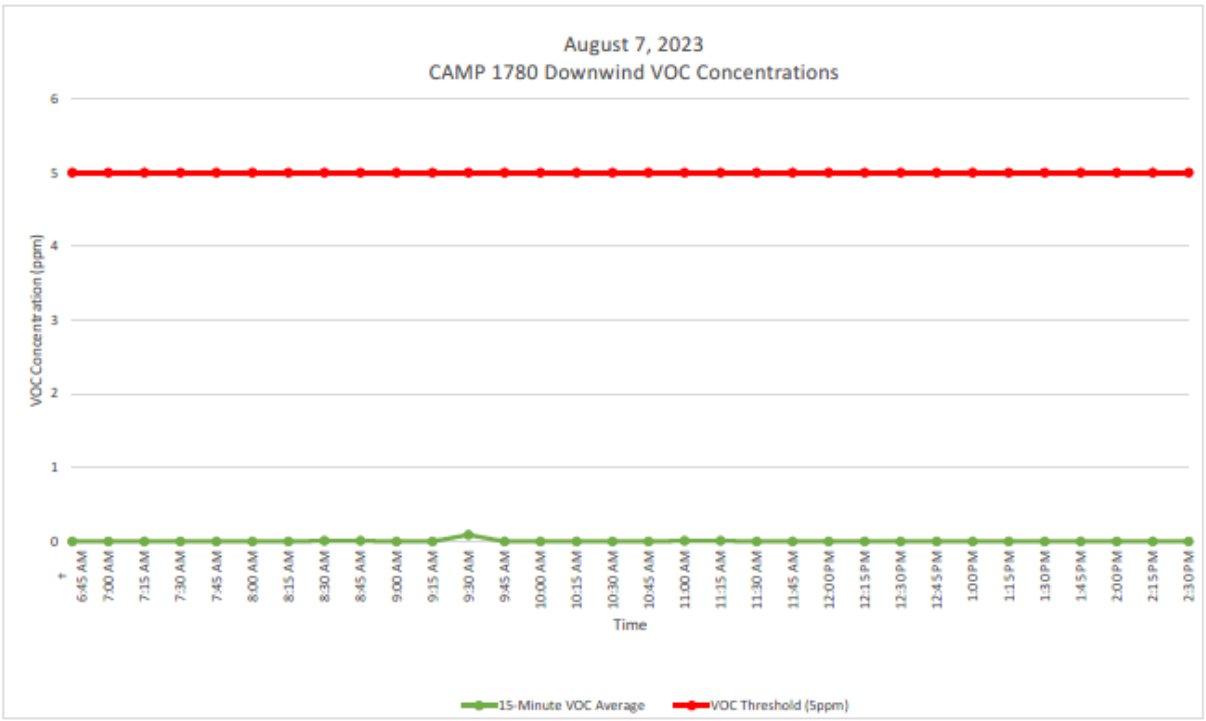




GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	38	760	86	1,720	124	2,480
Total	**38**	**760**	**86**	**1,720**	**124**	**2,480**

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast / Rain
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	75.54°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	64.07°F
		MAX WIND SPEED	25 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.17 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, August 8, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 8/8/2023

Work Location (Attachment A): Grid A1, A2, B1, B2, C1, D1, D2, D3, D4, and D5.

1. J&A Concrete loaded 30 truckloads (600 CY) of soil stockpiled from grids C1, C2, D1, and D2 and transported to Clean Earth, Carteret NJ.
2. J&A Concrete performed excavation at grids D3, D4, and D5 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
3. Soil Solutions continued Pile driving in grids A1 and A2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.63 ug/m^3
High Conditions – PID: 2.37 ppm, Particulates: 11.57 ug/m^3

High PID reading was due to calibration of CAMPs.
Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No excavated materials were transported offsite during this monitoring period.

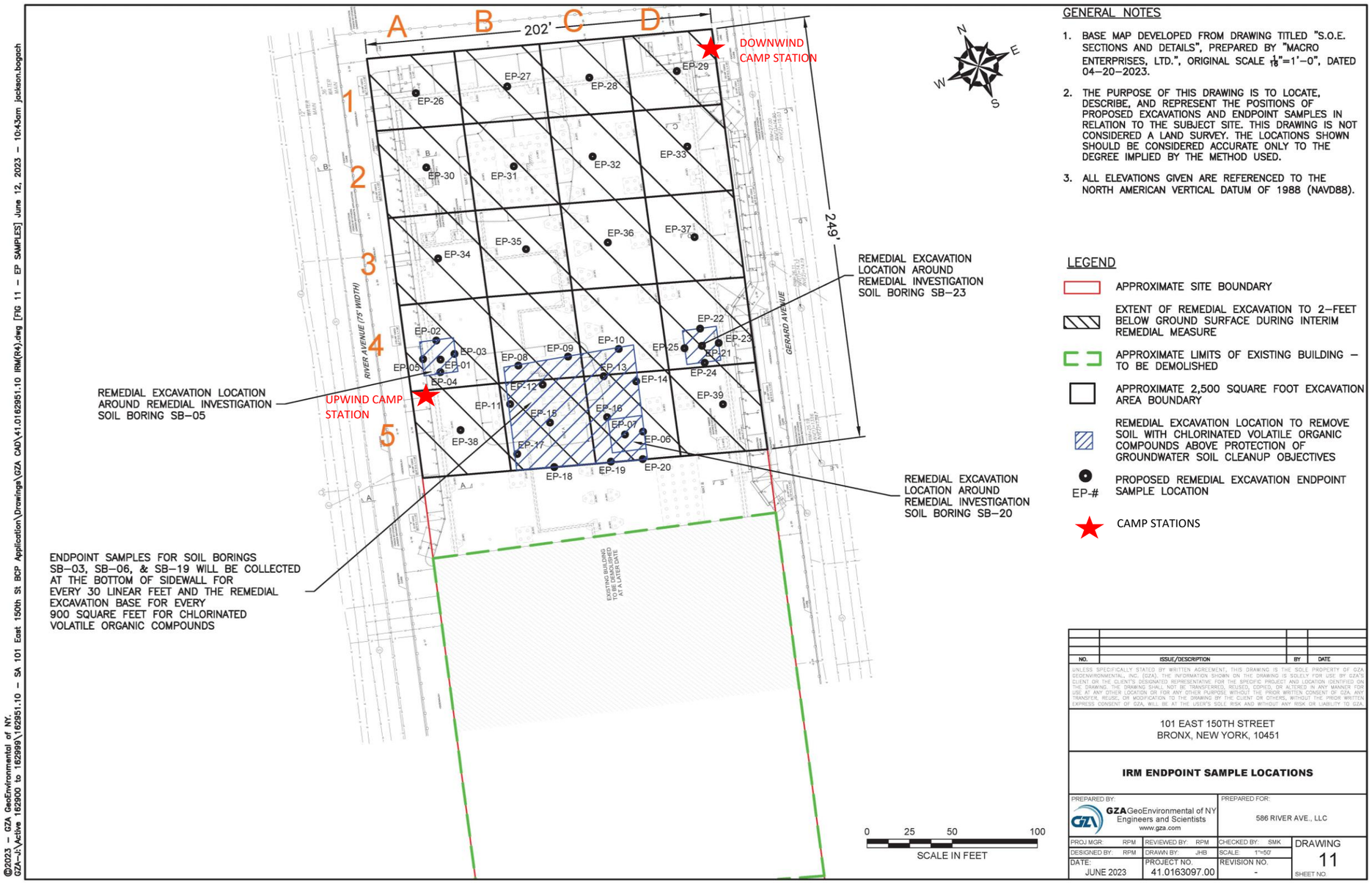
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southwest	**Photo No.** 2	**Direction Photo Taken** Northeast
Description: Site at the beginning of the day, stockpile being uncovered.		**Description:** J&A Concrete loading trucks with stockpiled soil from grids C1, C2, D1, and D2.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No.** 4	**Direction Photo Taken** North
Description: Soil Solutions performing pile driving in grids A1/A2.		**Description:** J&A Concrete cleaning tires of trucks before heading offsite.	

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

Photo No. 5	**Direction Photo Taken:** Northeast	**Photo No.** 6	**Direction Photo Taken** Southwest
Description: Continued soil load out throughout the day.		**Description:** Excavation continues. Downwind CAMP station shown in the foreground.	

Photo No. 7	**Direction Photo Taken:** Southeast	**Photo No.** 8	**Direction Photo Taken** Northeast
Description: Overview of the Site from the north overlooking piledriving area.		**Description:** Stockpile soils covered at end of day.	

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 8, 2023	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☒ YES ☐ NO
2 ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

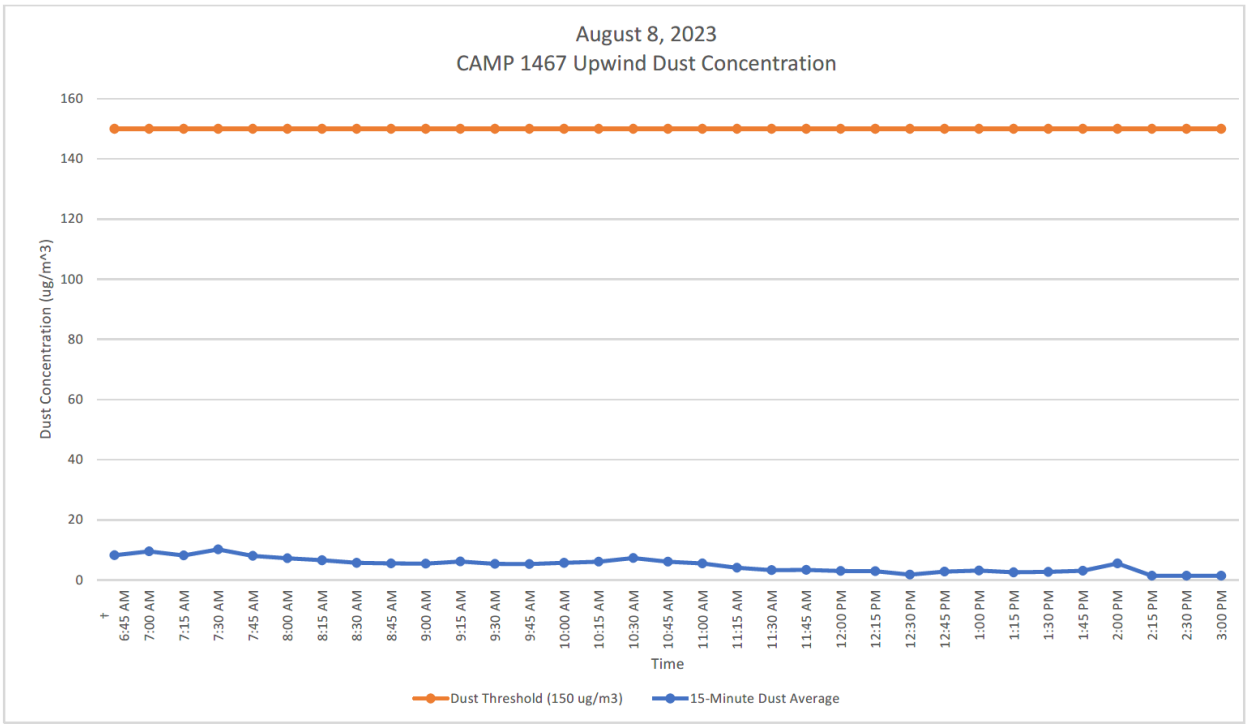
PID 1: 0.0
PID 2: 0.0

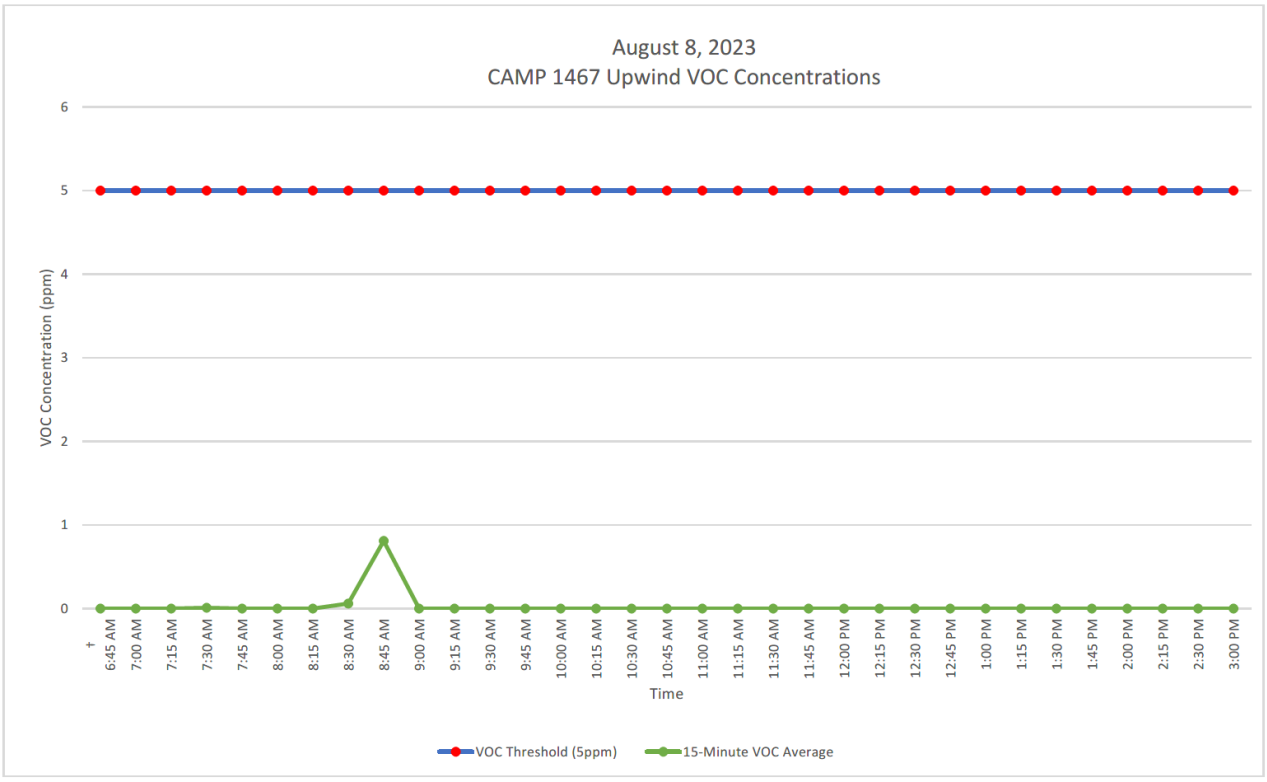
Data Ram 1: 8.26
Data Ram 2: 9.63

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023

FILE NO: 41.0163097.00

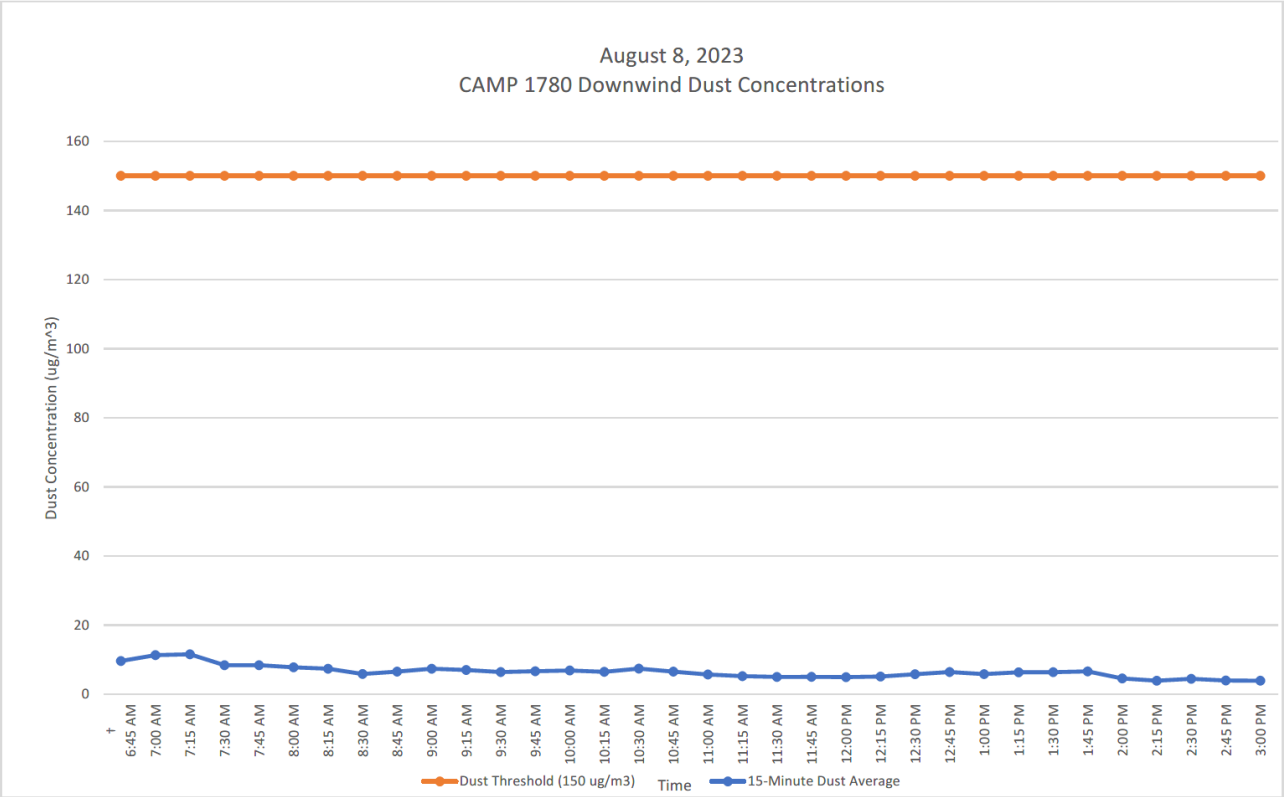


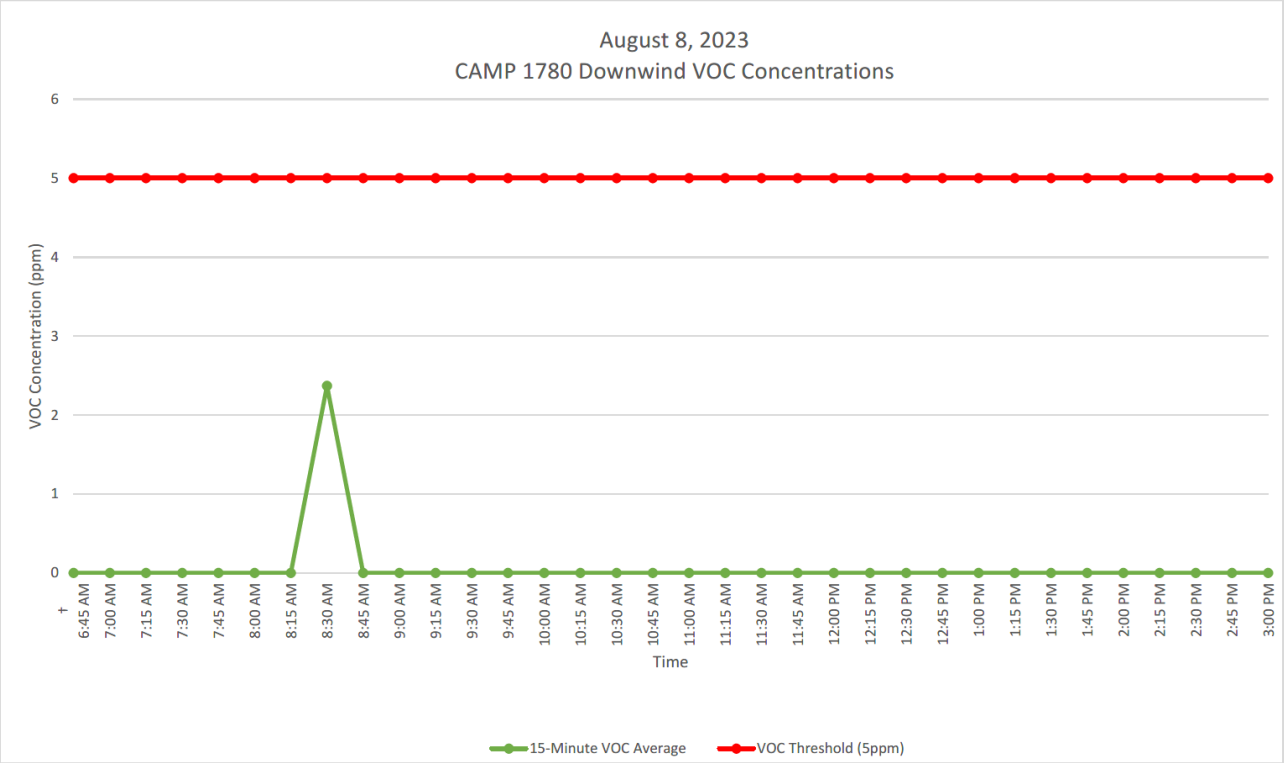


GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	38	760	86	1,720	124	2,480
Total	**38**	**760**	**116**	**2,320**	**154**	**3,080**

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Sunny
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	78.59°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	56.27°F
		MAX WIND SPEED	20 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, August 9, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 8/9/2023

Work Location (Attachment A): Grid A1, A2, A3, B1, B2, C1, C2, D1, D2, D3, D4, and D5.

1. J&A Concrete excavated at grids D1, D2, C1, and C2 and stockpiled in D1/D2 for soil export tomorrow.
2. J&A Concrete excavated at grids D3, D4, and D5 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
3. Soil Solutions continued Pile driving in grids A1, A2, A3.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 11.41 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 19.57 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No excavated materials were transported offsite during this monitoring period.

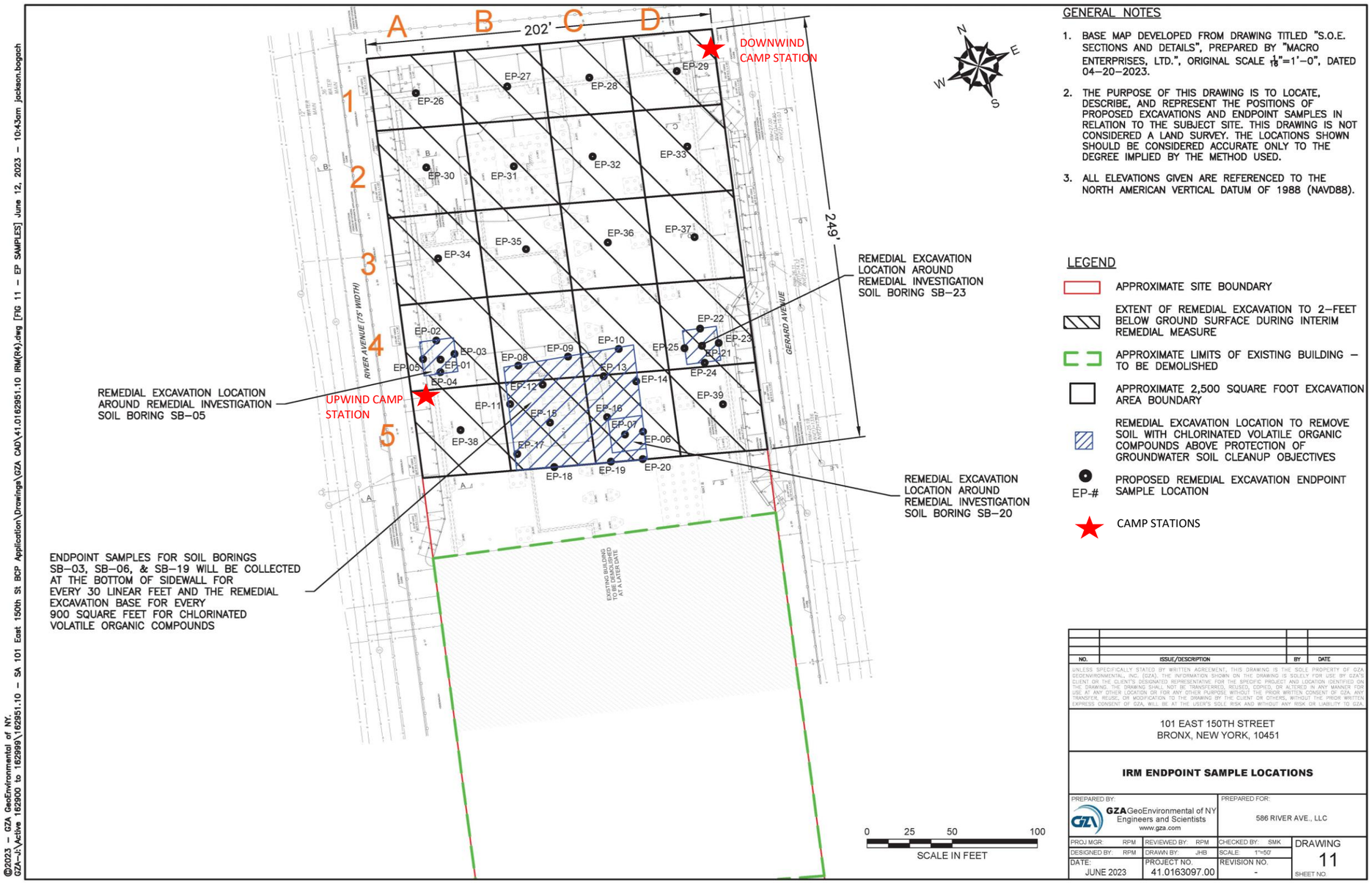
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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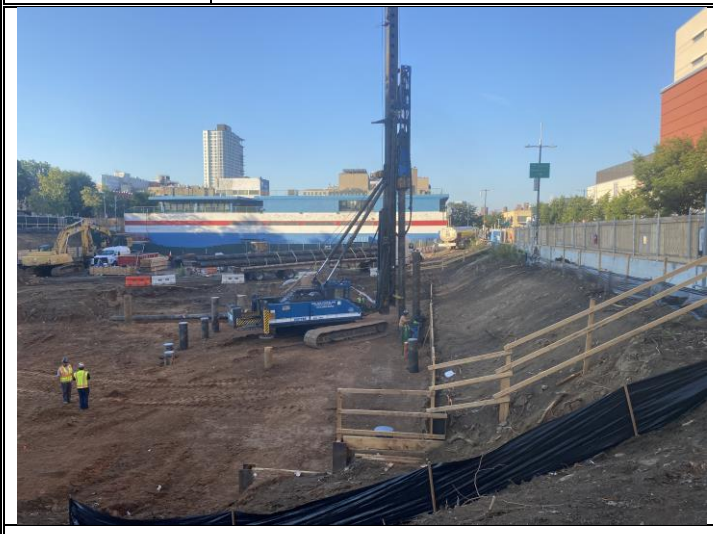
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Site at the beginning of the day.		**Description:** J&A Concrete excavating in grids C1, C2, D1, and D2, soil being stockpiled in Grid D1/D2.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No.** 4	**Direction Photo Taken** East
			
Description: Soil Solutions performing pile driving in grids A2/A3.		**Description:** Stockpiles being covered at the end of the day.	

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 9, 2023	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:
1 ☒ Data
2 ☒ Data

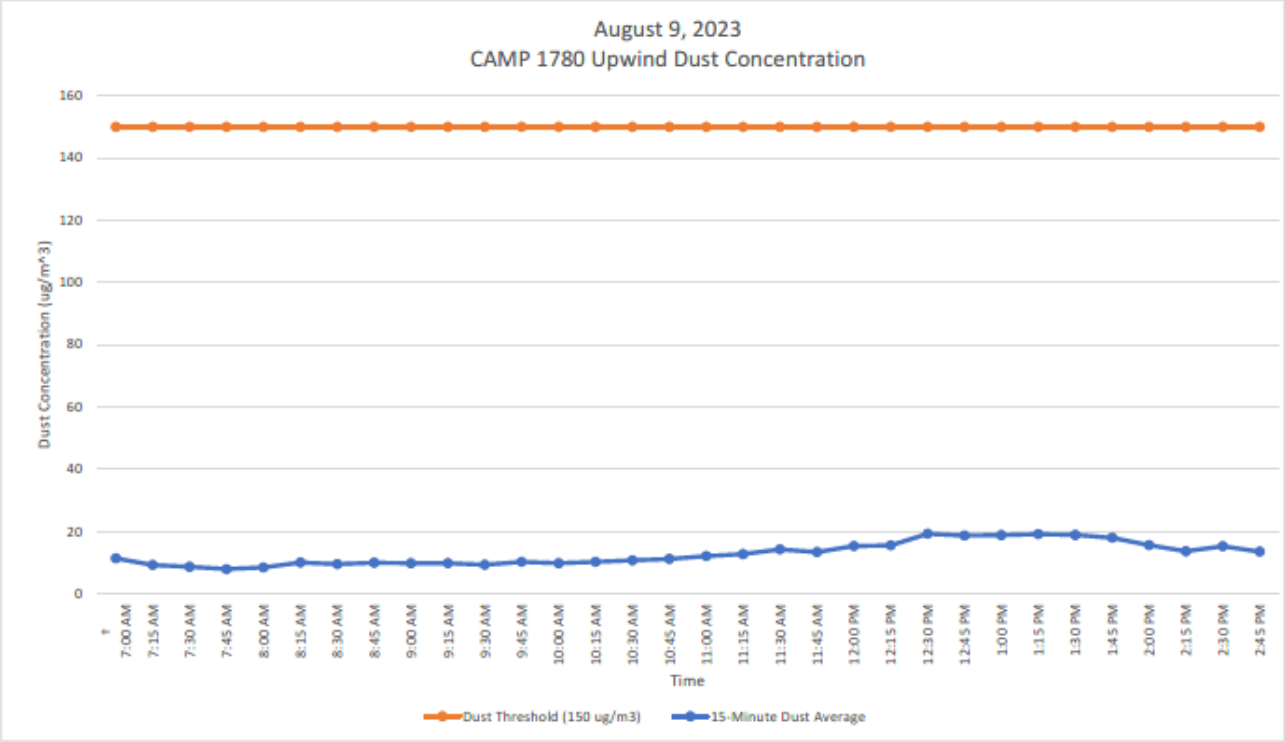
Weather Station: ☐ YES

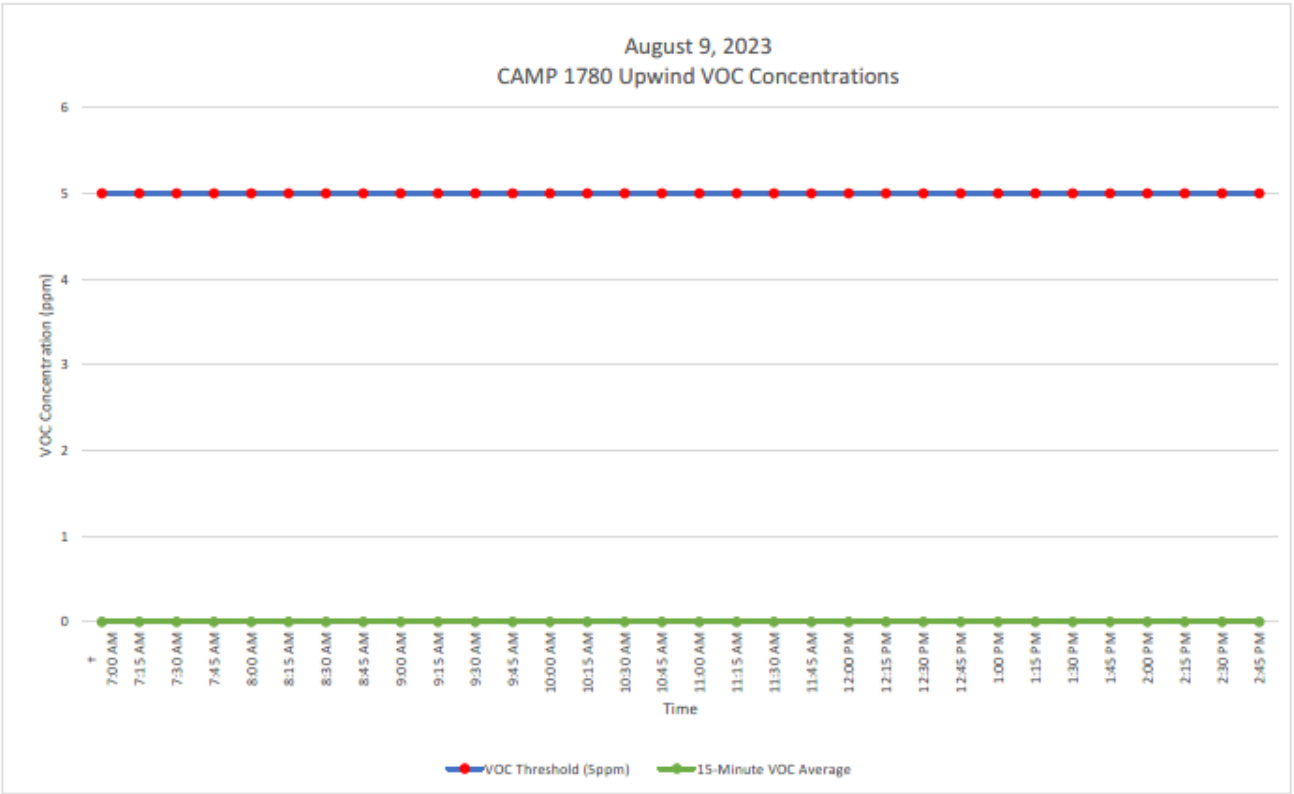
Background Readings:
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 7.09
Data Ram 2: 11.41

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

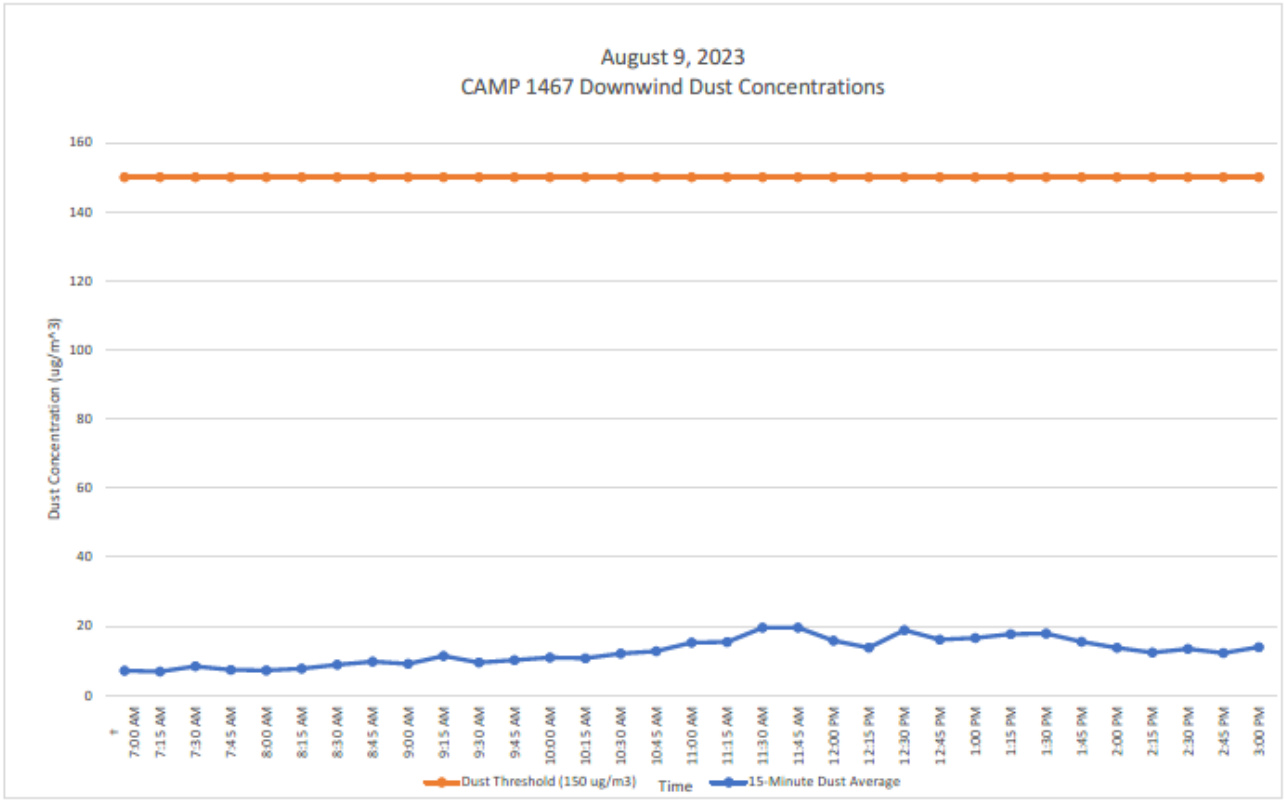


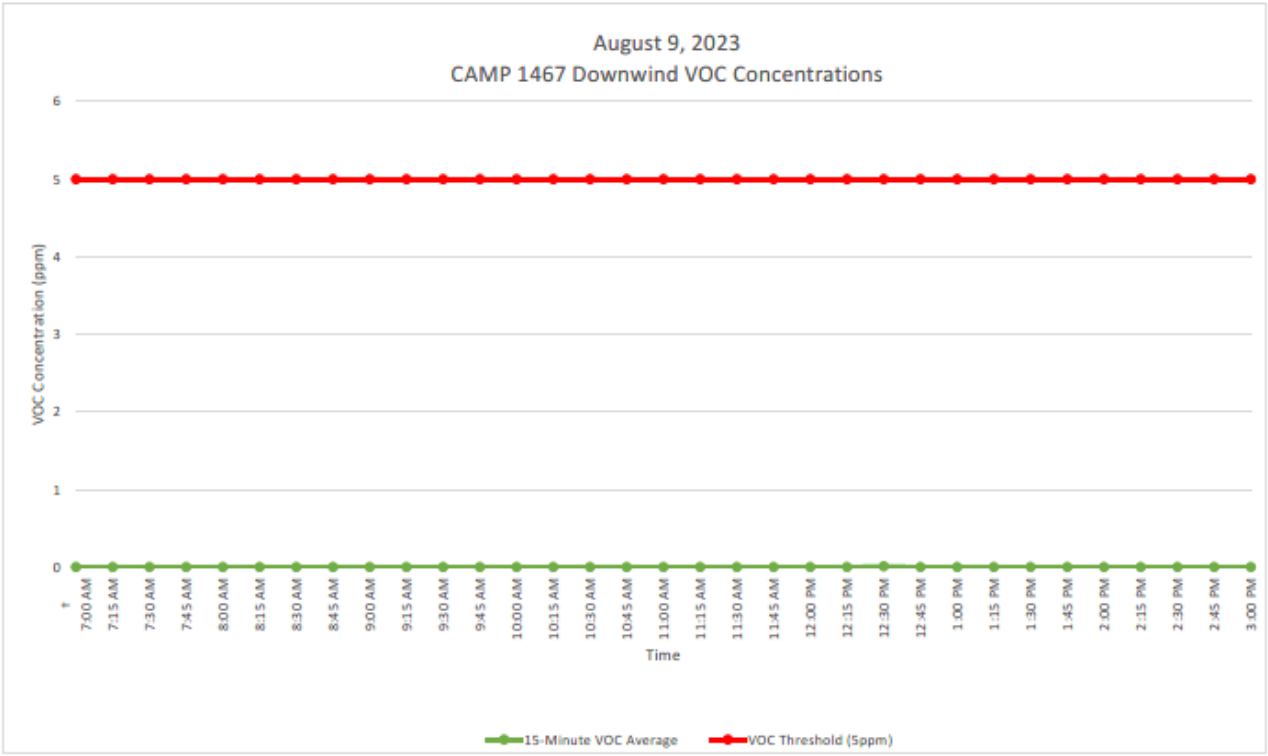


GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	38	760	116	2,320	154	3,080
Total	**38**	**760**	**116**	**2,320**	**154**	**3,080**

GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast/Rain
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	74.08°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	66.15°F
		MAX WIND SPEED	14 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, August 10, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 8/10/2023

Work Location (Attachment A): Grid A1, A2, A3, A5, B1, B2, B5, C1, C2, C5, D1, D2, D3, D4, and D5.

1. J&A Concrete loaded 15 truckloads of soil to PPark from Grid C1 and D1 (3-6'), and 15 truckloads of soil to Clean Earth from Grids C1, C2, D1, and D2 (0-3')
2. J&A Concrete performed excavation at grids D3, D4, and D5 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
3. Soil Solutions continued Pile driving in grids A1, A2, A3, A5, B5, and C5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 11.90 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 25.45 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 15 trucks of excavated materials were transported offsite to PPark,, Prospect Park, NJ and 15 trucks of excavated materials were transported offsite to Clean Earth, Carteret NJ during this monitoring period.

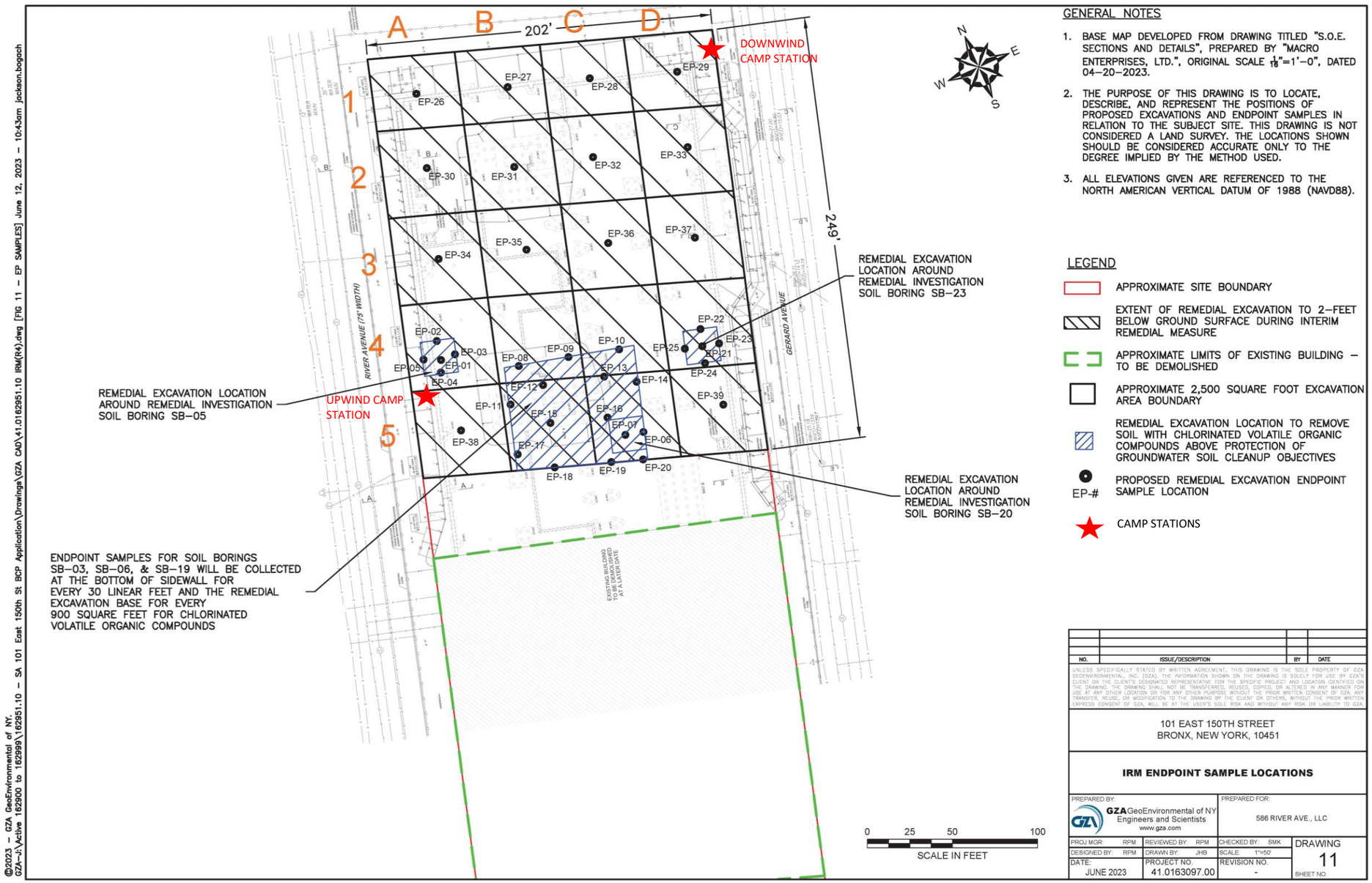
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK		DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'		SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -		

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Site at the beginning of the day.		**Description:** J&A Concrete loading up tucks with soil to be brought to either PPark or Clean Earth.	
Photo No. 3	**Direction Photo Taken:** North	**Photo No.** 4	**Direction Photo Taken** East
Description: J&A Concrete spraying down tires of trucks to reduce off site tracking of soils.		**Description:** Stockpiles being covered at the end of the day.	

GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 10, 202	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

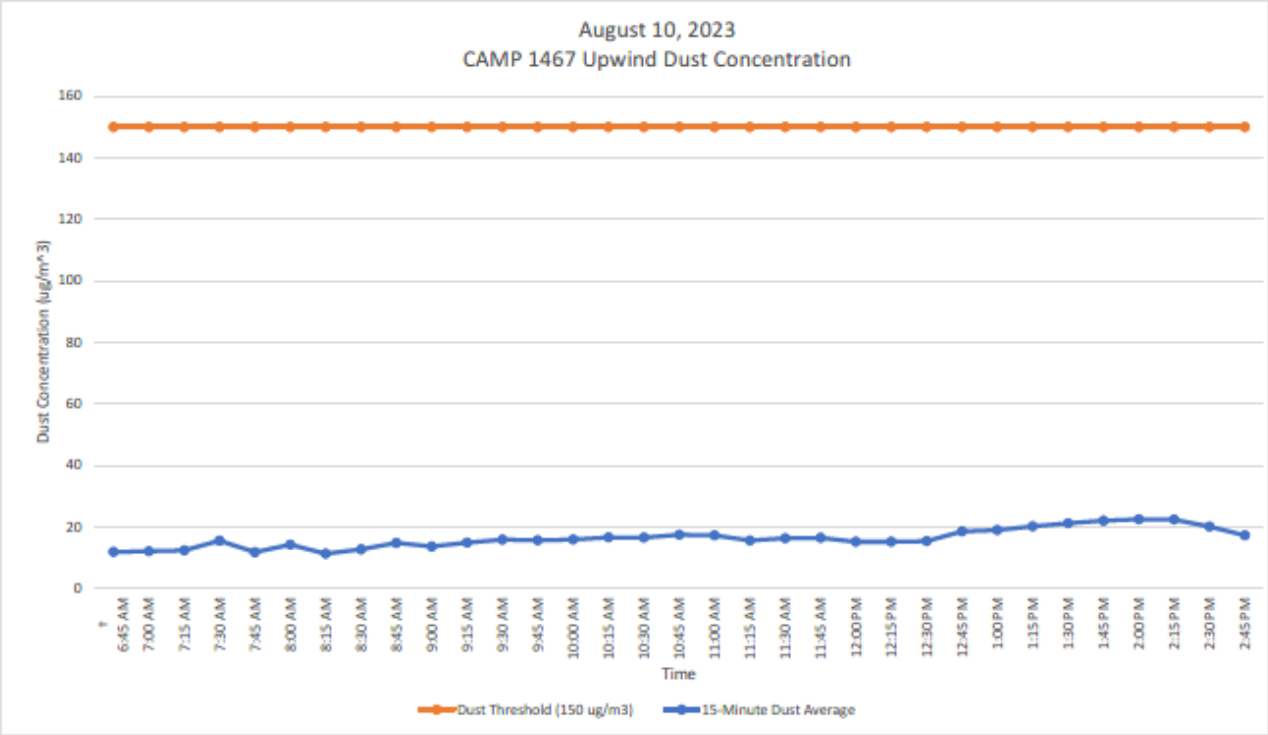
Background Readings:

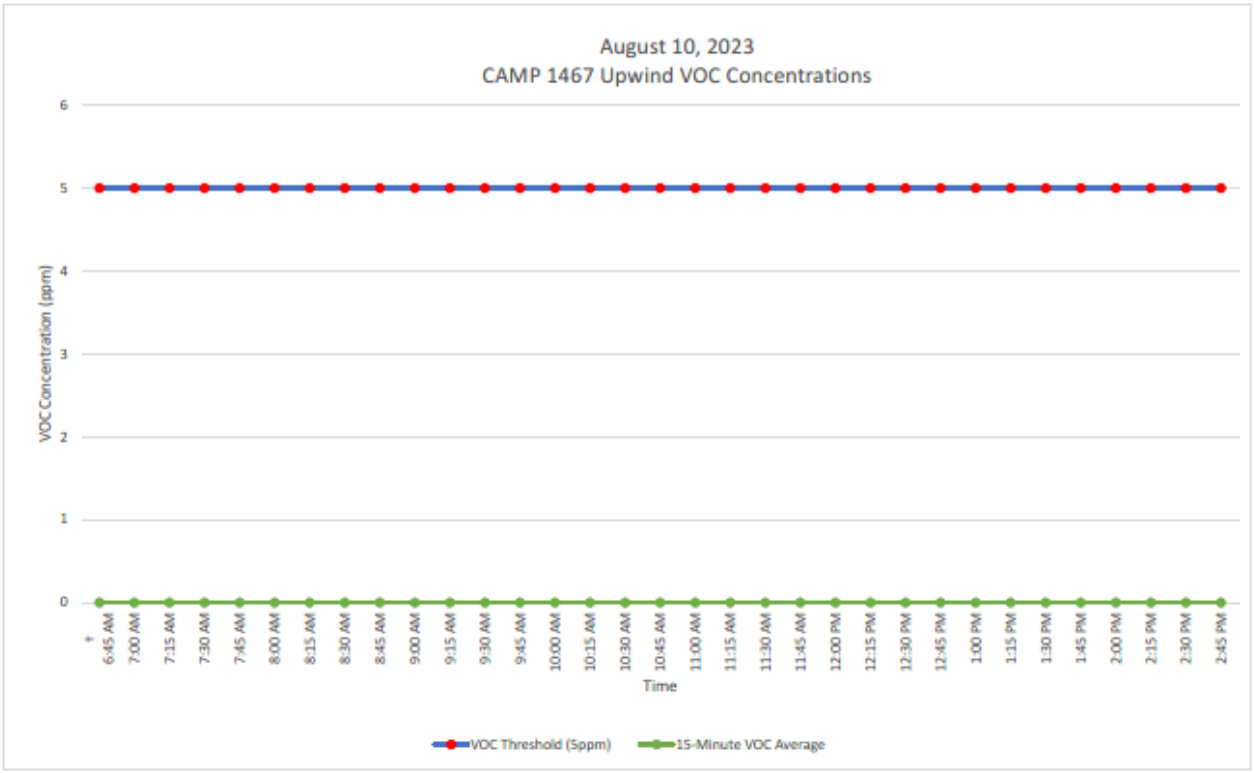
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 11.90
Data Ram 2: 10.90

GZA DAILY FIELD SUMMARY 14

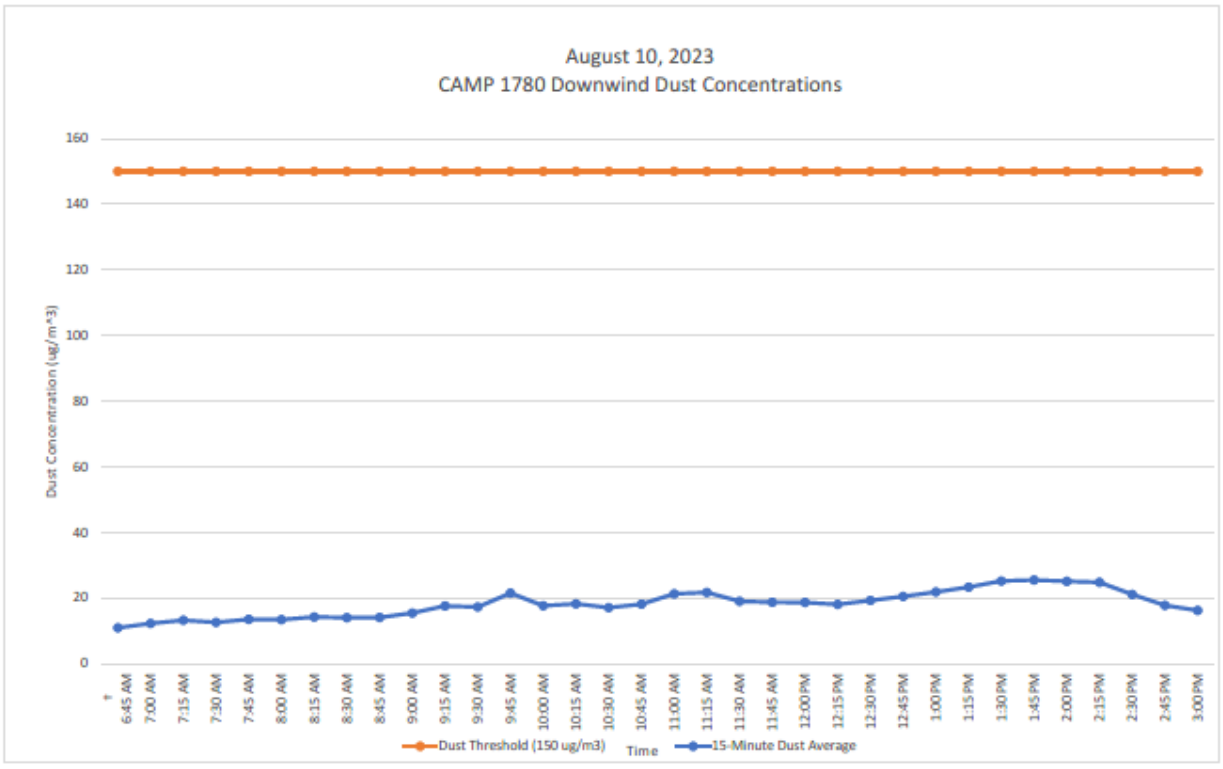
DATE: 8/10/2023
FILE NO: 41.0163097.00

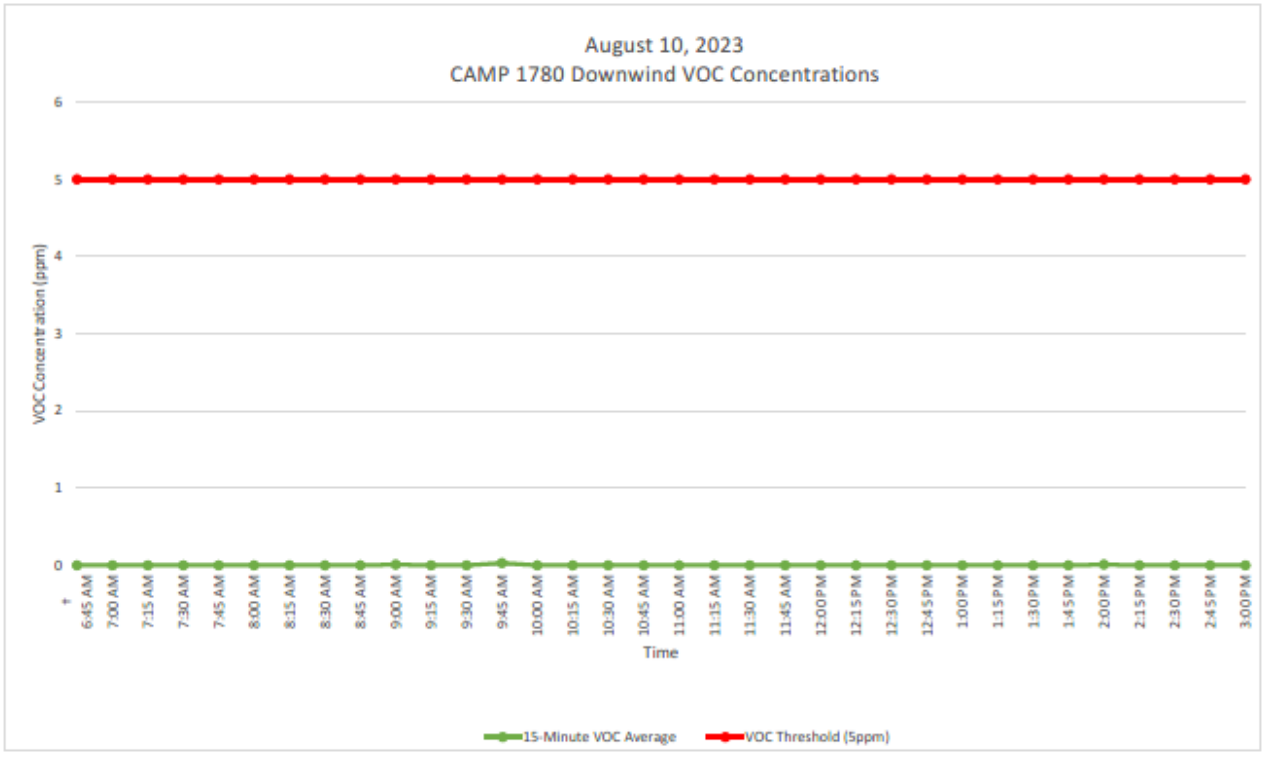




GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	15	300	15	300	30	600
Previous	38	760	116	2,320	154	3,080
Total	**53**	**1060**	**131**	**2,620**	**184**	**3,680**

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Sunny
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	77.67°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	60.75°F
		MAX WIND SPEED	15 mph from WW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.49 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, August 11, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 8/11/2023

Work Location (Attachment A): Grid A1, A2, A3, A5, B1, B2, B3, B5, C1, C2, C5, D1, D2, D3, D4, and D5.

1. J&A Concrete loaded 30 truckloads of material to Clean Earth, Carteret from Grids A2, A3, B2, B3, C2, and D2 (0-6')
2. J&A Concrete performed excavation at grids D3, D4, and D5 for installation of lagging wall.
3. Soil Solutions continued Pile driving in grids C1, C2, and D1.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator (taken off site today)

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.06 ppm, Particulates: 16.76 ug/m^3
High Conditions – PID: 0.06 ppm, Particulates: 20.28 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 30 trucks of excavated materials were transported offsite to Clean Earth, Carteret, NJ during this monitoring period.

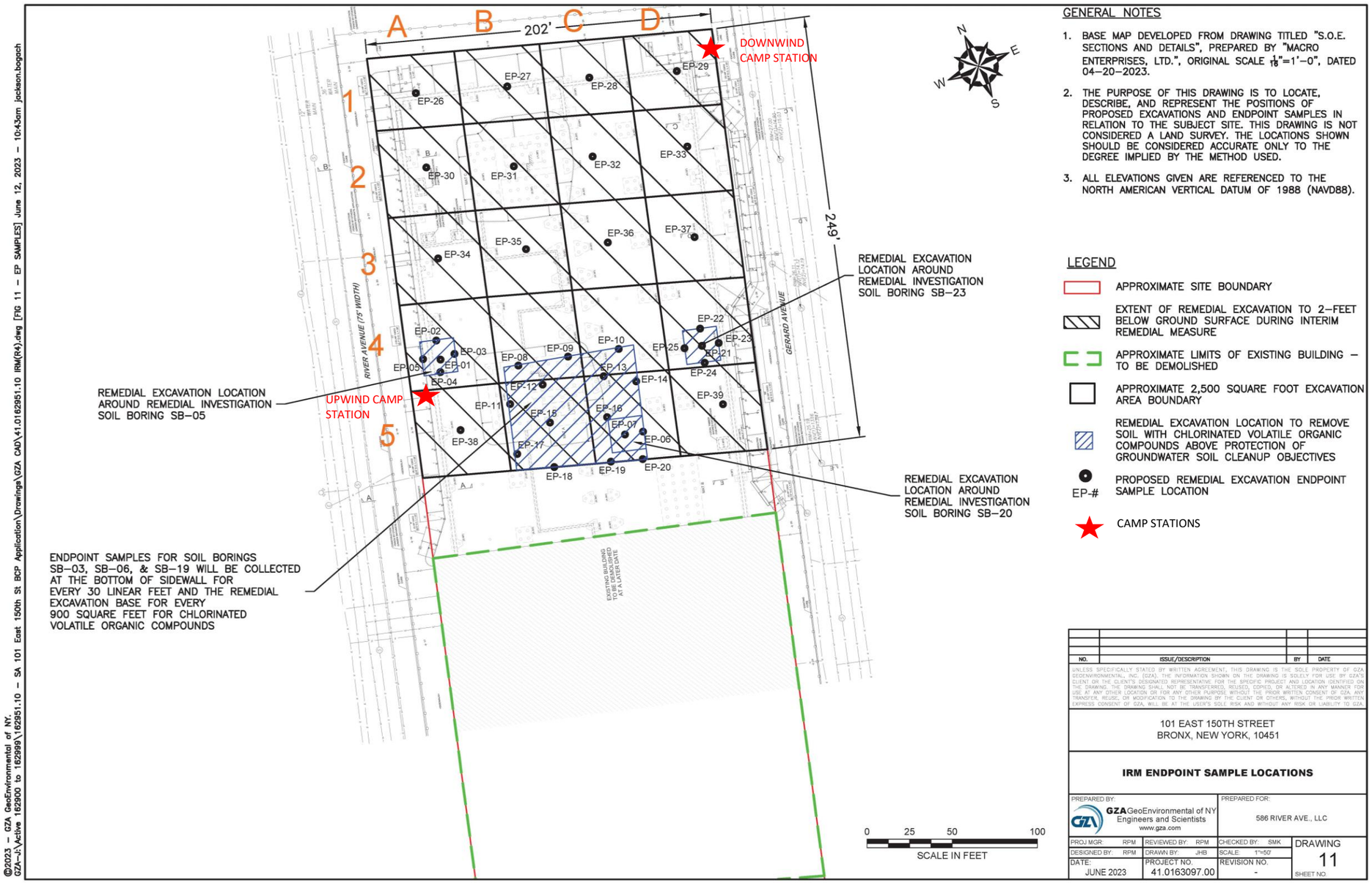
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** East
Description: Water being sprayed around the site to reduce dust levels.		**Description:** J&A Concrete loading up tucks with soil to be brought to Clean Earth.	
Photo No. 3	**Direction Photo Taken:** North	**Photo No.** 4	**Direction Photo Taken** East
Description: J&A Concrete spraying down tires of trucks to reduce off site tracking of soils.		**Description:** Site at the end of the day.	

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 11, 2023	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

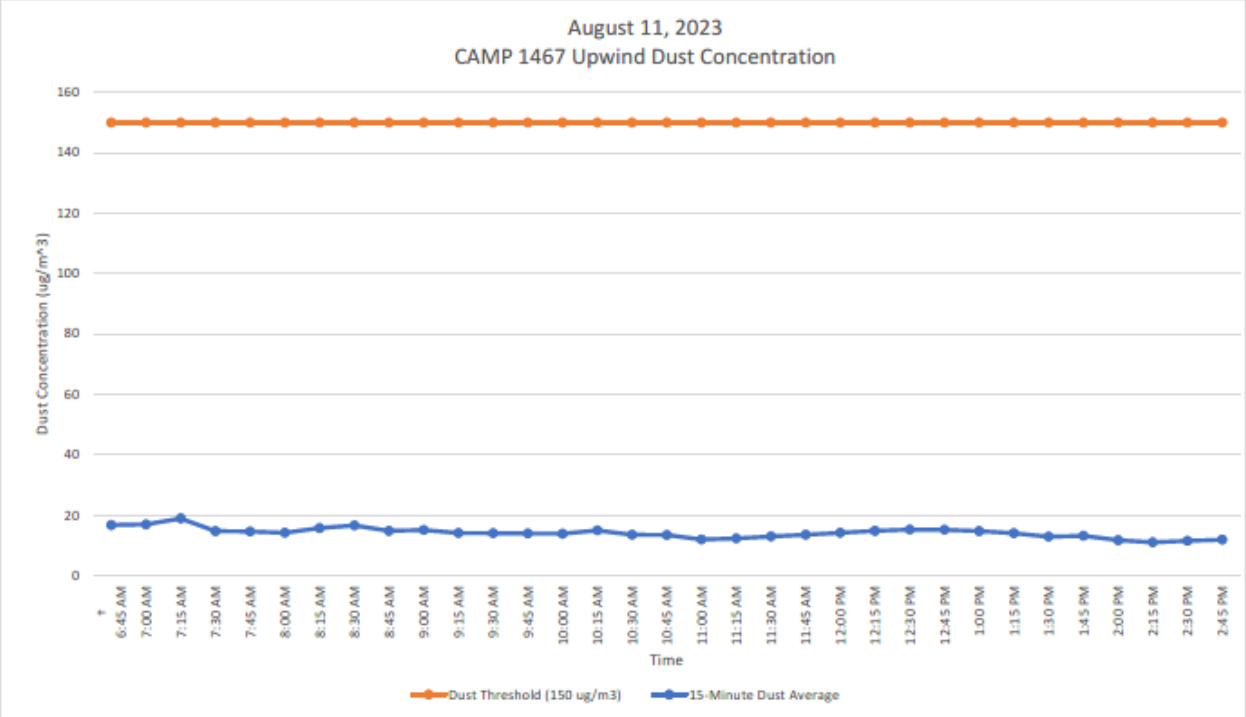
PID 1: 0.0
PID 2: 0.0

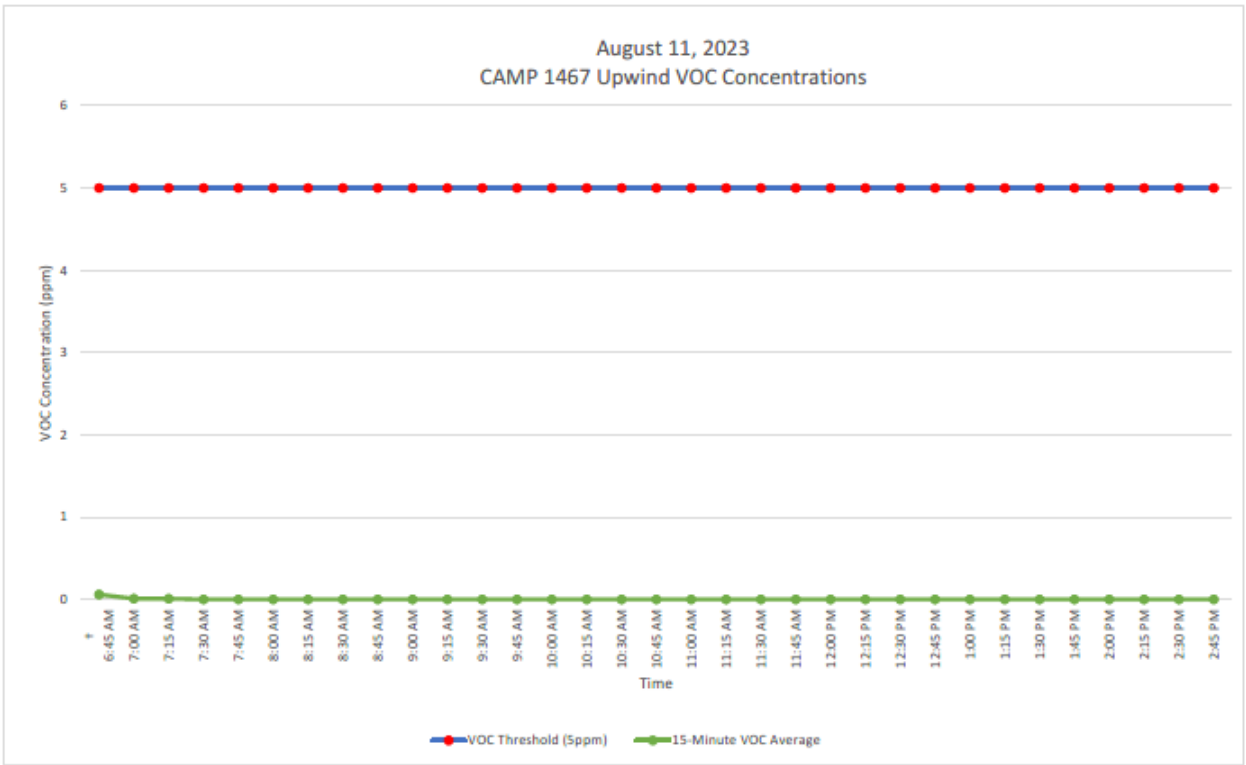
Data Ram 1: 16.76
Data Ram 2: 14.20

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023

FILE NO: 41.0163097.00

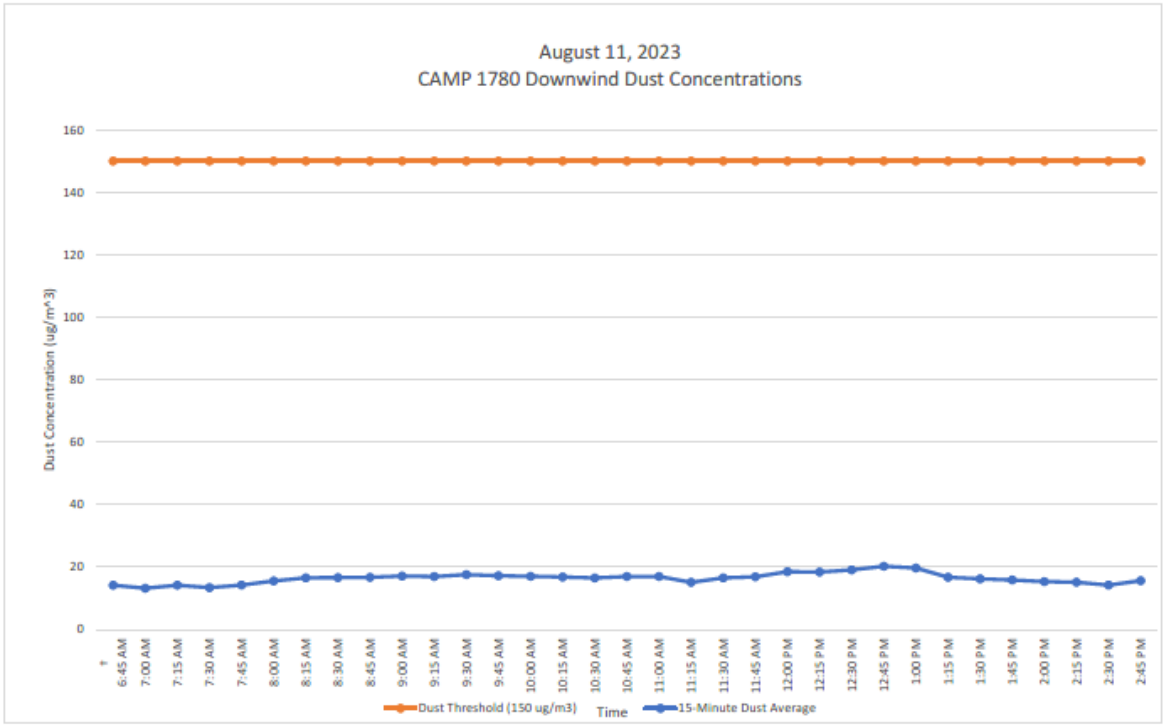


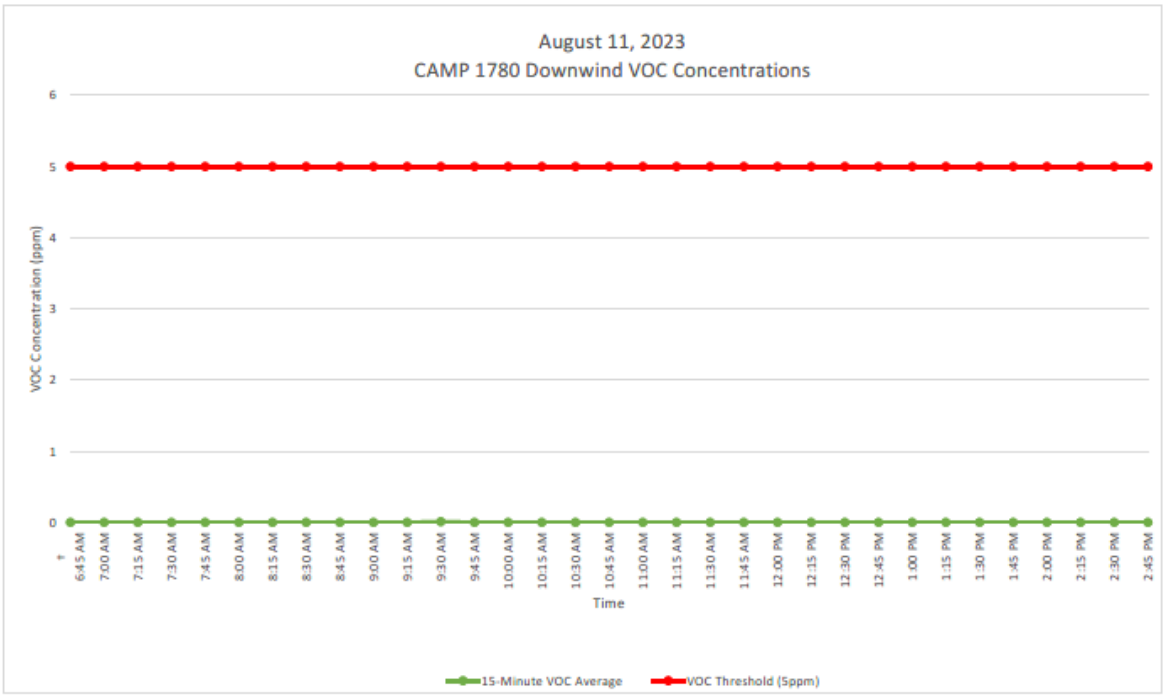


GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	53	1060	131	2,620	184	3,680
Total	**53**	**1060**	**161**	**3,220**	**214**	**4,280**

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	78.64°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	61.07°F
		MAX WIND SPEED	7 mph from SSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, August 14, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	Macro Enterprises	
SITE VISITORS:	**Success Academy**	
	Richard Gladstone	

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 8/14/2023

Work Location (Attachment A): Grid A3, B2, B3, C1, C3, D2, D3, D4, and D5.

1. Soil Solutions continued Pile driving in grids A3, B2, B3, C1, and C3.
2. Macro Enterprises installed tiebacks in grids D2, D3, and D4.
3. J&A Concrete performed excavation at grids C3 and D1 for installation of piles. Excavated soils were stockpiled at grid D2.
4. J&A Concrete performed excavation along the eastern boundary of grids D4 and D5 for installation of tiebacks. Excavated soils were stockpiled along the western boundary of grids D4 and D5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 7.15 ug/m^3
High Conditions – PID: 2.99 ppm, Particulates: 10.19 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

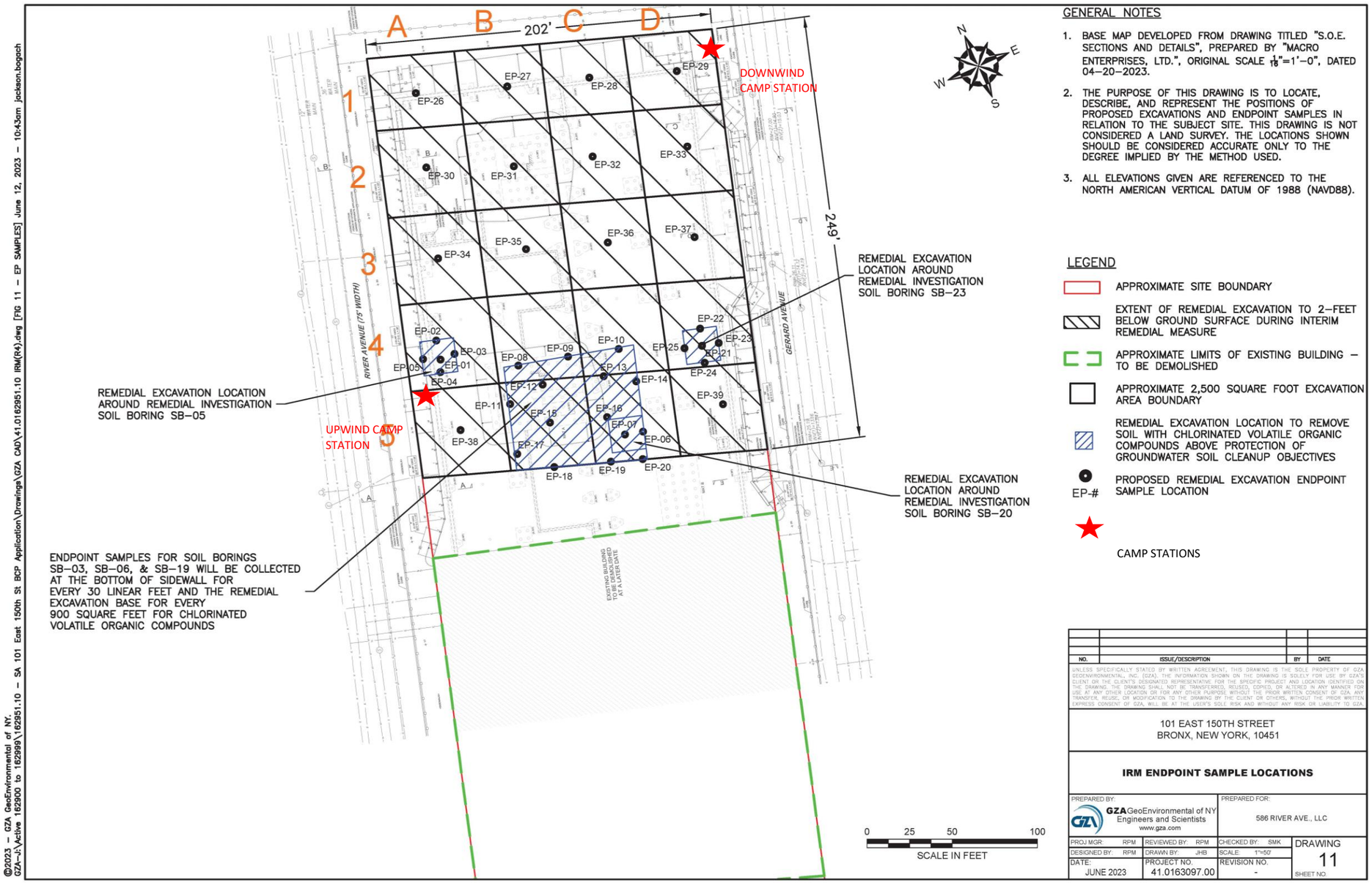
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

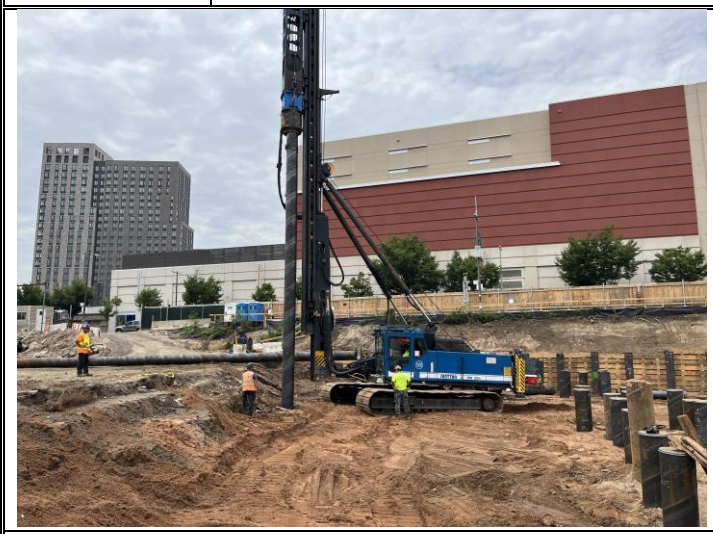
PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** West	**Photo No.** 2	**Direction Photo Taken** South
			
Description: Soil Solution driving pile at grid B-3.		**Description:** Downwind CAMP station at the northeast corner of the Site.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** East
Description: Installation of tiebacks at grid D-2.		**Description:** Stockpiles being covered at the end of the day.	

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 14, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 Air Logics CAMP Station (1780– Downwind) with remote telemetry system

Station 2 Air Logics CAMP Station (1467– Upwind) with remote telemetry system

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 10 ppm
1 ☒ YES ☐ NO
2 ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

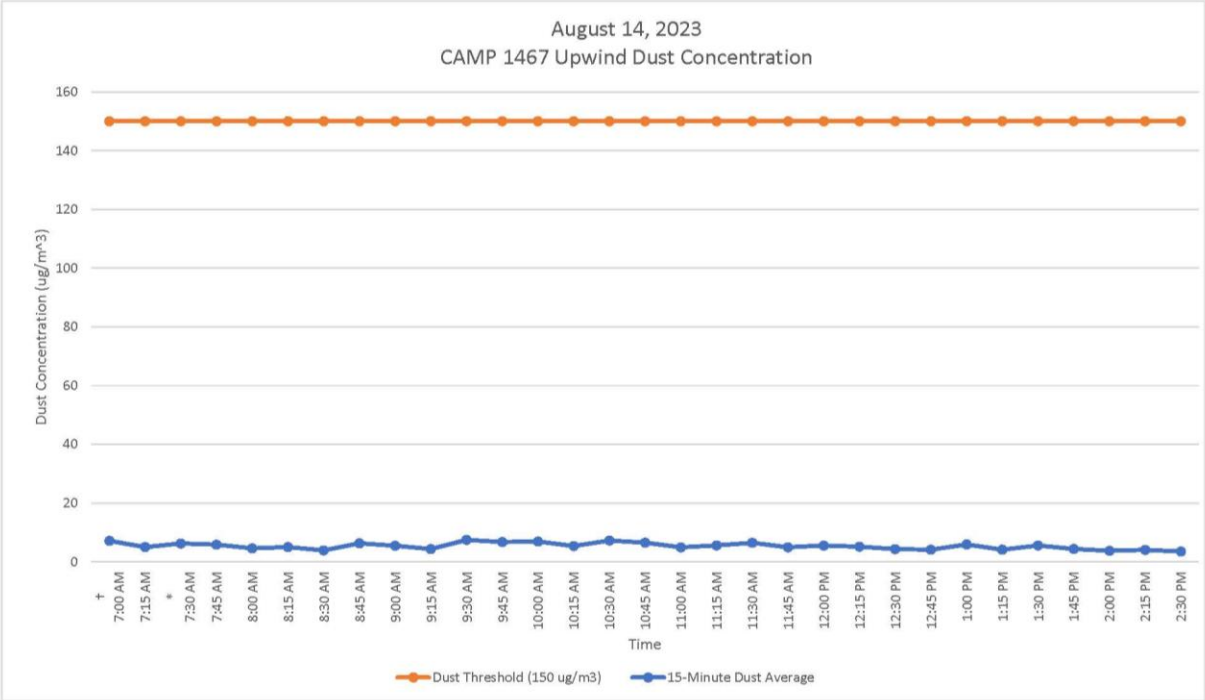
Background Readings:
PID 1: 0.0
PID 2: 0.0

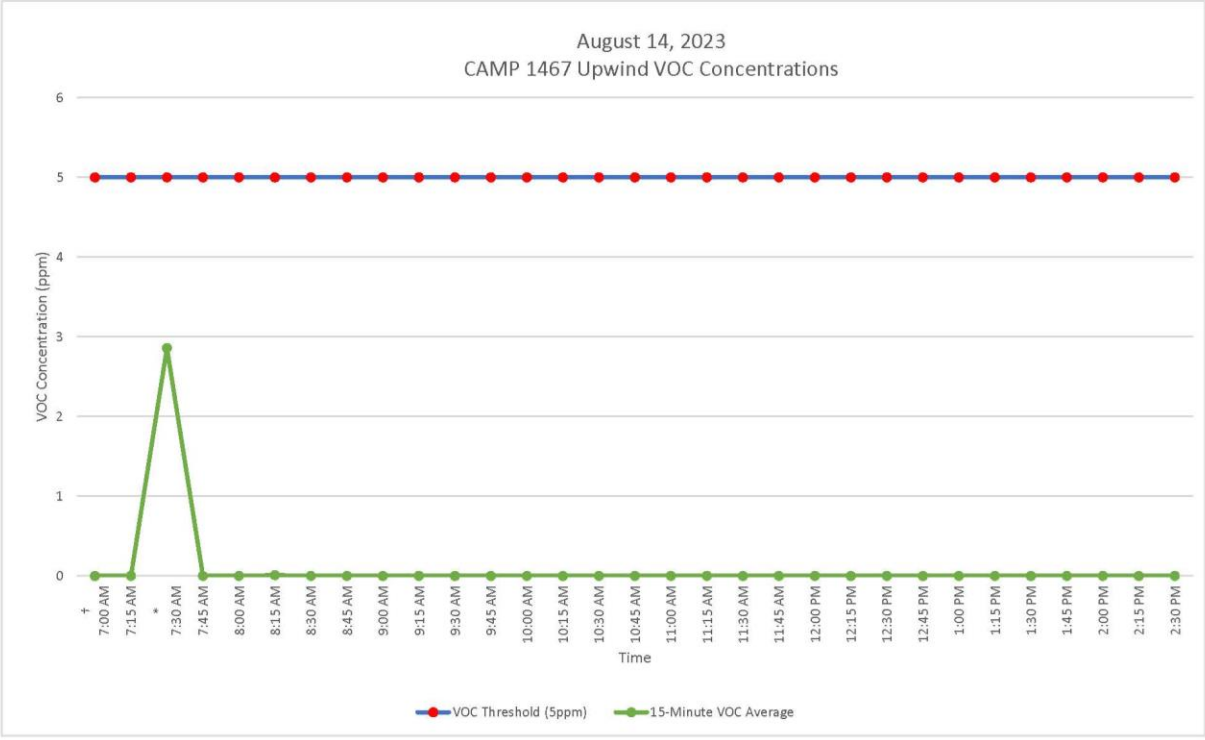
Data Ram 1: 4.64
Data Ram 2: 7.15

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023

FILE NO: 41.0163097.00

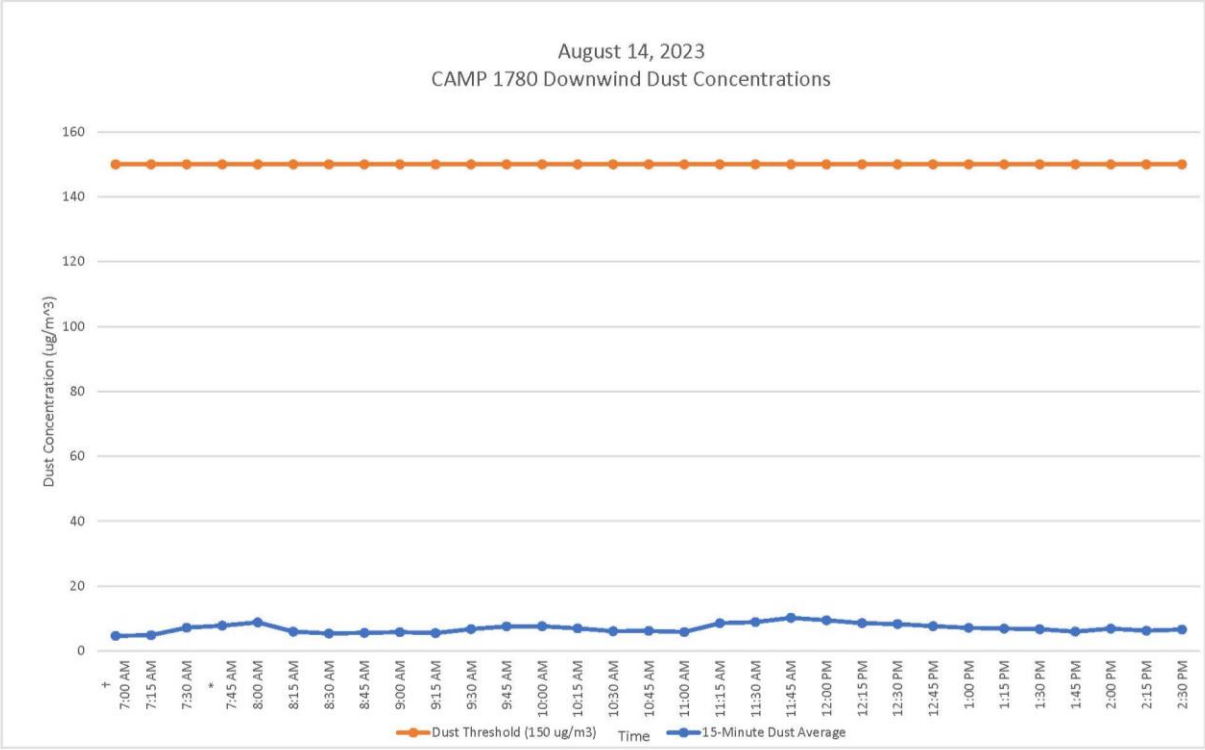


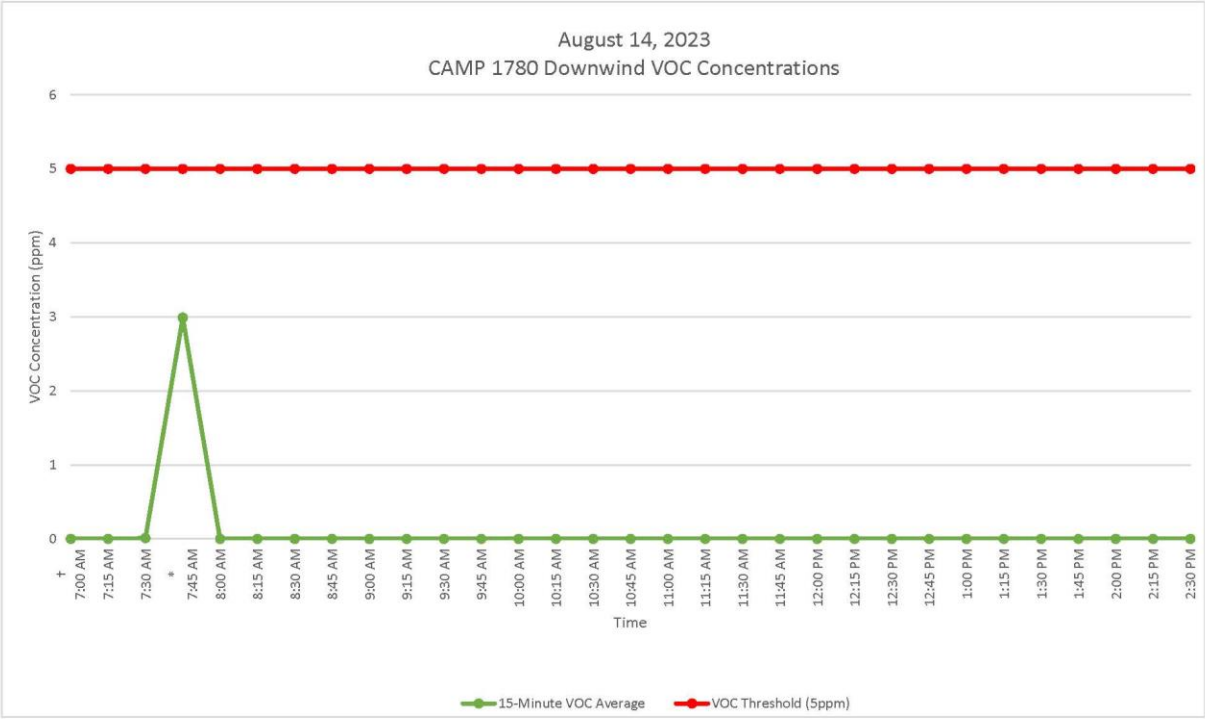


GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	0	0	30	600	30	600
Total	**53**	**1060**	**161**	**3,220**	**214**	**4,280**

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	73.26°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	68.78°F
		MAX WIND SPEED	22 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	1.54 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, August 15, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	Macro Enterprises	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 8/15/2023

Work Location (Attachment A): Grid A3, B2, B3, B5, C2, C5, D1, and D5.

1. Soil Solutions continued Pile driving in grids A3, B2, B3, and C2.
2. Macro Enterprises installed tiebacks in grid D5.
3. J&A performed demolition of asphalt surface at grids B5 and C5.
4. Loadout of asphalts from grids B5 and C5. 3 truckloads of asphalt were transported to Faztec Industries in Staten Island, New York.
5. J&A Concrete performed excavation at grid D1 for installation of piles. Excavated soils were stockpiled at grid D2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.24 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 21.24 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

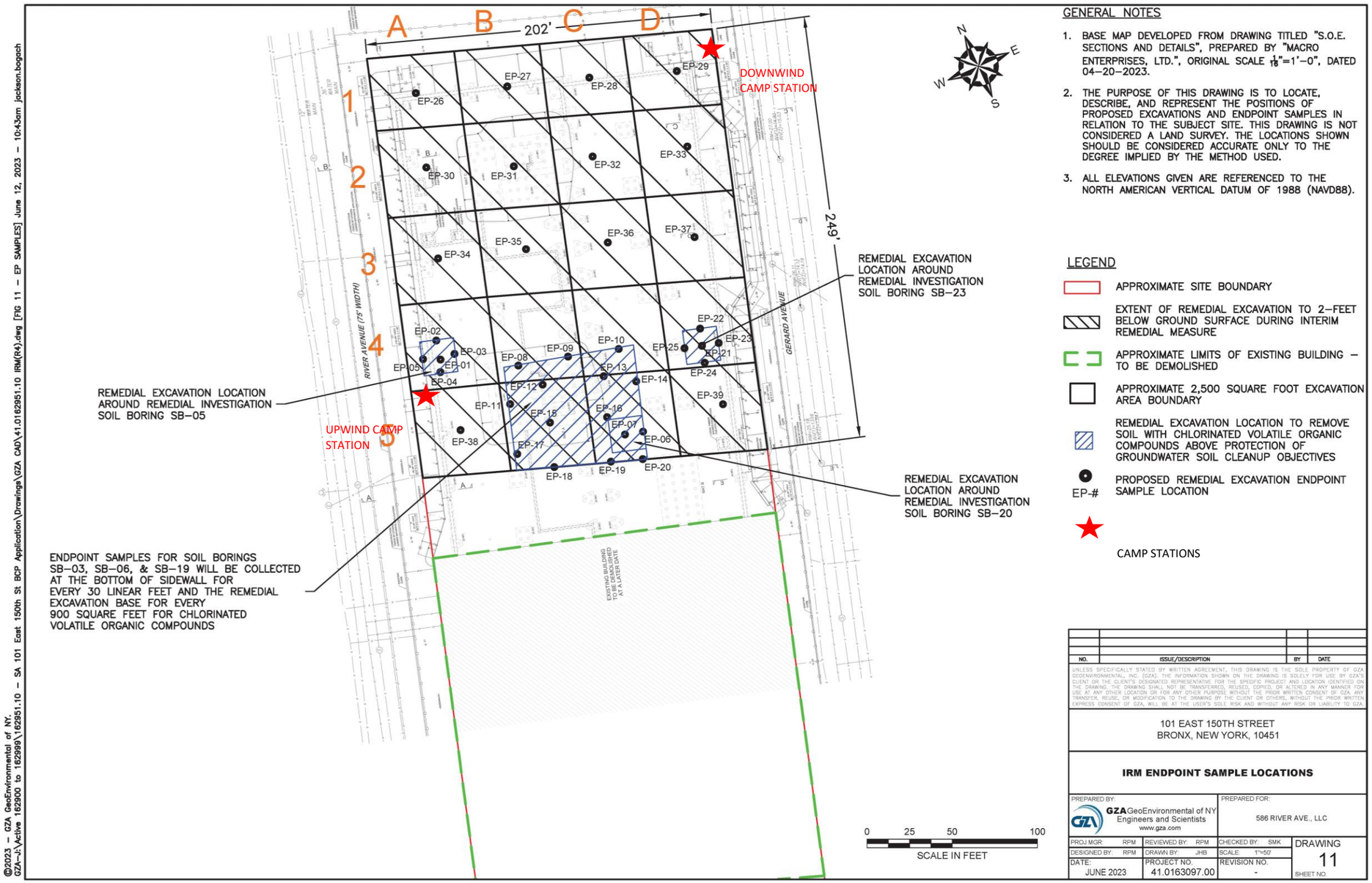
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Soil Solution driving pile at grid B-3.		**Description:** Demolition of asphalt surface at grids B-5 and C-5.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** Northwest
Description: J&A Concrete loading trucks with asphalt.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

Photo No. 5	Direction Photo Taken: Southeast	Photo No. 6	Direction Photo Taken South
Description: Macro Enterprises installing tiebacks at grid D-5.		**Description:** Downwind CAMP station at the northeast corner of the Site.	
Photo No. 7	**Direction Photo Taken:** South	**Photo No. 8**	**Direction Photo Taken** East
Description: Site at the end of the day.		**Description:** J&A covering the stockpile at the end of the day.	

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 15, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 Air Logics CAMP Station (1780– Downwind) with remote telemetry system

Station 2 Air Logics CAMP Station (1467– Upwind) with remote telemetry system

Hand Held PID Model 580 SN: 592-602879

Hand Held SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary

2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:

1 ☒ Data

2 ☒ Data

Weather Station: ☐ YES

Background Readings:

PID 1: 0.0

PID 2: 0.0

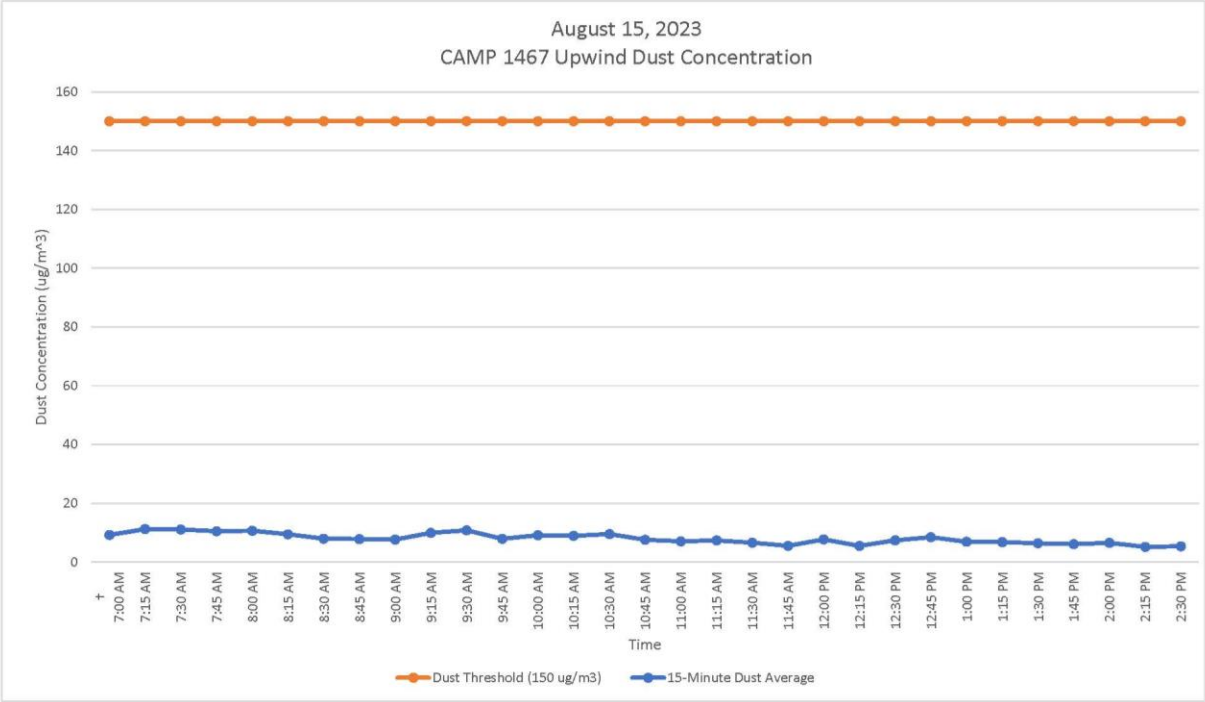
Data Ram 1: 6.46

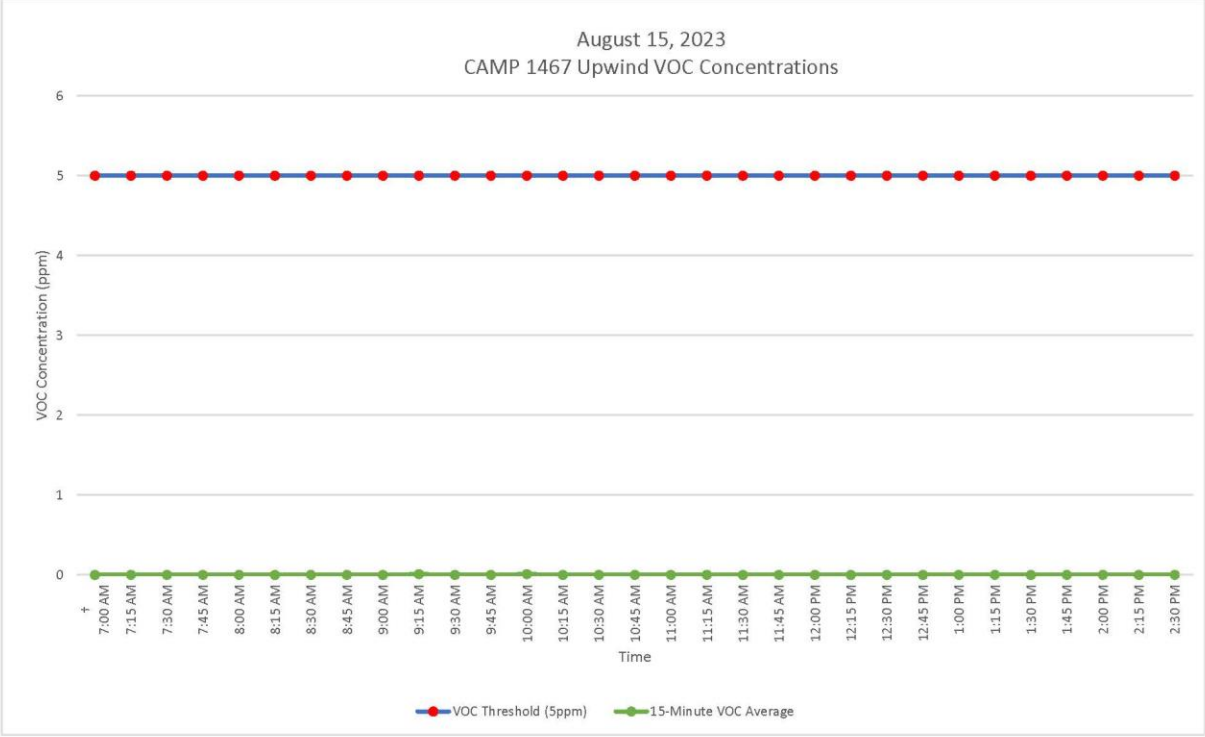
Data Ram 2: 9.24

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023

FILE NO: 41.0163097.00

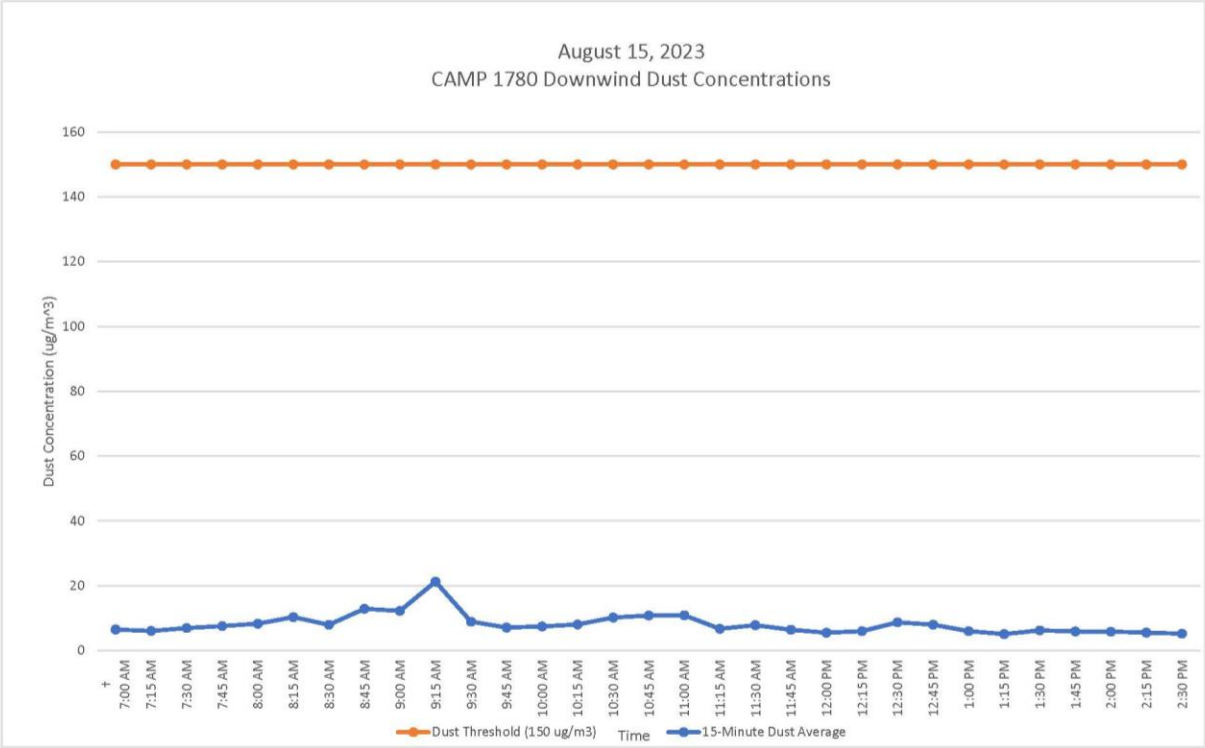


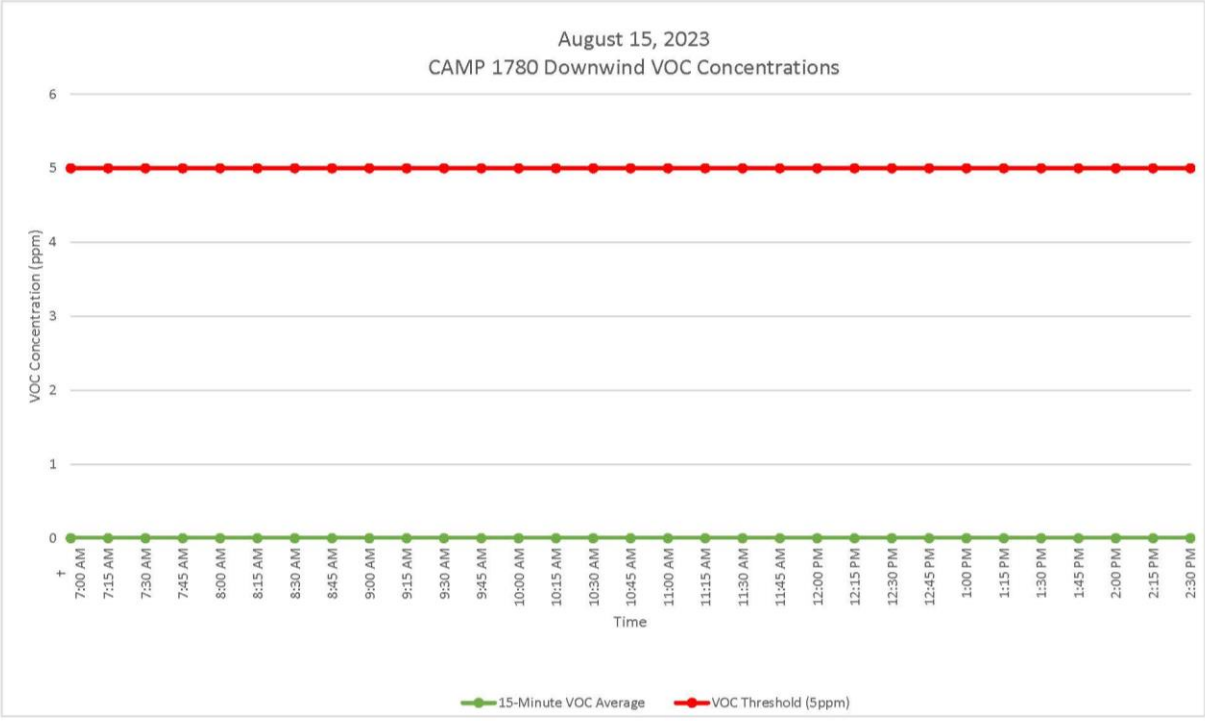


GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	0	0	0	0	0	0
Total	**53**	**1060**	**161**	**3,220**	**214**	**4,280**

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Rain, Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	73.67°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	67.43°F
		MAX WIND SPEED	13 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.80 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, August 16, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Soil Solutions	
	Independence Carting	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 8/16/2023

Work Location (Attachment A): Grid A2, B1, B2, C2, D1, D2, and D3.

1. J&A Concrete loaded 30 truckloads of material to Clean Earth, Carteret from Grids C2, D2, and D3 (0-6 ft bgs).
2. Soil Solutions continued Pile driving in grids A2, B1, and B2.
3. Macro Enterprises installed walers along the SOE in grids D1 and D3.
4. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 13.85 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 13.79 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 30 trucks of excavated materials were transported offsite to Clean Earth, Carteret, NJ during this monitoring period.

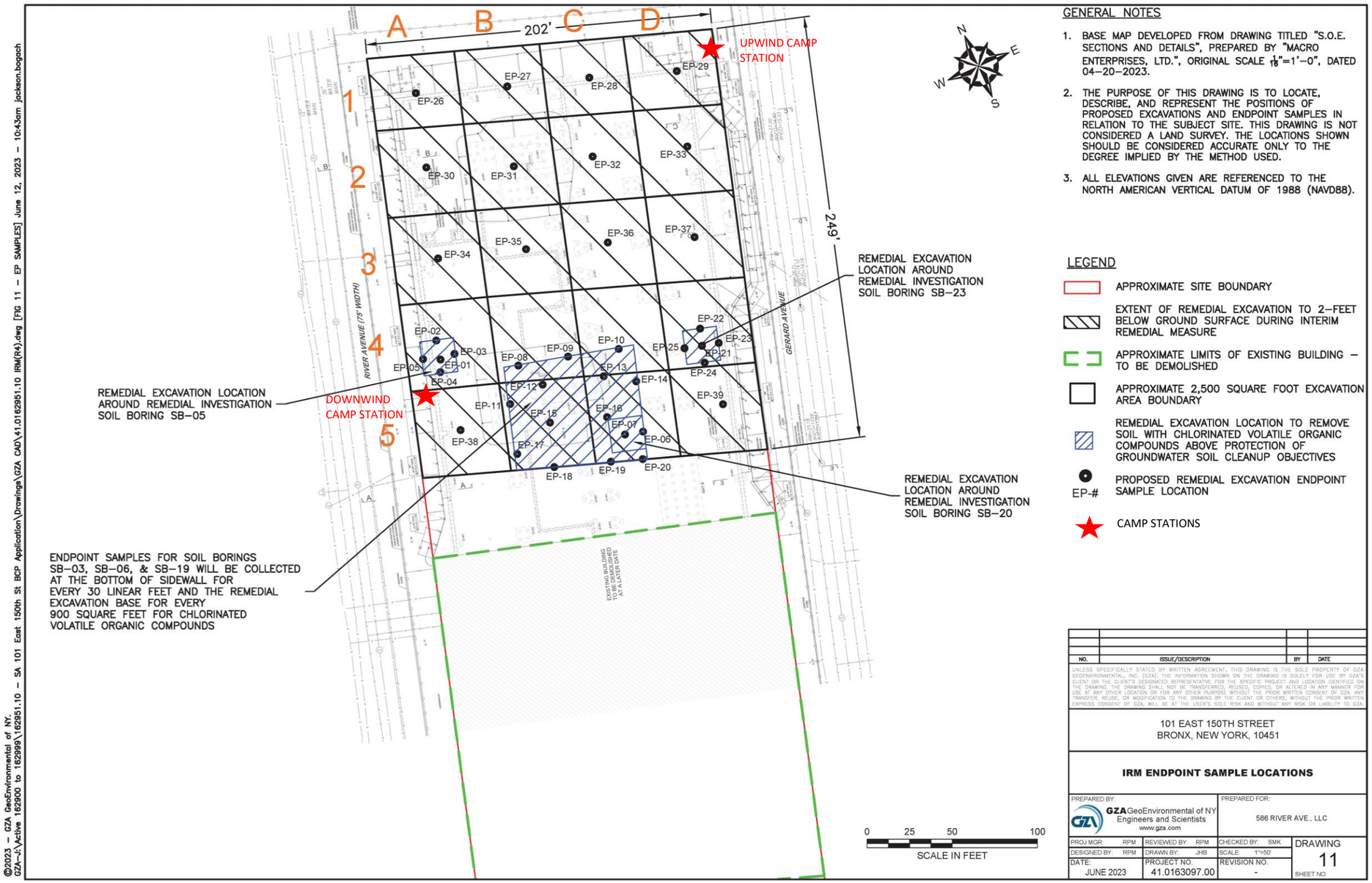
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT, OR THE CLIENT'S DESIGNATED REPRESENTATIVE, FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:			
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC			
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Soil Solution driving pile at grid A-2.		**Description:** J&A Concrete loading up trucks with soil for transport to Clean Earth of Carteret.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** South
Description: J&A Concrete cleaning debris from trucks prior to leaving the site.		**Description:** Overview of excavated northern portion of the site at the end of the day.	

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 16, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:
1 ☒ Data
2 ☒ Data

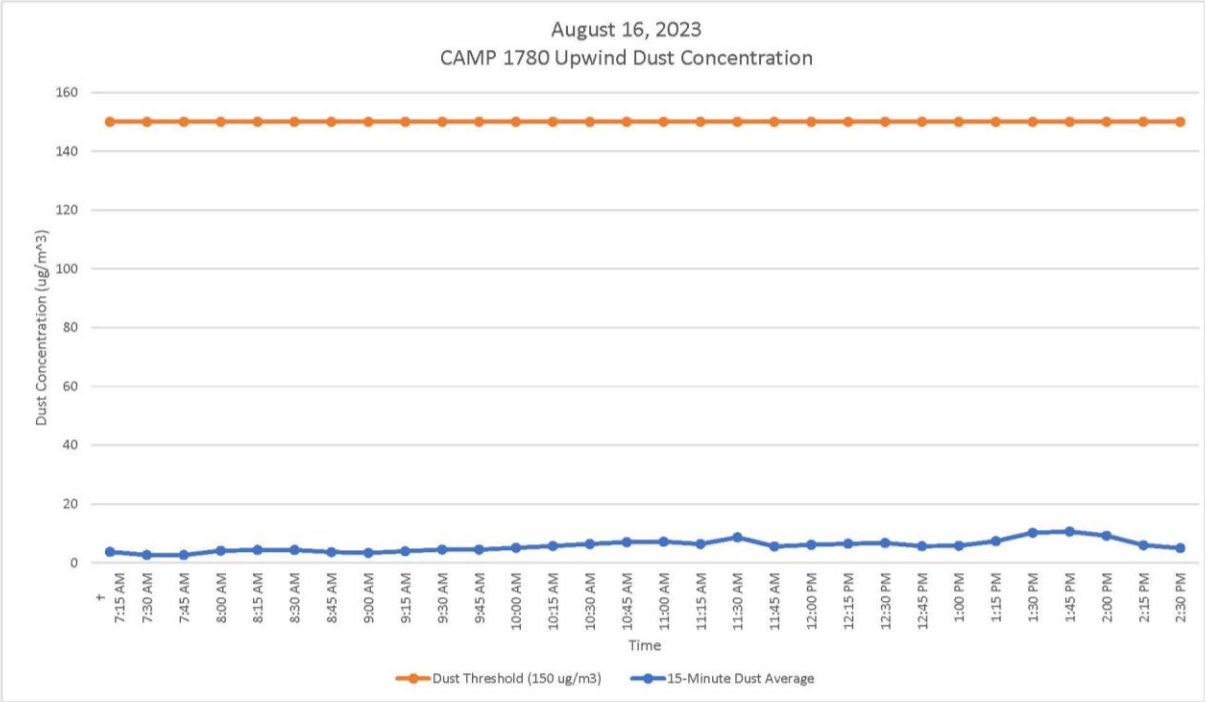
Weather Station: ☐ YES

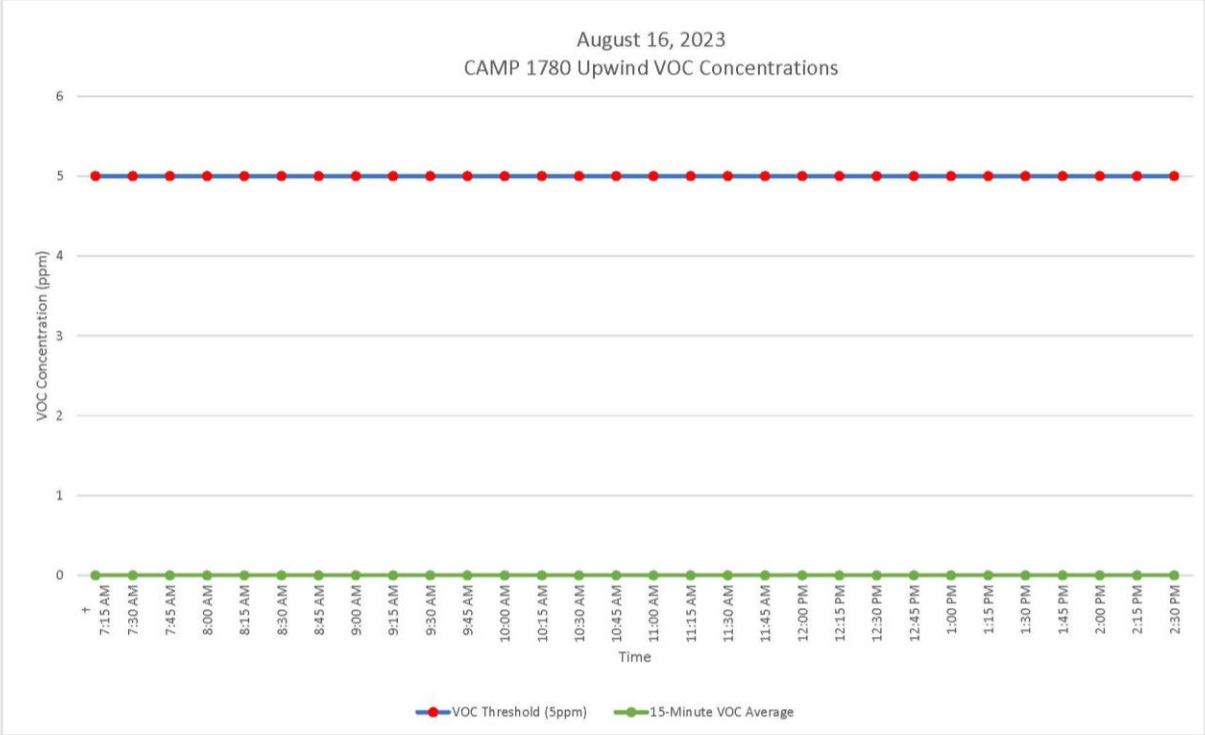
Background Readings:
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 3.72
Data Ram 2: 13.85

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

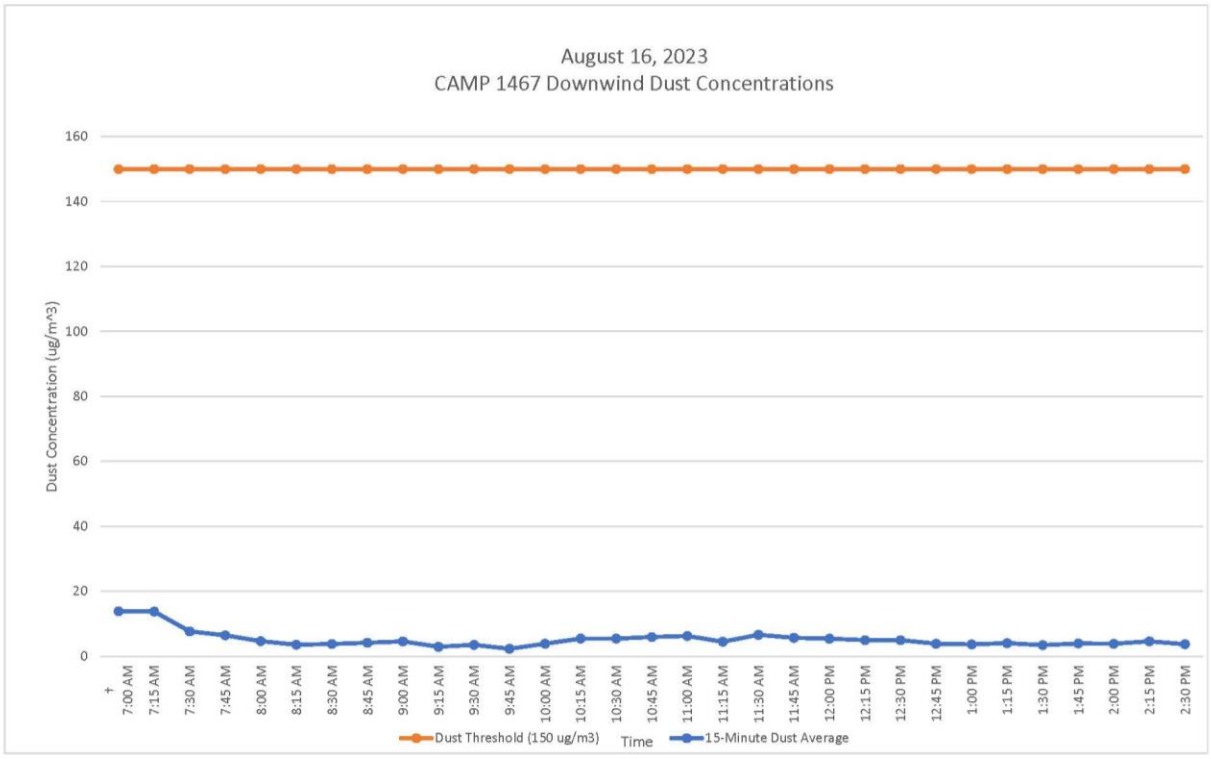


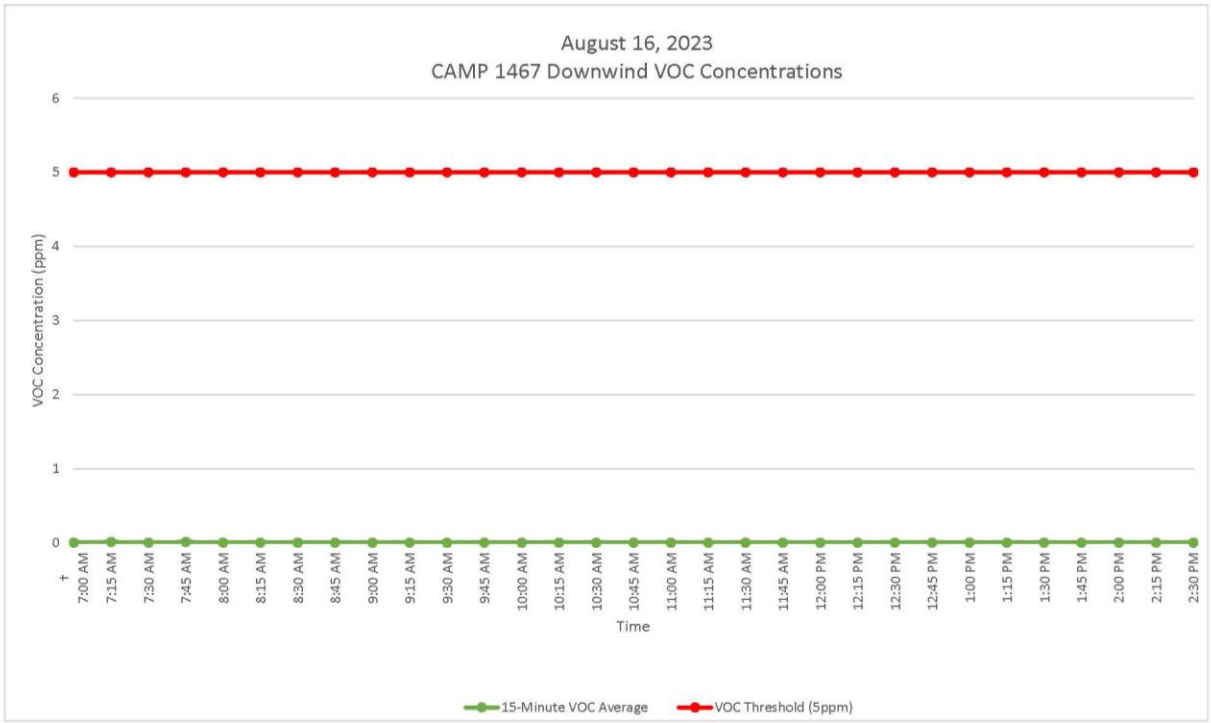


GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	53	1060	161	3,220	214	4,280
Total	**53**	**1060**	**191**	**3,820**	**244**	**4,880**

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	74.56°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	68.22°F
		MAX WIND SPEED	12 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, August 17, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Soil Solutions	
	Independence Carting	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 8/17/2023

Work Location (Attachment A): Grid A2, B2, B3, C2, C3, D1, D3, D4, and D5

1. J&A Concrete loaded 30 truckloads of material to Clean Earth, Carteret from Grids C3 and D3 (0-6 ft bgs) and D4 and D5 (0-3 ft bgs).
2. Soil Solutions continued Pile driving in grids A2, B2, B3, and C2,
3. Macro Enterprises installed walers along the SOE in grids D1 and D3.
4. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 18.69 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 17.71 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 30 trucks of excavated materials were transported offsite to Clean Earth, Carteret, NJ during this monitoring period.

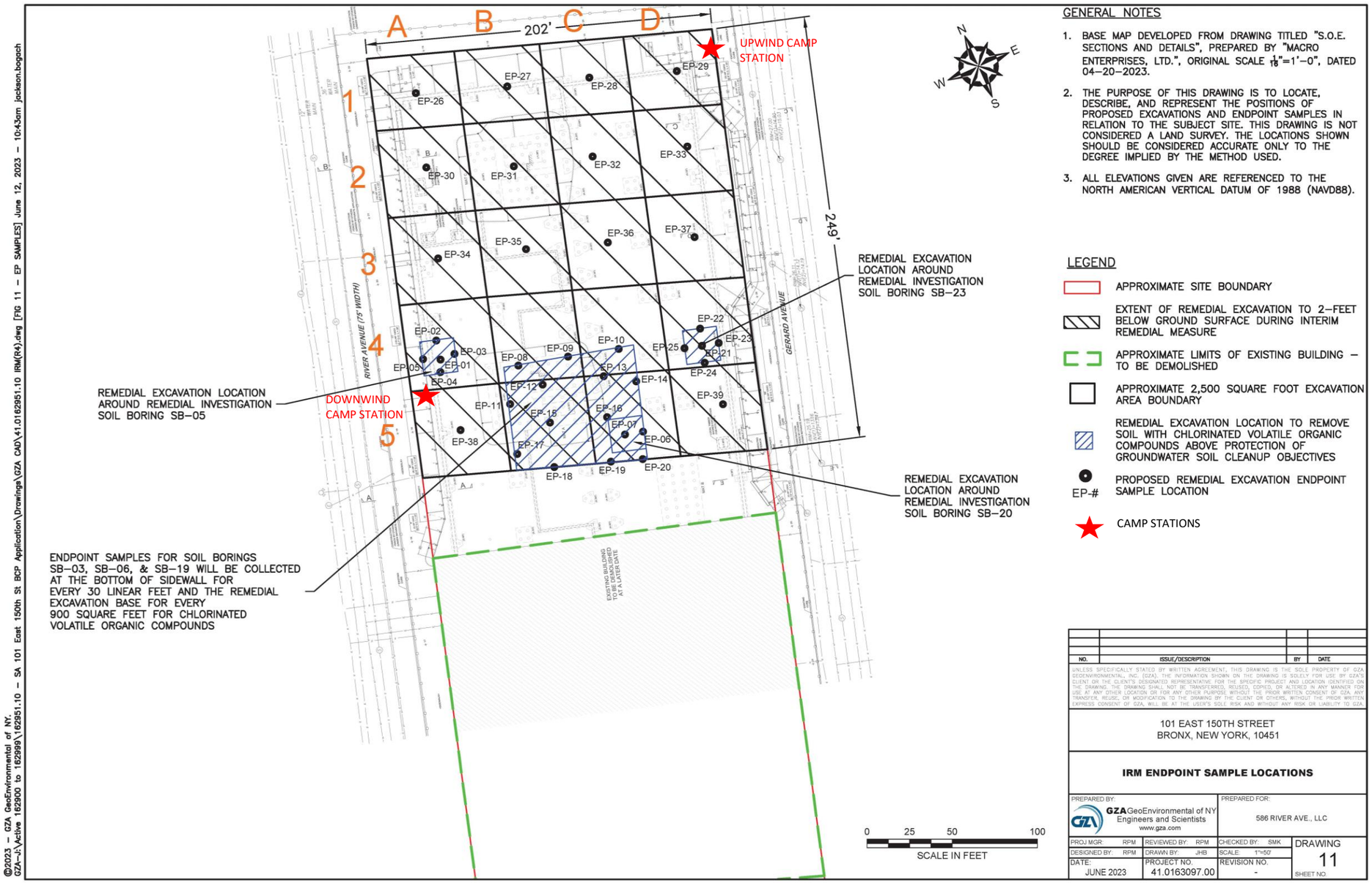
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:			
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC			
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northwest
Description: J&A Concrete loading up trucks with soil for transport to Clean Earth of Carteret.		**Description:** J&A Concrete cleaning debris from trucks prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No.** 4	**Direction Photo Taken** South
Description: Soil Solution driving pile at grid B-2.		**Description:** Overview of excavated northern portion of the site at the end of the day.	

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 17, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

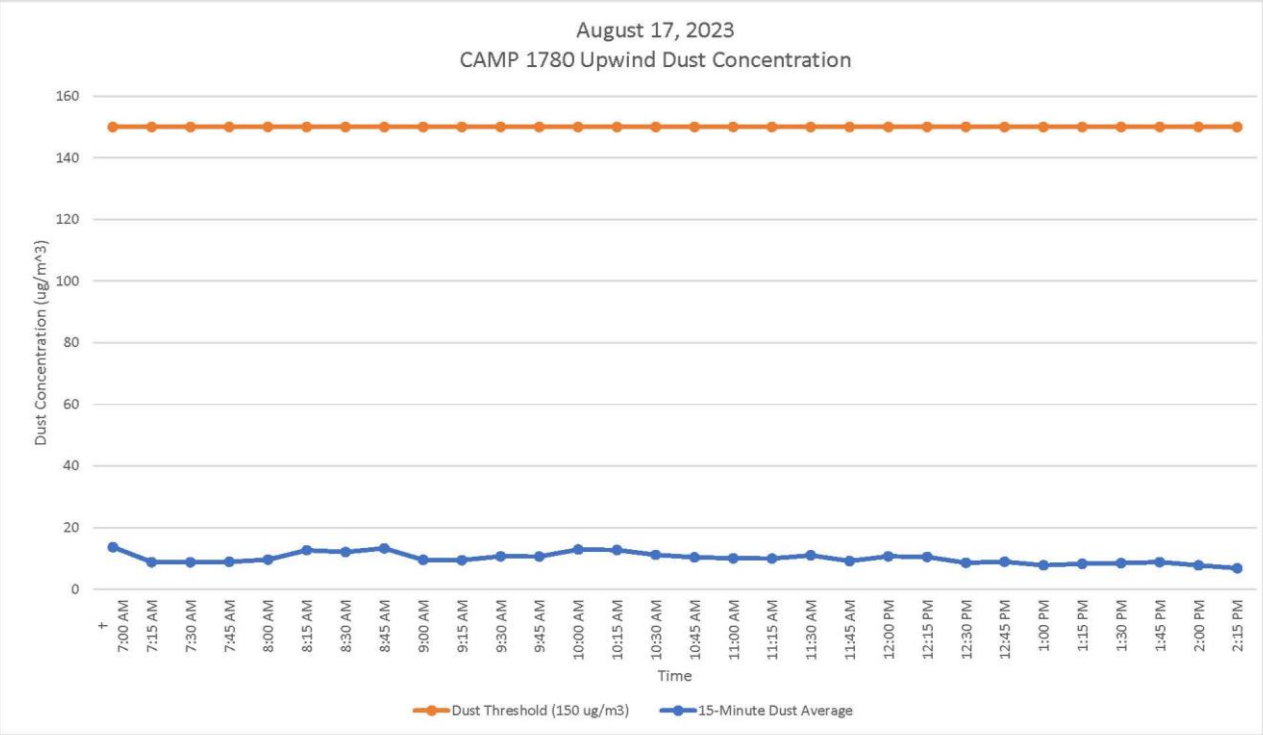
PID 1: 0.0
PID 2: 0.0

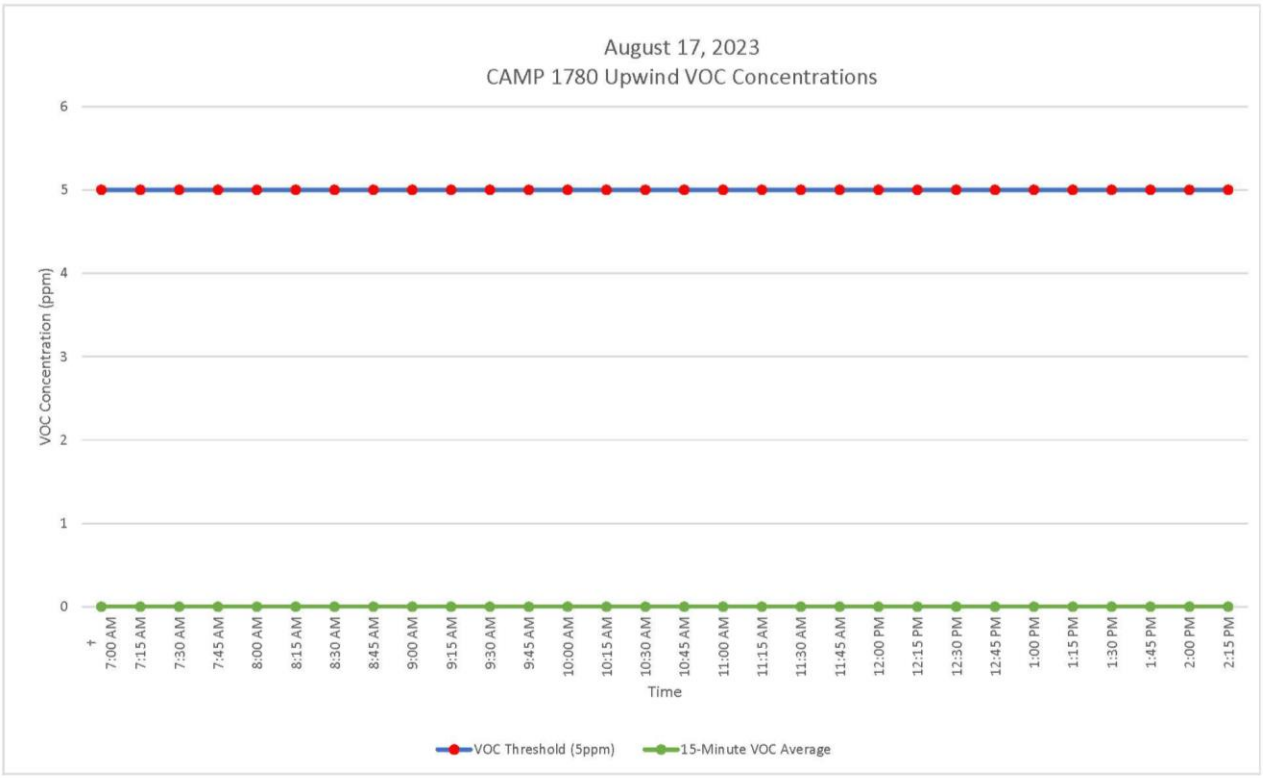
Data Ram 1: 13.70
Data Ram 2: 18.69

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023

FILE NO: 41.0163097.00

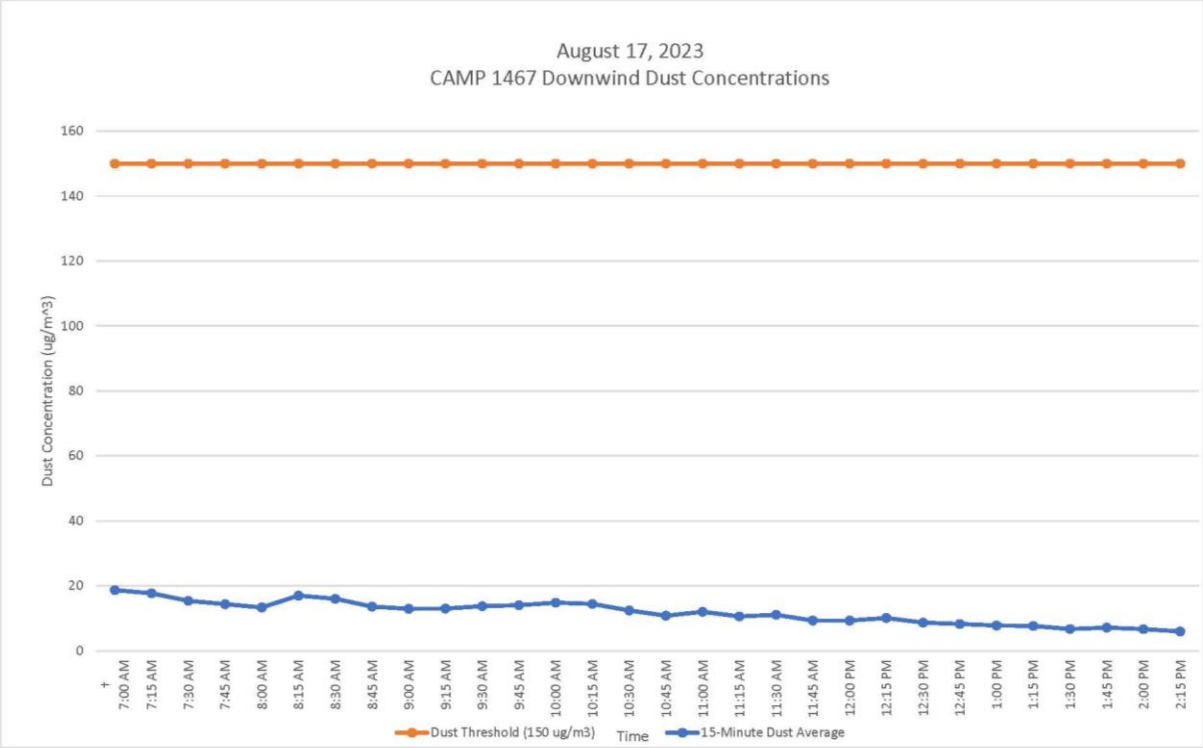


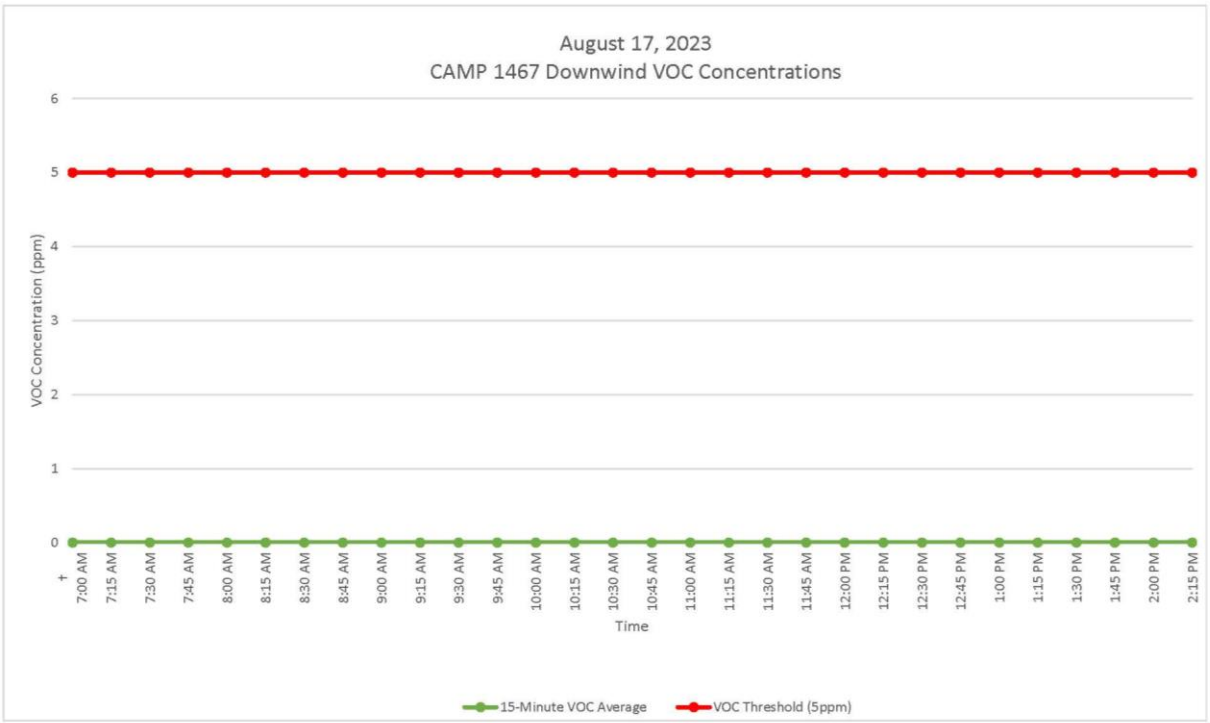


GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	53	1060	191	3,820	244	4,880
Total	**53**	**1060**	**221**	**4,420**	**274**	**5,480**

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Rain / Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	75.5°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	66.73°F
		MAX WIND SPEED	24 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	1.57 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, August 18, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	Macro Enterprises	
SITE VISITORS:	**Cousins Metal Industries Inc.**	

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 8/18/2023

Work Location (Attachment A): Grid B2, C1, C2, D1, D3, and D4.

1. Soil Solutions continued Pile driving in grids B2, C1, and C2.
2. Macro Enterprises installed walers along the SOE in grids D1, D3, and D4.
3. Cousins Metal Industries Inc. transported one roll-off container of cut piles off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED

- End-point samples EP-26, EP-27, EP-28, EP-29, EP-30, EP-33, EP-34, and EP-35 from grids A1, B1, C1, D1, A2, D2, A3, and B3, respectively, at 5-feet below ground surface (bgs).

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 3.08 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 9.45 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

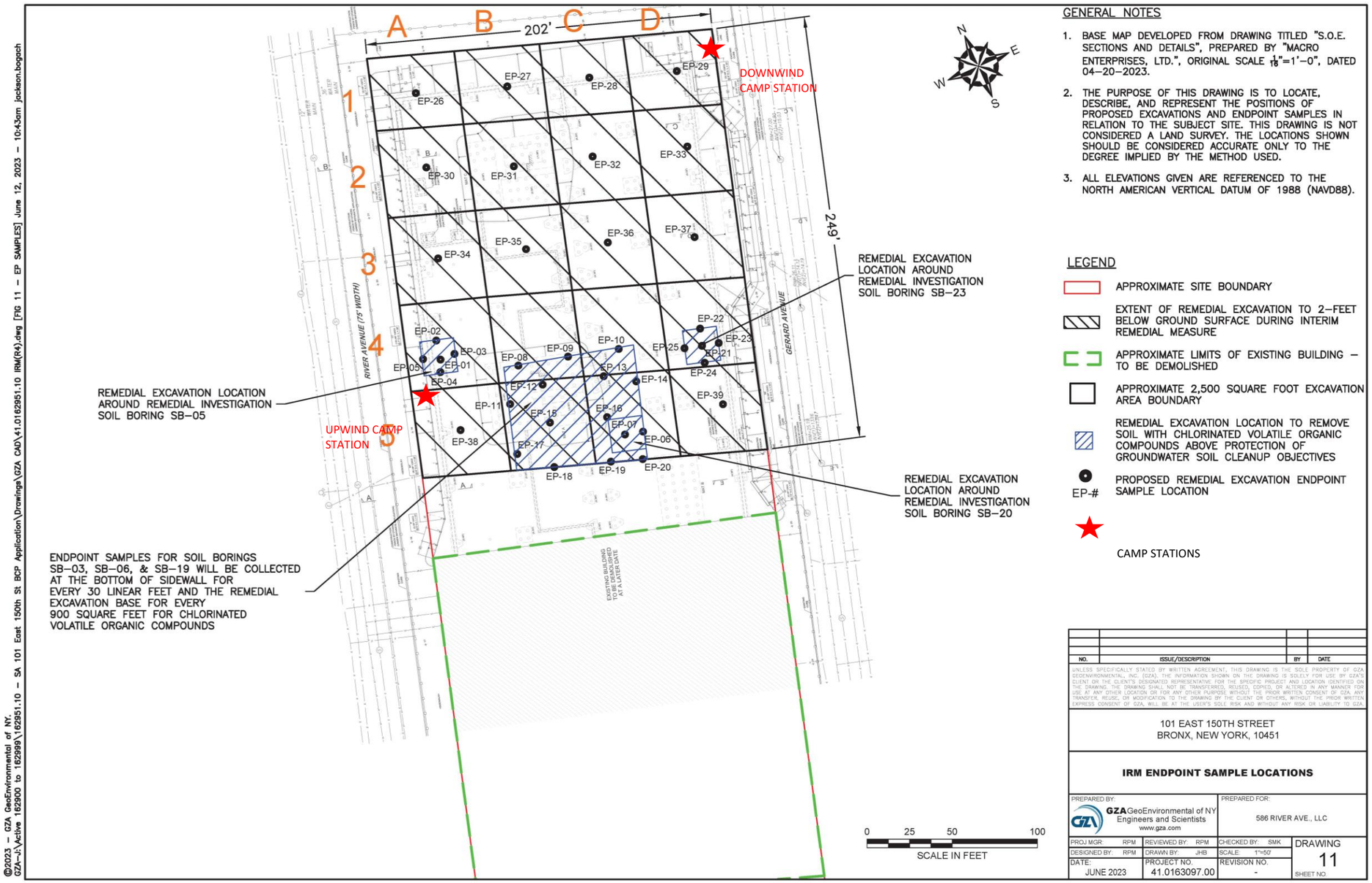
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** South
Description: Soil Solution driving pile at grid B-2.		**Description:** Downwind CAMP station at the northeast corner of the site.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** Southwest
Description: Macro Enterprises installing walers along the SOE on the western side of the Site.		**Description:** Overview of the site at the end of the day.	

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 18, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

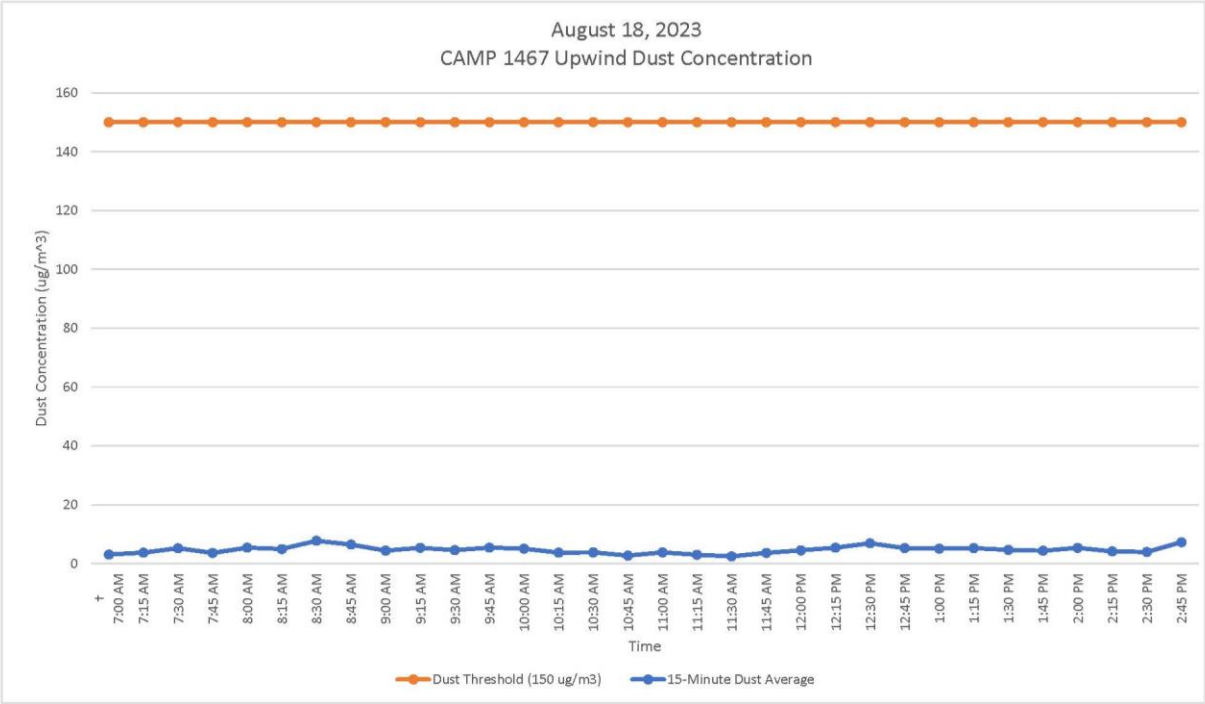
PID 1: 0.0
PID 2: 0.0

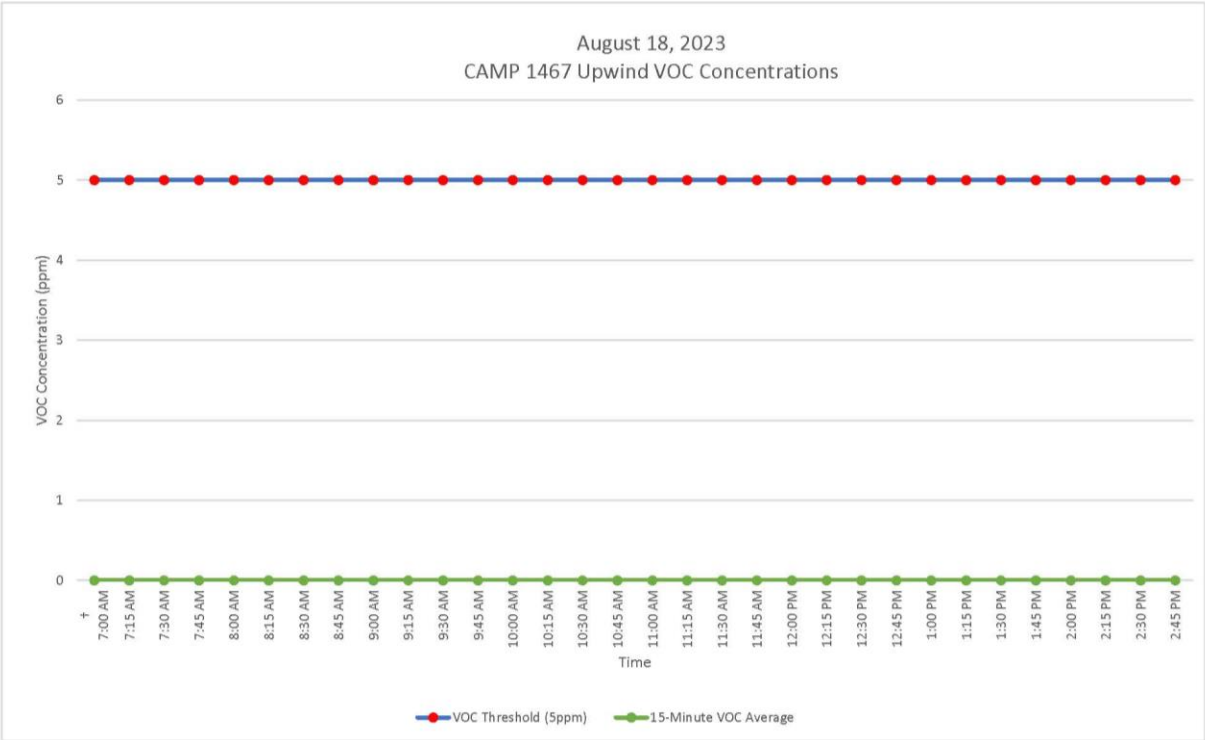
Data Ram 1: 2.48
Data Ram 2: 3.08

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023

FILE NO: 41.0163097.00

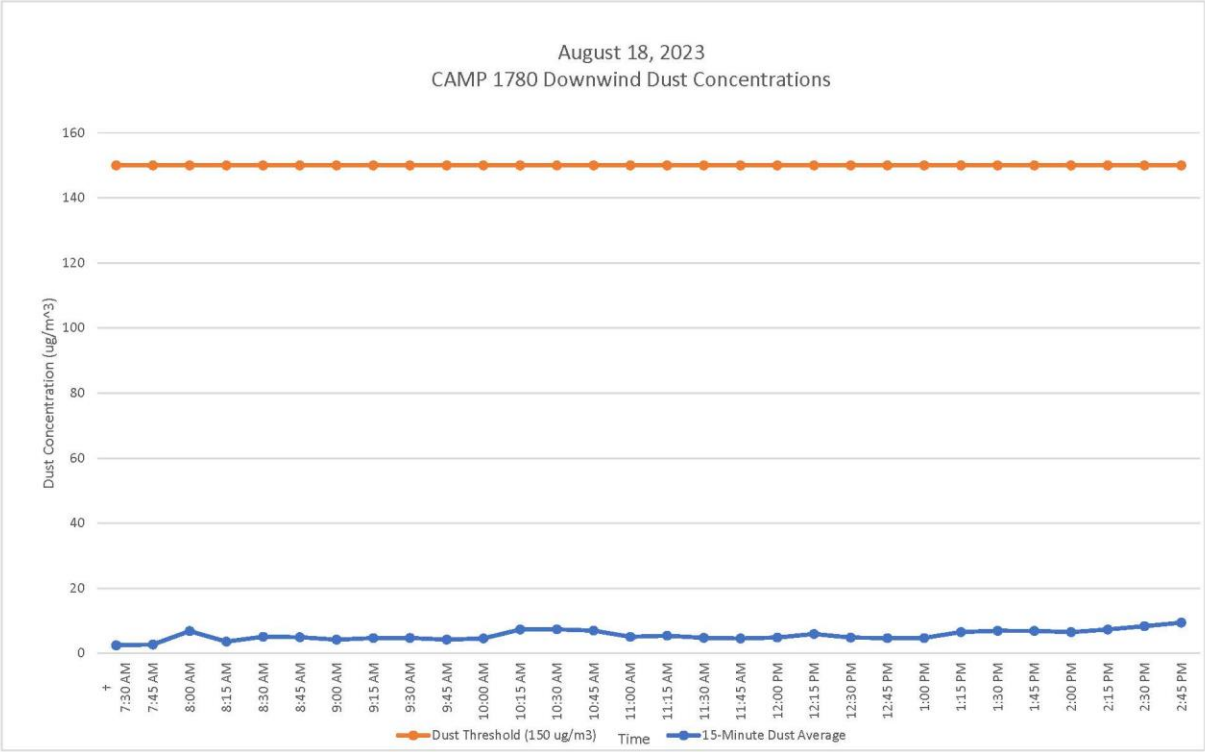


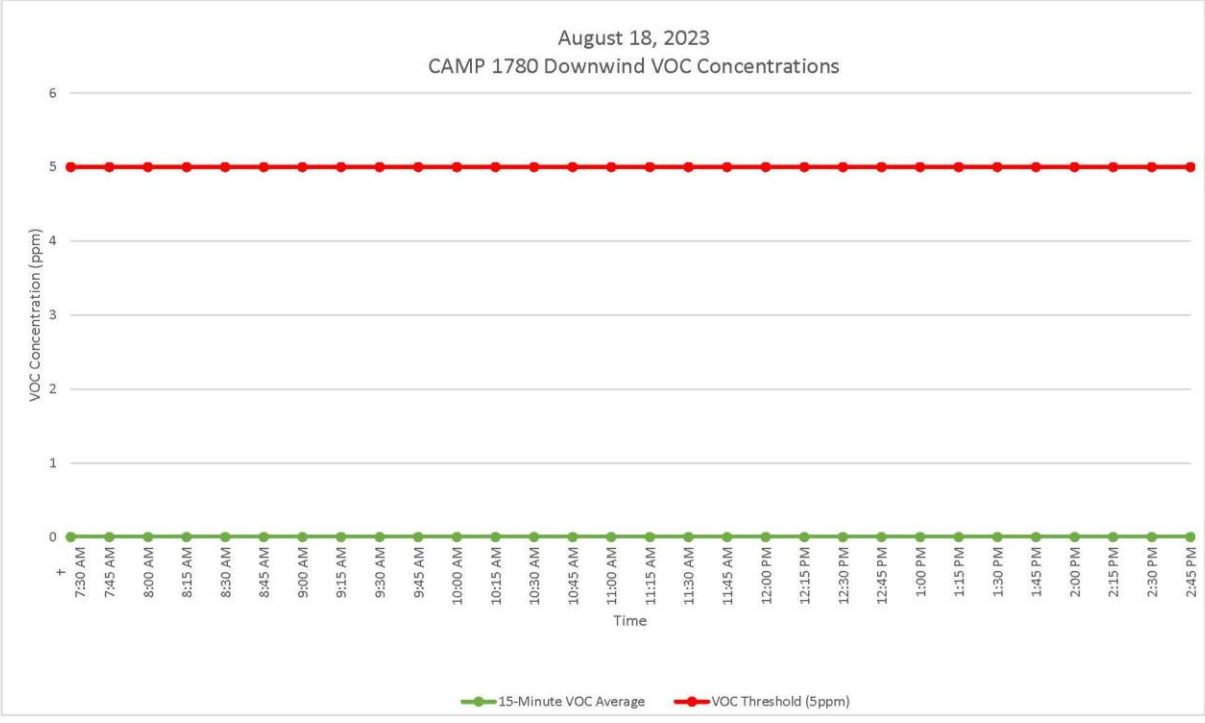


GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	53	1,060	30	600	30	600
Total	**53**	**1,060**	**221**	**4,420**	**274**	**5,480**

GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	80.06°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	63.5°F
		MAX WIND SPEED	14 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, August 21, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	Macro Enterprises	
	Cousins Metal Industries Inc	
SITE VISITORS:	**GZA**	
	Reinbill Maniquez	

GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 8/21/2023

Work Location (Attachment A): Grid C2, C4, D1, D2, D3, D4, and D5

1. Soil Solutions continued pile driving in grids C2, D1, and D2.
2. J&A performed excavation at grids D4 and D5 to 3 feet bgs in preparation for material export off-Site. Excavated soils were stockpiled at grid C4 and covered at the end of the day.
3. Macro Enterprises performed tieback testing along the SOE in grids D1, D2, D3, and D4.
4. Macro Enterprises installed lagging wall at grid D1.
5. Cousins Metal Industries Inc. transported one roll-off container of cut piles off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

Air Monitoring results:
Background Prestart Conditions – PID: 0.00 ppm, Particulates: 22.15 ug/m^3
High Conditions – PID: 2.65 ppm, Particulates: 31.09 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED

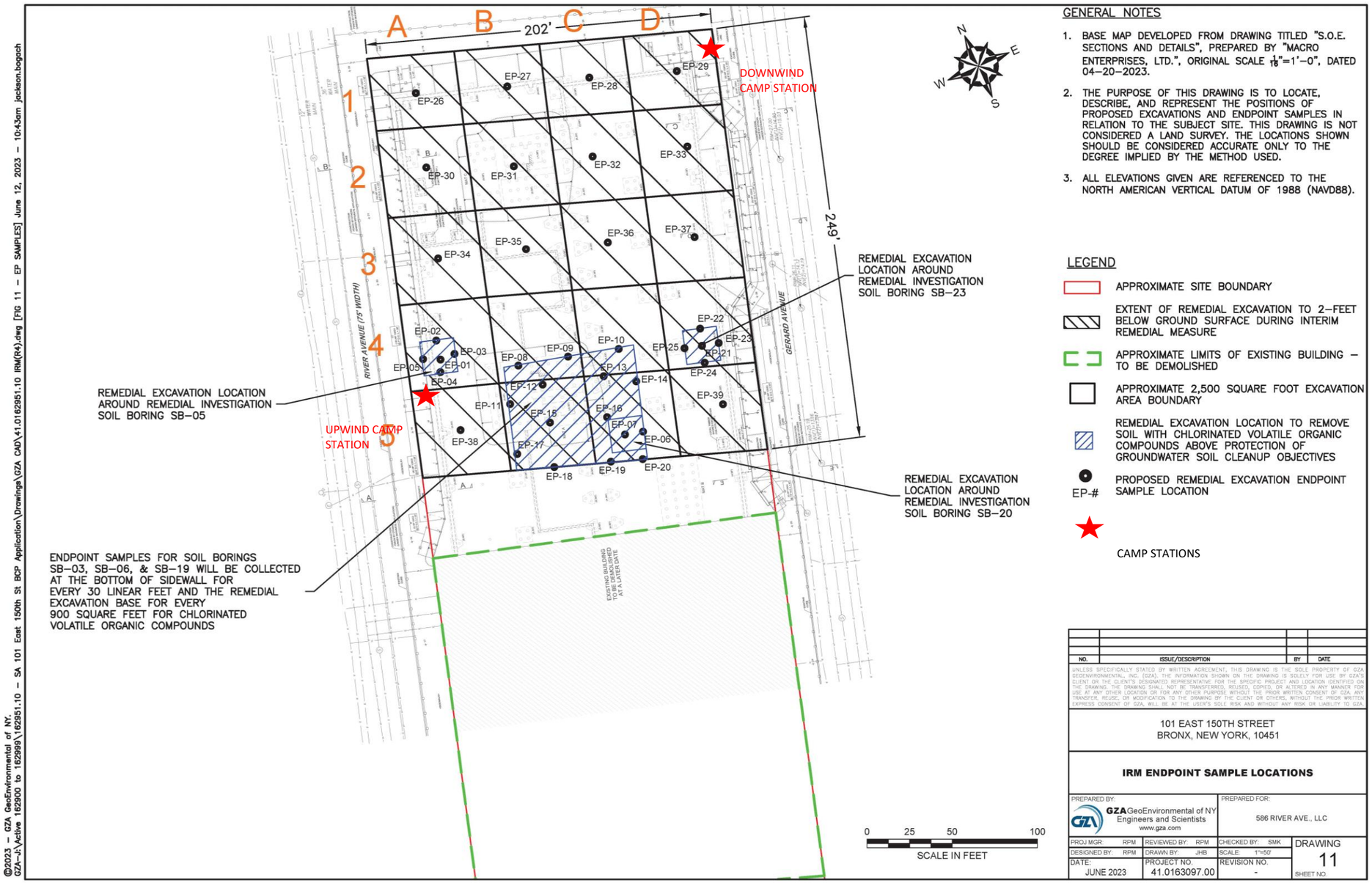
- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023

FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Soil Solution driving pile at grid B-2.		**Description:** Excavation at grids D-4 and D-5.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** East
Description: Project utilized water truck used as dust suppression measure.		**Description:** Stockpile being covered at the end of the day.	

GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 21, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

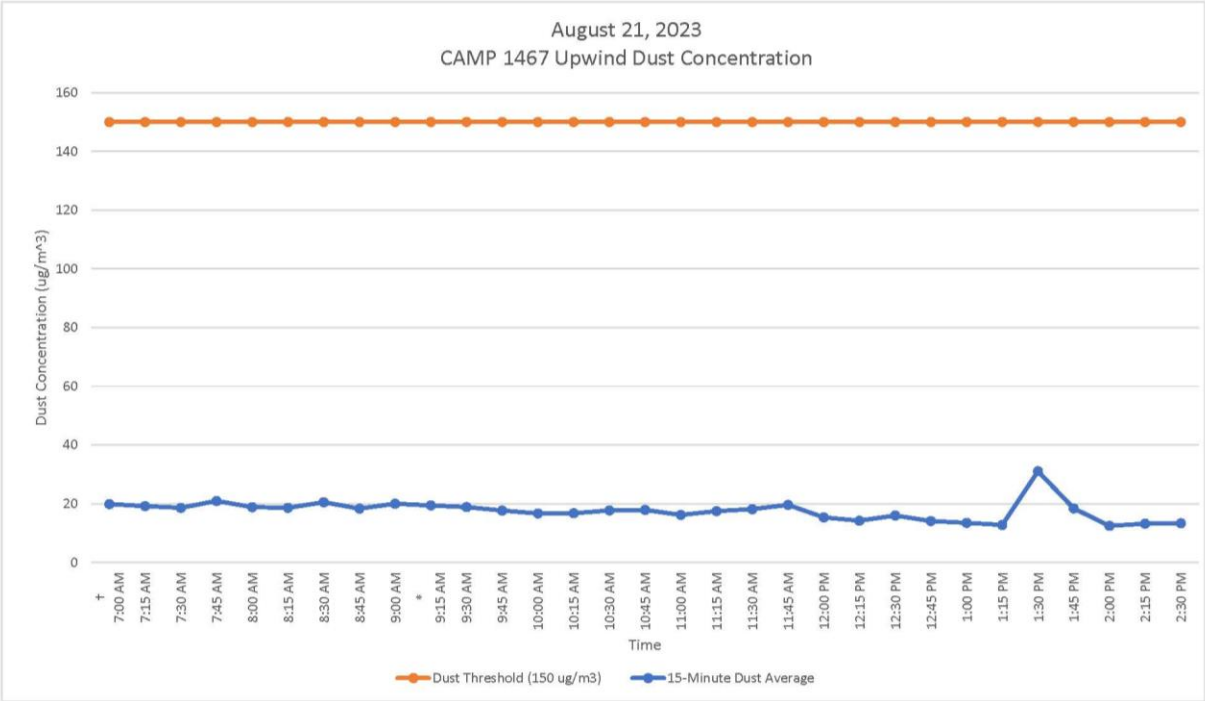
Background Readings:

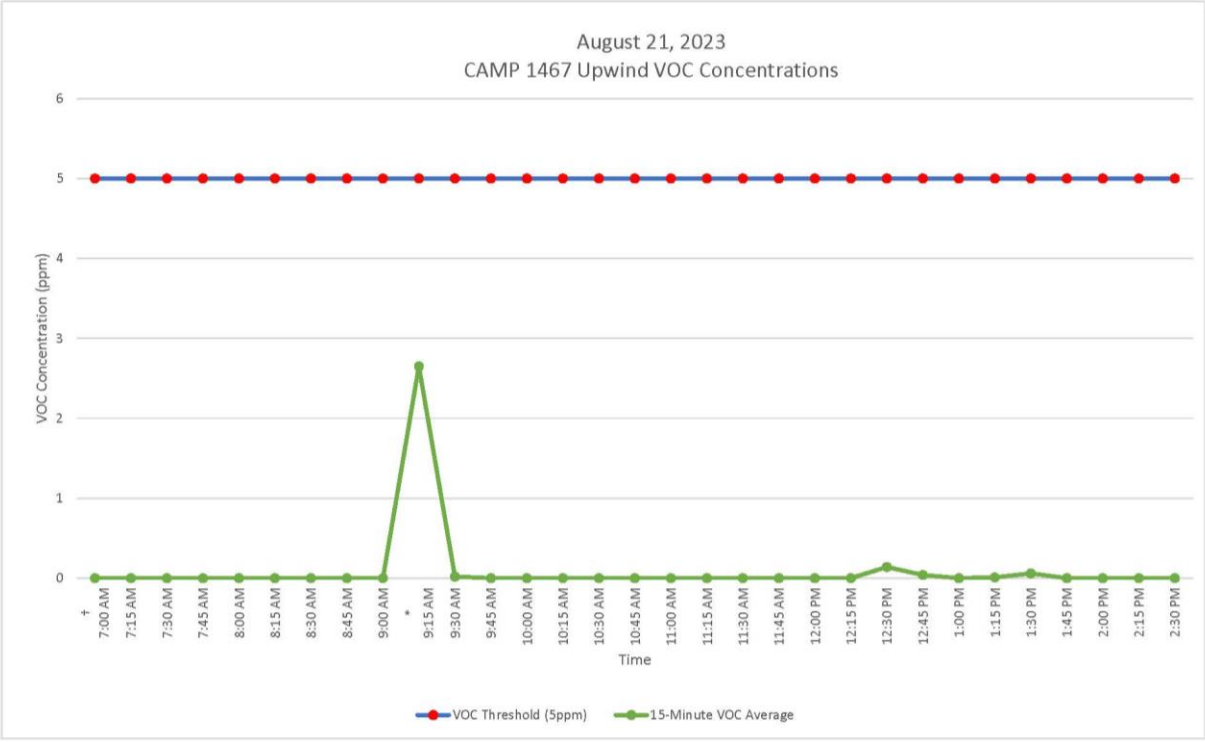
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 19.90
Data Ram 2: 22.15

GZA DAILY FIELD SUMMARY 21

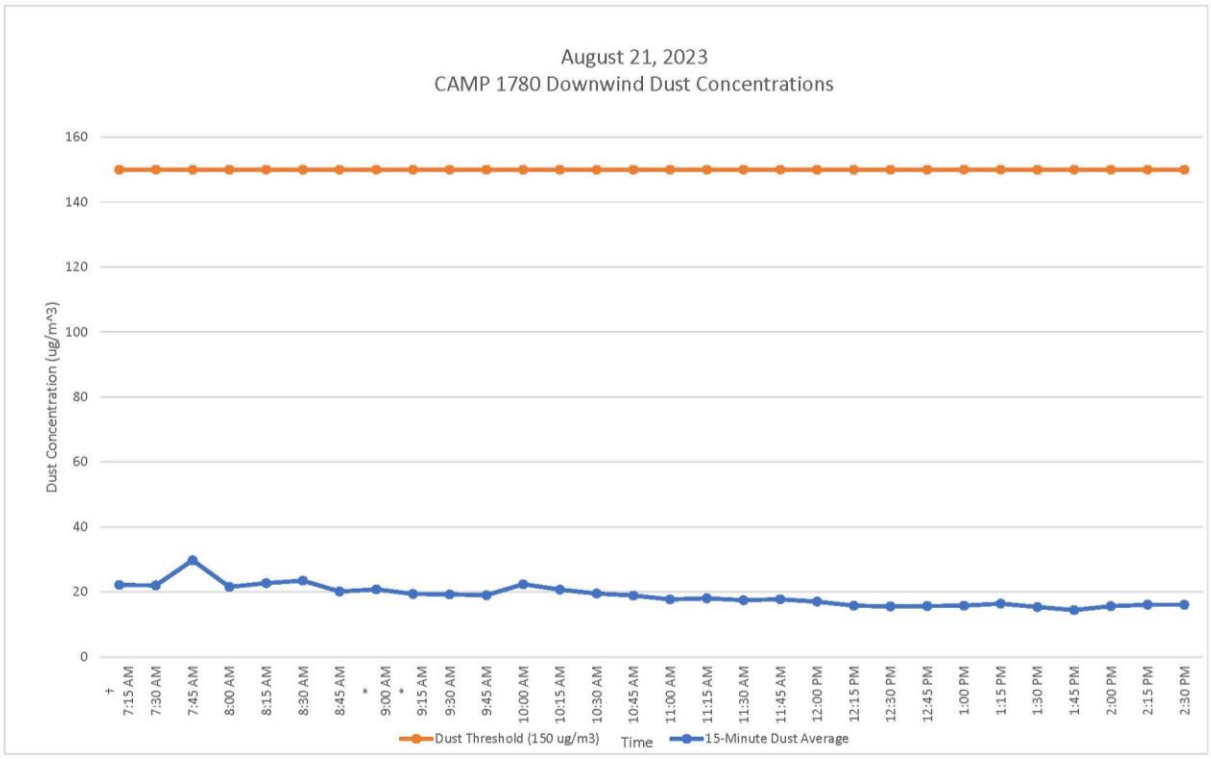
DATE: 8/21/2023
FILE NO: 41.0163097.00

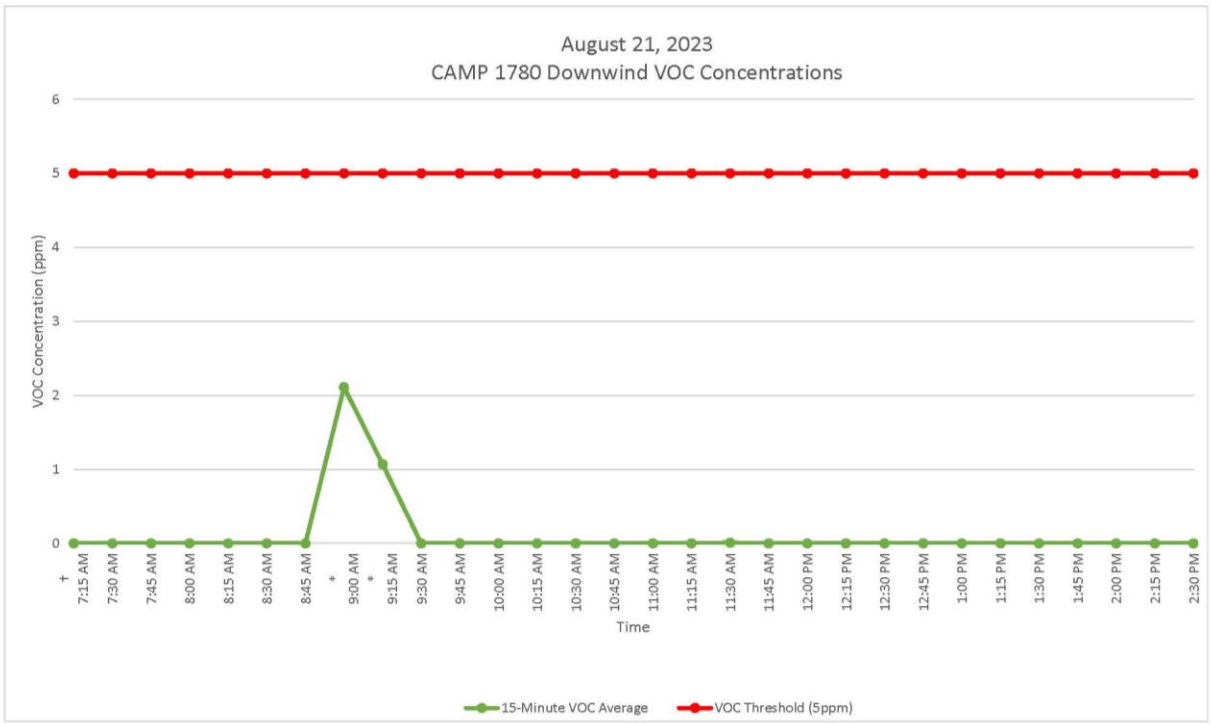




GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	53	1,060	30	600	30	600
Total	**53**	**1,060**	**221**	**4,420**	**274**	**5,480**

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	73.88°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	54.58°F
		MAX WIND SPEED	18 mph from N
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, August 22, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Soil Solutions	
	Macro Enterprises	
	GTR Engineering, LLC (GTR)	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 8/22/2023

Work Location (Attachment A): Grid A2, C1, C3, C4, D2, D3, D4, and D5.

1. Loadout of stockpiled soil excavated from Grid D3 (0-6 ft bgs) and Grids D4 & D5 (0-3 ft bgs). 30 truckloads of soil (approximately 600 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. J&A Concrete performed excavation at grid C3 to approximately 6 feet bgs in preparation for material export off-Site. Excavated soils were stockpiled at grid C4 and covered at the end of the day.
3. Soil Solutions continued Pile driving in grids A2, C1, D2, and D3.
4. Macro Enterprises continued tieback testing and installation of lagging wall along the SOE in grids D4 and D5.
5. GTR Engineering performed pile load testing.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 15.40 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 15.04 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 30 trucks of excavated materials were transported offsite to Clean Earth, Carteret, NJ during this monitoring period.

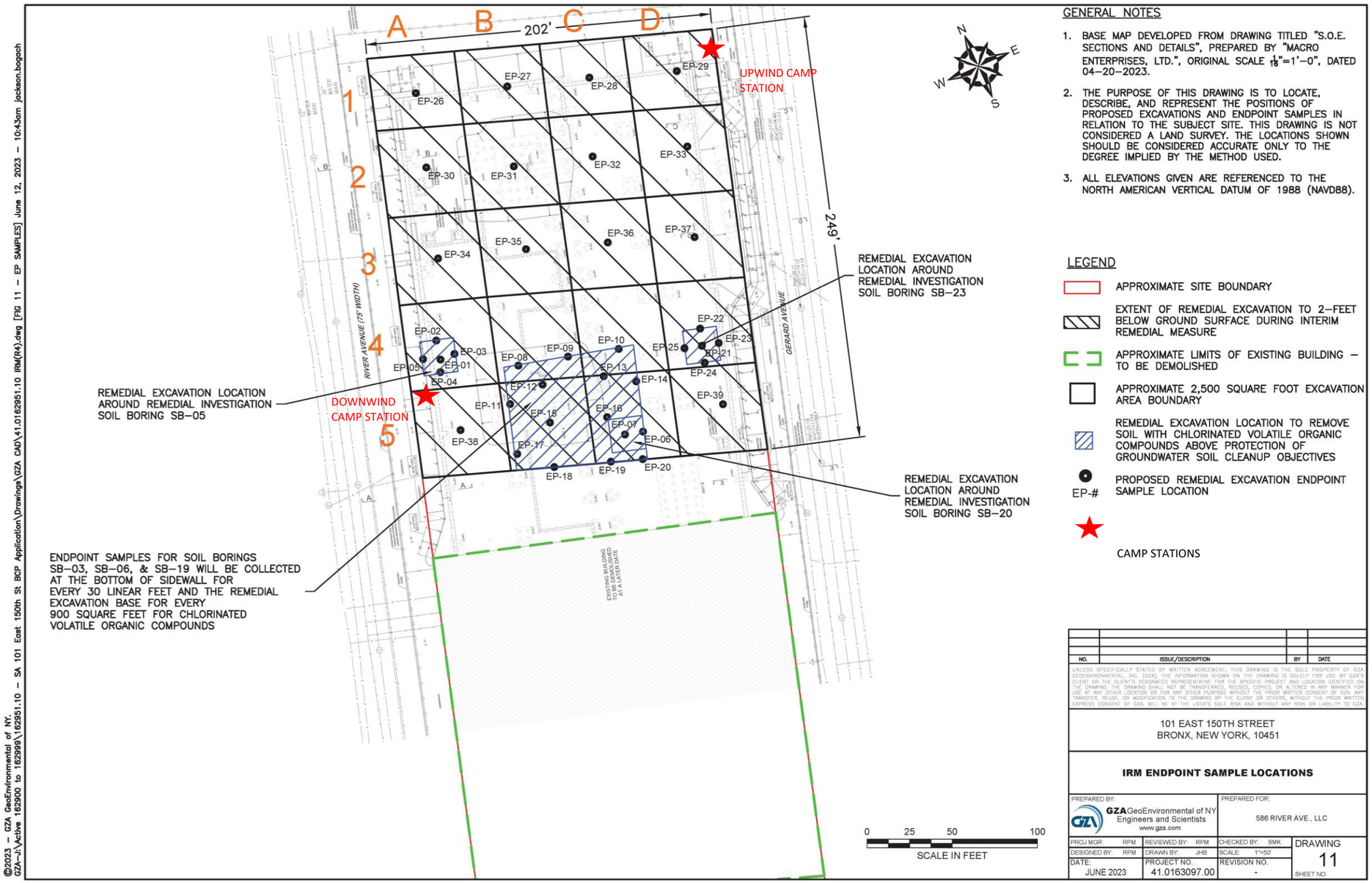
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** North
Description: J&A Concrete loading up trucks with soil for transport to Clean Earth of Carteret.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No.** 4	**Direction Photo Taken** Northeast
Description: Project utilized water truck as dust suppression measure.		**Description:** Soil Solution driving pile at grid A-2.	

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

Photo No. **5**	**Direction Photo Taken:** South	**Photo No.** **6**	**Direction Photo Taken** East
Description: Site at the end of the day.		**Description:** J&A covering the stockpile at the end of the day.	

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 22, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

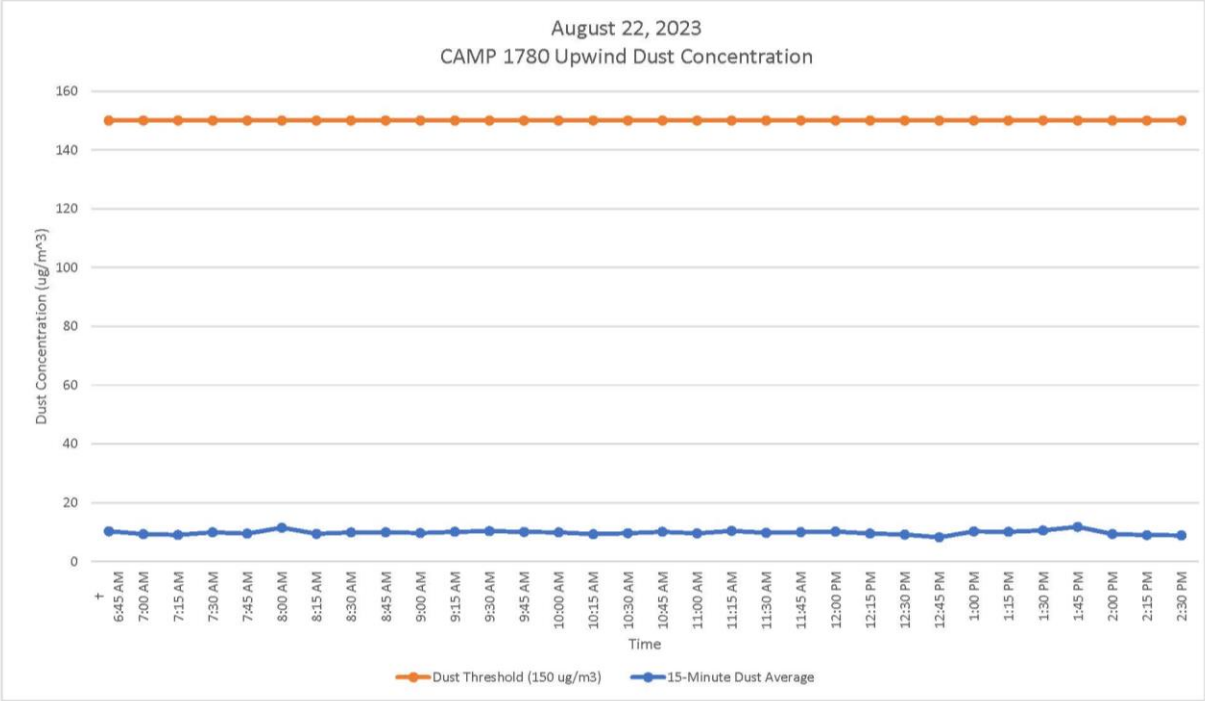
Background Readings:
PID 1: 0.0
PID 2: 0.0

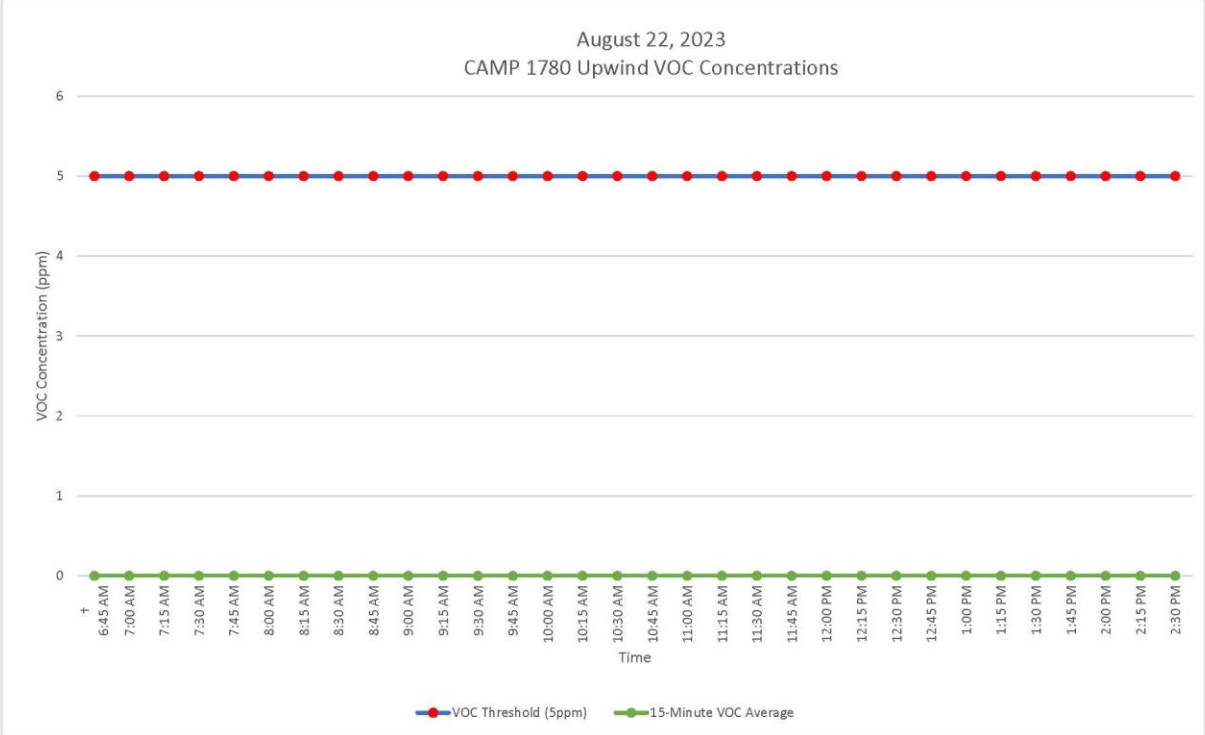
Data Ram 1: 10.32
Data Ram 2: 15.40

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023

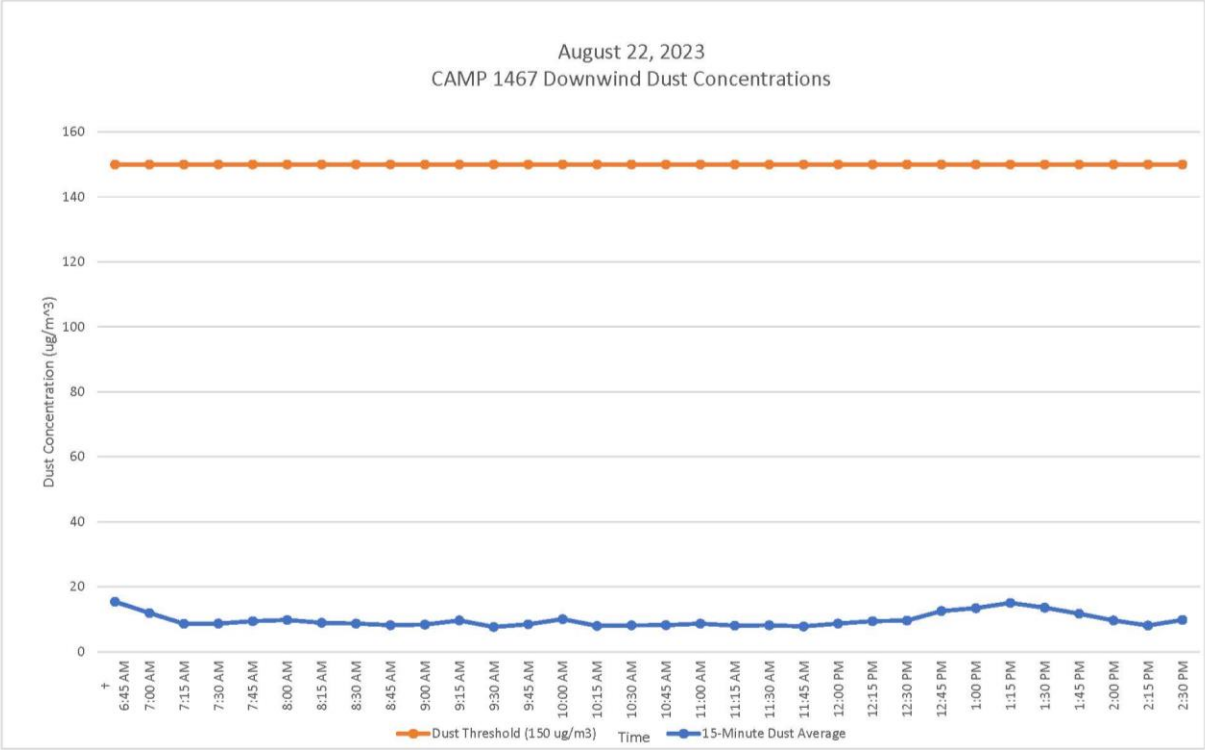
FILE NO: 41.0163097.00

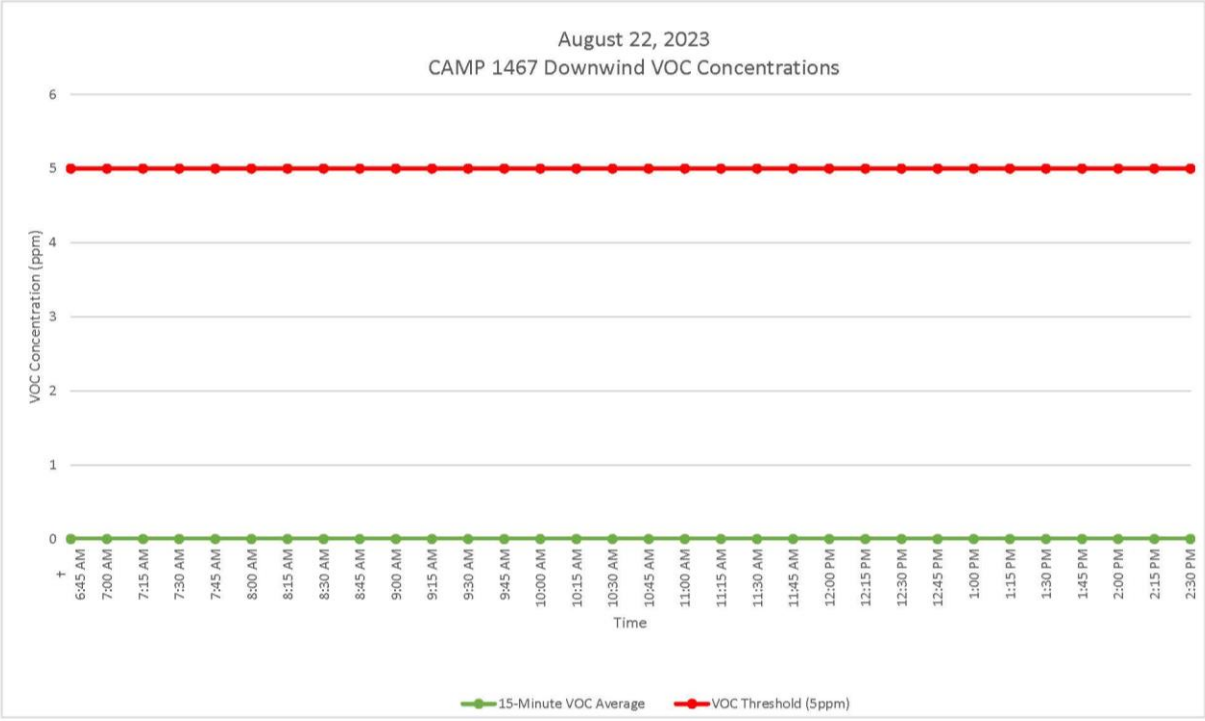




GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	53	1060	221	4,420	274	5,480
Total	**53**	**1060**	**251**	**5,020**	**304**	**6,080**

GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	70.53°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	50.00°F
		MAX WIND SPEED	13 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, August 23, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Soil Solutions	
	Macro Enterprises	
SITE VISITORS:	**NYSDEC**	
	Wendi Zheng	
	GZA	
	Reinbill Maniquez	
	DBI Projects	
	Ricky Gautier	

GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 8/23/2023

Work Location (Attachment A): Grid A2, C1, C3, C4, D2, D3, D4, and D5.

1. Loadout of stockpiled soil excavated from Grids C3 and D3 (0-6 ft bgs). 21 truckloads of soil (approximately 420 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. J&A Concrete continued excavation at grid C3. Excavated soils were backfilled along the eastern portion of D3 for installation of piles.
3. Soil Solutions continued Pile driving in grids C1, D2, and D3.
4. Macro Enterprises continued installation of lagging wall along the SOE in grid D5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.88 ug/m^3
High Conditions – PID: 0.03 ppm, Particulates: 34.43 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 21 trucks of excavated materials were transported offsite to Clean Earth, Carteret, NJ during this monitoring period.

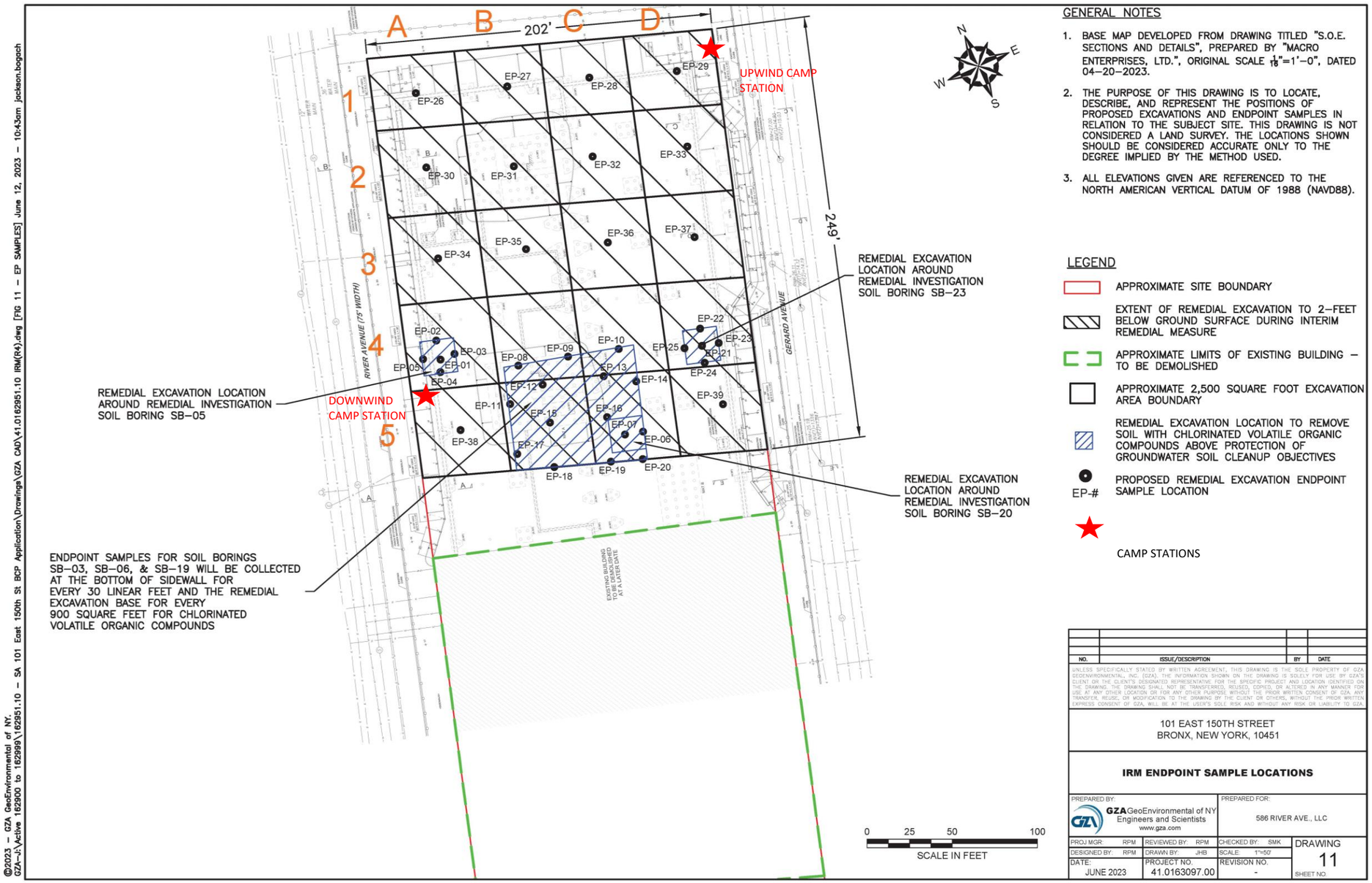
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT, OR THE CLIENT'S DESIGNATED REPRESENTATIVE, FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

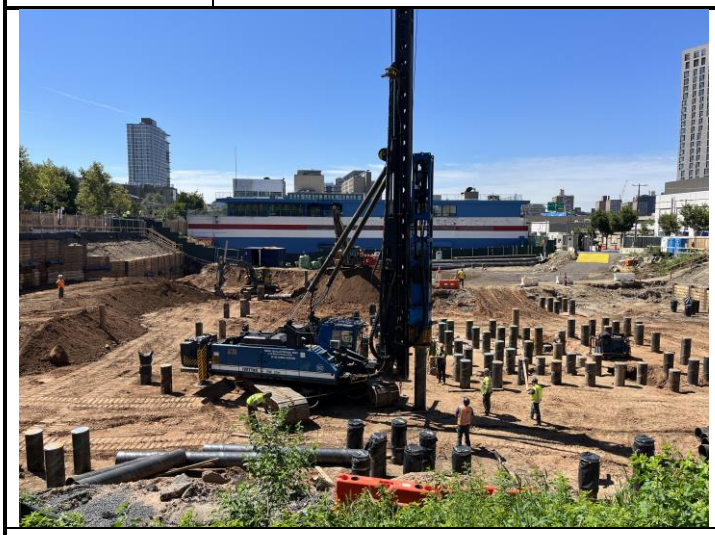
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** North
Description: J&A Concrete loading up trucks with soil for transport to Clean Earth of Carteret.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No.** 4	**Direction Photo Taken** Southwest
			
Description: Soil Solution driving pile at grid C-1.		**Description:** Overview of excavated northern portion of the site.	

GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 23, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

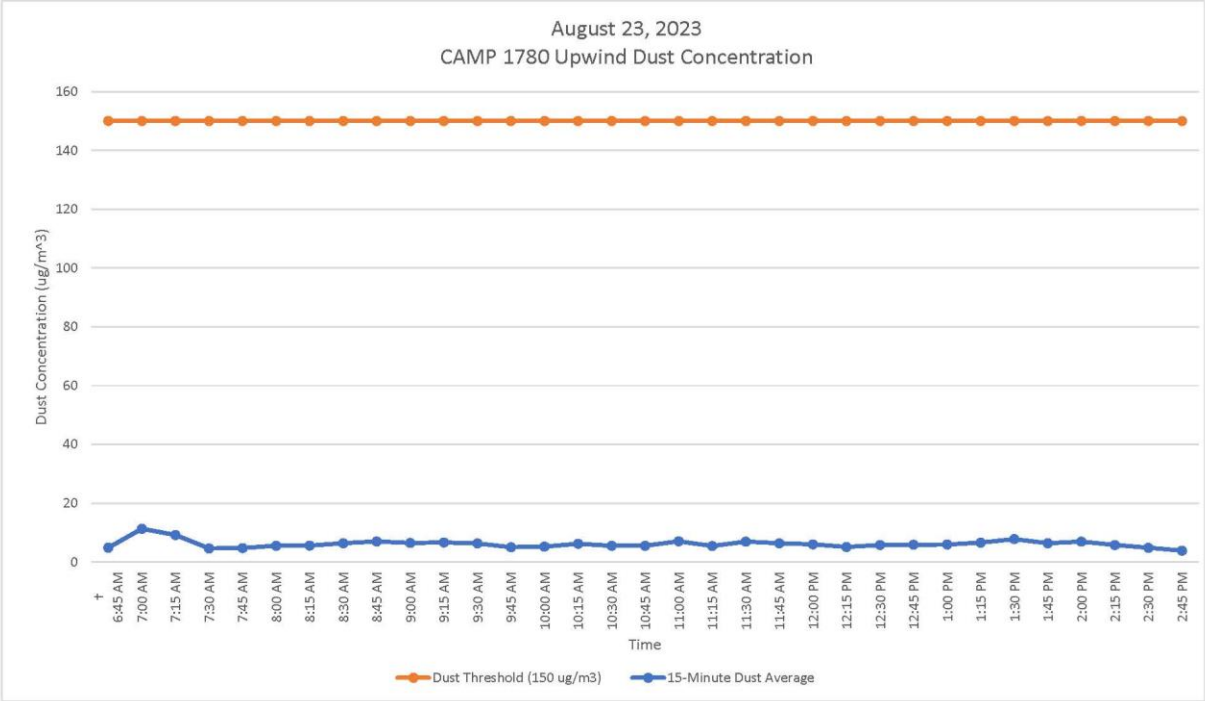
Background Readings:

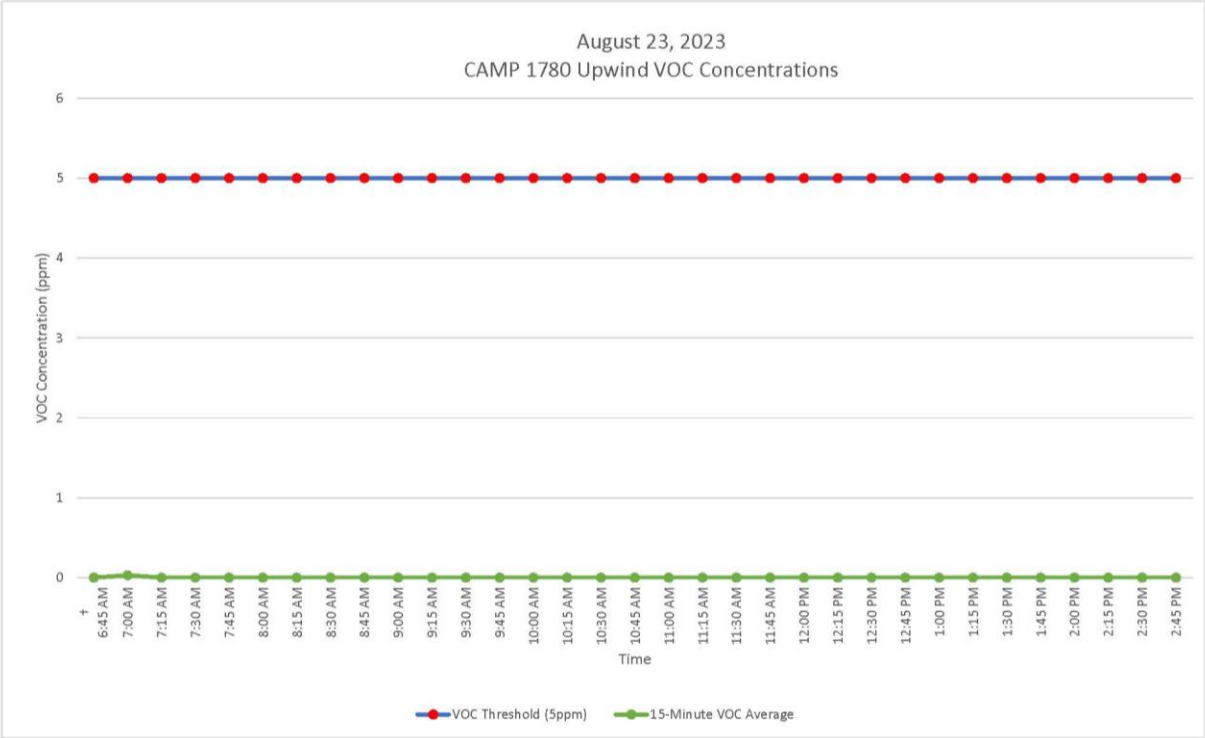
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 4.88
Data Ram 2: 4.75

GZA DAILY FIELD SUMMARY 23

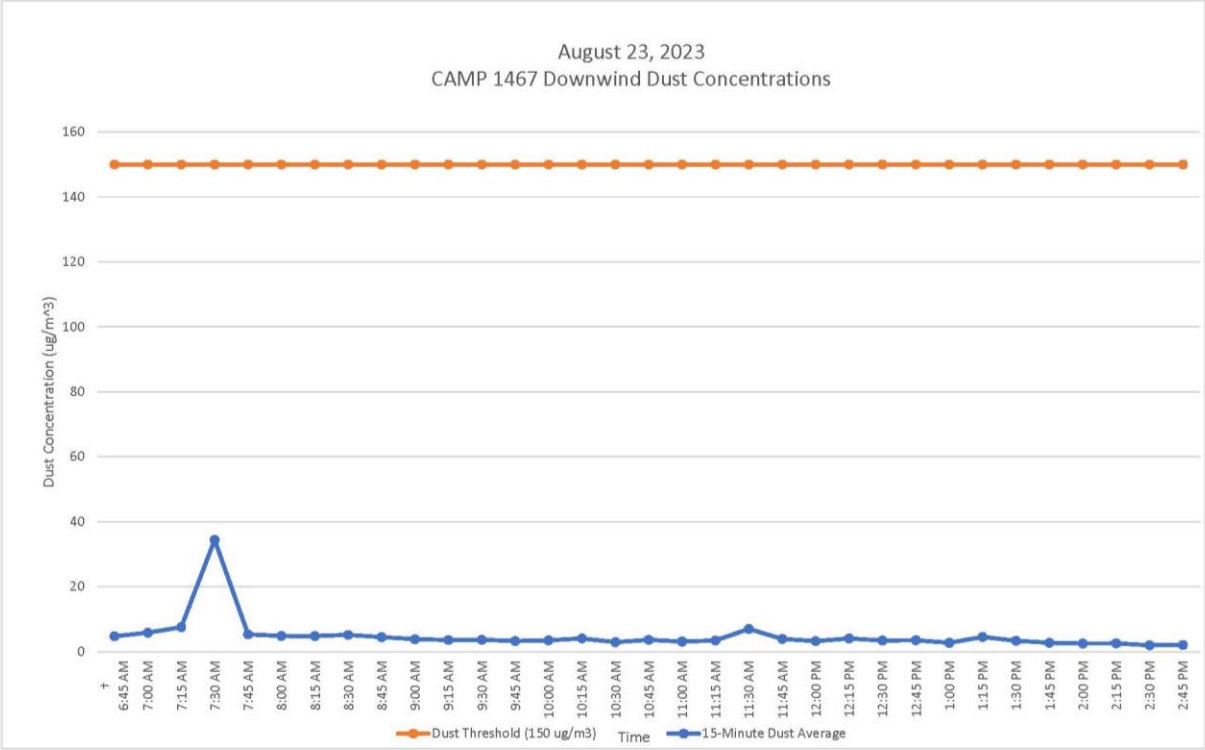
DATE: 8/23/2023
FILE NO: 41.0163097.00

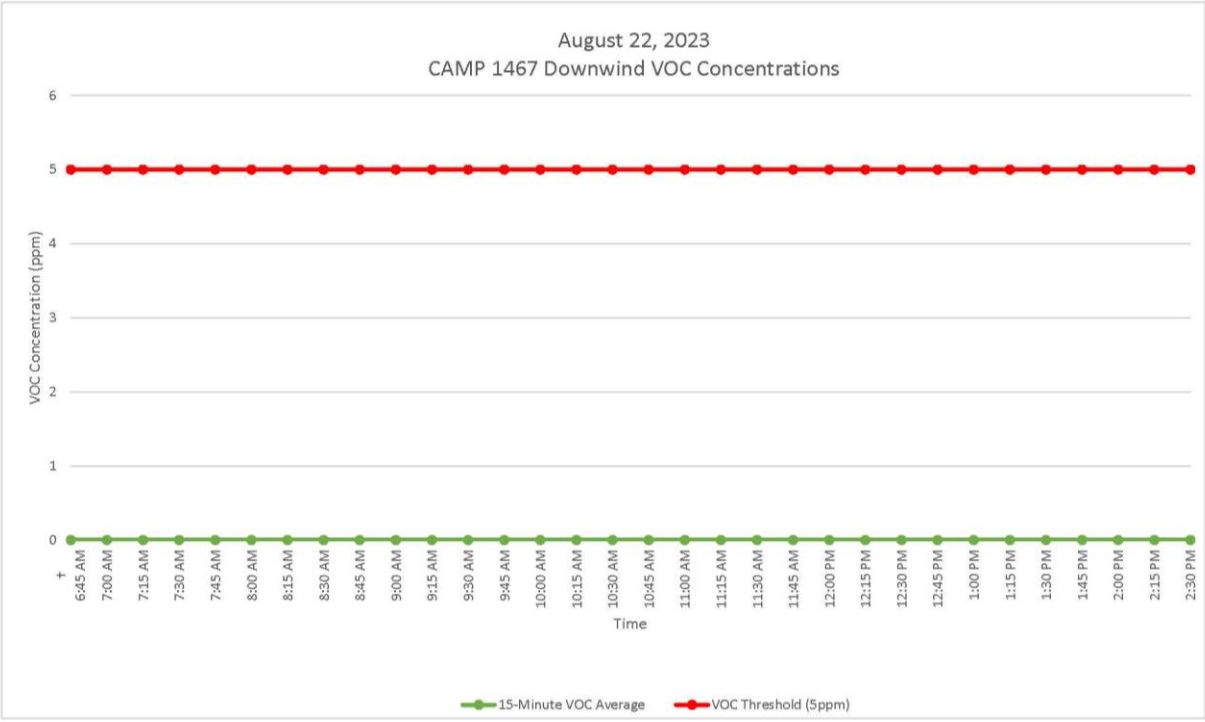




GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	21	420	21	420
Previous	53	1060	251	5,020	304	6,080
Total	**53**	**1060**	**272**	**5,440**	**325**	**6,500**

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	71.8°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	61.4°F
		MAX WIND SPEED	20 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Material Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, August 24, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 8/24/2023

Work Location (Attachment A): Grid B4, C3, C4, C5, D2, D3, and D5.

1. Soil Solutions continued Pile driving in grids C3, C4, D2, and D3.
2. J&A Concrete performed demolition of asphalt surface at grids C5 and D5.
3. J&A Concrete performed excavation at grid C5. Excavated soils were stockpiled on plastic at grid B5 and covered at the end of the day.
4. Two truckloads of ASTM #2 (2 ½") stones from Stavola Construction Materials, Inc. were delivered and stockpiled in B4 by Shamrock Materials, LLC. The stones were then spread over the truck wash area in grid B4.
5. Loadout of asphalt from grids C5 and D5. 1 truckload of asphalt was transported to Faztec Industries in Staten Island, New York.
6. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.01 ppm, Particulates: 5.76 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 9.78 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

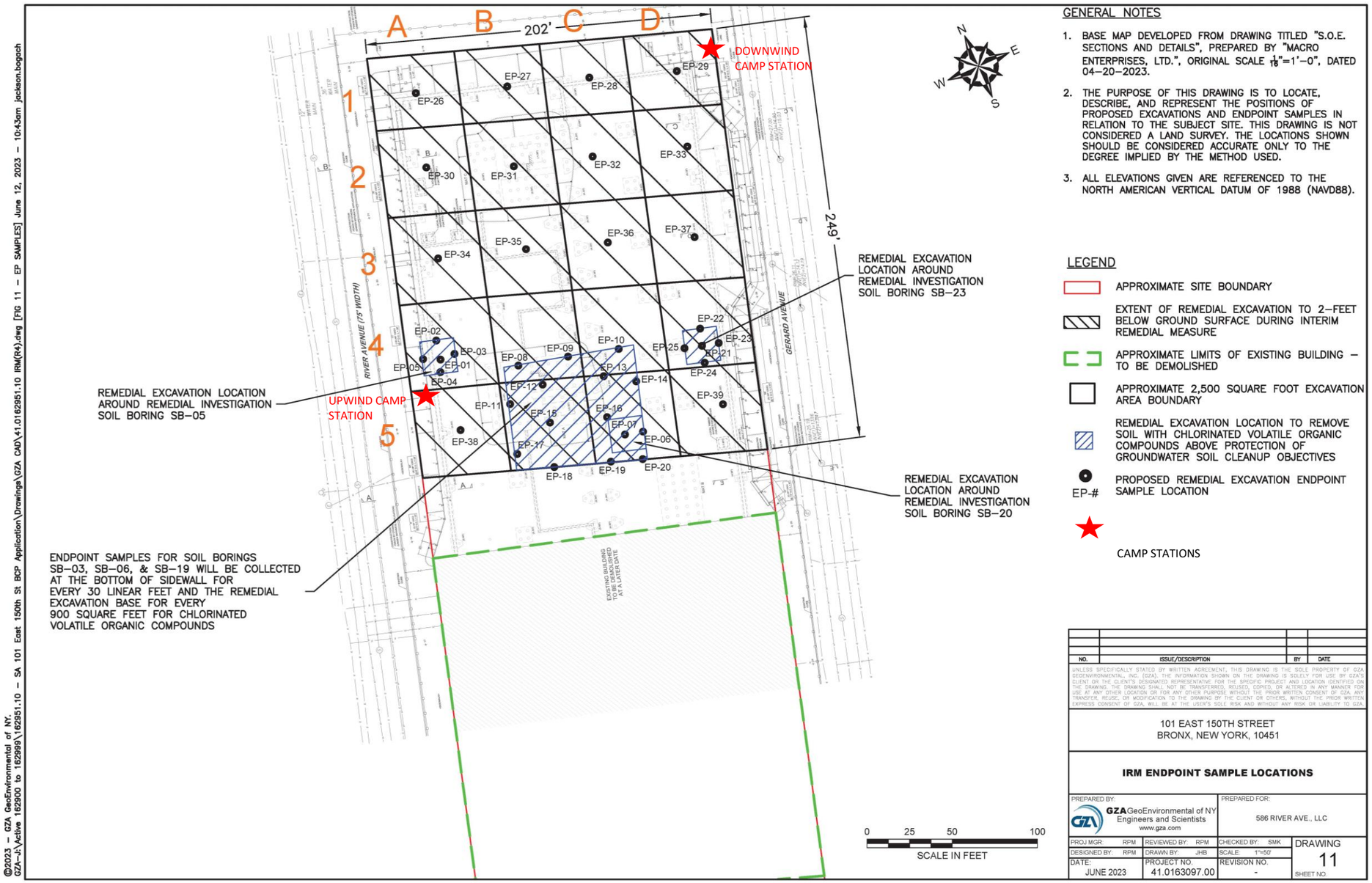
TOTAL CLEAN FILL IMPORTED (Attachment E)

- Two truckloads of ASTM #2 (2 ½") stones from Stavola Construction Materials, Inc., New Jersey were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

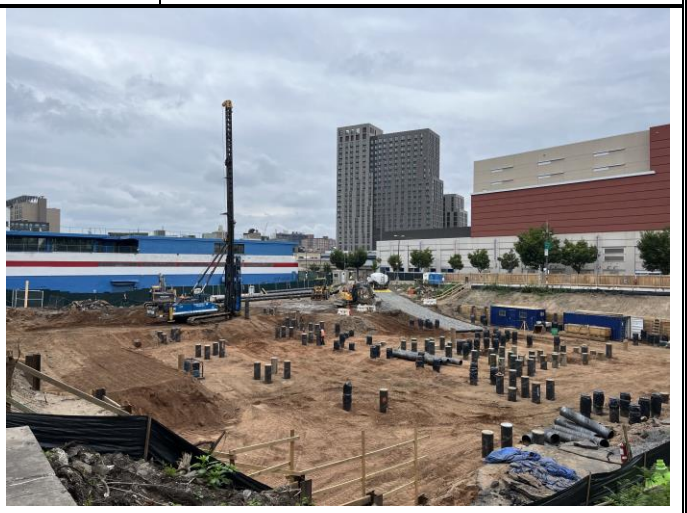
Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Soil Solution driving pile at grid C-3.		**Description:** Delivery of gravel at grid B-4.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** Southeast
Description: J&A loading asphalt into truck for transport off-site.		**Description:** Excavation at grid C5.	

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
5	Southeast	**6**	Southwest

Description: Stockpile being covered at the end of the day.



Description: Overview of Site at the end of the day.

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 24, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

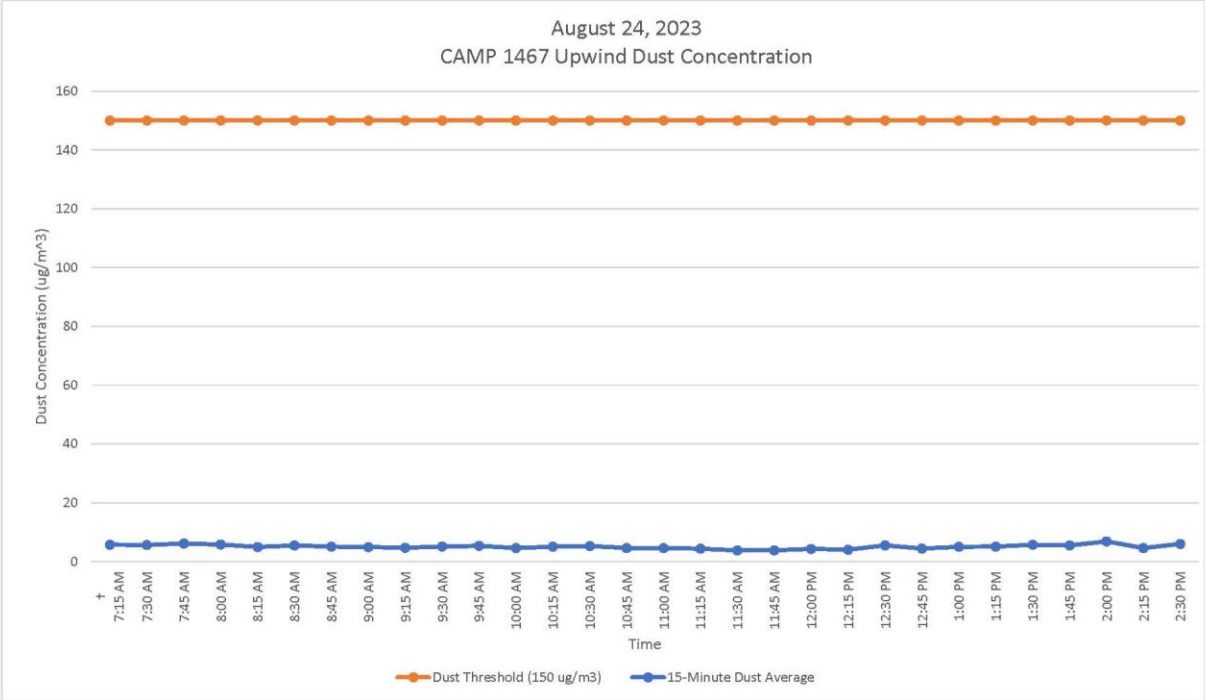
PID 1: 0.0
PID 2: 0.0

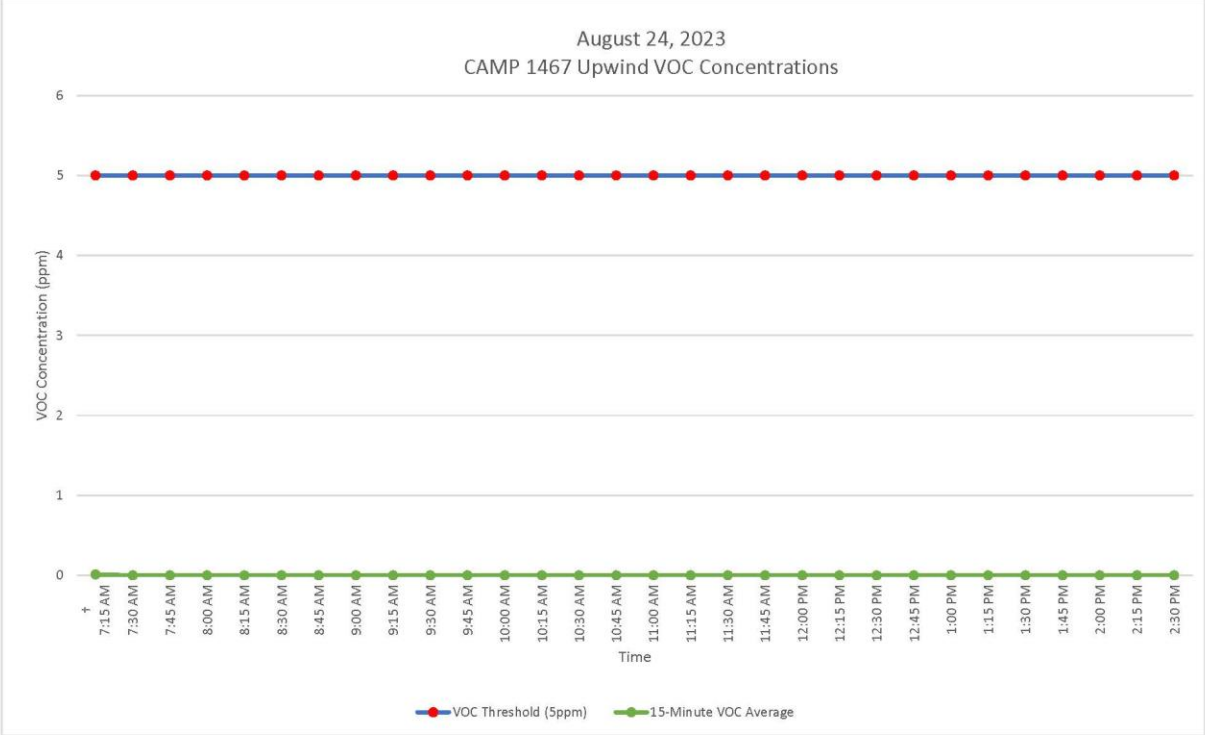
Data Ram 1: 5.76
Data Ram 2: 5.41

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023

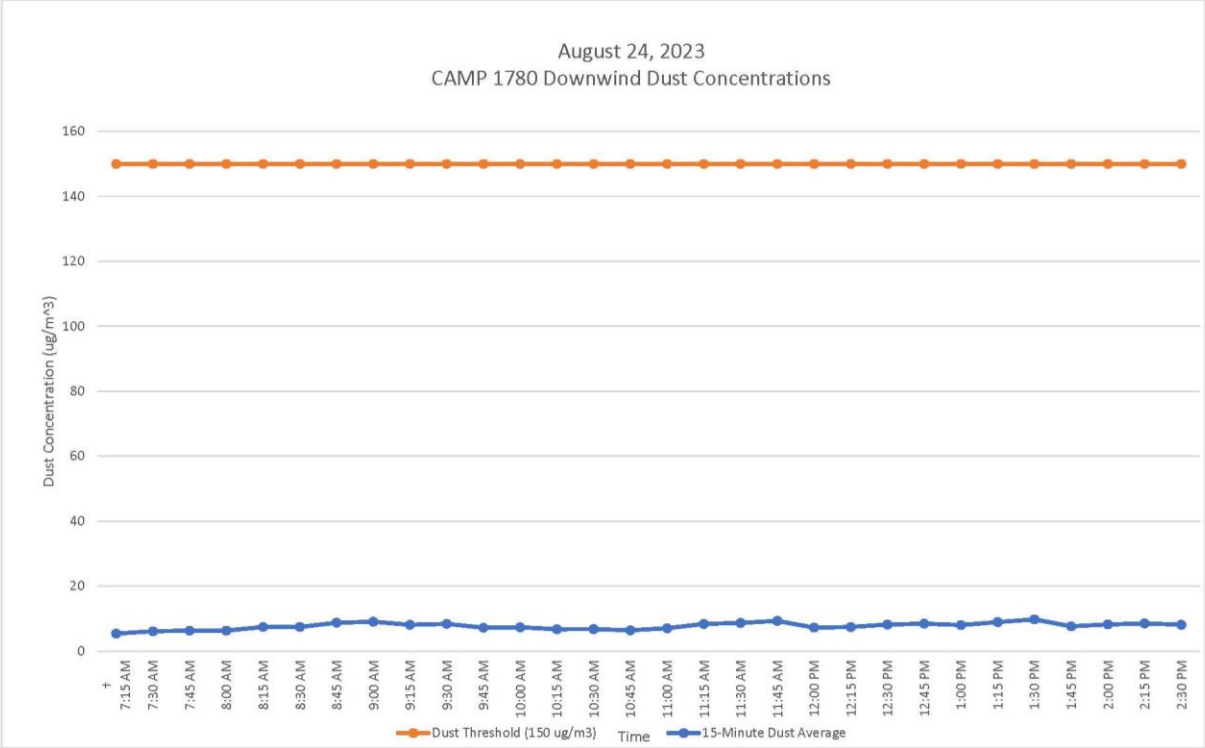
FILE NO: 41.0163097.00

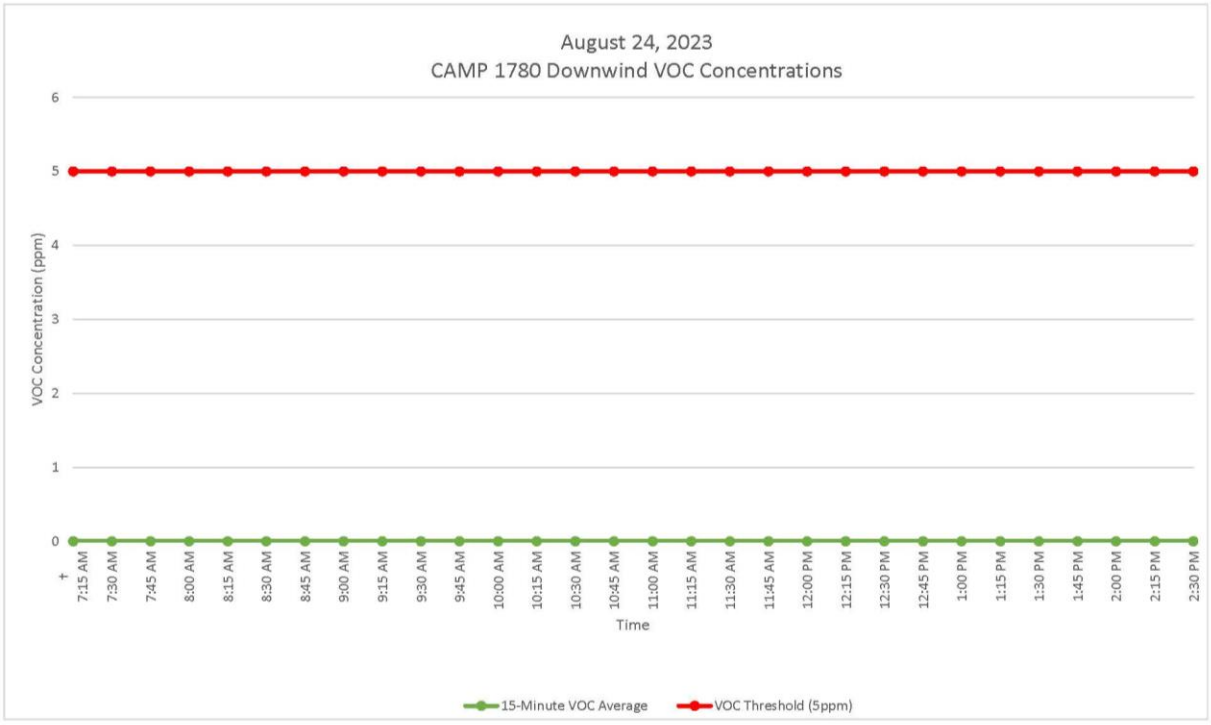




GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	53	1060	272	5,440	325	6,500
Total	**53**	**1060**	**272**	**5,440**	**325**	**6,500**

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	2	52.30	2	52.30
Previous	0	0	0	0
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast/Light Rain
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	72.39°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	68.61°F
		MAX WIND SPEED	15 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.44 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, August 25, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 8/25/2023

Work Location (Attachment A): Grid A5, B5, D2, D3, D4 and D5.

1. Soil Solutions continued Pile driving in grids D2, D3 and D4.
2. J&A Concrete performed excavation at grid D5. Excavated soils were stockpiled on plastic at grid D5 and covered at the end of the day.
3. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.
4. Approximately 10 additional piles delivered to the Site and stored in grids A5 and B5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.07 ug/m^3
High Conditions – PID: 0.00 ppm, Particulate 14.44 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

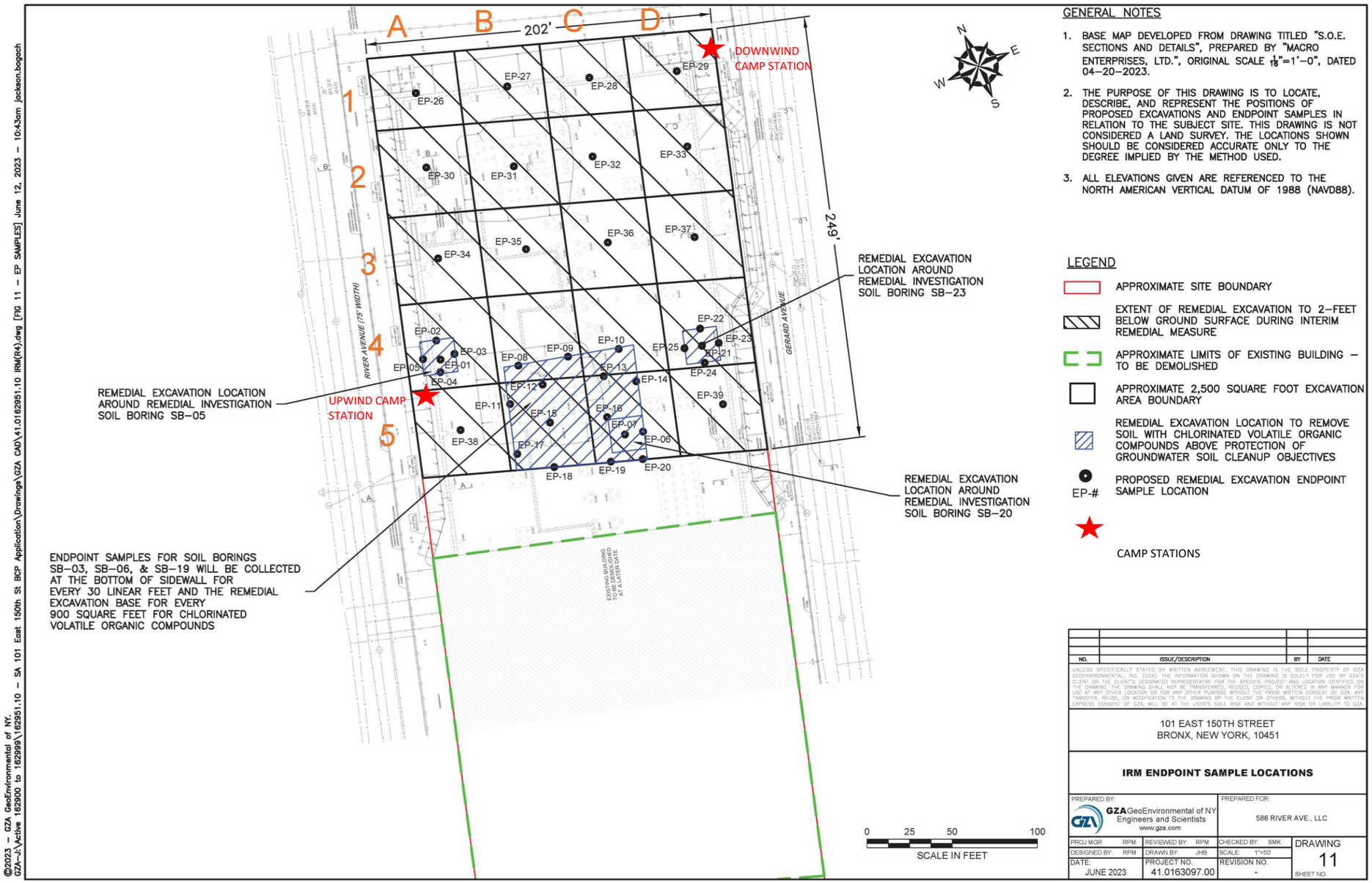
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK		DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'		SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -		

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken Southeast
Description: Soil Solutions driving pile at grid D-3.		**Description:** J&A excavating soil in grid D-5.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No. 4**	**Direction Photo Taken** North
Description: J&A loading C&D debris into truck for transport off-Site.		**Description:** Additional piles being delivered to the Site.	

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
5	Southeast	**6**	Southwest
Description: Stockpiles covered at end of the day.		**Description:** Overview of Site at the end of the day.	

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 25, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

PID 1: 0.0
PID 2: 0.0

Data Ram 1: 9.07
Data Ram 2: 8.63

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

101 E 150th St
Interim Remedial Measure
Air Monitoring Logs
August 25, 2023

CAMP 1780 Upwind CAMP Station			CAMP 1467 Downwind CAMP Station		
Time	Dust - 15 min Average (ug/m3)	VOCs - 15 min Average (ppm)	Time	Dust - 15 min Average (ug/m3)	VOCs - 15 min Average (ppm)
7:00 AM †	8.485	0.00	7:00 AM †	9.432	0.00
7:15 AM	5.326	0.00	7:15 AM	8.591	0.00
7:30 AM	5.817	0.00	7:30 AM	7.406	0.00
7:45 AM	6.066	0.00	7:45 AM	5.893	0.00
8:00 AM	8.158	0.00	8:00 AM	7.219	0.00
8:15 AM	10.110	0.00	8:15 AM	6.804	0.00
8:30 AM	9.803	0.00	8:30 AM	7.409	0.00
8:45 AM	10.024	0.00	8:45 AM	8.475	0.00
9:00 AM	11.348	0.00	9:00 AM	8.061	0.00
9:15 AM	10.601	0.00	9:15 AM	7.101	0.00
9:30 AM	7.856	0.00	9:30 AM	6.598	0.00
9:45 AM	7.464	0.00	9:45 AM	7.835	0.00
10:00 AM	7.336	0.00	10:00 AM	7.426	0.00
10:15 AM	7.620	0.00	10:15 AM	7.650	0.00
10:30 AM	9.122	0.00	10:30 AM	7.407	0.00
10:45 AM	11.306	0.00	10:45 AM	7.682	0.00
11:00 AM	9.120	0.00	11:00 AM	8.089	0.00
11:15 AM	11.514	0.00	11:15 AM	8.781	0.01
11:30 AM	12.887	0.00	11:30 AM	8.542	0.00
11:45 AM	14.373	0.00	11:45 AM	8.149	0.00
12:00 PM	12.721	0.00	12:00 PM	6.817	0.00
12:15 PM	14.442	0.00	12:15 PM	7.257	0.00
12:30 PM	12.837	0.00	12:30 PM	8.075	0.00
12:45 PM	12.579	0.00	12:45 PM	8.441	0.00
1:00 PM	13.674	0.00	1:00 PM	8.300	0.00
1:15 PM	12.010	0.00	1:15 PM	8.752	0.00
1:30 PM	12.308	0.00	1:30 PM	8.406	0.00
1:45 PM	10.988	0.00	1:45 PM	8.510	0.00
2:00 PM	12.016	0.00	2:00 PM	9.460	0.00
2:15 PM	12.818	0.00	2:15 PM	9.639	0.00

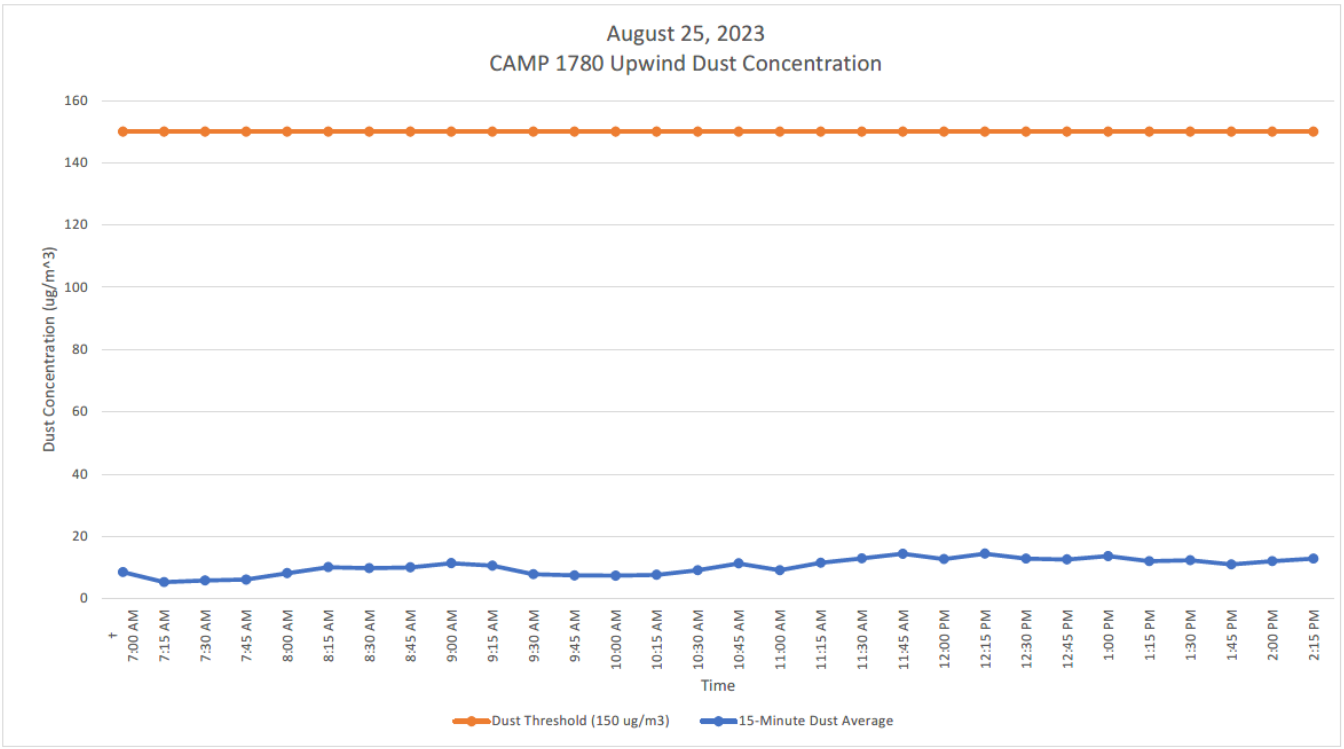
NOTE

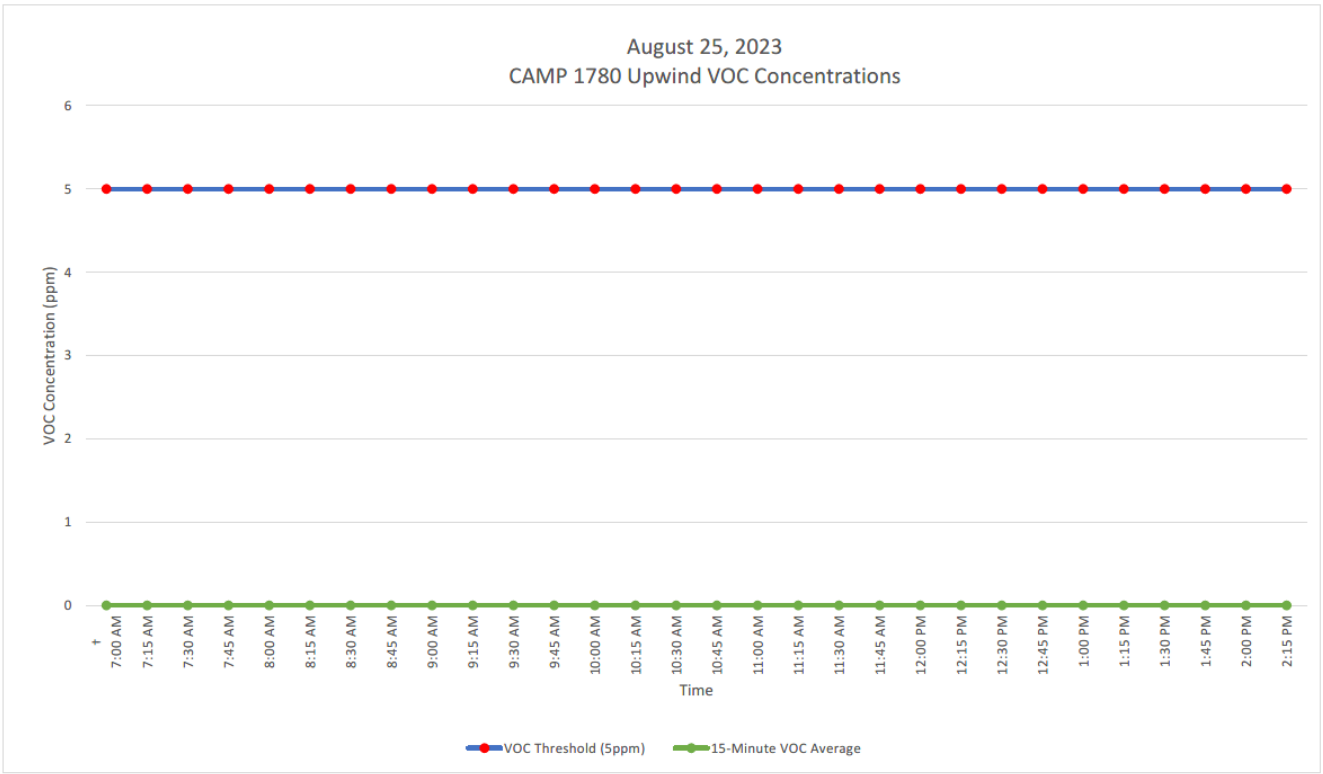
† Not a 15-minute time weighted average.

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023

FILE NO: 41.0163097.00

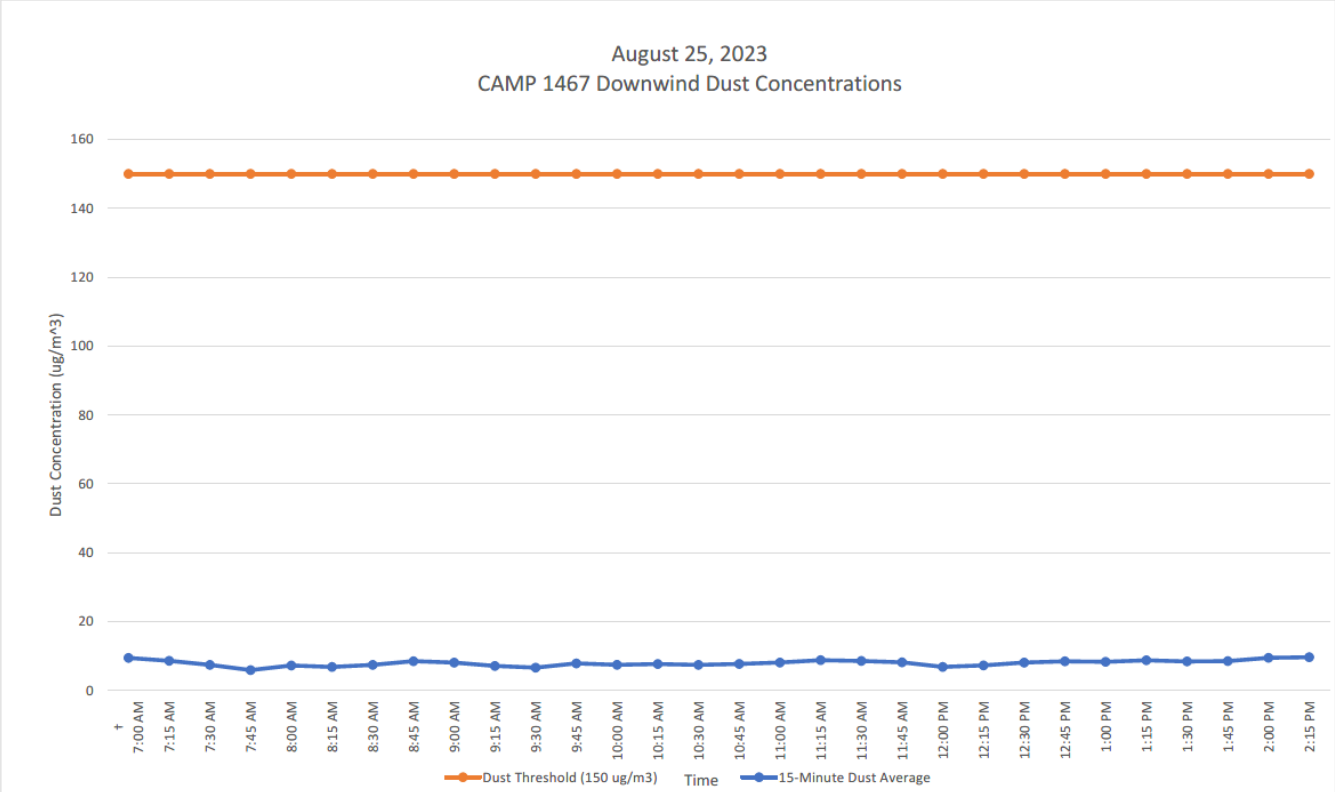


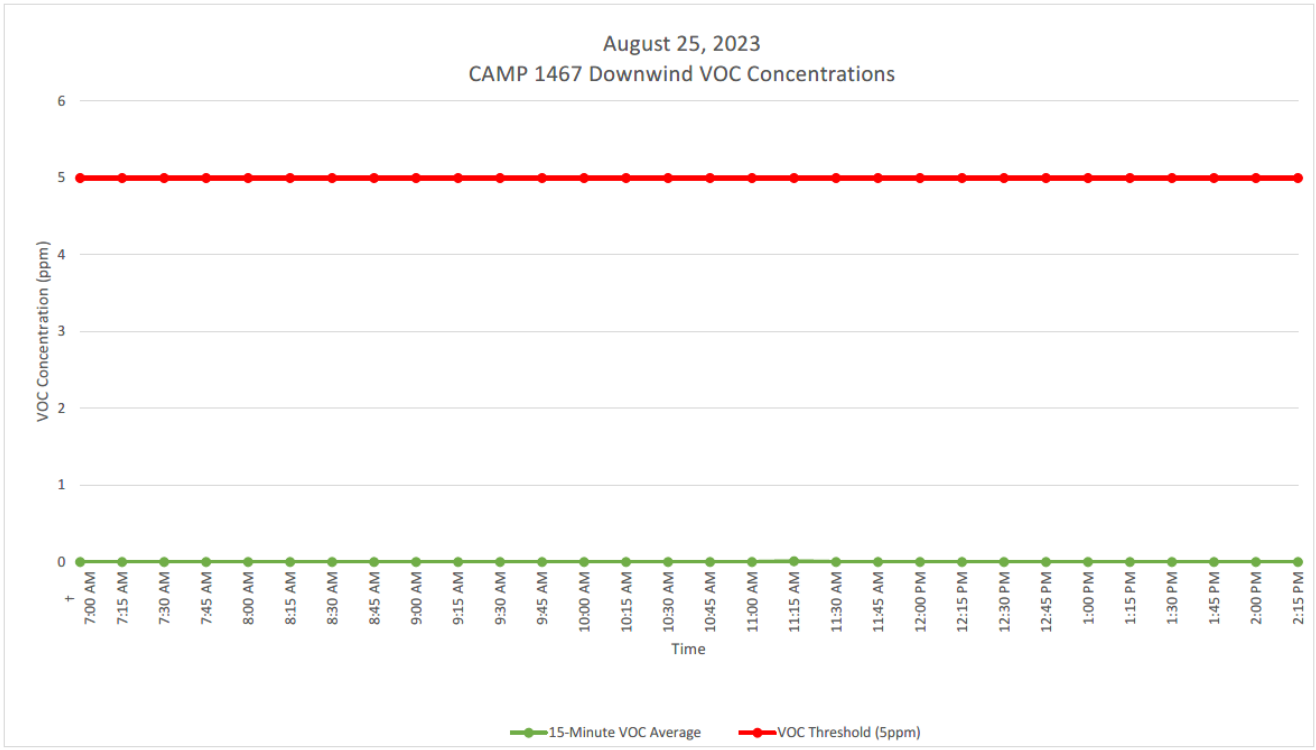


GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	53	1060	272	5,440	325	6,500
Total	**53**	**1060**	**272**	**5,440**	**325**	**6,500**

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	73.38°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	64.67°F
		MAX WIND SPEED	12 mph from ESE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Material Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, August 28, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 8/28/2023

Work Location (Attachment A): Grid A5, B2, B5, C5, D2, D3, and D5.

1. Loadout of stockpiled soil excavated from Grids C5 (0-5 ft bgs) and D5 (0-3 ft bgs).
   1 truckload of soil (approximately 20 cubic yards) was transported to Clean Earth of North Jersey, New Jersey.
   11 truckloads of soil (approximately 220 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
   5 truckloads of soil (approximately 100 cubic yards) were transported to PPark in Prospect Park, New Jersey.
2. Excavation of soil from D5 and stockpiling in C5. Excavated soils were covered at the end of the day.
3. Soil Solutions continued Pile driving in grids B2, D2, and D3.
4. Approximately 10 additional piles delivered to the Site and stored in grids A5 and B5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 11.44 ug/m^3
High Conditions – PID: 3.35 ppm, Particulates: 14.59 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 1 truck of excavated materials was transported to Clean Earth of North Jersey, NJ.
- 11 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.
- 5 trucks of excavated materials were transported to PPark in Prospect Park, NJ.

TOTAL CLEAN FILL IMPORTED (Attachment E)

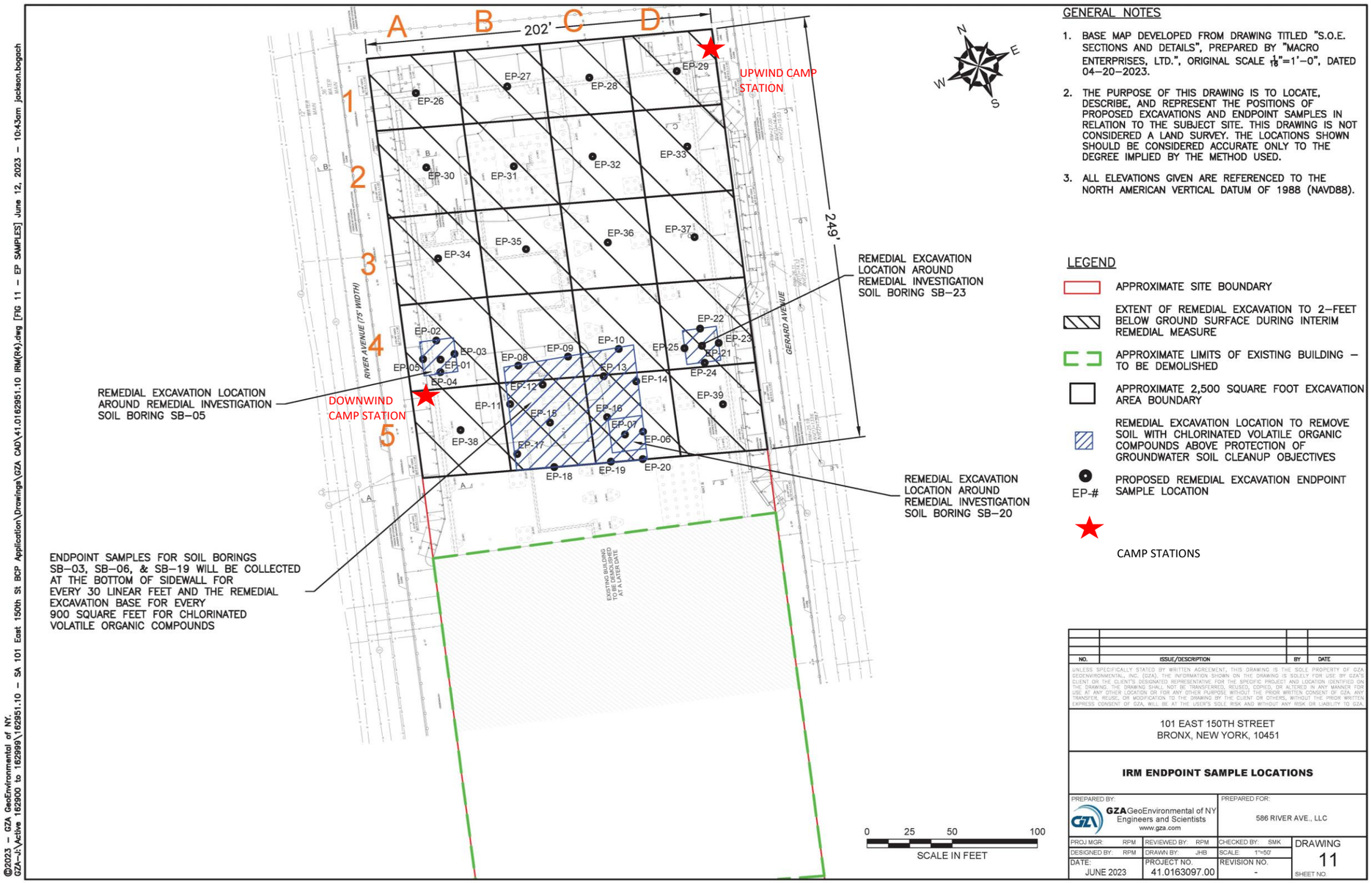
- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023

FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/8"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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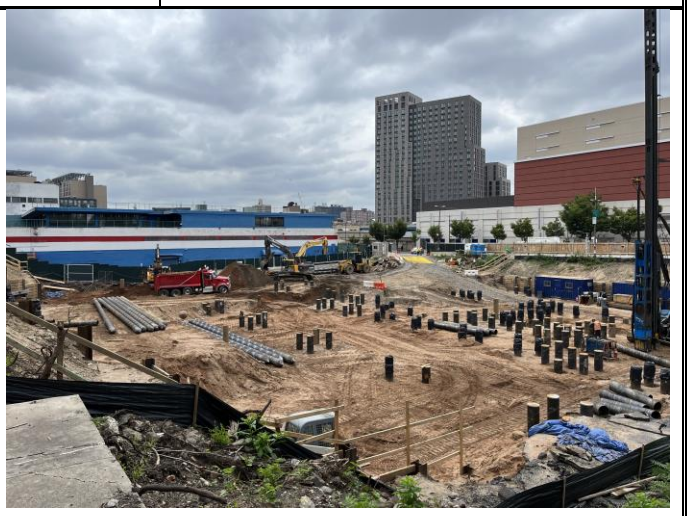
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 26

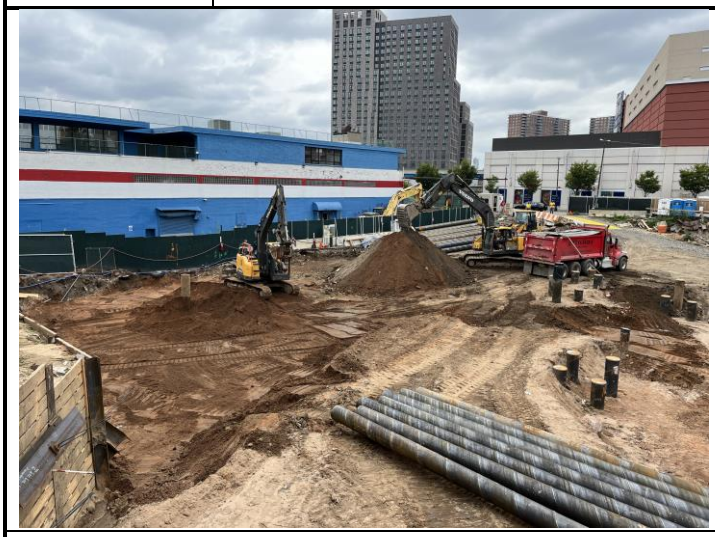
DATE: 8/28/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** North
Description: J&A Concrete loading up trucks with soil for transport to disposal facilities.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** Southwest
			
Description: Soil Solution driving pile at grid D-2.		**Description:** Overview of Site towards the end of the day.	

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

Photo No. 5	Direction Photo Taken: Southwest	Photo No. 6	Direction Photo Taken Northeast
			
Description: Overview of excavated southeastern portion of the site.		**Description:** Stockpile covered at the end of the day.	

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 28, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

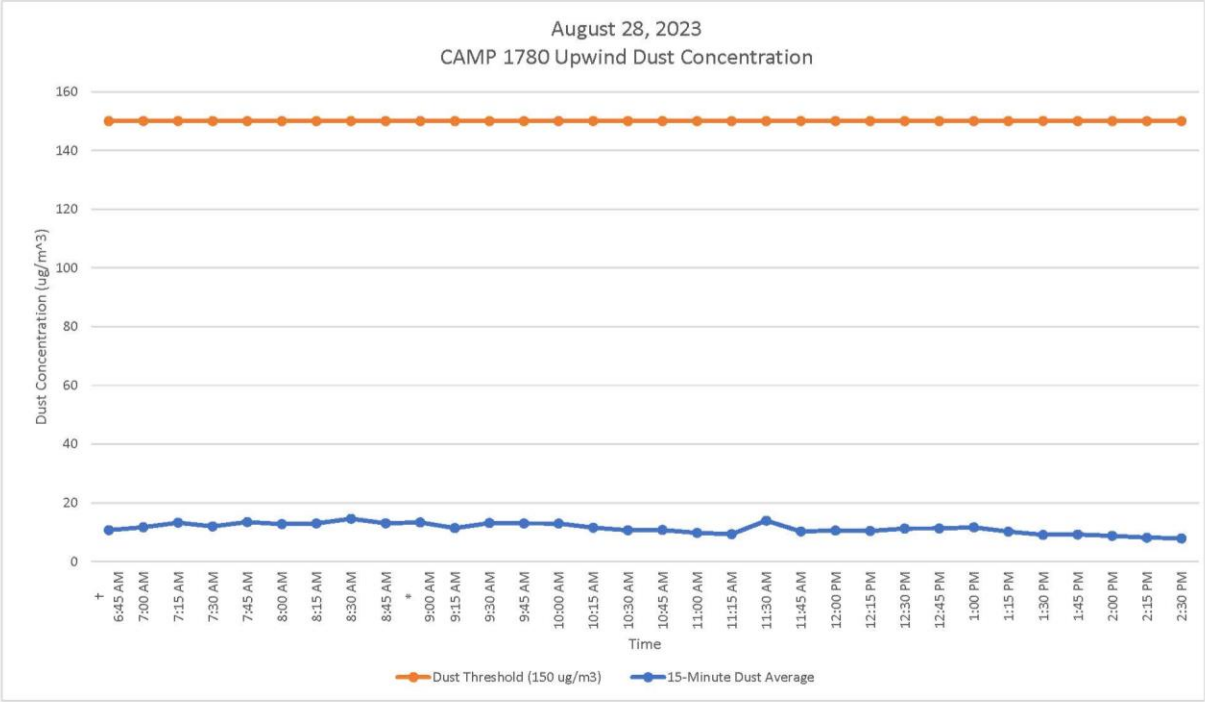
Background Readings:
PID 1: 0.0
PID 2: 0.0

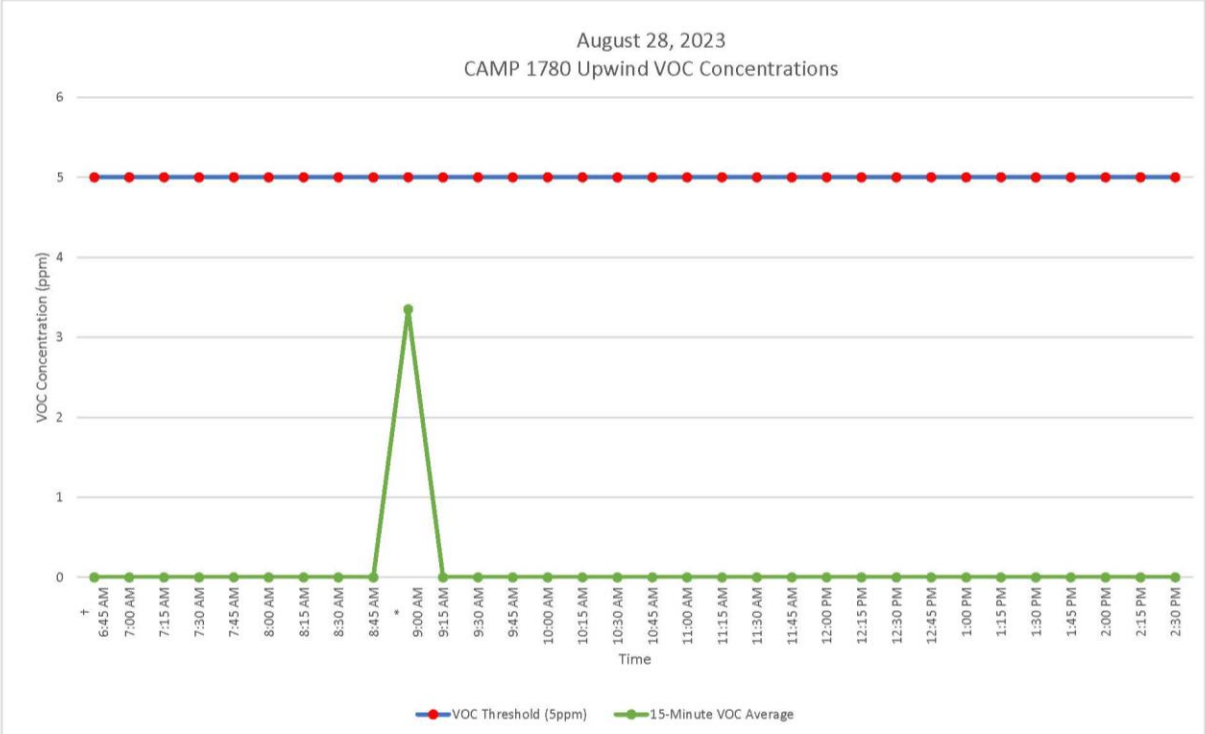
Data Ram 1: 10.72
Data Ram 2: 11.44

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023

FILE NO: 41.0163097.00

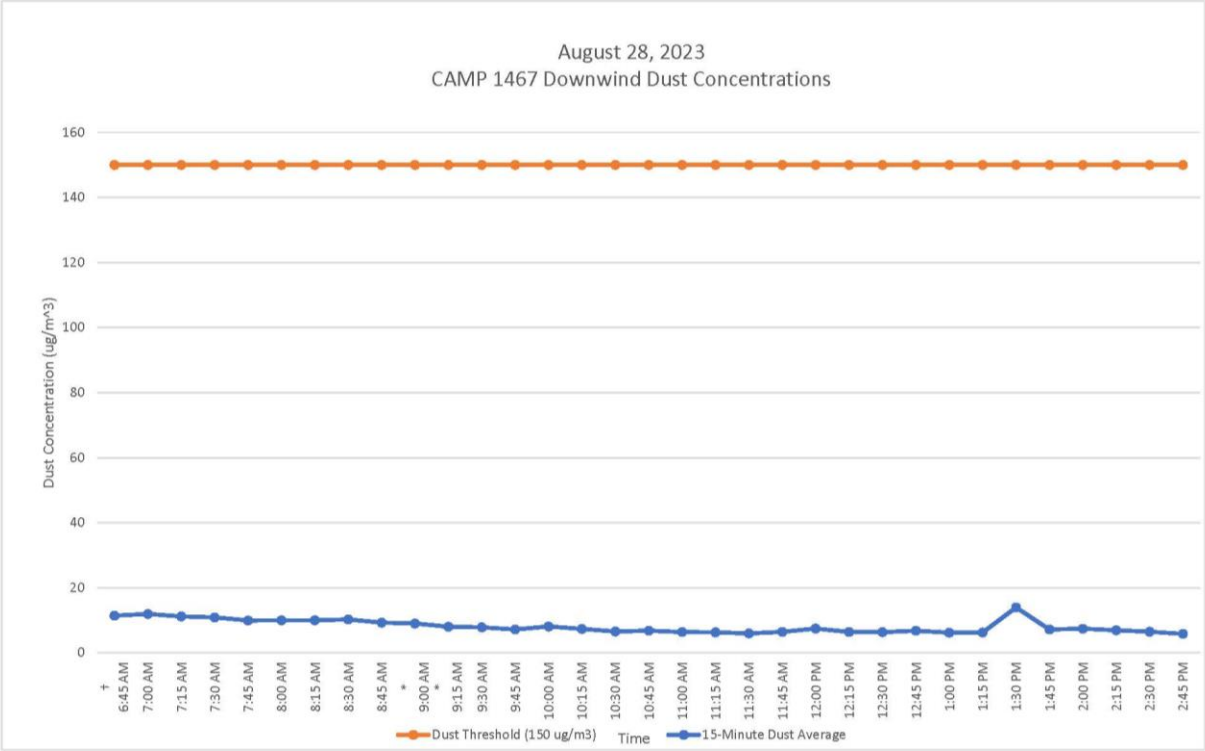


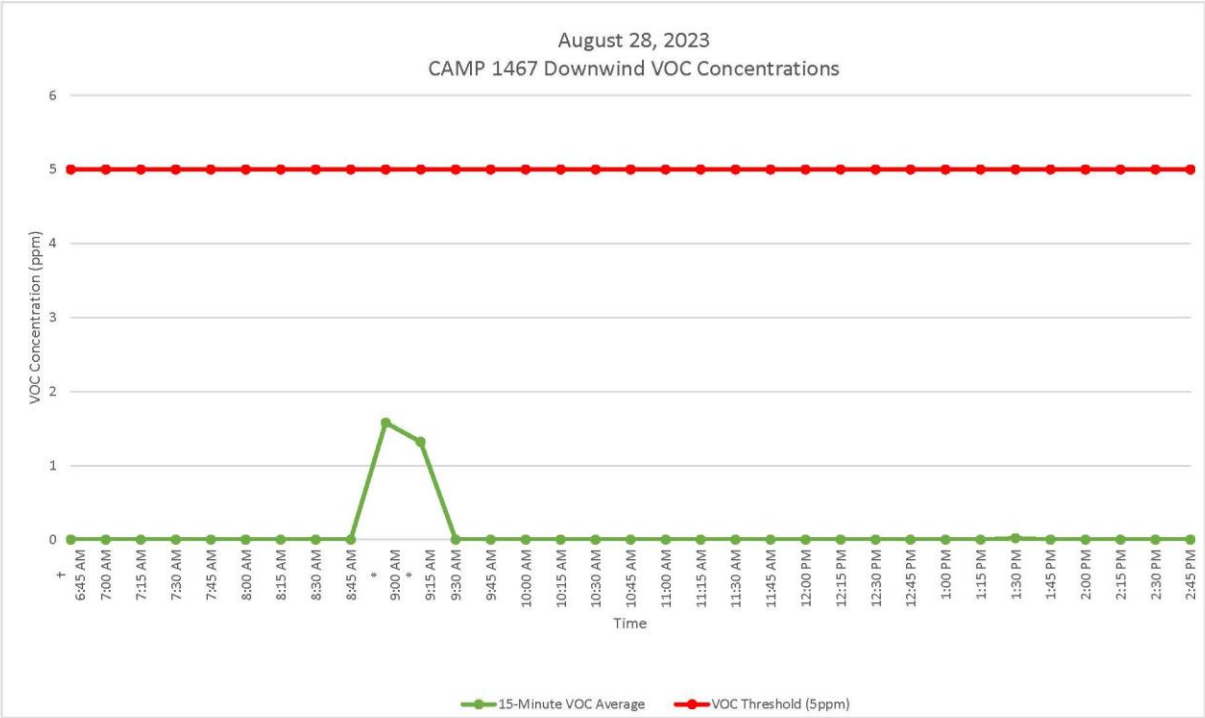


GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	5	100	11	220	1	20	17	340
Previous	53	1060	272	5,440	0	0	325	6,500
Total	**58**	**1160**	**283**	**5,660**	**1**	**20**	**342**	**6,840**

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	71.73°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	65.32°F
		MAX WIND SPEED	14 mph from ENE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Material Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, August 29, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Soil Solutions	
	Cousin Metals Inc.	
	Independence Carting	
SITE VISITORS:	**J&A Concrete**	
	Antonio Martins	

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 8/29/2023

Work Location (Attachment A): Grid A4, A5, B5, C3, C4, C5, D2, D3, D4, and D5

1. Loadout of stockpiled soil excavated from Grids C4 and C5 (0-3 ft bgs) as well as C4, D5, D4 and D5 (3-5 ft bgs). 15 truckloads of soil (approximately 300 cubic yards) were transported to Clean Earth of Carteret, New Jersey. 9 truckloads of soil (approximately 180 cubic yards) were transported to PPark of Prospect Park, New Jersey.
2. Soil Solutions continued Pile driving in grids C3 and D5.
3. Demolition of portions of the old foundation wall at grids B5 and C5. Demolition debris was stockpiled at grid B5 before loaded onto a roll-off container for transport offsite.
4. Relocation of piles stored in grids A5 and B5 to grids D2 and D3.
5. J&A backfilled the western section of grid A4 with soil from grid D4 (0-3 ft bgs) in preparation for dewatering.
6. Cousins Metal Industries Inc. transported one roll-off container of cut piles off-Site.
7. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.88 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 12.01 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 15 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.
- 9 trucks of excavated materials were transported to PPark in Prospect Park, NJ.

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

TOTAL CLEAN FILL IMPORTED (Attachment E)

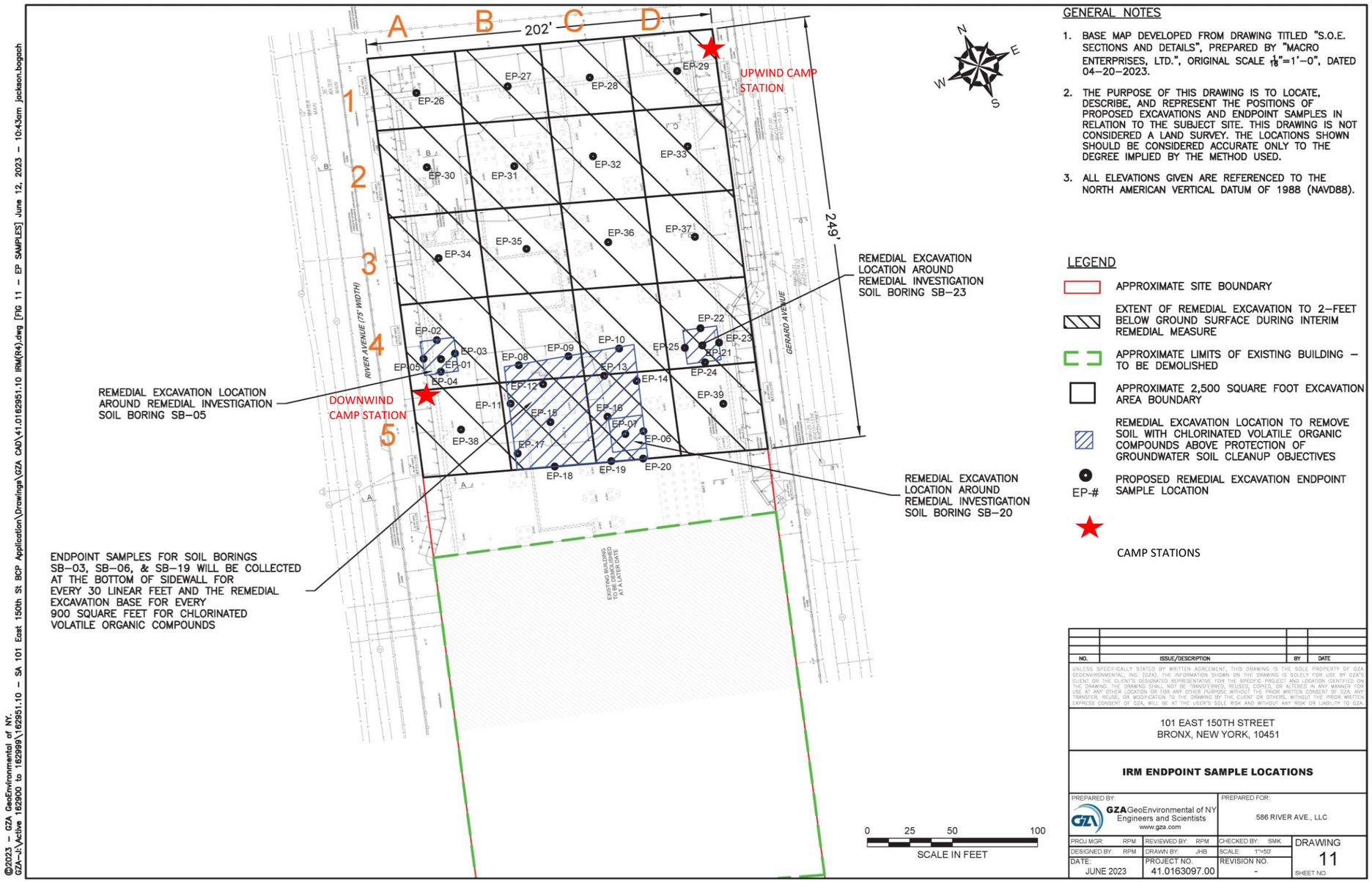
- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023

FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT, OR THE CLIENT'S DESIGNATED REPRESENTATIVE, FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 27

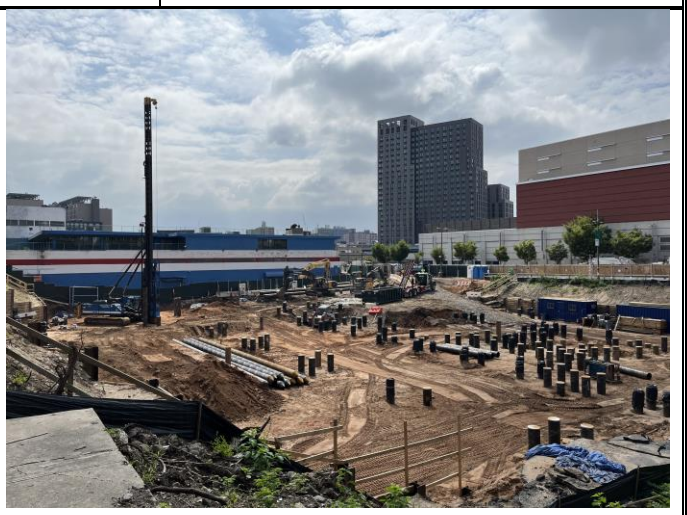
DATE: 8/29/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken North
Description: J&A Concrete loading trucks with soil for transport to disposal facilities.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No. 4**	**Direction Photo Taken** Northwest
Description: Soil Solution driving pile at grid D-5.		**Description:** Backfilling on the western section of grid A-4.	

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

Photo No. 5	Direction Photo Taken: Southeast	Photo No. 6	Direction Photo Taken Southwest
			
Description: Demolition debris loaded onto a roll-off container for transport offsite.		**Description:** Overview of Site towards the end of the day.	

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 29, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

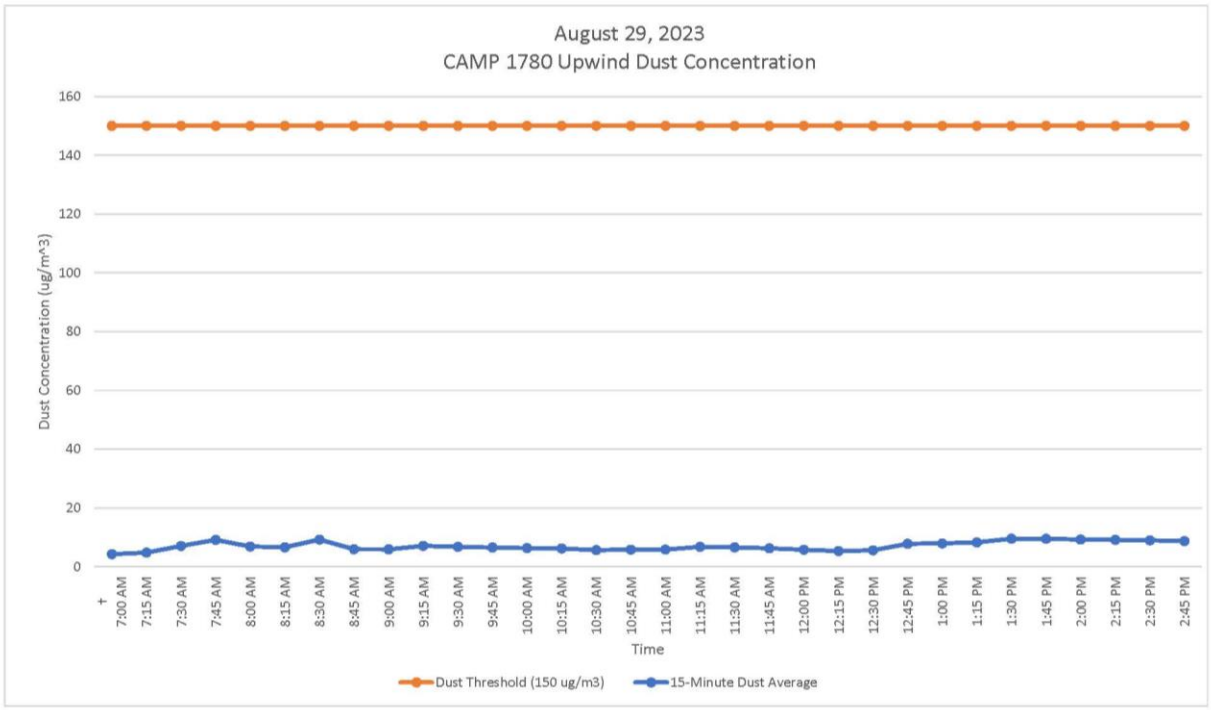
Background Readings:
PID 1: 0.0
PID 2: 0.0

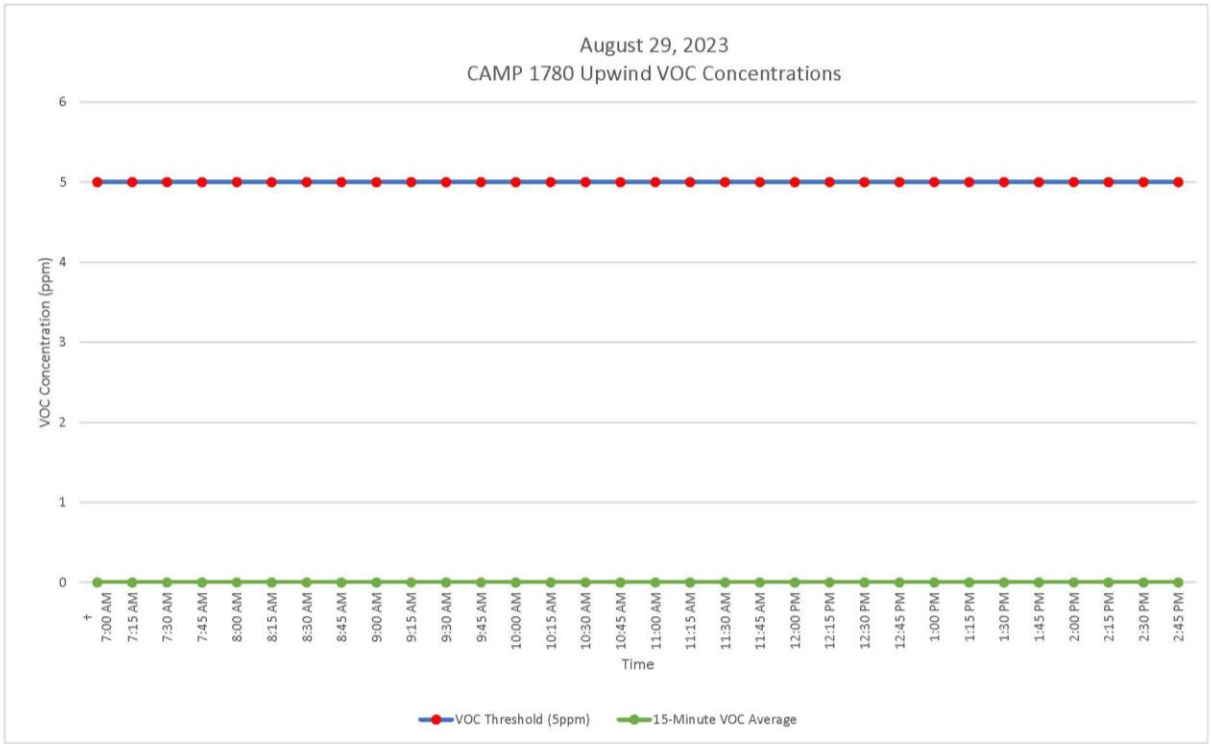
Data Ram 1: 4.29
Data Ram 2: 4.88

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023

FILE NO: 41.0163097.00

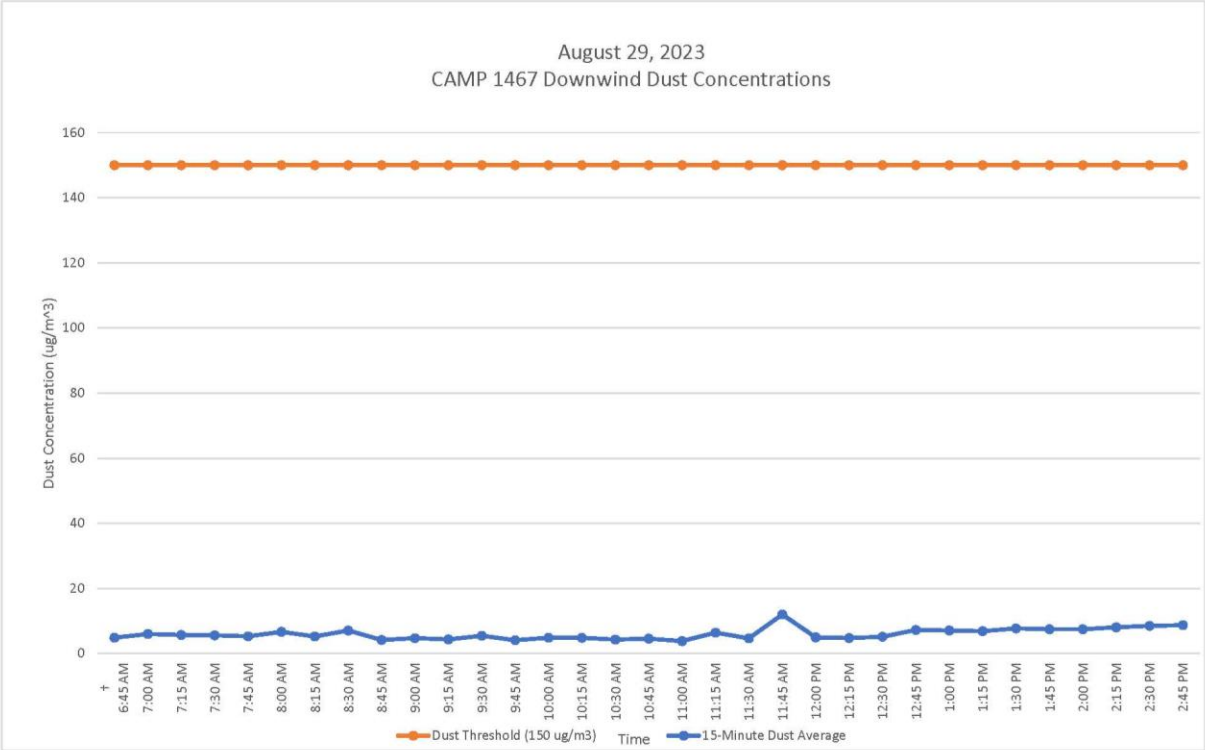


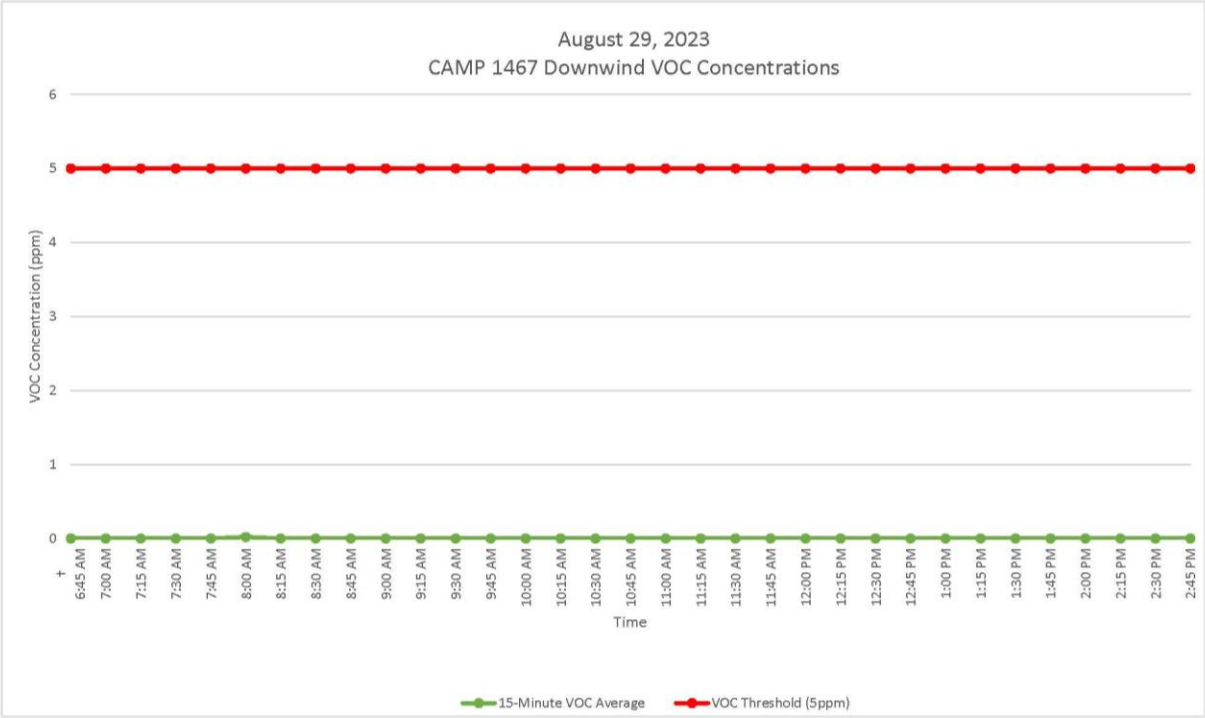


GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	9	180	15	300	0	0	24	480
Previous	58	1160	283	5,660	1	20	342	6,840
Total	**67**	**1,340**	**298**	**5,960**	**1**	**20**	**366**	**7,320**

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy/Light Rain
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	74.9°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	68.67°F
		MAX WIND SPEED	16 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Material Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, August 30, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**PT Consultants**	
	Soil Solutions	
	Independence Carting Inc.	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 8/30/2023

Work Location (Attachment A): Grid A1, C1, C2, A5, B1, B4, B5, C1, C2, C5, D1, D2, and D3.

1. Loadout of soil from Grids B5 and C5 (0-3 ft bgs) as well as soil from Grid C3 previously stockpiled along the eastern portion of Grid D3. 30 truckloads of soil (approximately 600 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. Relocation of piles stored in grids A5 and B5 to grids A1, B1, C1, C2, D1, and D2.
3. Demolition of portions of an old foundation wall at grids B5. Demolition debris was stockpiled in grid B4 before loaded onto a roll-off container for transport offsite.
4. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.50 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 14.01 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 30 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.

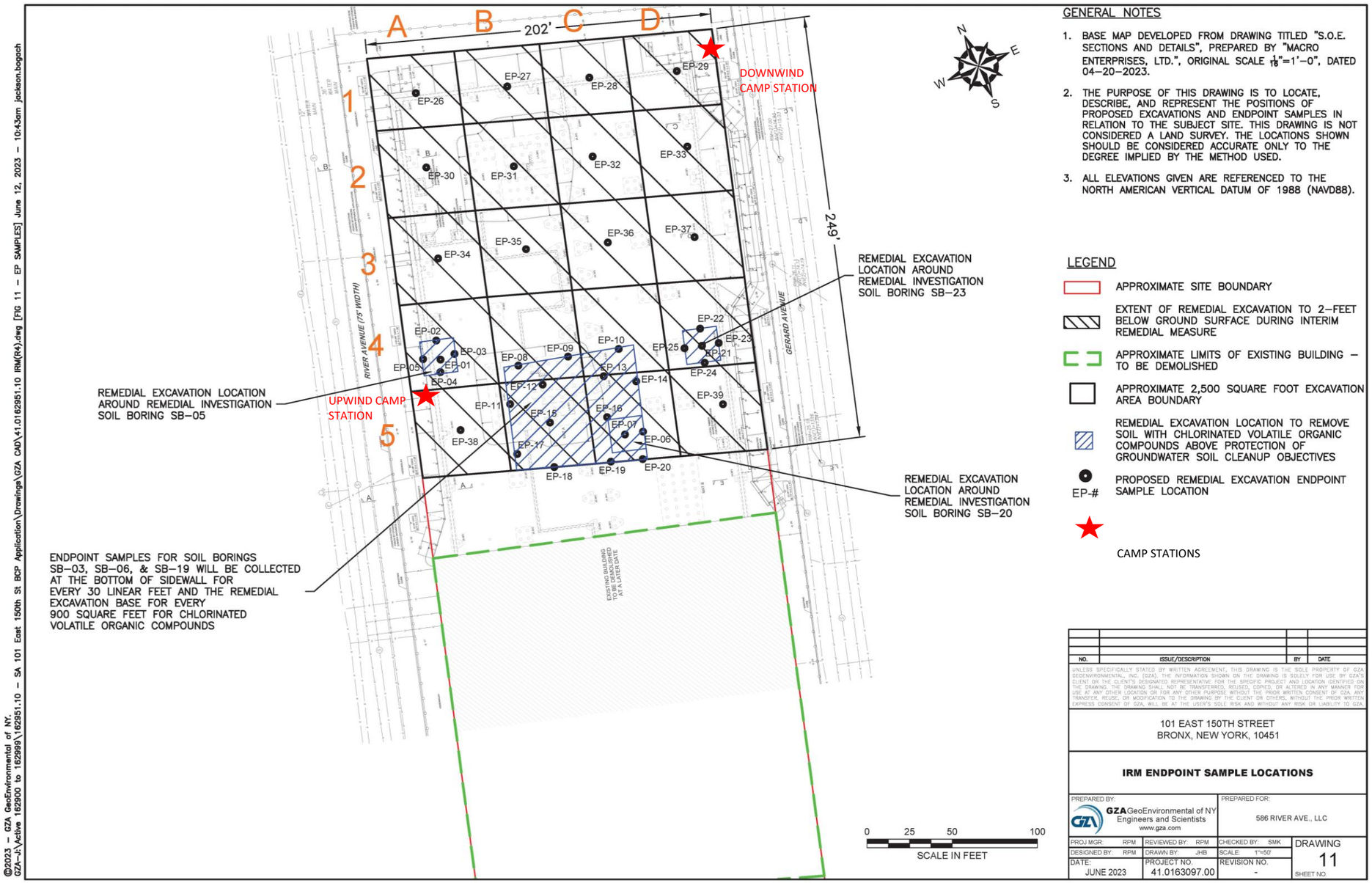
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken North
Description: J&A Concrete loading trucks with soil for transport to disposal facilities.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No. 4**	**Direction Photo Taken** Southwest
Description: Soil Solutions relocating piles.		**Description:** Overview of Site at the end of the day.	

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 30, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

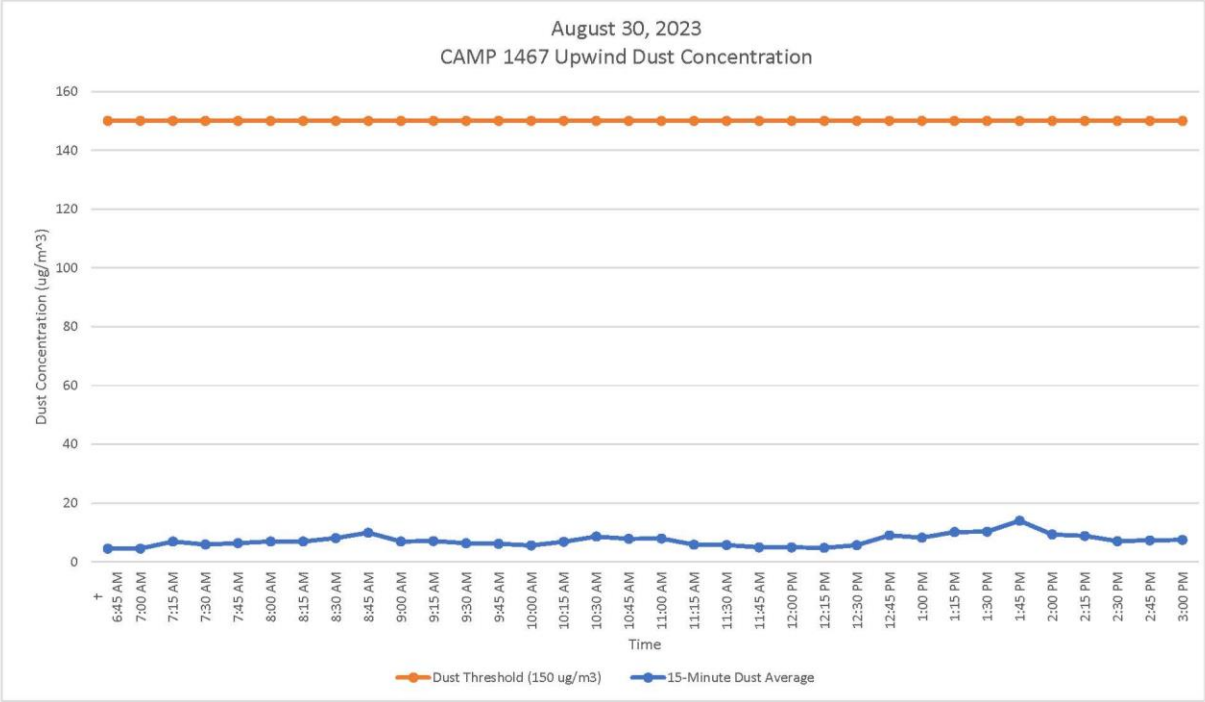
Background Readings:

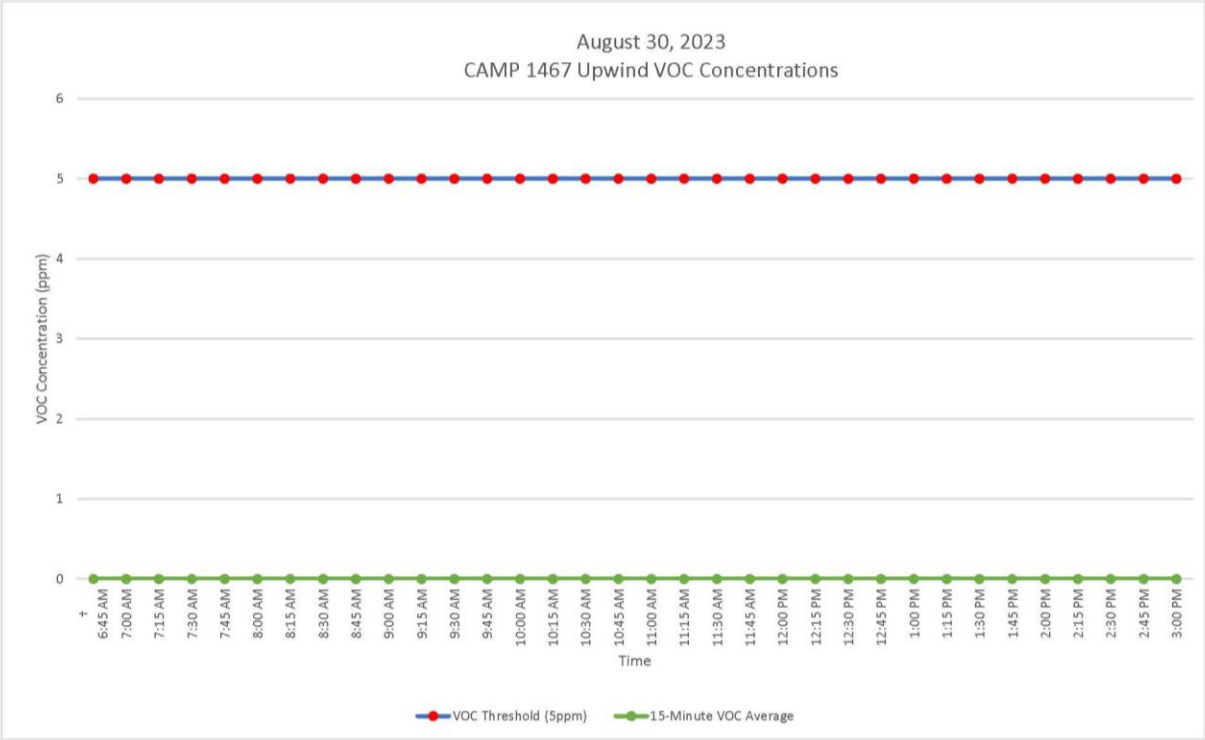
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 4.50
Data Ram 2: 3.83

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

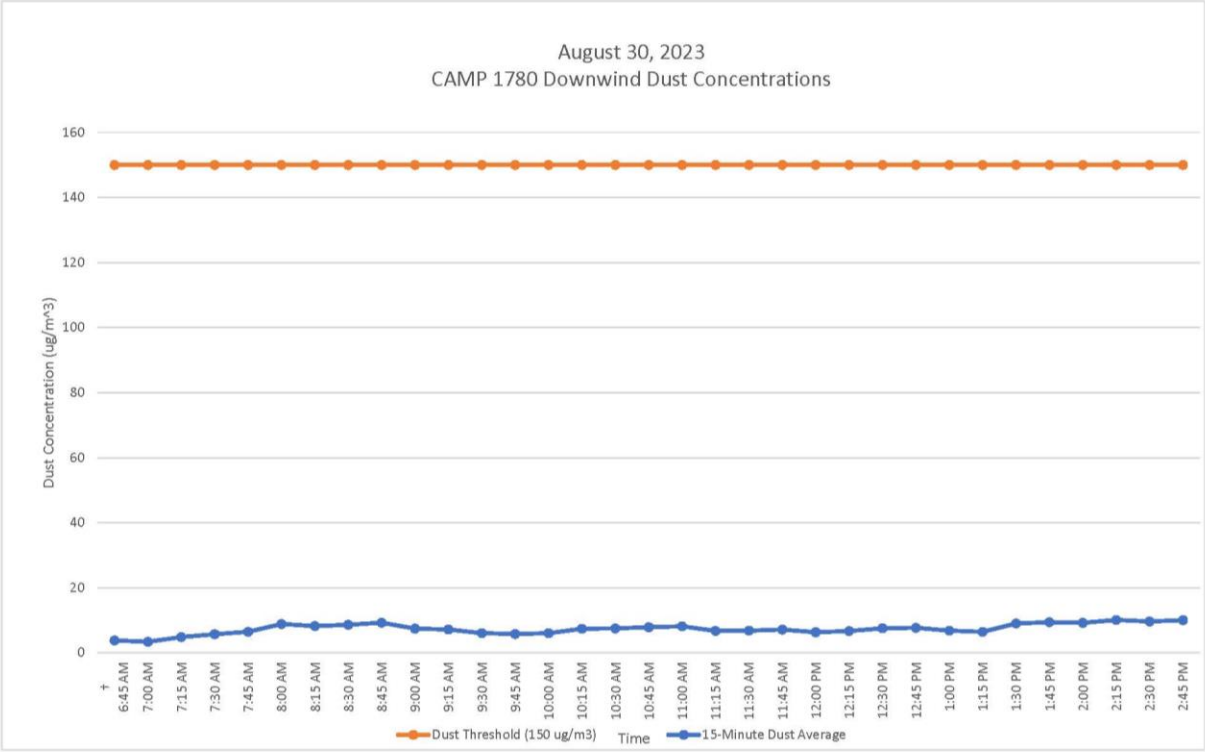


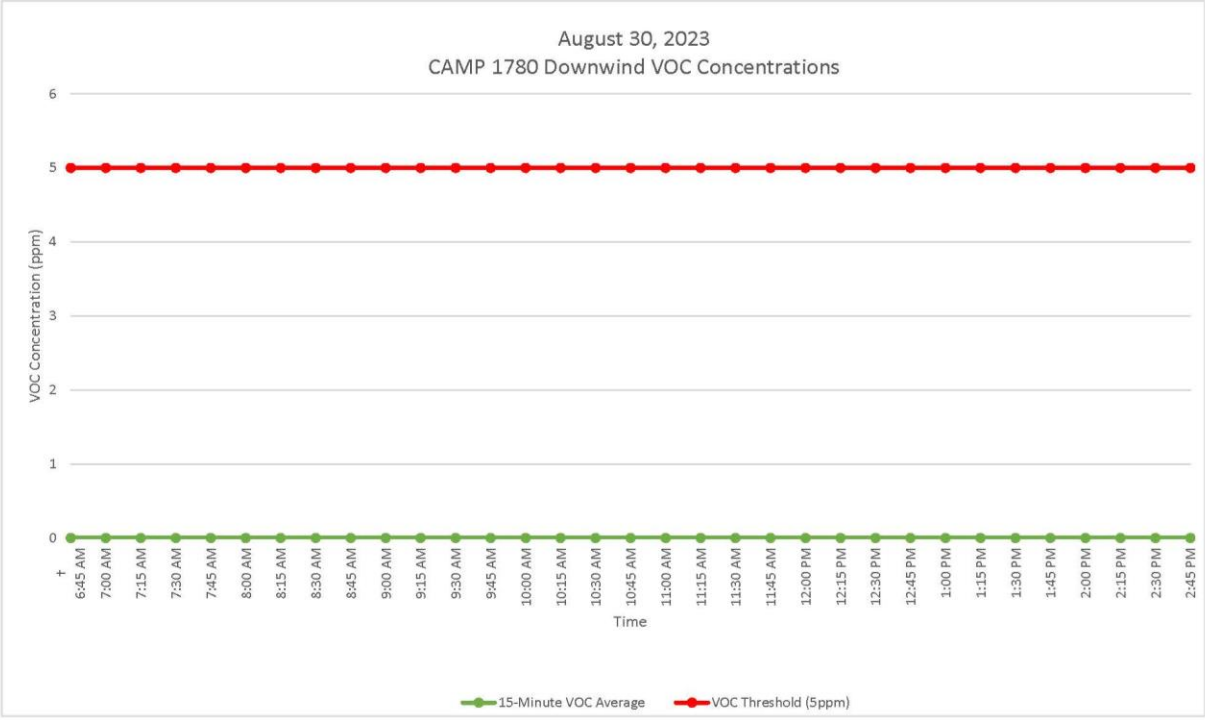


GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	0	0	30	600
Previous	**67**	**1,340**	**298**	**5,960**	**1**	**20**	**366**	**7,320**
Total	**67**	**1,340**	**328**	**6,560**	**1**	**20**	**396**	**7,920**

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	70.39°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	52.00°F
		MAX WIND SPEED	16 mph from NNE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Material Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, August 31, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**PT Consultants**	
	Soil Solutions	
	Independence Carting, Inc.	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 8/31/2023

Work Location (Attachment A): Grid A3, B4, B5, C4, C5, and D3.

1. Loadout of soil from Grids B4, B5, C4, C5 and D3 (0-6 ft bgs). 30 truckloads of soil (approximately 600 cubic yards) were transported to Clean Earth of Carteret, New Jersey. 6 truckloads of soil (approximately 120 cubic yards) were transported to PPark in Prospect Park, New Jersey.
2. Demolition of portions of an old foundation wall at grids B5. Demolition debris was stockpiled in grid B4 before loaded onto a roll-off container for transport offsite.
3. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.
4. Delivery of Adler dewatering system to western portion of Grid A3.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.04 ppm, Particulates: 2.24 ug/m^3
High Conditions – PID: 0.04 ppm, Particulates: 21.85 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 30 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.
- 6 trucks of excavated materials were transported to PPark in Prospect Park, NJ.

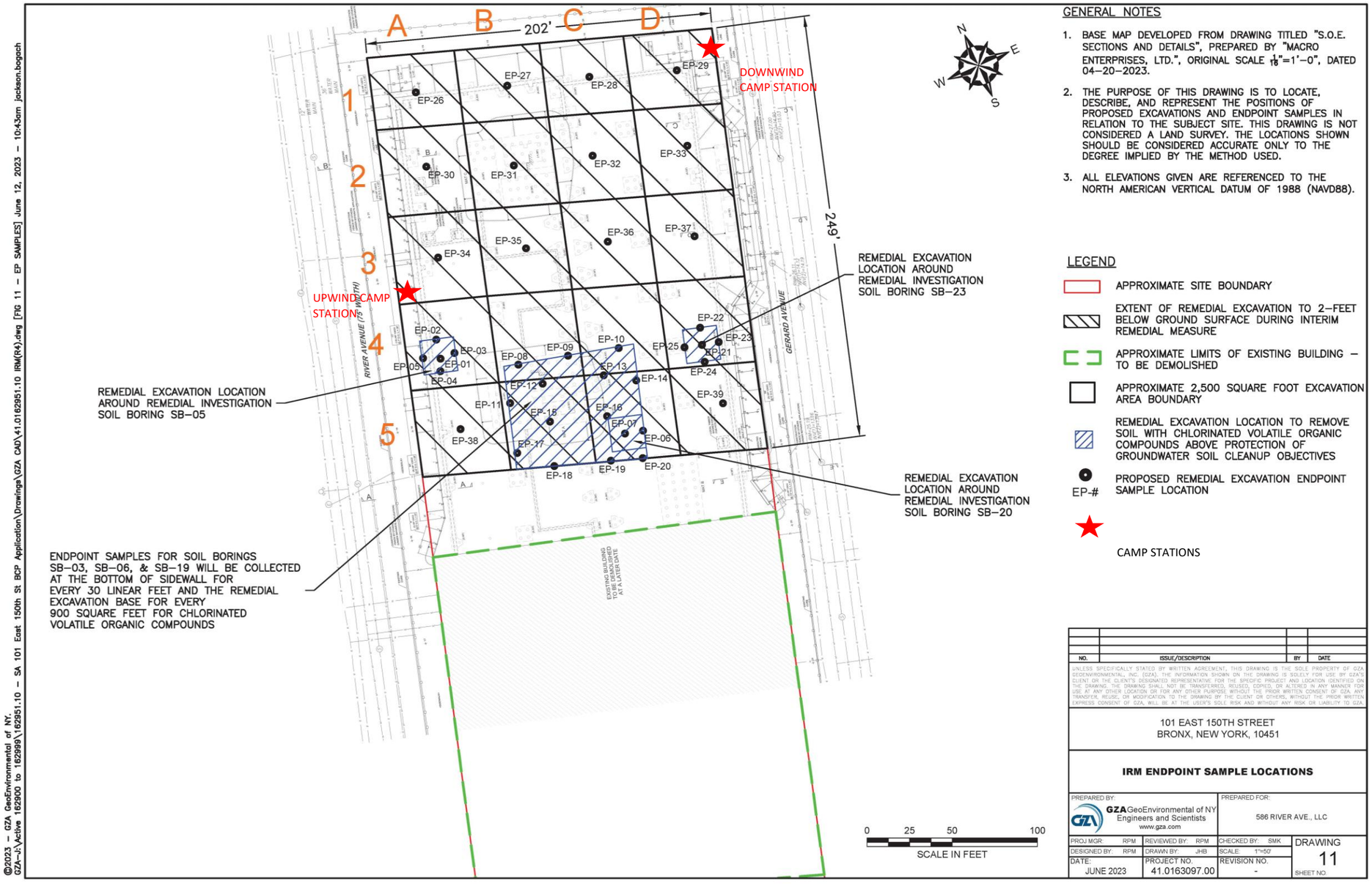
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken North
Description: J&A Concrete loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A Concrete removing soil and debris from Munoz trucks prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No. 4**	**Direction Photo Taken** Northeast
Description: J&A demolishing an old concrete foundation wall while spraying with water for dust suppression.		**Description:** Overview of Site at the end of the day.	

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 31, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

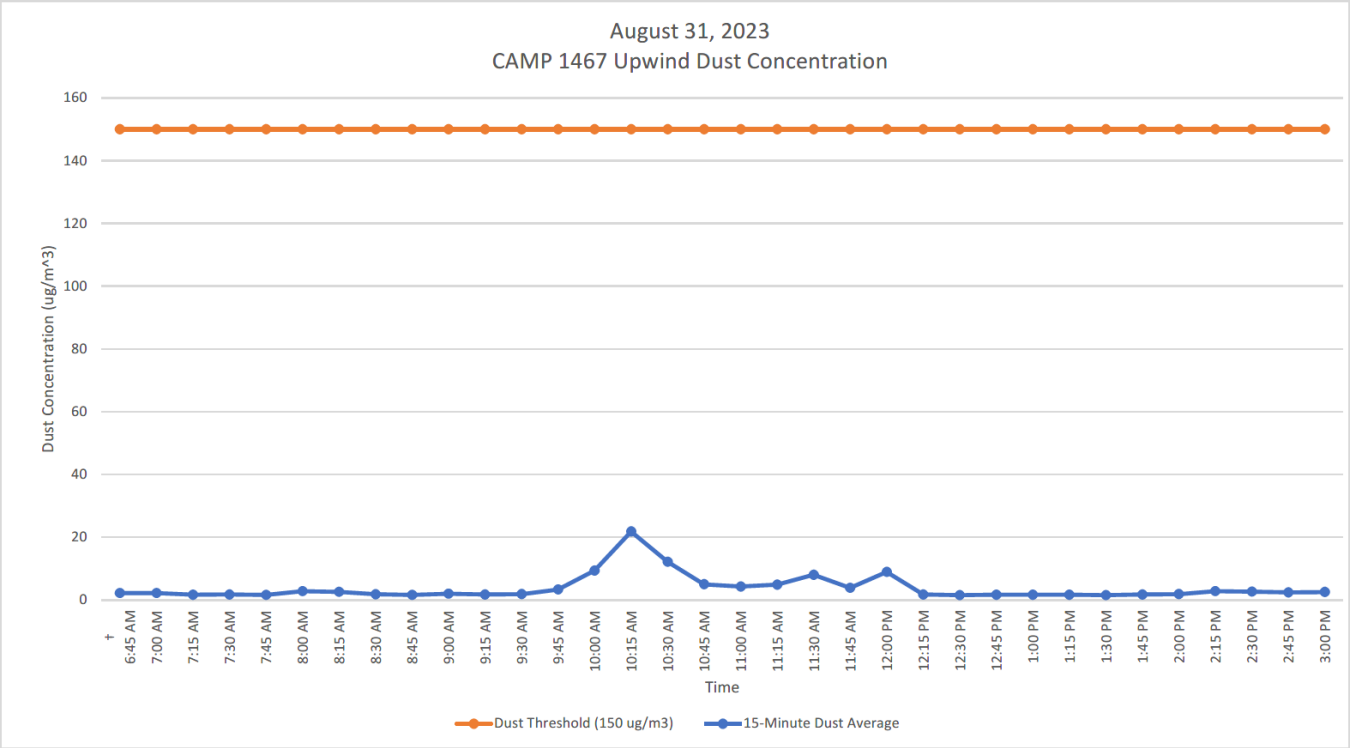
PID 1: 0.04
PID 2: 0.0

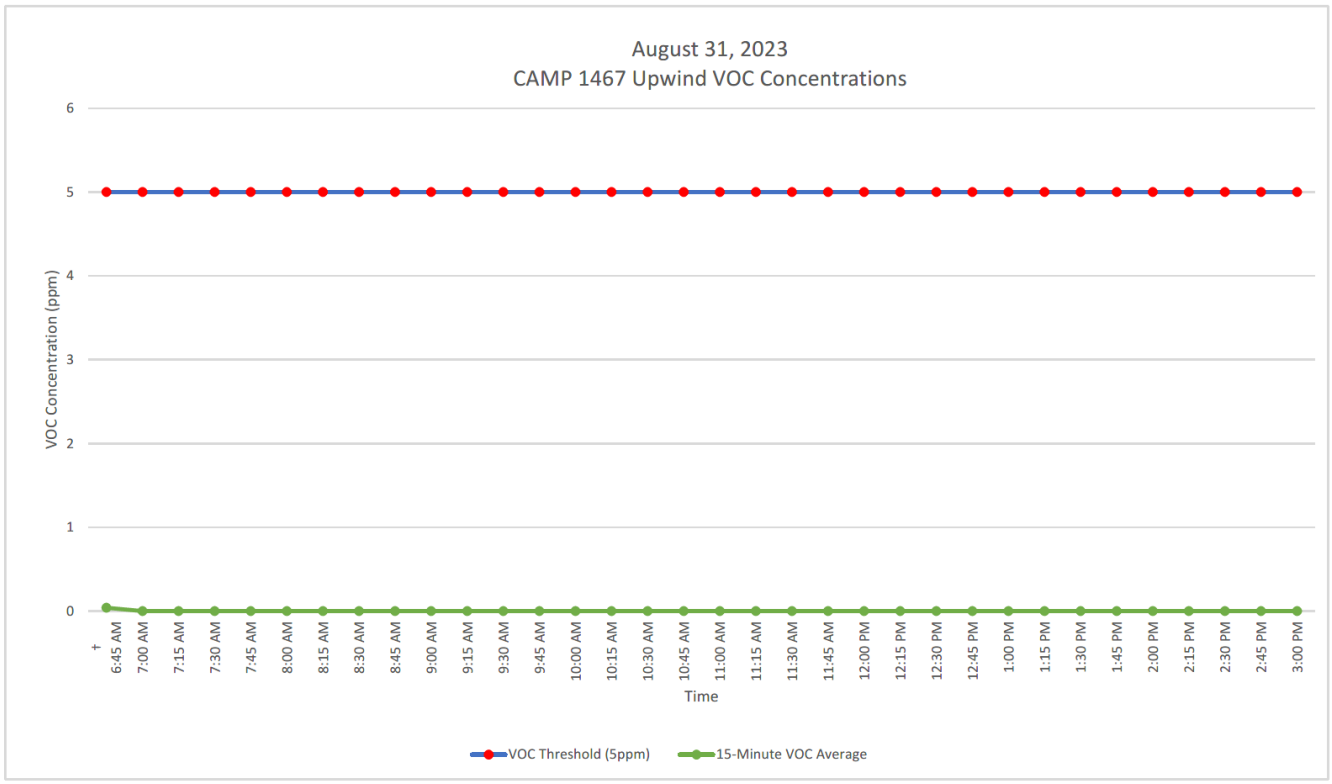
Data Ram 1: 2.24
Data Ram 2: 1.11

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023

FILE NO: 41.0163097.00

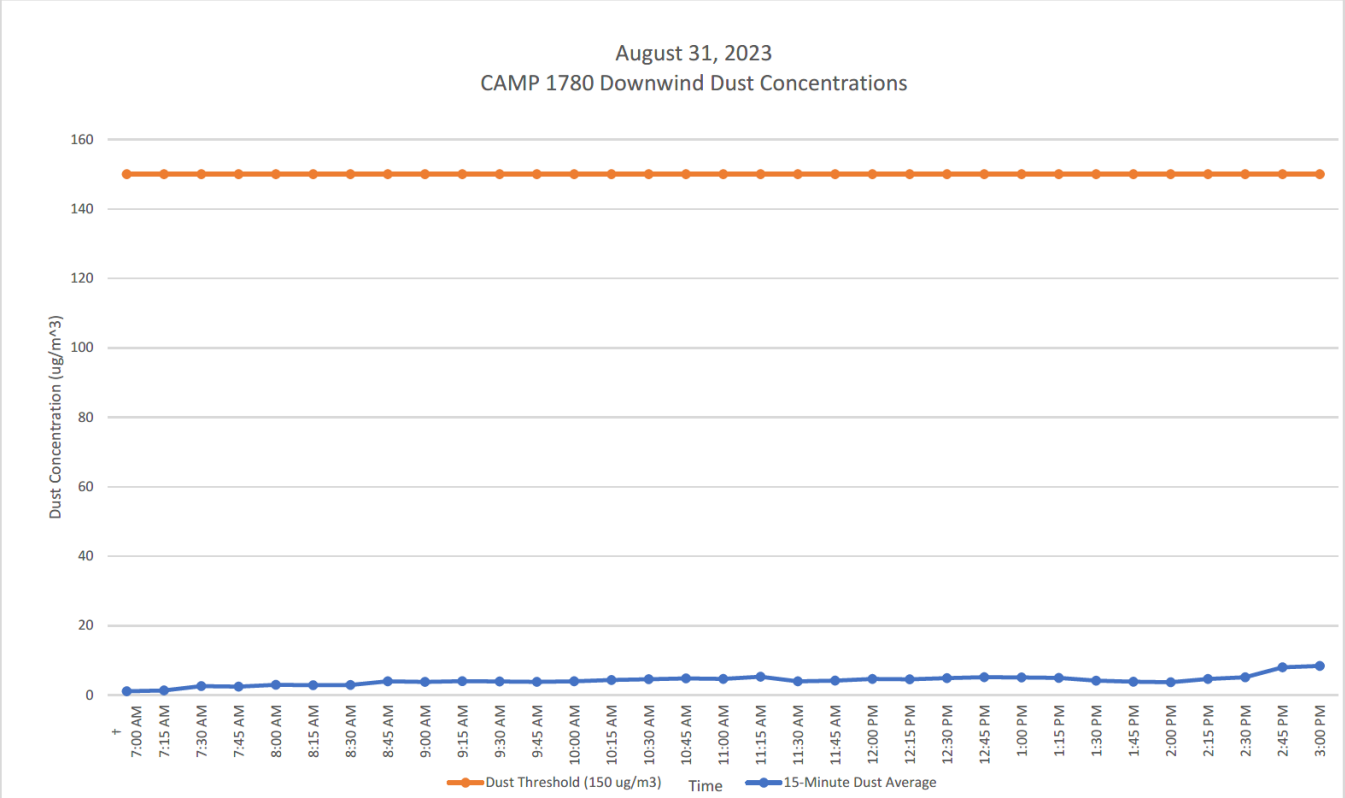


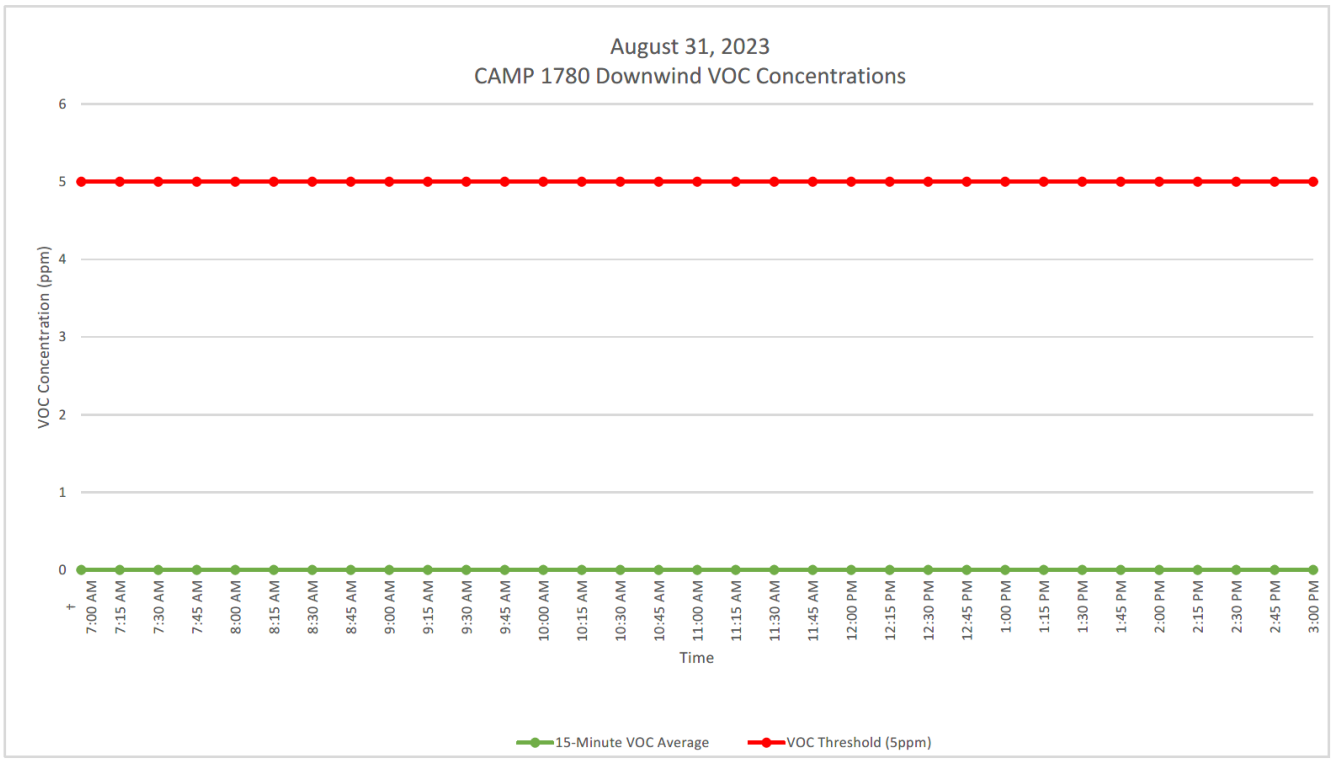


GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	6	120	30	600	0	0	36	720
Previous	**67**	**1,340**	**328**	**6,560**	**1**	**20**	**396**	**7,920**
Total	**73**	**1,460**	**358**	**7,160**	**1**	**20**	**432**	**8,640**

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	80.43 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	61.57°F
		MAX WIND SPEED	16 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, July 24, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
SITE VISITORS:	**GZA**	
	Reinbill Maniquez	

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 7/24/2023

Work Location: Grid A1, A2,C1, D1, D2, D3, and D4

1. J&A Concrete continued installing soldier piles in C1, D,1, D2 and D3.
2. J&A Concrete excavated the soil berm in A1, A2, D2, and D4 for installation of soldier piles.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- John Deere 330CLC Excavator

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 53 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 61 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

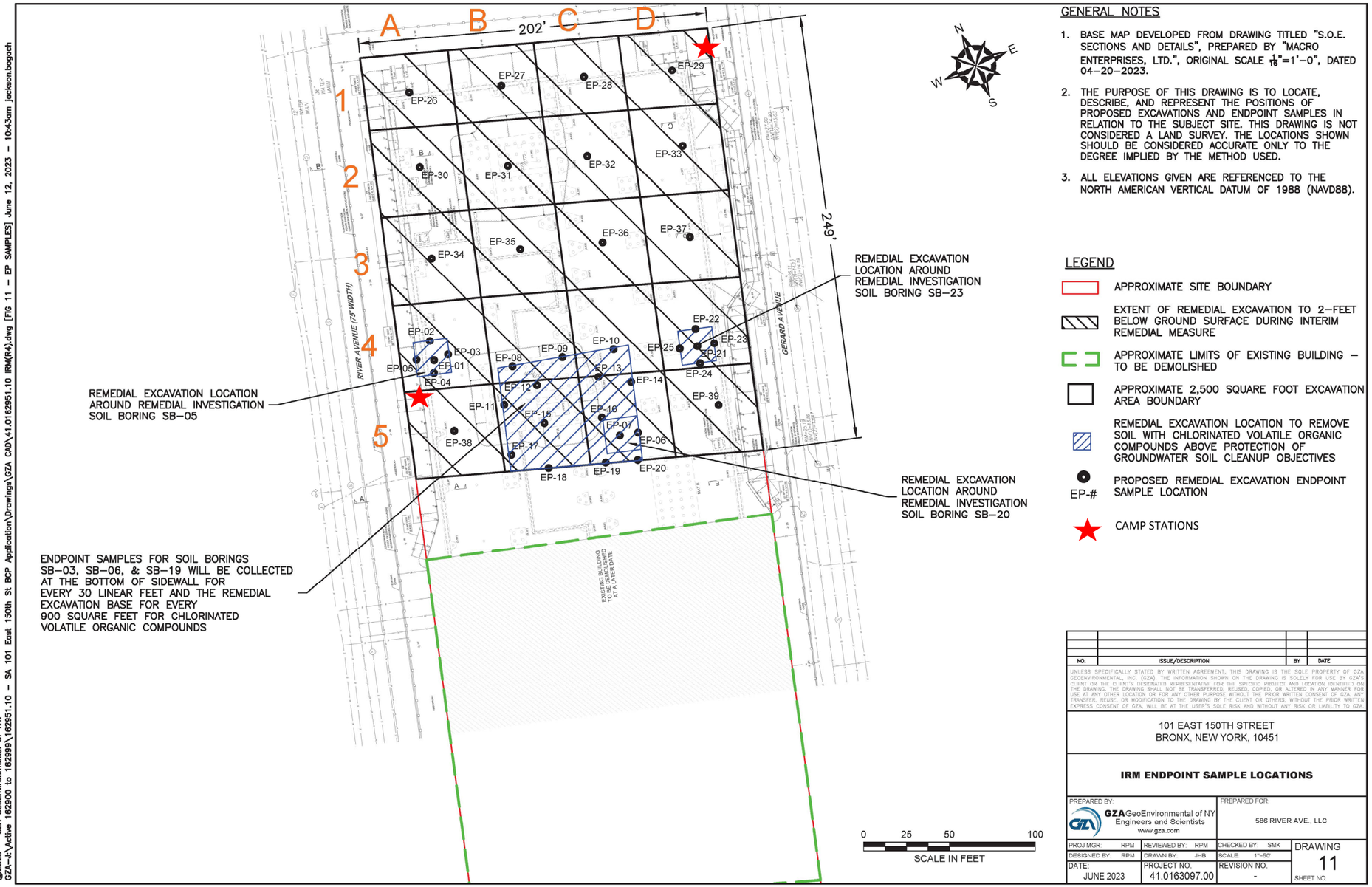
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northwest
Description: Installation of soldier piles at grids D-2 and D-3.		**Description:** Excavation of the soil berm for installation of soldier piles at grids C-1 and D-1.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No.** 4	**Direction Photo Taken** East
Description: Downwind CAMP station northeast corner of the Site.		**Description:** Upwind CAMP station at the southwest corner of the Site.	

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 24, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1	PID 1	SN:592-602879
	Data Ram 1	SN:5202136003
Station 2		
Hand Held	PID Model 580	SN: 592-602879
	SidePak	SN: 5202136003

Pre-Calibration/Standardization:

PIDs:	**Zero**		**Gas - 100 ppm**	
1	☒ YES	☐ NO	☒ YES	☐ NO
2	☒ YES	☐ NO	☒ YES	☐ NO
Hand Held	☒ YES	☐ NO	☒ YES	☐ NO

Repair Needed:

Data Rams:	**Zero**		**Gas - 100 ppm**	
1	☒ YES	☐ NO		
2	☒ YES	☐ NO		
Hand Held	☒ YES	☐ NO	☒ YES	☐ NO

Post-Shift Download:

PIDs:	Instrument:			Results/Comments:
1	☒ Data	☒ Avg	☐ Summary	
2	☒ Data	☒ Avg	☐ Summary	

Data Rams:

1	☒ Data	
2	☒ Data	

Weather Station: ☐ YES

Background Readings:

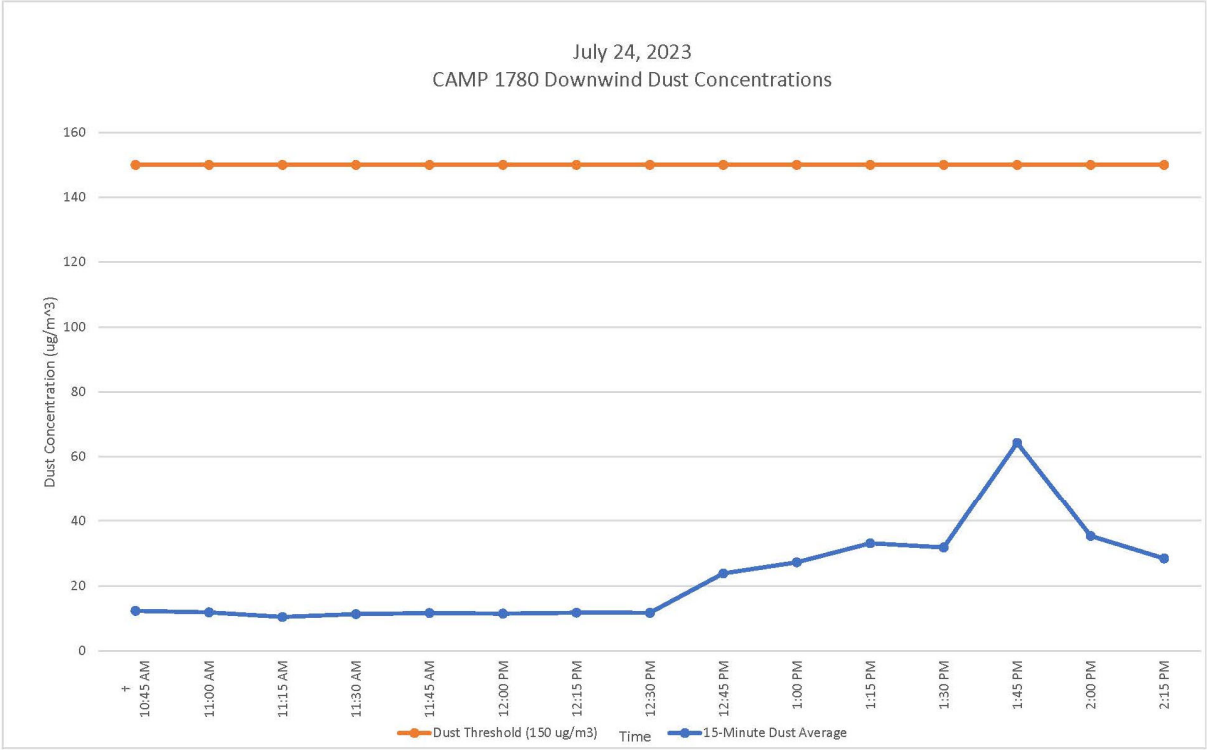
PID 1: 0.0
PID 2:

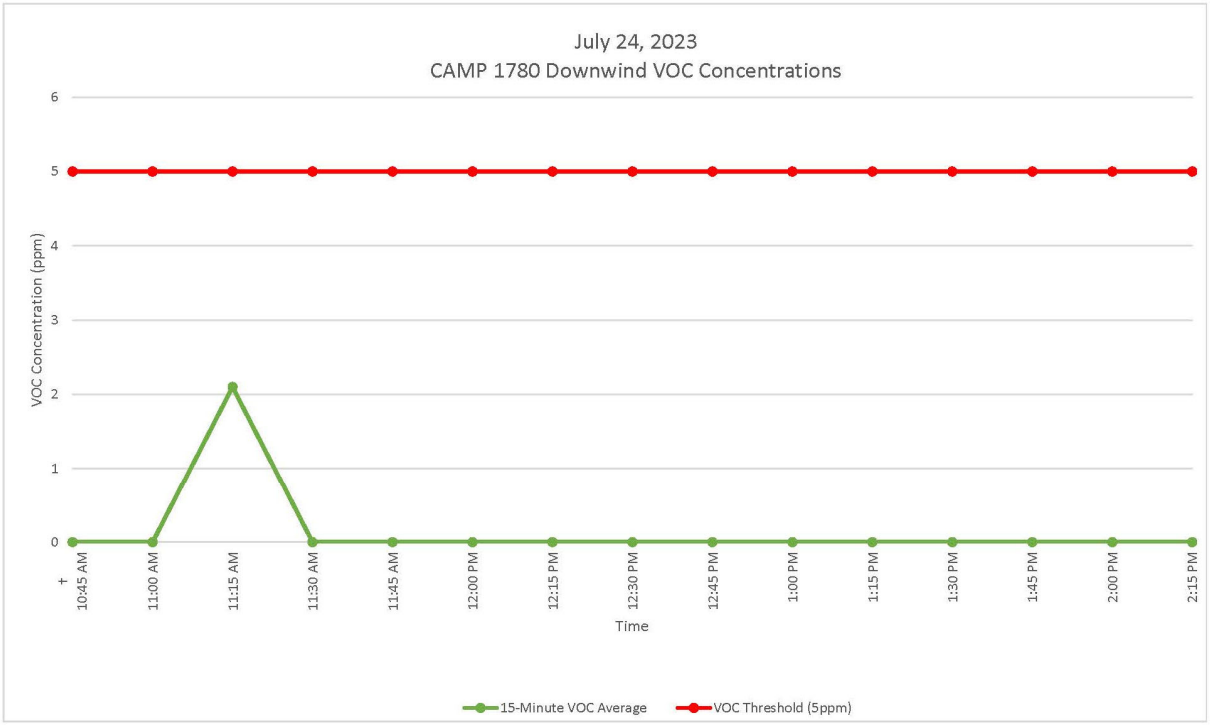
Data Ram 1: 24.0
Data Ram 2:

GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023

FILE NO: 41.0163097.00

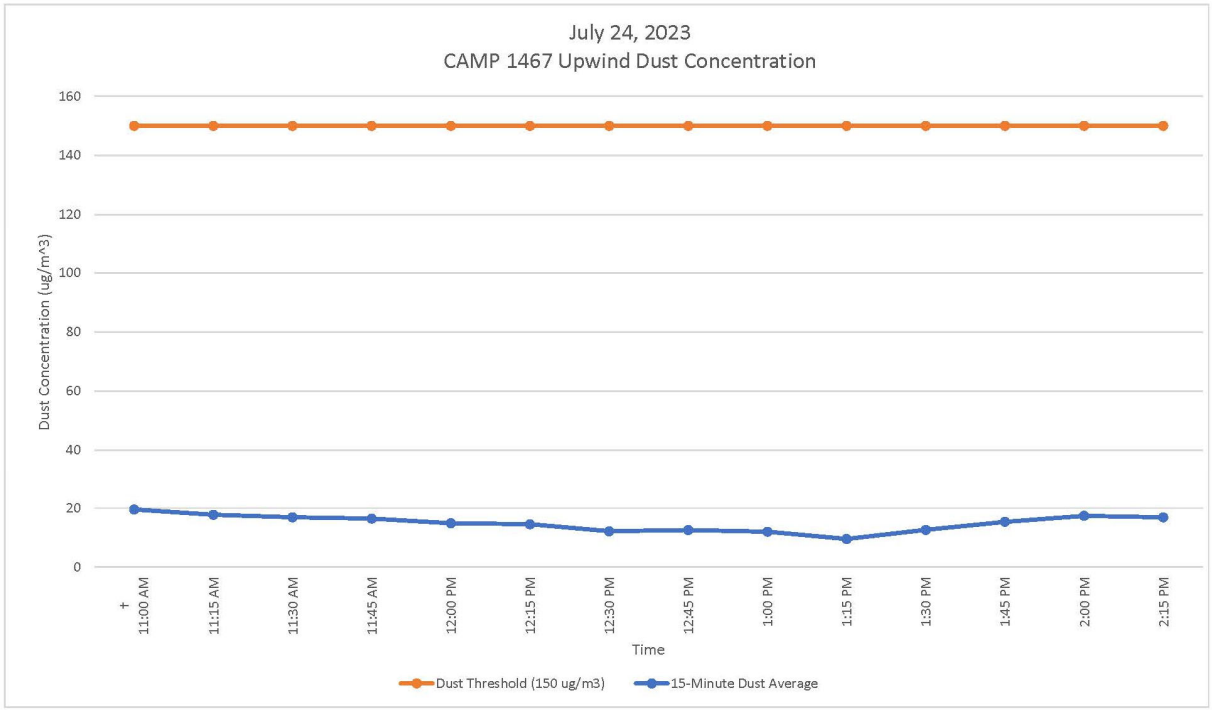


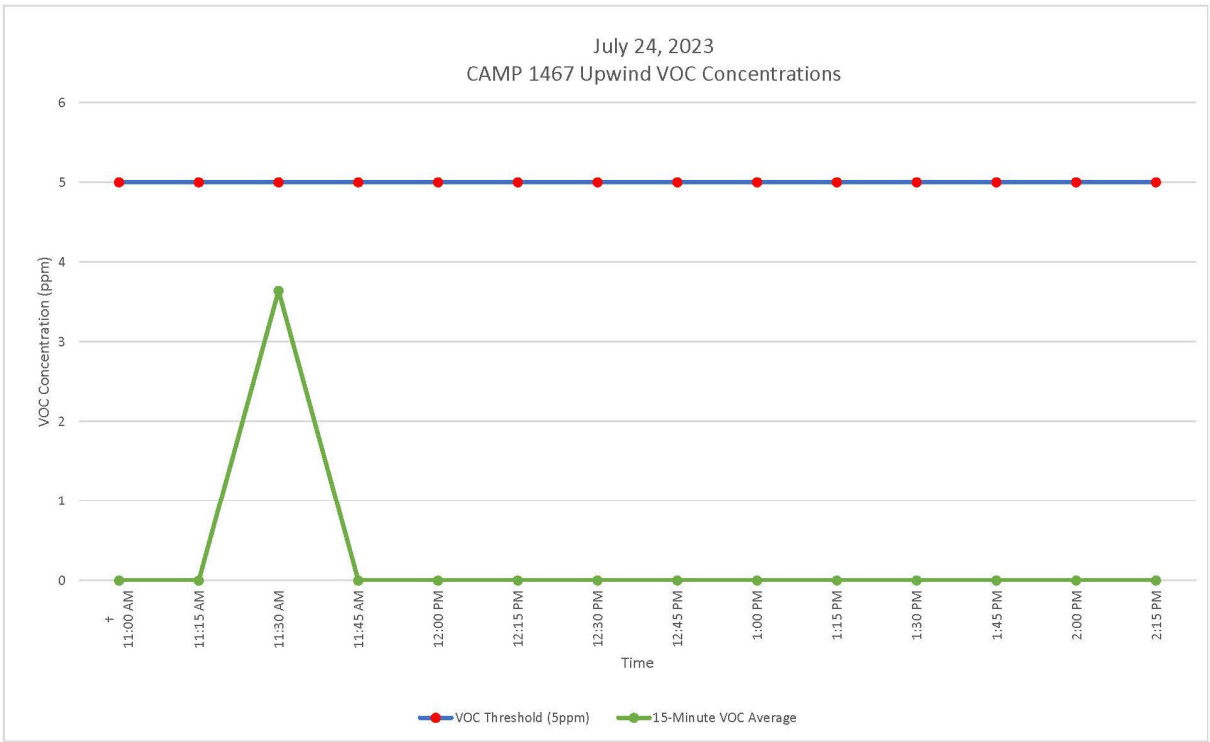


GZA DAILY FIELD SUMMARY 1

DATE: 7/24/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	79.37 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	65.68°F
		MAX WIND SPEED	23 mph from W
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, July 25, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
SITE VISITORS:	**Success Academy**	
	Richard Gladstone	

GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 7/25/2023

Work Location: Grid A1, A2, A3, A4, D1, D2, and D4

1. J&A Concrete continued installing soldier piles at grids A1, A2, D2, and D4.
2. J&A Concrete excavated the soil berm at grids A2, A3, and A4 for installation of soldier piles.
3. Minor backfilling around soldier piles installed at grids D1 and D2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- John Deere 330CLC Excavator

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 78.12 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 55.89 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

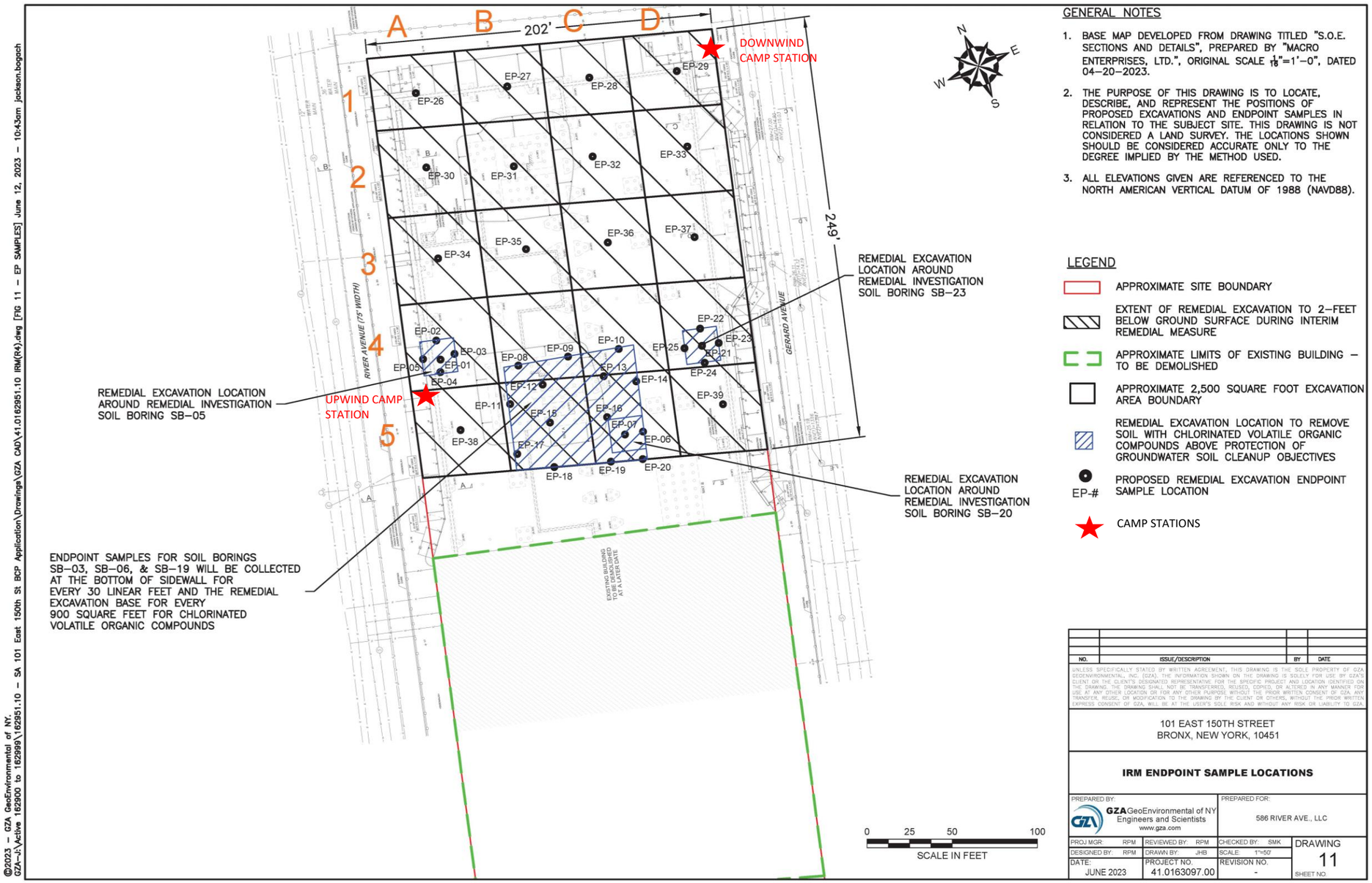
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT, OR THE CLIENT'S DESIGNATED REPRESENTATIVE, FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

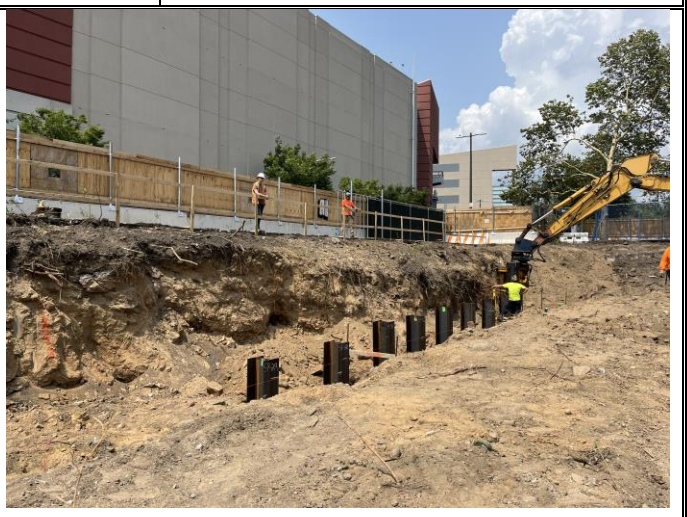
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** North
			
Description: Excavation of the soil berm for installation of soldier piles at grids A-2, A-3, and A-4.		**Description:** Installation of soldier piles at grids A-2 and A-3.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** North
Description: Work in D-1 and D-2; also shown Downwind CAMP station at northeast corner of the Site.		**Description:** Upwind CAMP station at the southwest corner of the Site.	

GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 25, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:
1 ☒ Data
2 ☒ Data

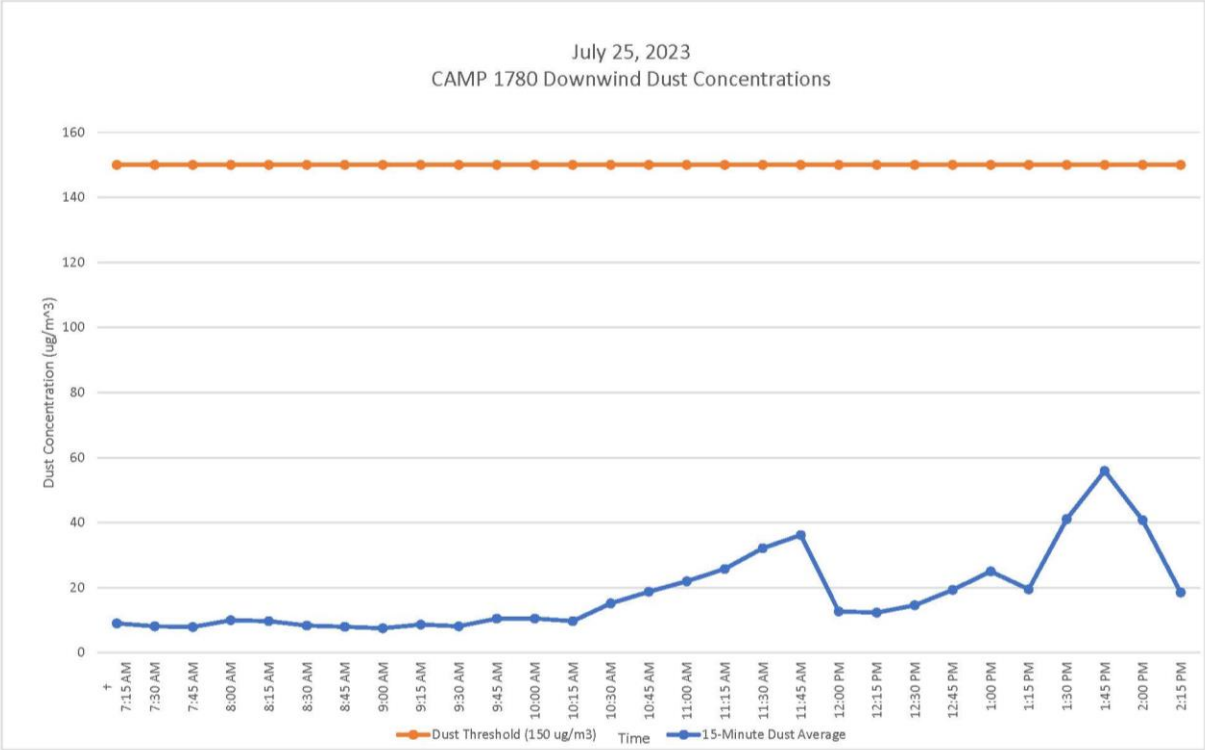
Weather Station: ☐ YES

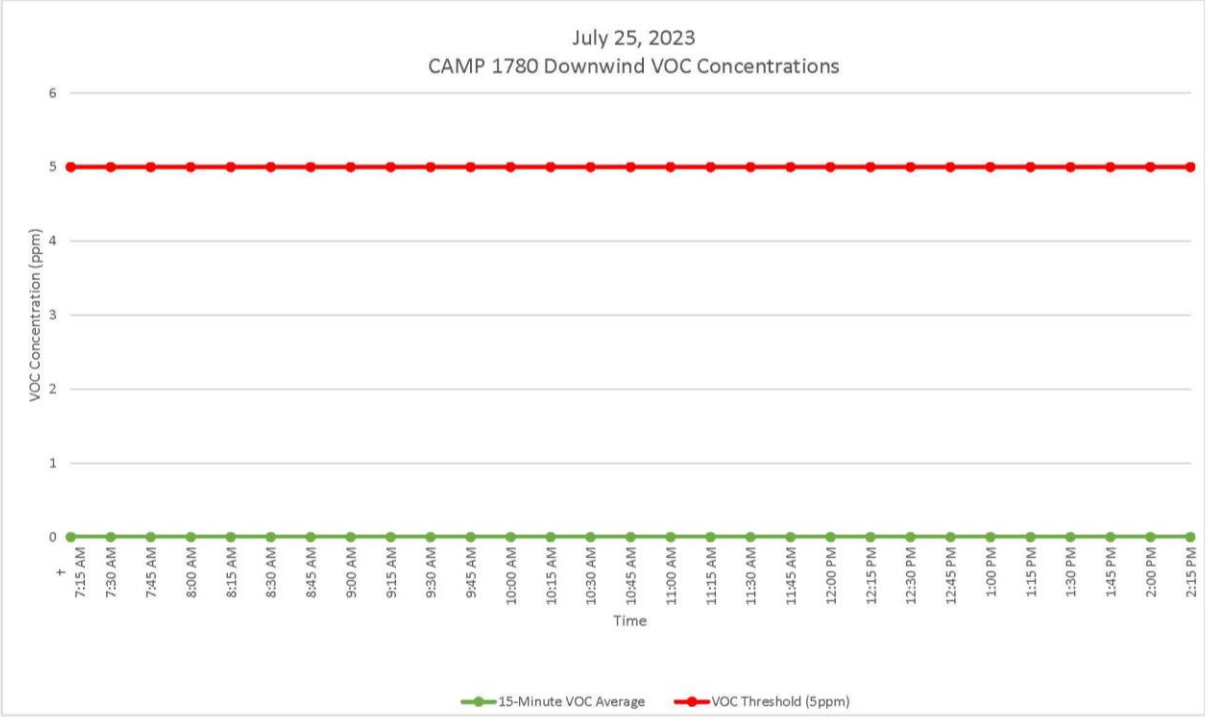
Background Readings:
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 9.02
Data Ram 2: 78.12

GZA DAILY FIELD SUMMARY 2

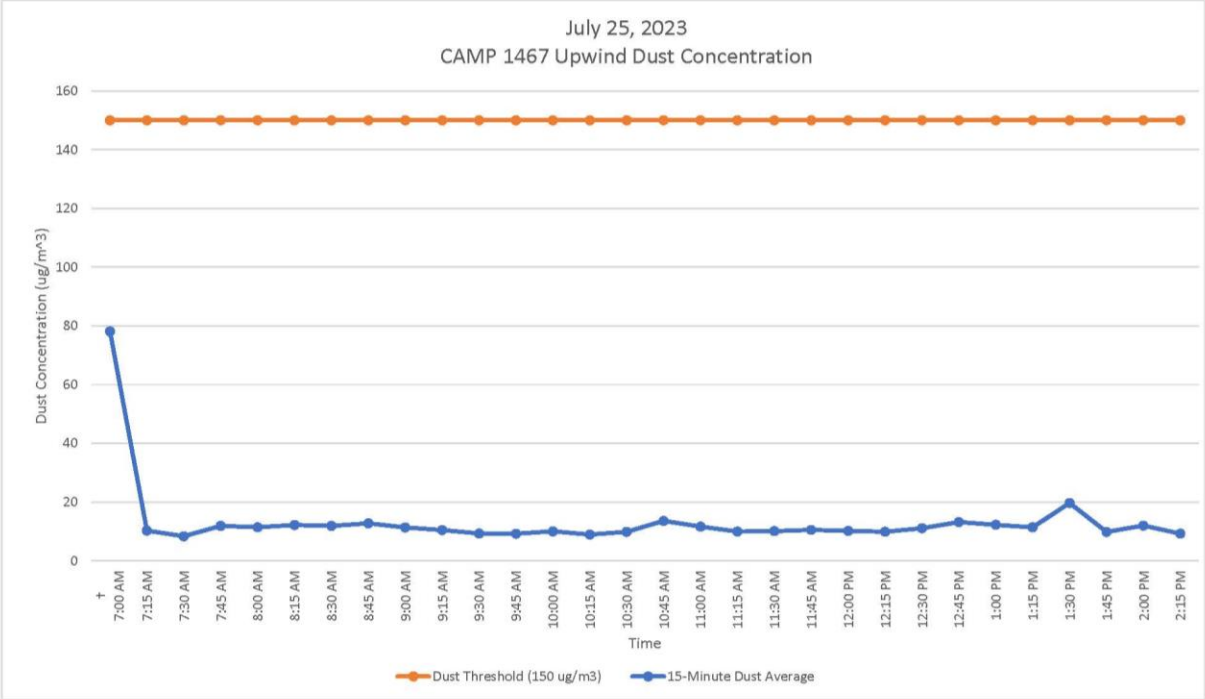
DATE: 7/25/2023
FILE NO: 41.0163097.00

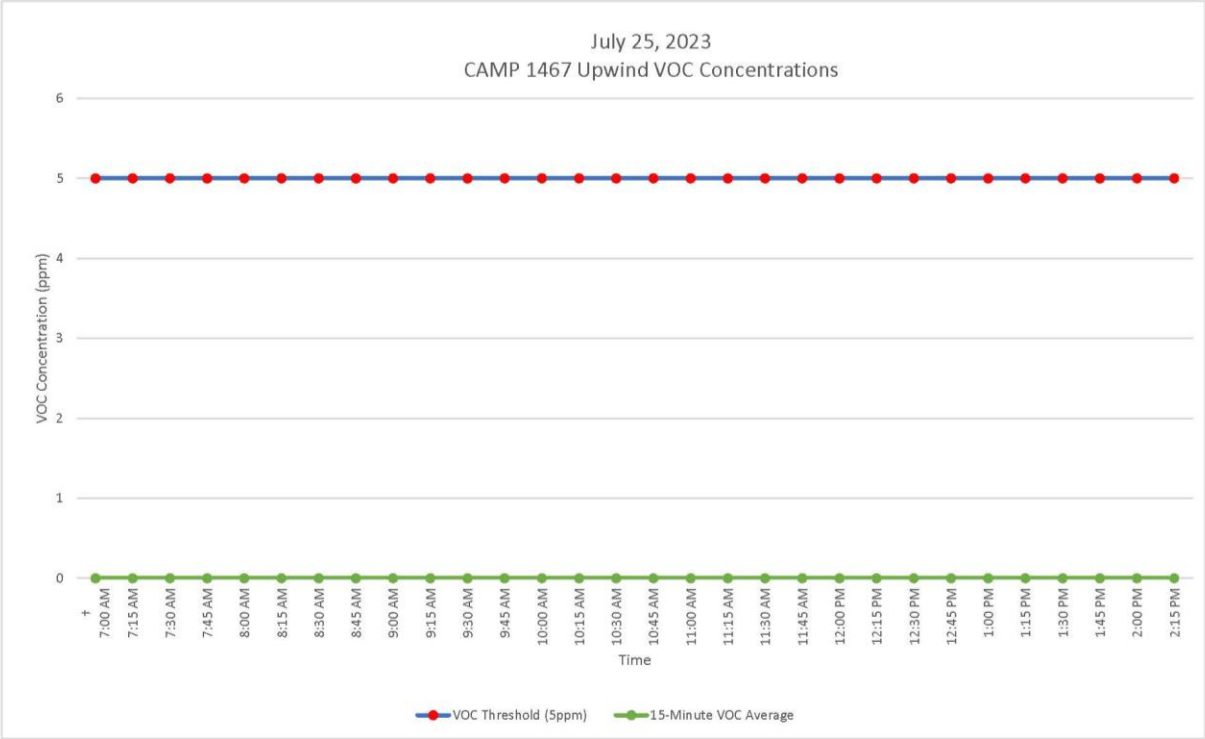




GZA DAILY FIELD SUMMARY 2

DATE: 7/25/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	78.65 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	64.23°F
		MAX WIND SPEED	17 mph from SW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.33 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, July 26, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 7/26/2023

Work Location: Grid A1, A2, A3, A4, and D5

1. J&A Concrete continued installing soldier piles at grids A1, A2, A3, A4, and D5.
2. J&A Concrete excavated the soil berm at grid D5 for installation of soldier piles.
3. Minor backfilling around soldier piles installed at grids A2, A3, and D5.
4. Soil Solutions moved pile load test materials offsite.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- John Deere 330CLC Excavator

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 25.35 ug/m^3
High Conditions – PID: 0.04 ppm, Particulates: 32.45 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

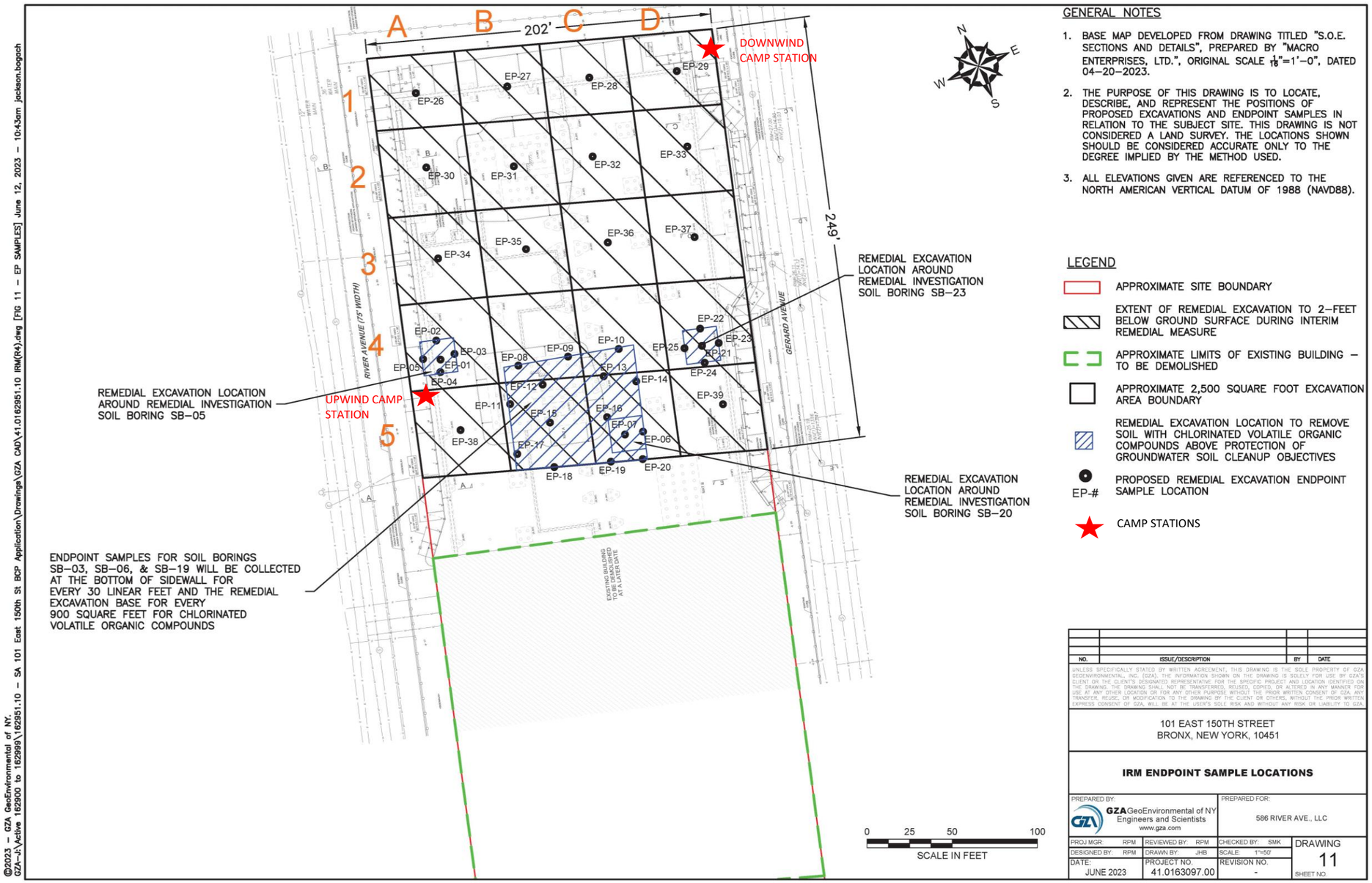
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
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- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Installation of soldier piles at grids A-2 and A-3.		**Description:** Excavation of the soil berm for installation of soldier piles at grid D5.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** North
Description: Work in A-1; also shown Downwind CAMP station at northeast corner of the Site.		**Description:** Upwind CAMP station at the southwest corner of the Site.	

GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 26, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held: PID Model 580 SN: 592-602879; SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**	
1	☐ YES	☒ NO	1 ☐ YES	☒ NO
2	☐ YES	☒ NO	2 ☐ YES	☒ NO
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO
2	☐ YES	☒ NO
Hand Held	☒ YES	☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1	☒ Data	☒ Avg	☐ Summary	
2	☒ Data	☒ Avg	☐ Summary	

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

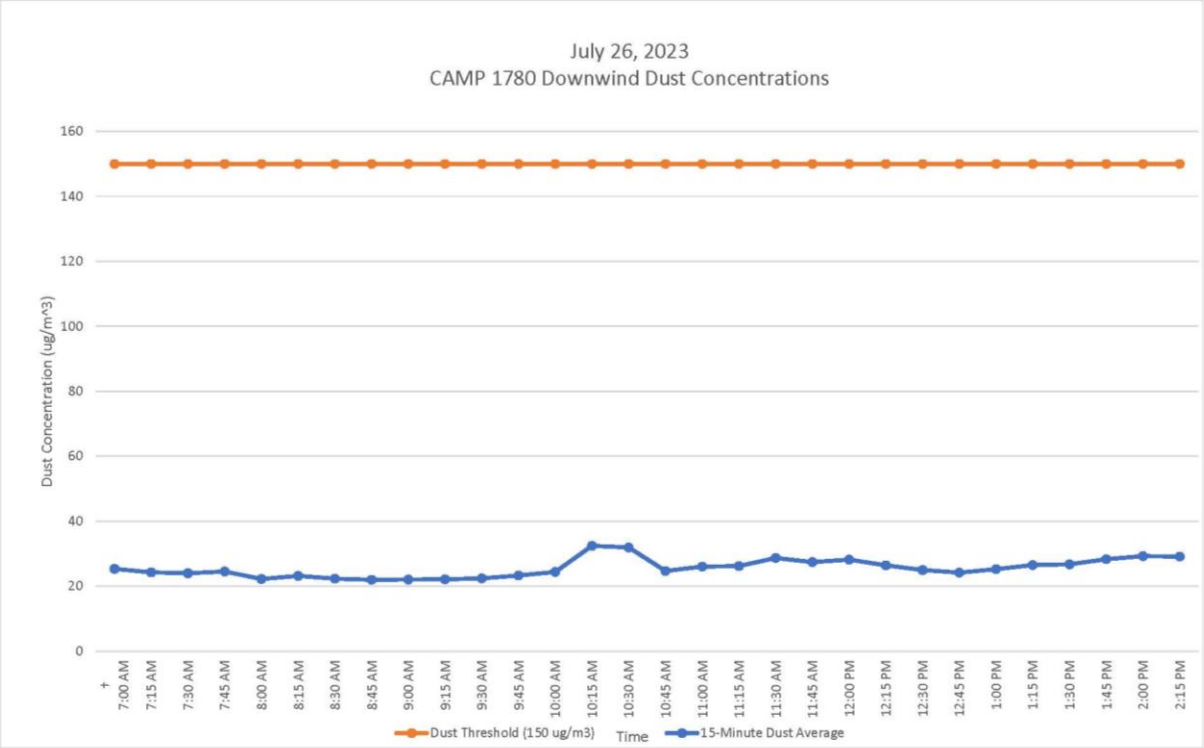
Background Readings:

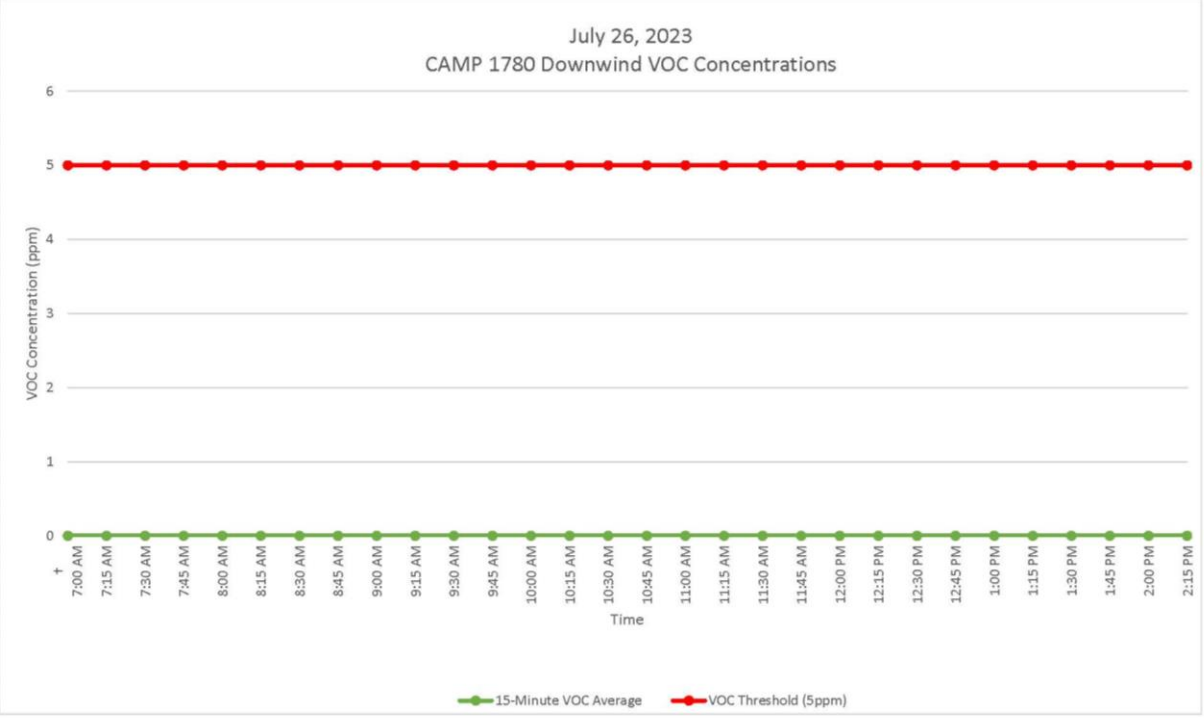
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 25.35
Data Ram 2: 22.84

GZA DAILY FIELD SUMMARY 3

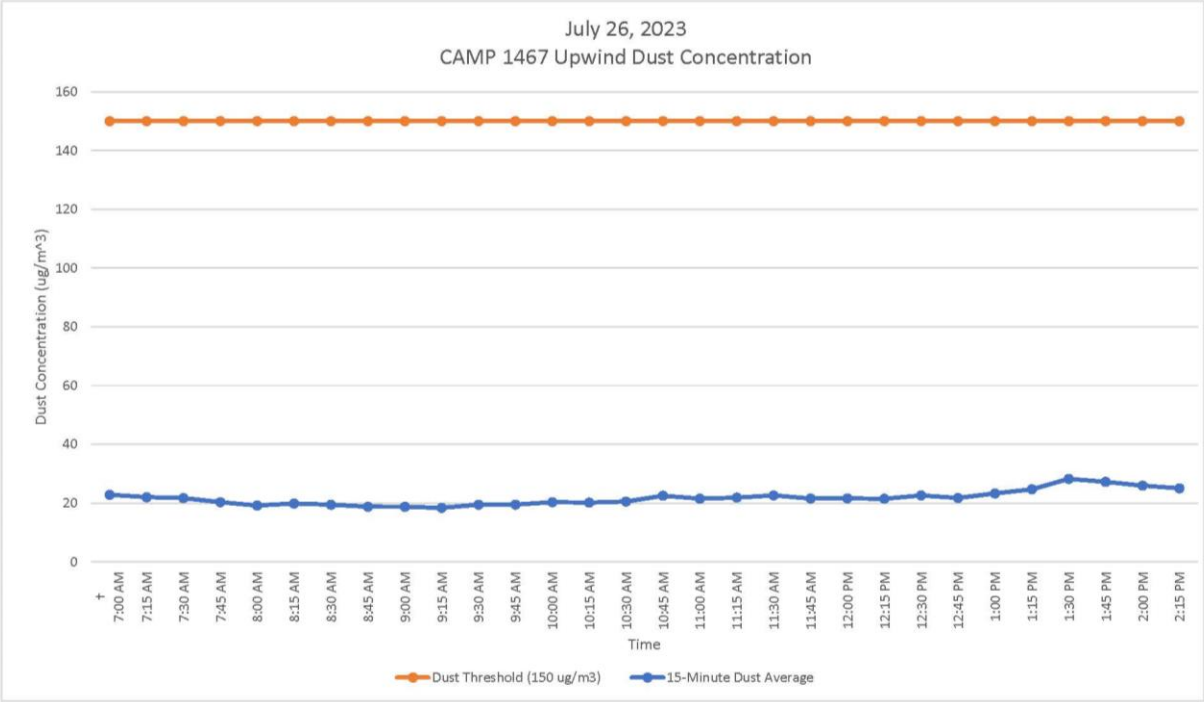
DATE: 7/26/2023
FILE NO: 41.0163097.00

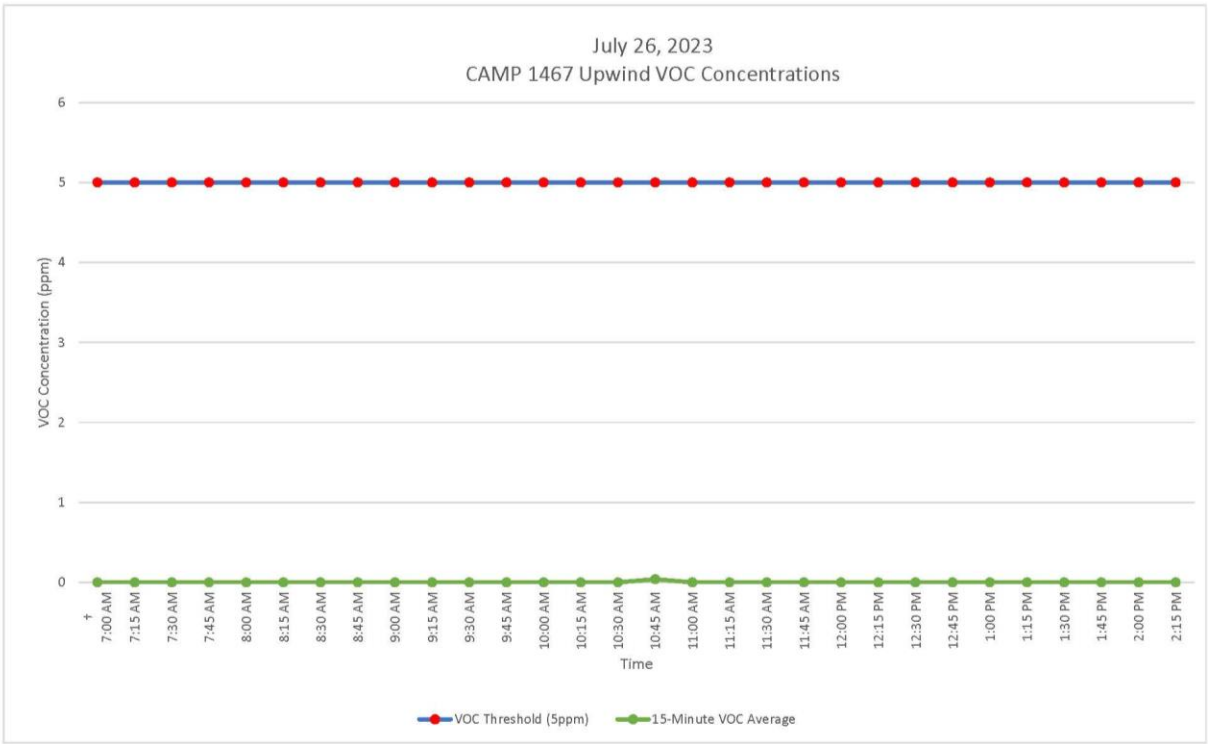




GZA DAILY FIELD SUMMARY 3

DATE: 7/26/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	83.53 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	70.37°F
		MAX WIND SPEED	20 mph from SW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, July 27, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 7/27/2023

Work Location: Grid A1, A2, A4, and A5

1. J&A Concrete demolished parts of an old foundation wall and excavated the soil berm at grids A4 and A5 to prepare for installation of soldier piles. Excavated soil was stockpiled on the eastern side of A4 and A5 and was covered at the end of the day.
2. J&A Concrete excavated in between soldier piles in grids A1 and A2 to install lagging lumber as part of the support of excavation (SOE). Excavated soil was stockpiled on the eastern side of A1 and A2 and was covered at the end of the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 186.89 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 60.49 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

The one exceedance detected during this monitoring period was at upwind station at prestart condition, not a 15-minute time weighted average. It was not indicative of site conditions and occurred during system warmup. PM10 dropped to below threshold levels immediately after start-up. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

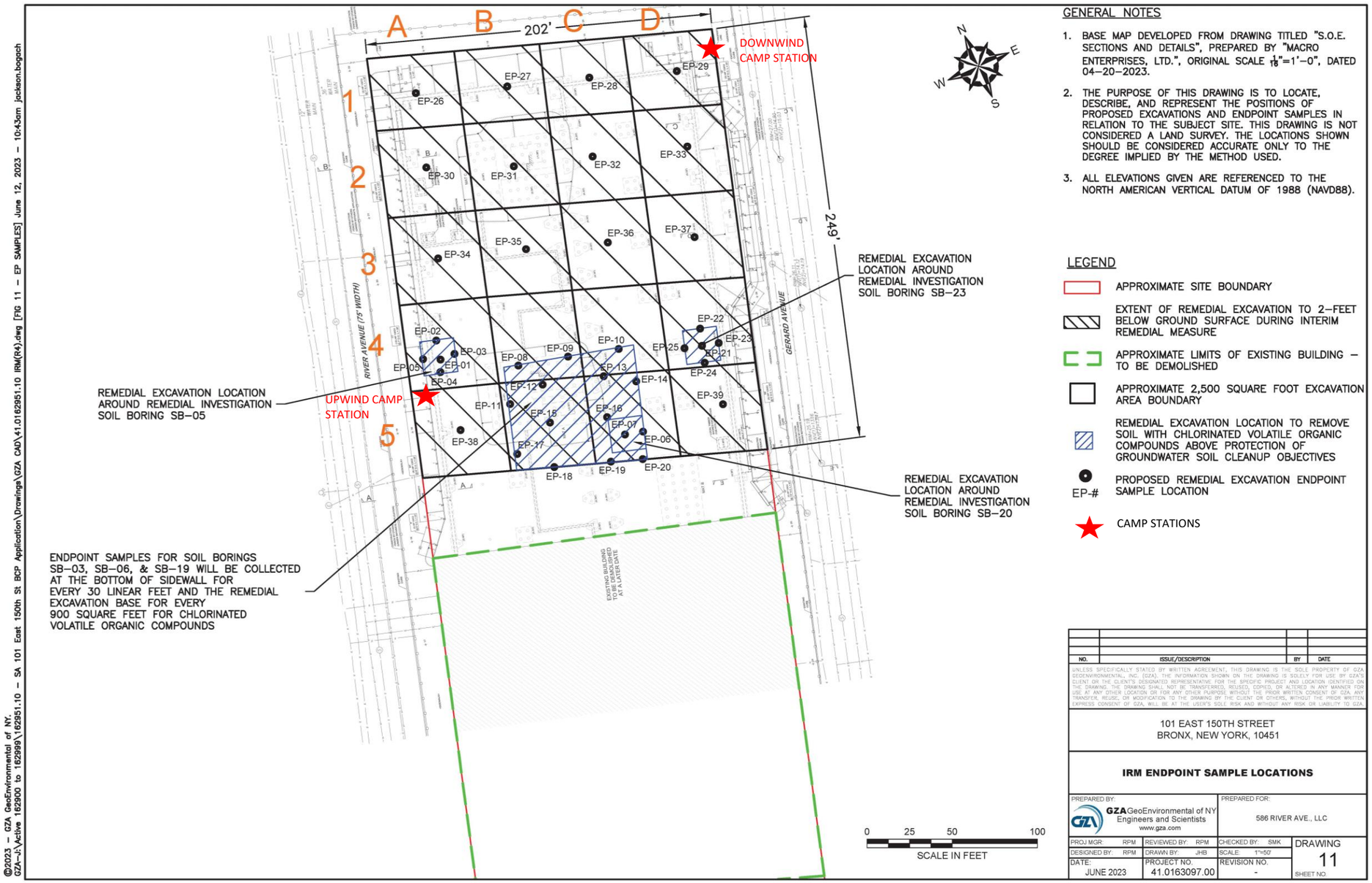
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK		DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'		SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -		

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Demolition of parts of old foundation wall at grid A-5.		**Description:** Excavation of the soil berm for installation of soldier piles at grids A-4 and A-5; also shown Upwind CAMP station at the southwest corner of the Site.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** South
Description: Installation of lagging wall at grids A-1 and A-2.		**Description:** Downwind CAMP station at the northeast corner of the Site.	

GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

Photo No. 5	Direction Photo Taken: Northeast	Photo No. 6	Direction Photo Taken Southeast
Description: The soil stockpile in grids A-1 and A-2 covered at the end of the day.		**Description** The soil stockpile in grids A-4 and A-5 covered at the end of the day.	

GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 27, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

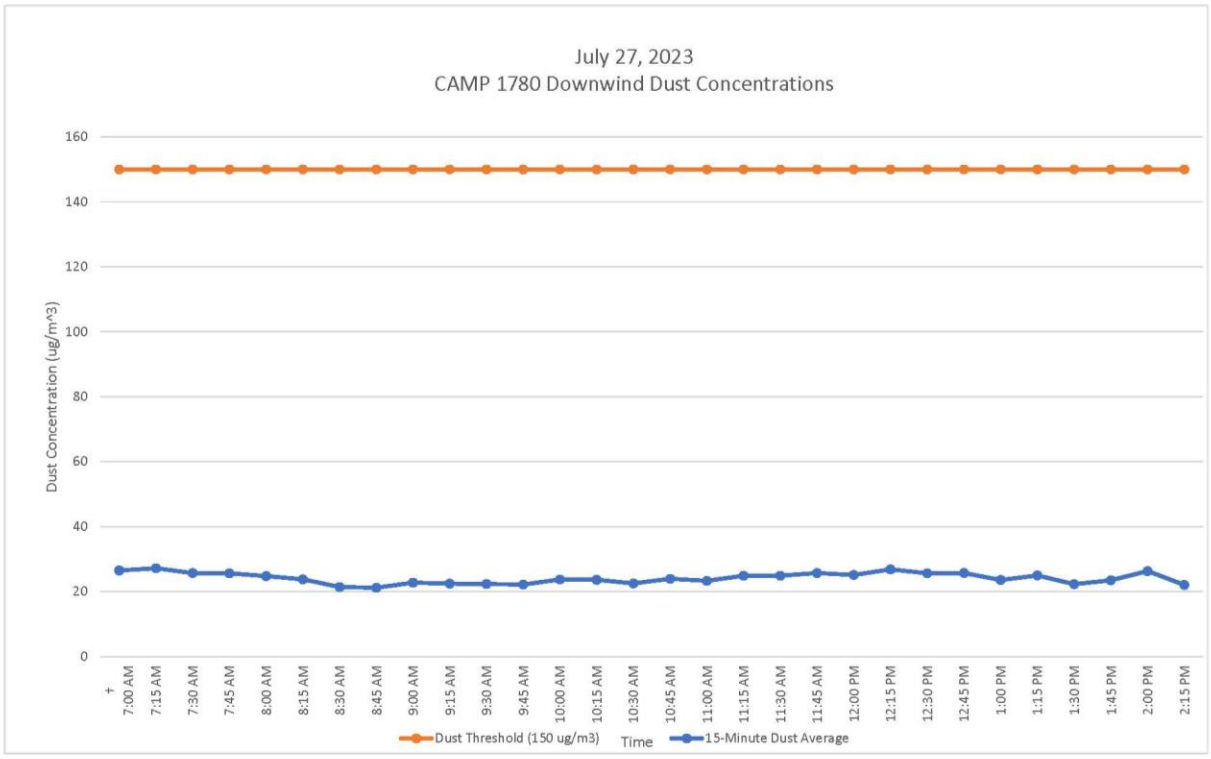
Background Readings:

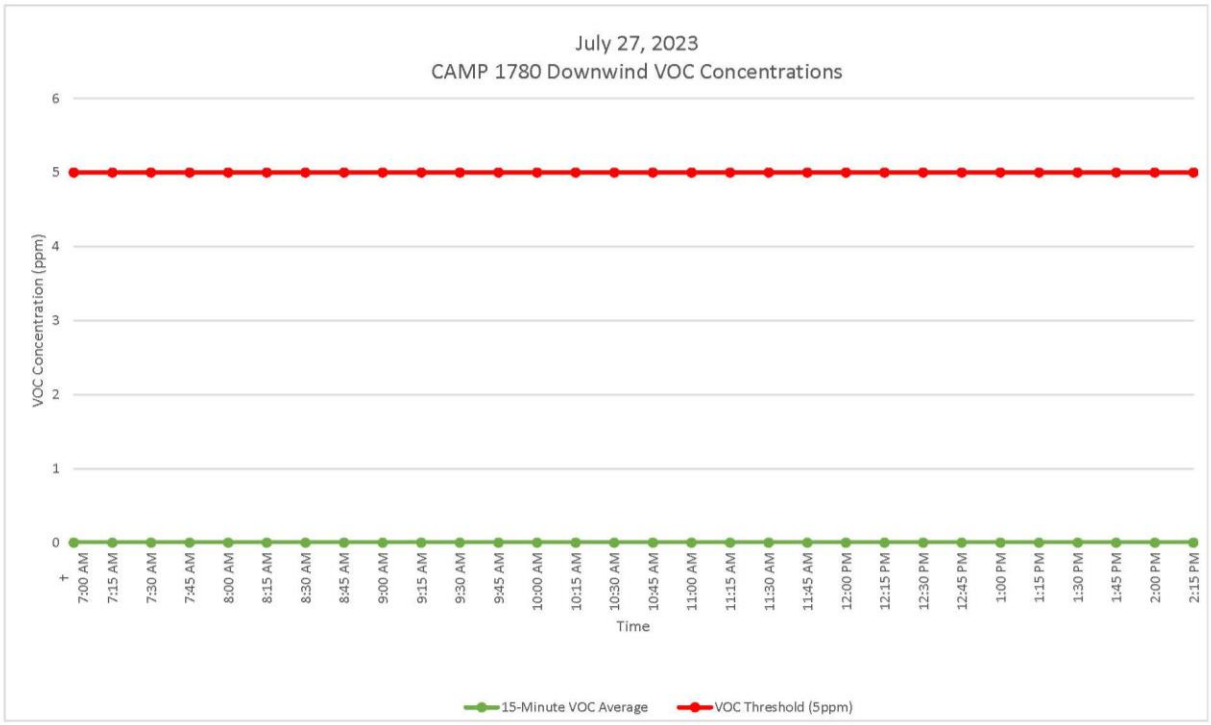
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 26.50
Data Ram 2: 186.89

GZA DAILY FIELD SUMMARY 4

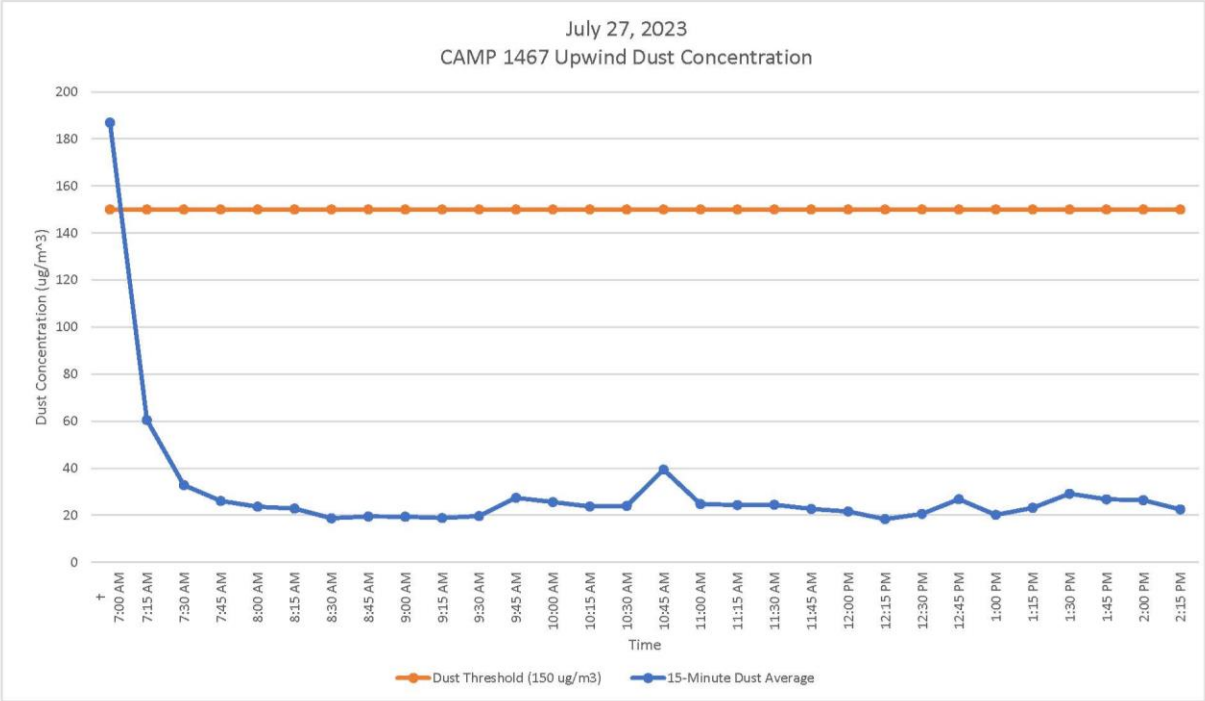
DATE: 7/27/2023
FILE NO: 41.0163097.00

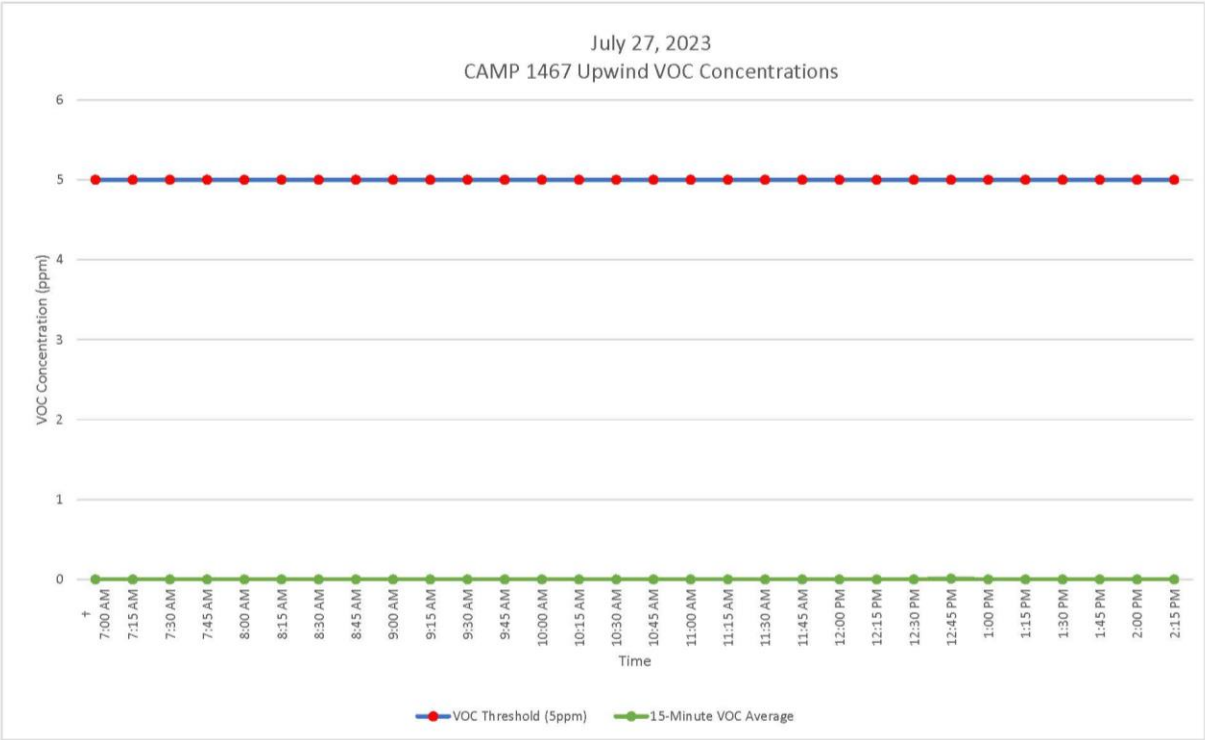




GZA DAILY FIELD SUMMARY 4

DATE: 7/27/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	85.16 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	69.92°F
		MAX WIND SPEED	12 mph from W
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.41 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, July 28, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 7/28/2023

Work Location (Attachment A) : Grid A2, A3, A4, A5, and D4

1. J&A Concrete continued installation of soldier piles at grids A4 and A5 and backfilled the western side of grid A5 with previously stockpiled soil
2. J&A Concrete demolished parts of an existing foundation slab and performed excavation at grids A4 and A5 for installation of lagging lumber and collection of end-point samples. Excavated soils were stockpiled separately on plastic sheeting at grids A4 and B4 and covered at the end of the day.
3. Macro Enterprises performed minor hand excavation and installed lagging wall in A2 and A3.
4. J&A concrete performed excavation at grid D4 in preparation for collection of end-point samples. Excavated soils were stockpiled separately at grid D5 on plastic sheeting and covered at the end of the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- John Deere 330CLC Excavator

SAMPLES COLLECTED

- End-point samples EP-01, EP-02, and EP-05 from grid A4 at 5-feet below ground surface (bgs).

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 15.16 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 15.16 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

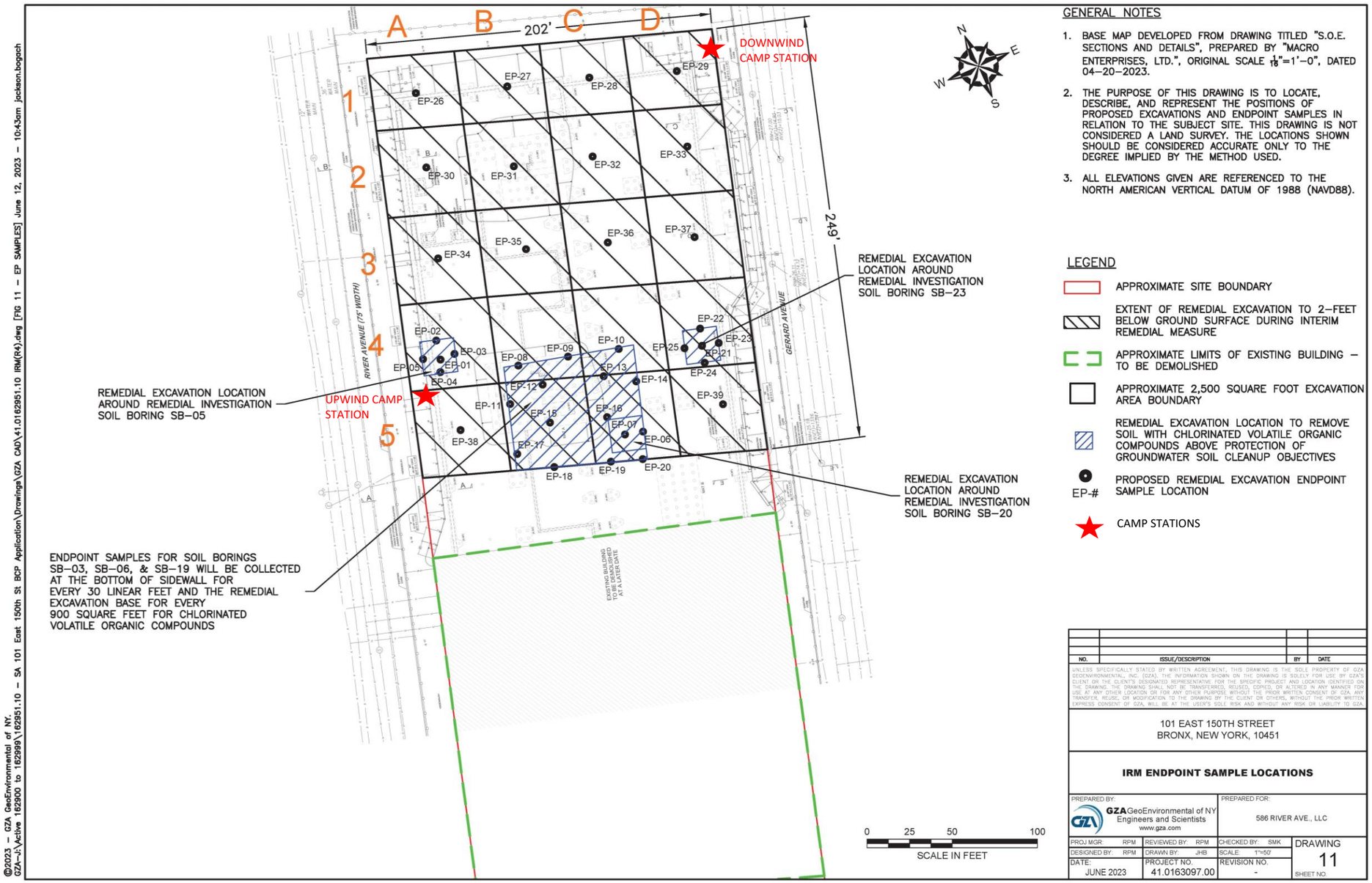
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** North	**Photo No.** 2	**Direction Photo Taken** Northeast
Description: Upwind CAMP station at the southwest corner of the Site.		**Description:** Installation of soldier piles at grid A-4 with the old foundation encountered during excavation.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** East
Description: Excavation at grid D-4 in preparation for collection of end-point samples. Excavated soils were stockpiled on plastic sheeting at grid D-5.		**Description:** Excavation at grids A-4 and A-5. Excavated soils were stockpiled on plastic sheeting at grids A4 and B4. Also shown Downwind CAMP station at the northeast corner of the Site.	

GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

Photo No. 5	Direction Photo Taken: East	Photo No. 6	Direction Photo Taken Northeast
Description: The soil stockpile at grid D-5 covered at the end of the day.		**Description** The soil stockpile in grids A-1, A-2, A-4, and B-4 covered at the end of the day.	

GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 28, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____ _____

_____ _____ _____

Station 2 _____ _____ _____

_____ _____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

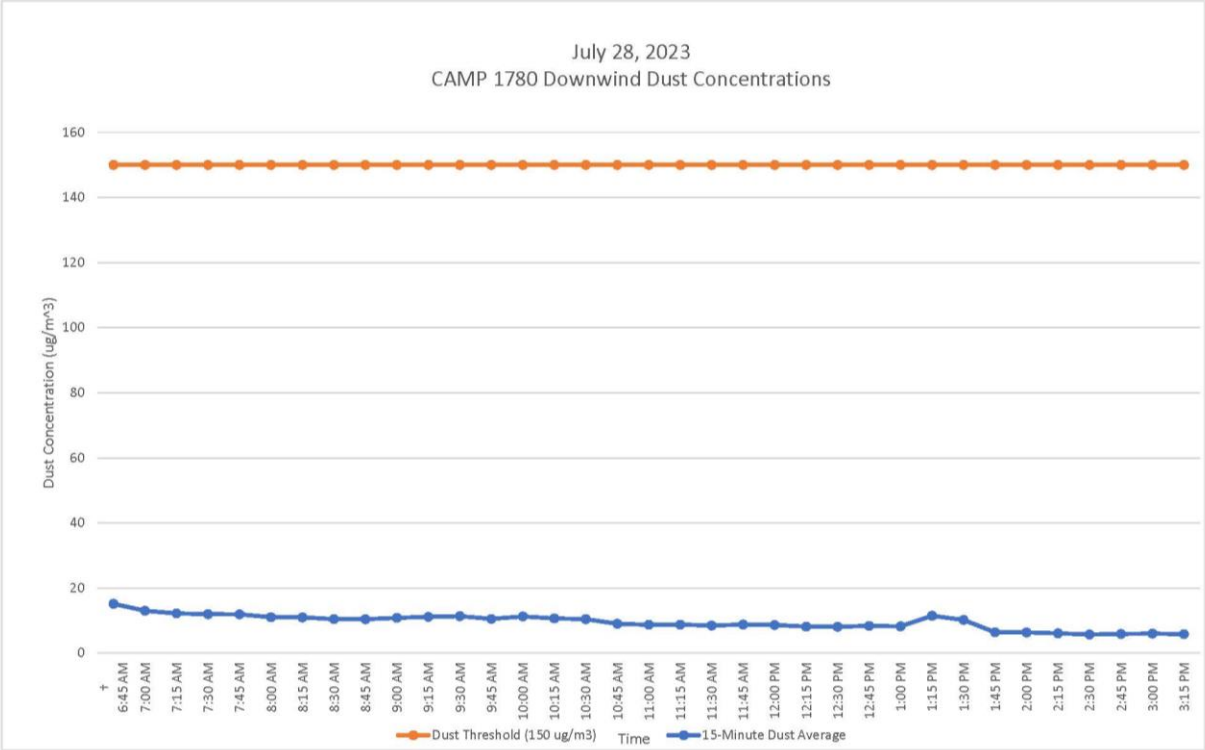
Background Readings:

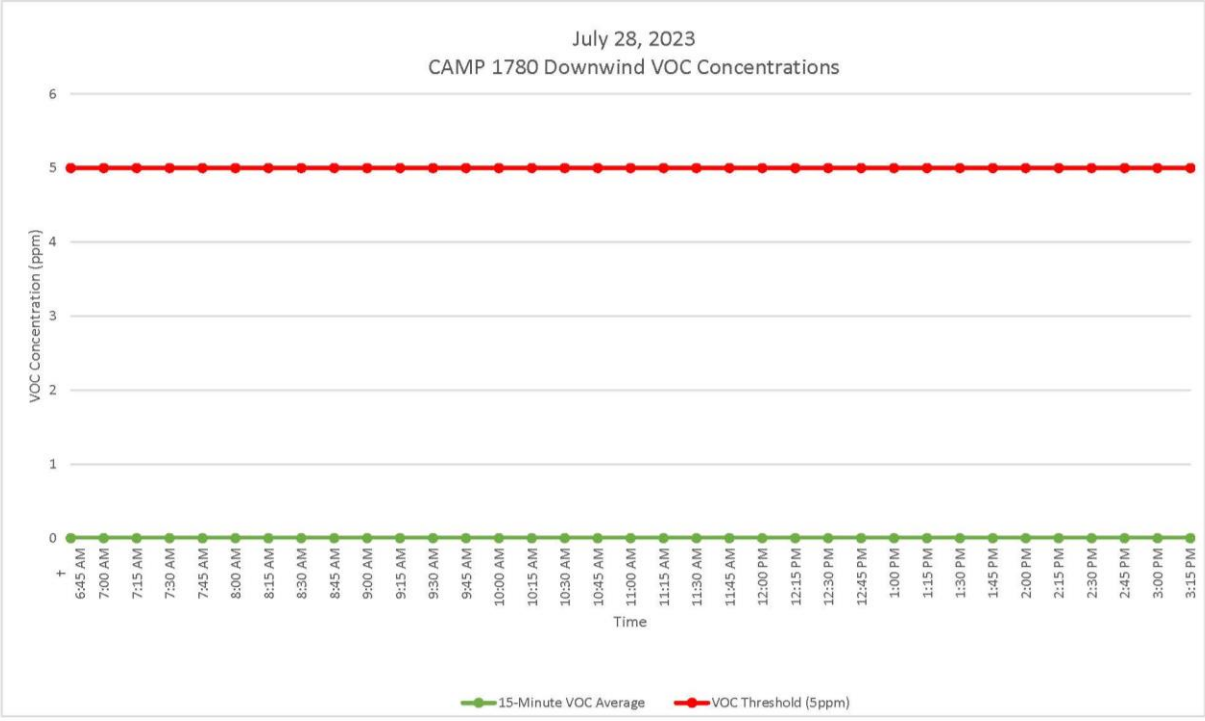
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 15.16
Data Ram 2: 13.93

GZA DAILY FIELD SUMMARY 5

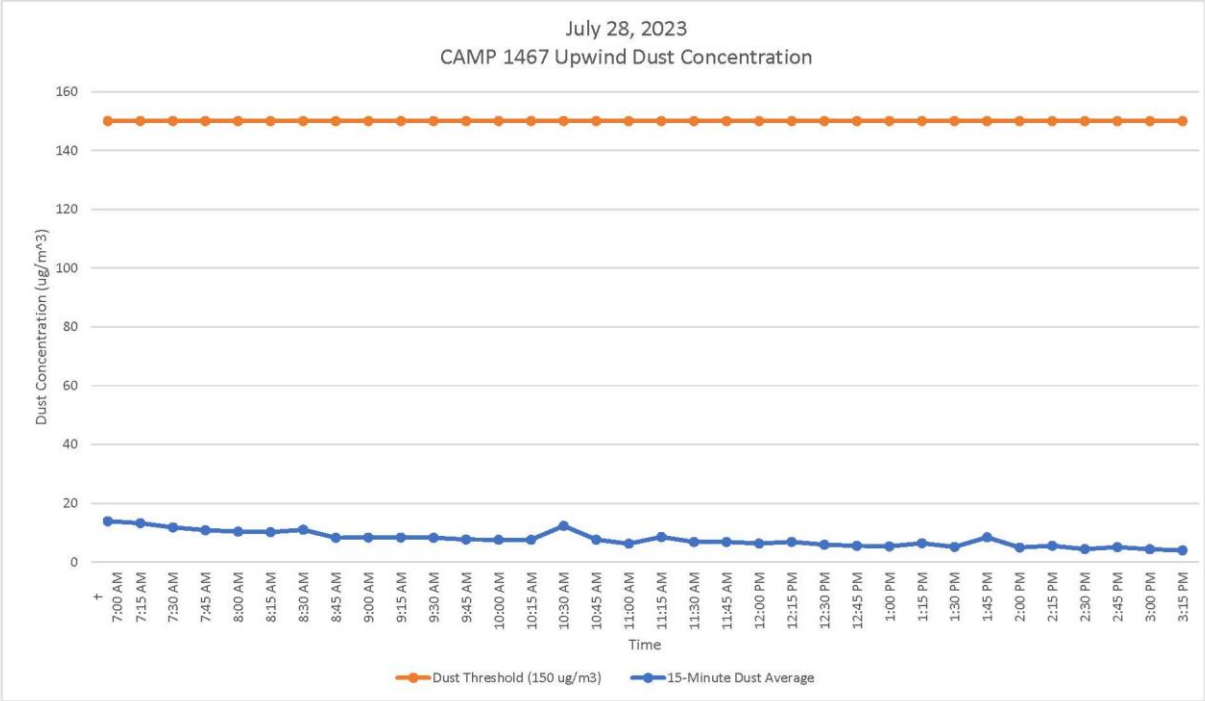
DATE: 7/28/2023
FILE NO: 41.0163097.00

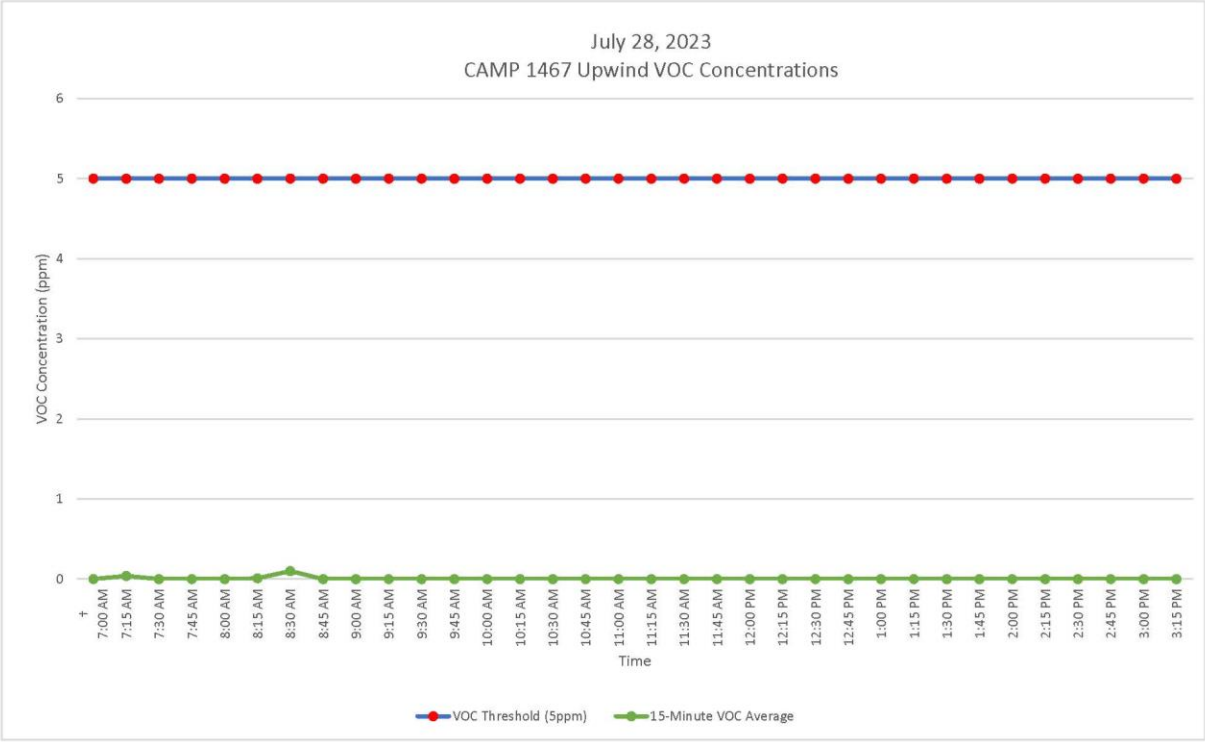




GZA DAILY FIELD SUMMARY 5

DATE: 7/28/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	79.3 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	51.44°F
		MAX WIND SPEED	16 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, July 31, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
	PT Consultants	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 7/31/2023

Work Location (Attachment A): Grid A2, A4, A5, B2, and D4

1. J&A concrete performed excavation in A5 for installation of lagging wall.
2. J&A concrete continued excavation at grid A4 for collection of end-point samples. Excavated soils were stockpiled separately on plastic sheeting at grids A4 and B4 and backfilled completely following sample collection.
3. J&A concrete continued excavation at grid D4 for collection of end-point samples. Excavated soils were stockpiled separately on plastic sheeting at grid D5 and backfilled partially following sample collection. Remaining soils not backfilled were covered at the end of the day.
4. J&A Concrete performed demolition of asphalt surface in A2 and B2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED

- End-point samples EP-03 and EP-04 from grid A-4 at 5-feet below ground surface (bgs) and EP-21 through EP-25 from grid D-4 at 8-feet bgs.

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 2.13 ppm, Particulates: 28.34 ug/m^3
High Conditions – PID: 10.87 ppm, Particulates: 9.07 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
The VOC exceedances noted during this monitoring period were due to calibration/re-calibration of CAMP station equipment. They were not indicative of site conditions as levels fell below threshold upon end of calibration.
No particulate exceedances were noted. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

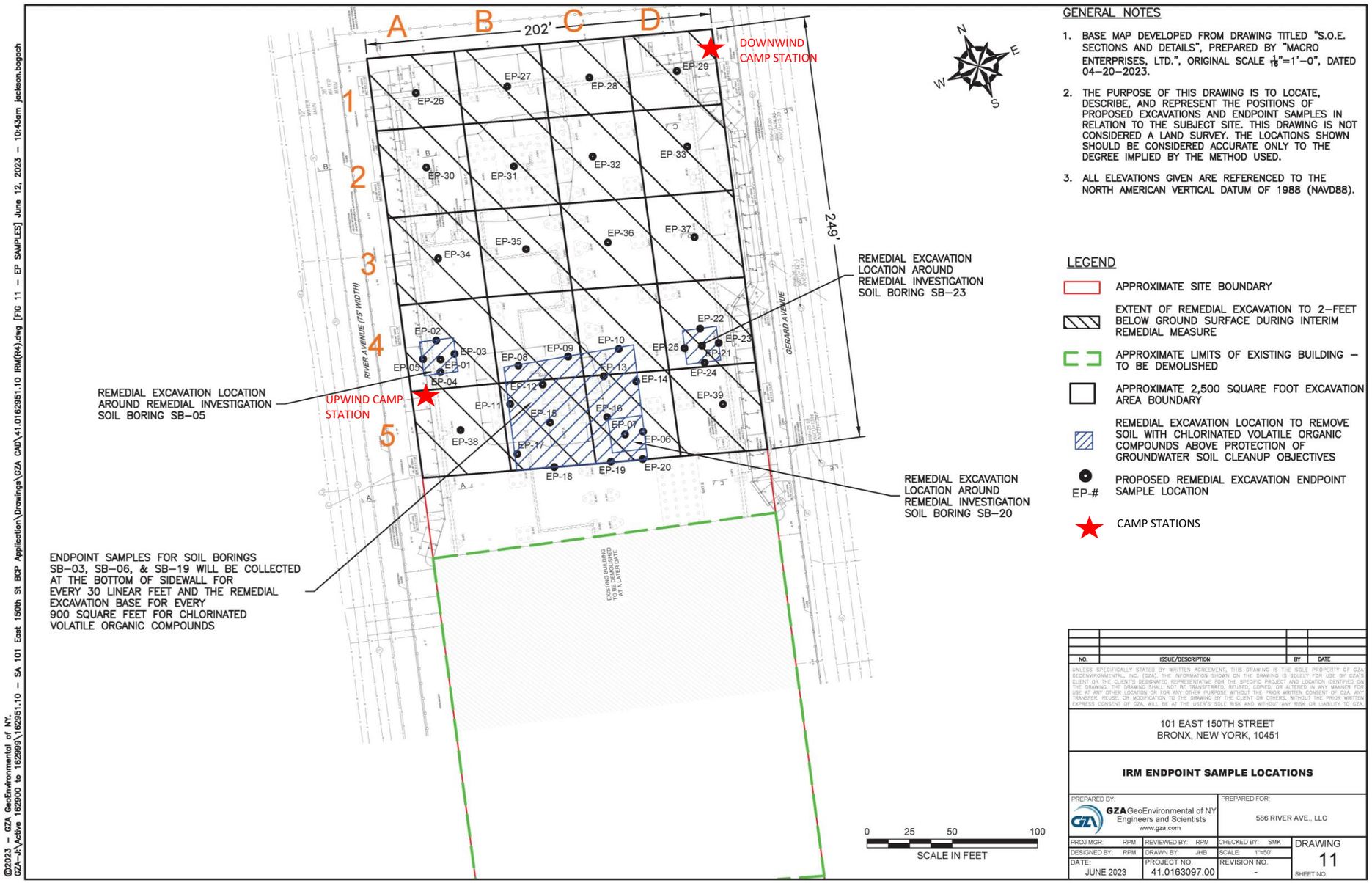
TOTAL CLEAN FILL IMPORTED.

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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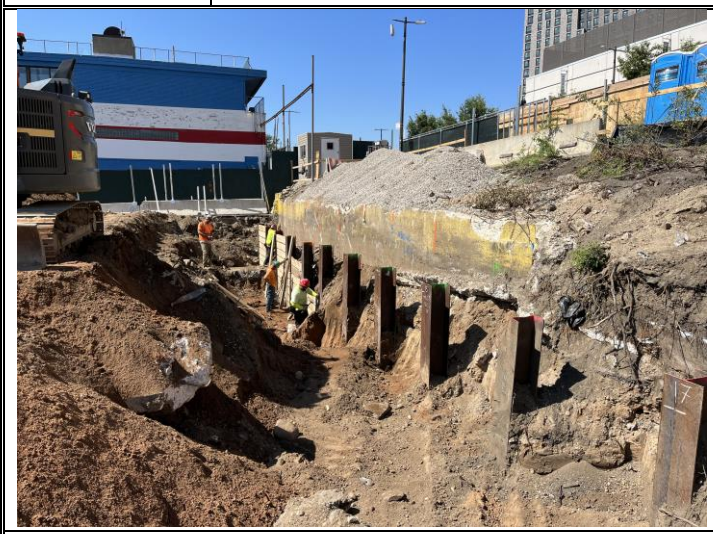
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	Southwest	2	South



Description: Installation of lagging wall at grid A5.

Description: Downwind CAMP station at the northeast corner of the Site during calibration.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
3	North	4	Southeast

Description: Demolition of asphalt surface in A2 and B2, with water being sprayed to minimize dust.

Description: The soil stockpile at grid D-5 covered at the end of the day.

GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: July 31, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 Air Logics CAMP Station (1780– Downwind) with remote telemetry system

Station 2 Air Logics CAMP Station (1467– Upwind) with remote telemetry system

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 10 ppm**	
1	☐ YES	☒ NO	1 ☒ YES	☐ NO
2	☐ YES	☒ NO	2 ☒ YES	☐ NO
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO		
2	☐ YES	☒ NO		
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1	☒ Data	☒ Avg	☐ Summary		
2	☒ Data	☒ Avg	☐ Summary		

Data Rams:

1	☒ Data	
2	☒ Data	

Weather Station: ☐ YES

Background Readings:

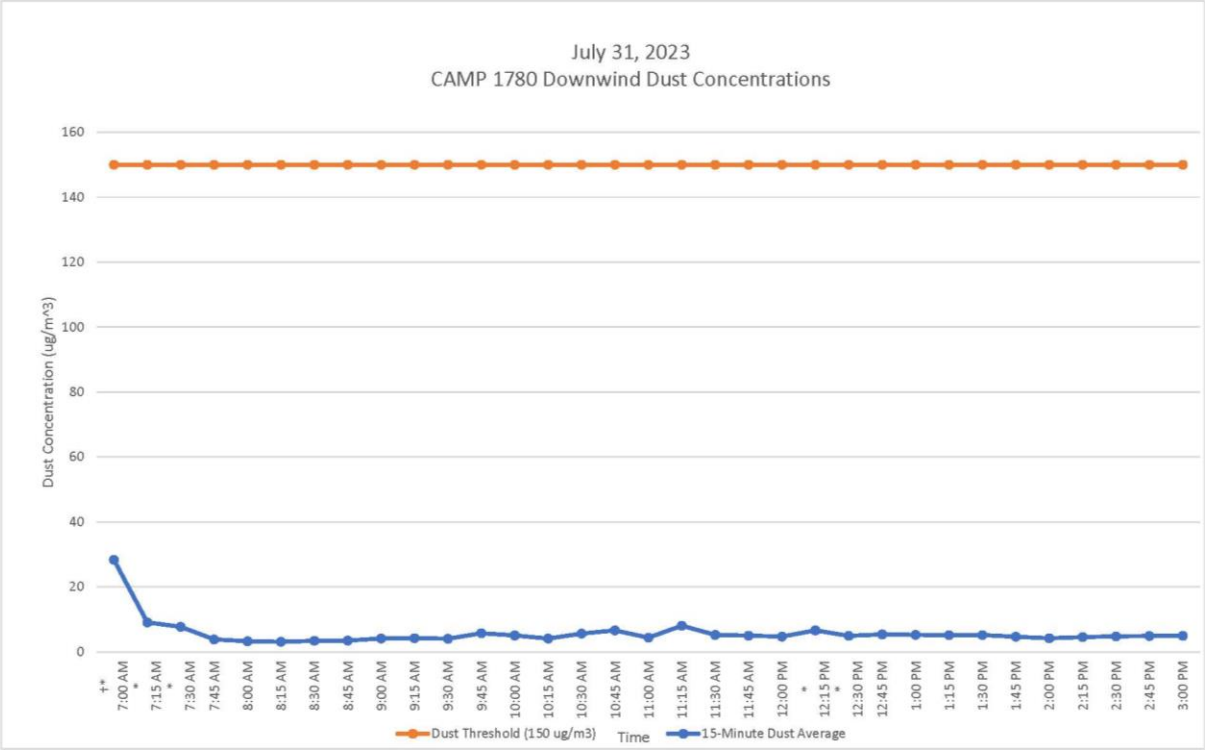
PID 1: 2.13
PID 2: 0.0

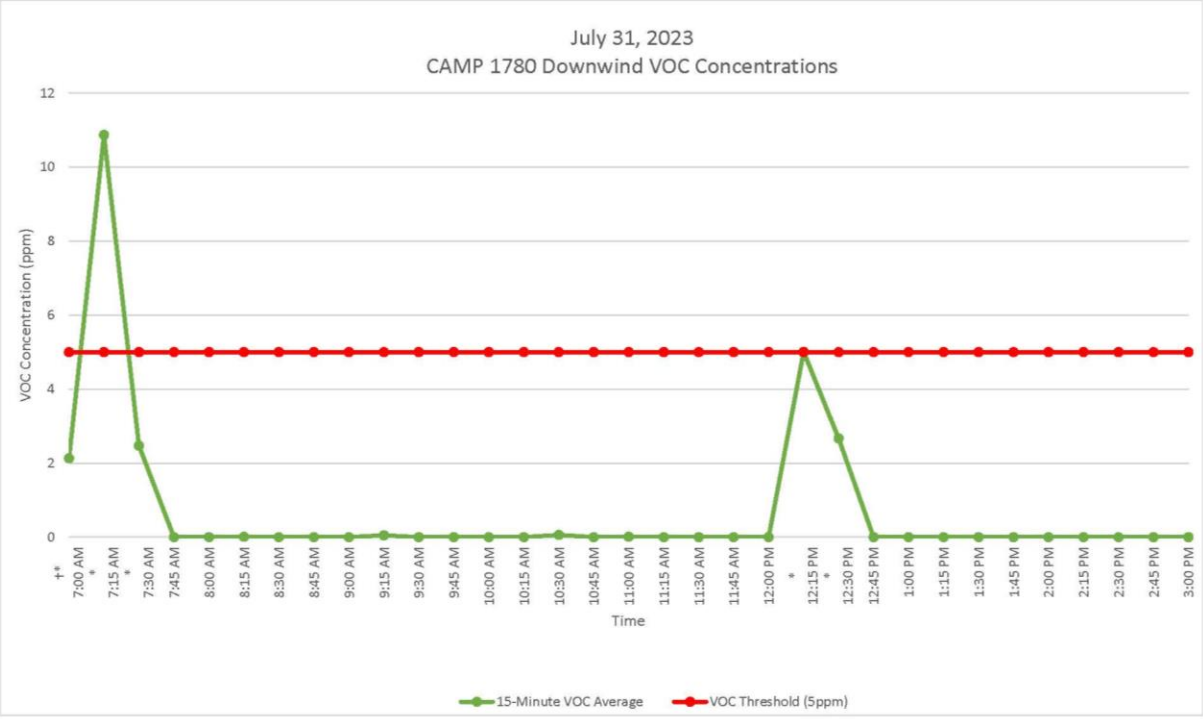
Data Ram 1: 28.34
Data Ram 2: 6.42

GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023

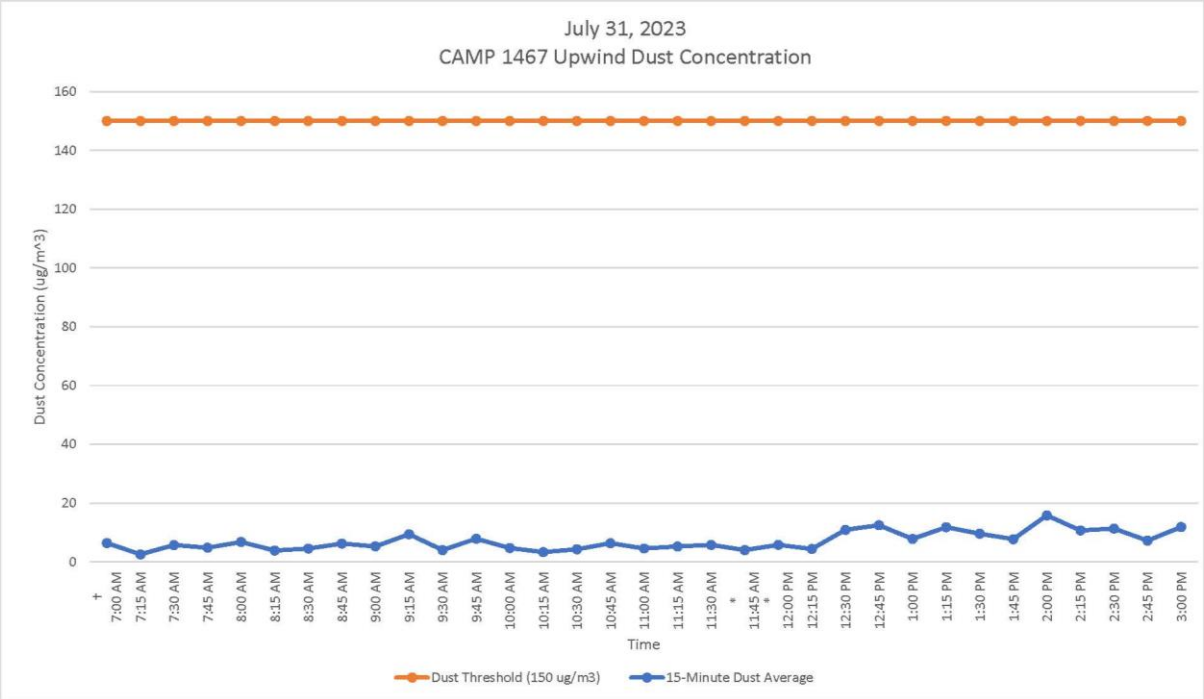
FILE NO: 41.0163097.00

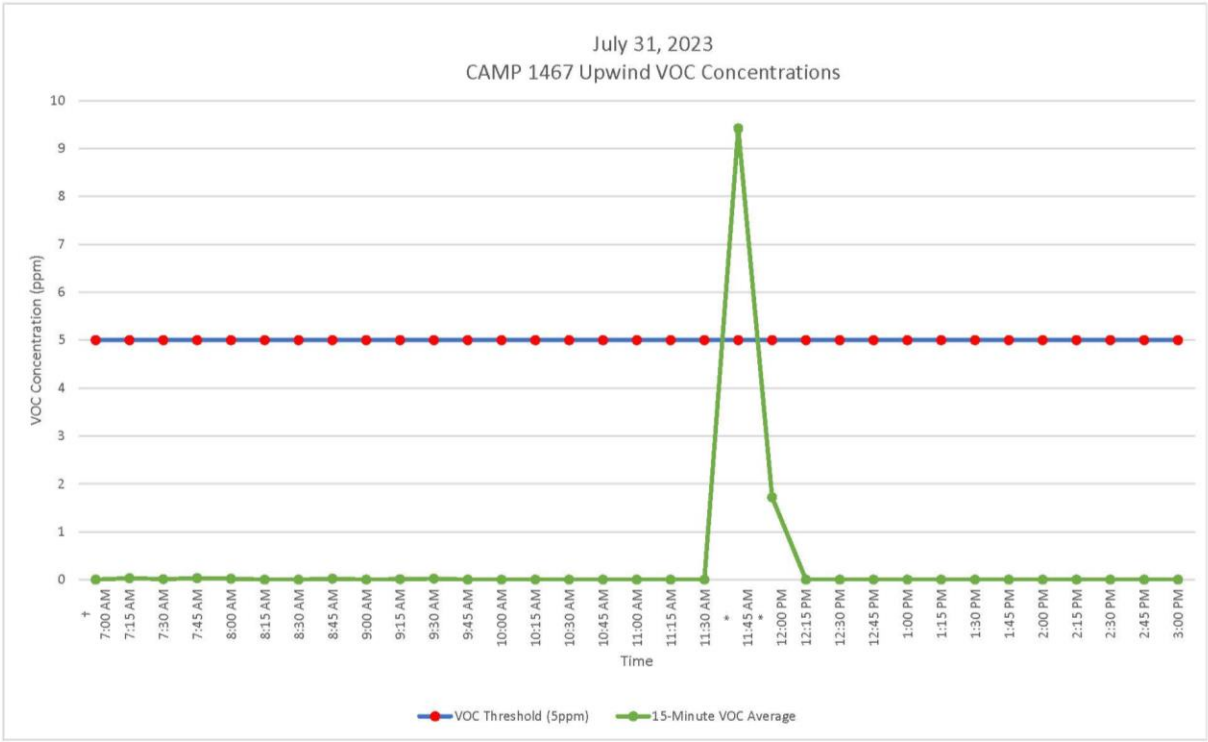




GZA DAILY FIELD SUMMARY 6

DATE: 7/31/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	73.41 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	51.41°F
		MAX WIND SPEED	10 mph from NNE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, August 1, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Macro Enterprises	
	PT Consultants	
SITE VISITORS:	**GZA**	
	Reinbill Maniquez	
	J&A Concrete	
	Paul Cunha	

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 8/1/2023

Work Location (Attachment A): Grid A1, A2, B1, D1, and D2

1. Loadout of stockpiled soil excavated from grids A1, A2, and B1 (0-3 feet bgs). 28 truckloads of soil (approximately 560 cubic yards) were transported to PPark in Prospect Park, New Jersey.
2. Excavation of soil from A1, A2, and B1 and stockpiling in A2 and A3.
3. J&A concrete performed excavation in D1 and D2 for installation of lagging wall.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 10.79 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 11.06 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 28 truckloads of soil (approximately 560 cubic yards) were transported to PPark in Prospect Park, New Jersey.

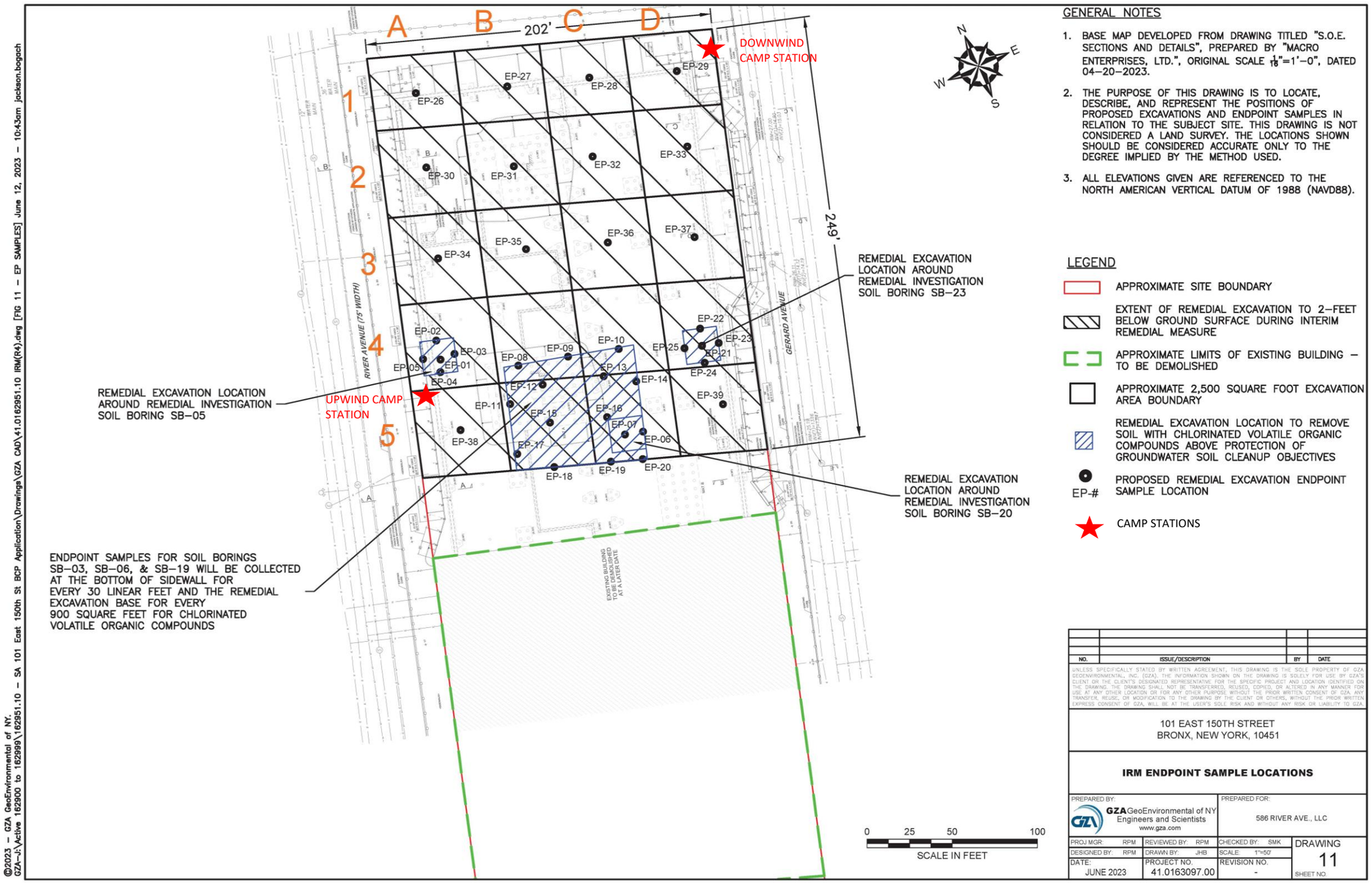
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** North	**Photo No.** 2	**Direction Photo Taken** Southwest
Description: J&A Concrete loading trucks from a stockpile. Soils in the stockpile are from grids A-1, A-2, and B-1 (0-3 feet bgs).		**Description:** J&A Concrete removing soil and debris from trucks before exiting the site.	
Photo No. 3	**Direction Photo Taken:** West	**Photo No.** 4	**Direction Photo Taken** North
Description: Munoz Truck tarp covering being inspected prior to leaving the Site.		**Description:** Dust suppression measure was implemented by spraying down soil with water	

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

Photo No. **5**	**Direction Photo Taken:** North	**Photo No.** **6**	**Direction Photo Taken** East
Description: Downwind CAMP station at the southwest corner of the Site.		**Description:** The soil stockpile at grids A-2 and A-3 covered at the end of the day.	

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 1, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 Air Logics CAMP Station (1780– Downwind) with remote telemetry system

Station 2 Air Logics CAMP Station (1467– Upwind) with remote telemetry system

Hand Held PID Model 580 SN: 592-602879

Hand Held SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary

2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:

1 ☒ Data

2 ☒ Data

Weather Station: ☐ YES

Background Readings:

PID 1: 0.0

PID 2: 0.0

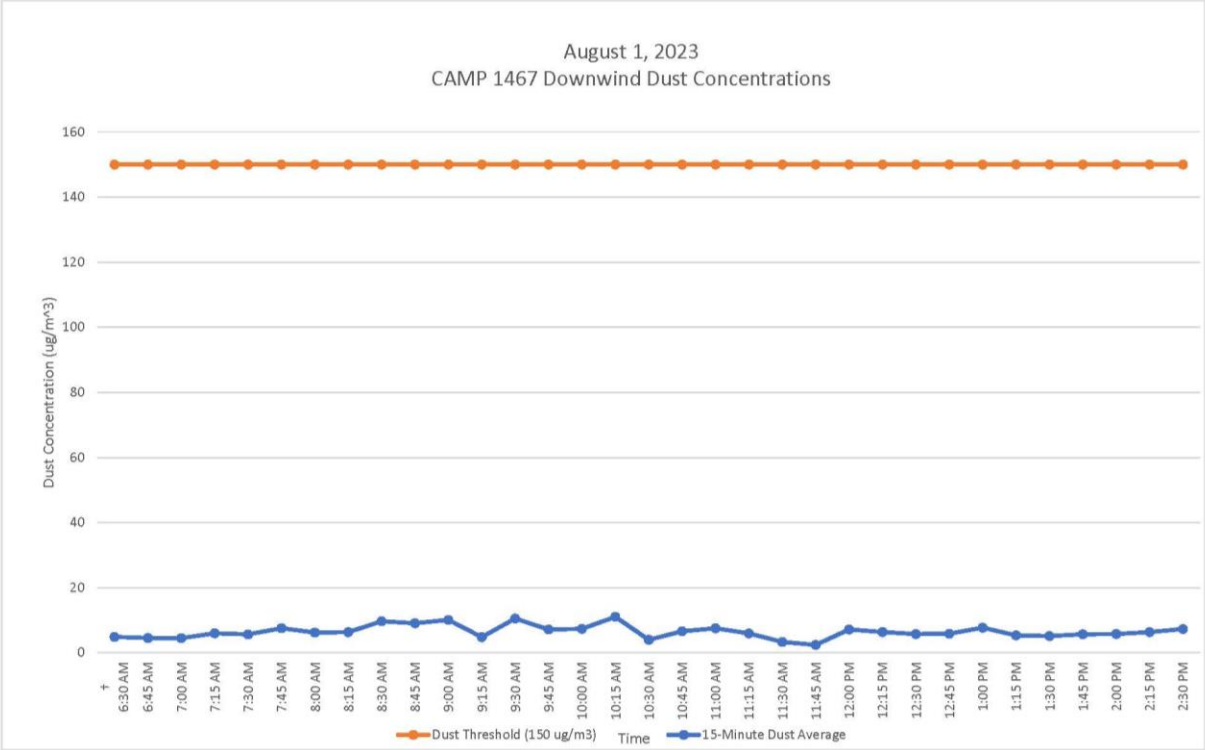
Data Ram 1: 10.79

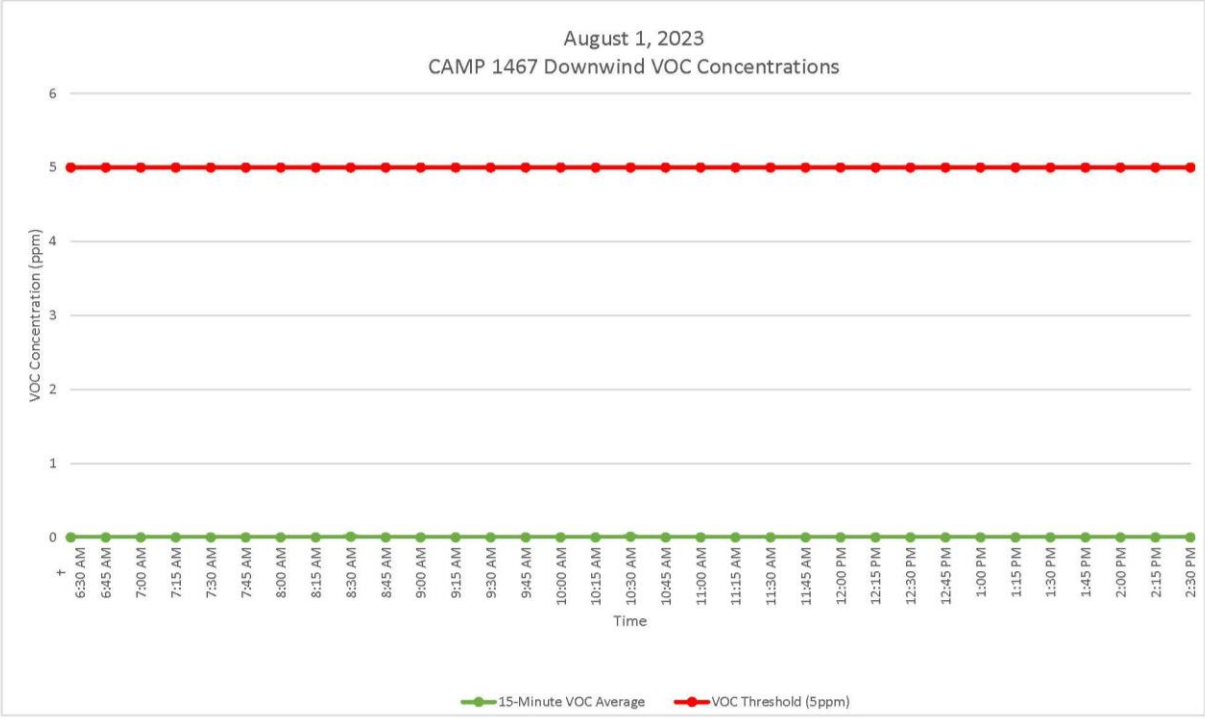
Data Ram 2: 4.88

GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023

FILE NO: 41.0163097.00

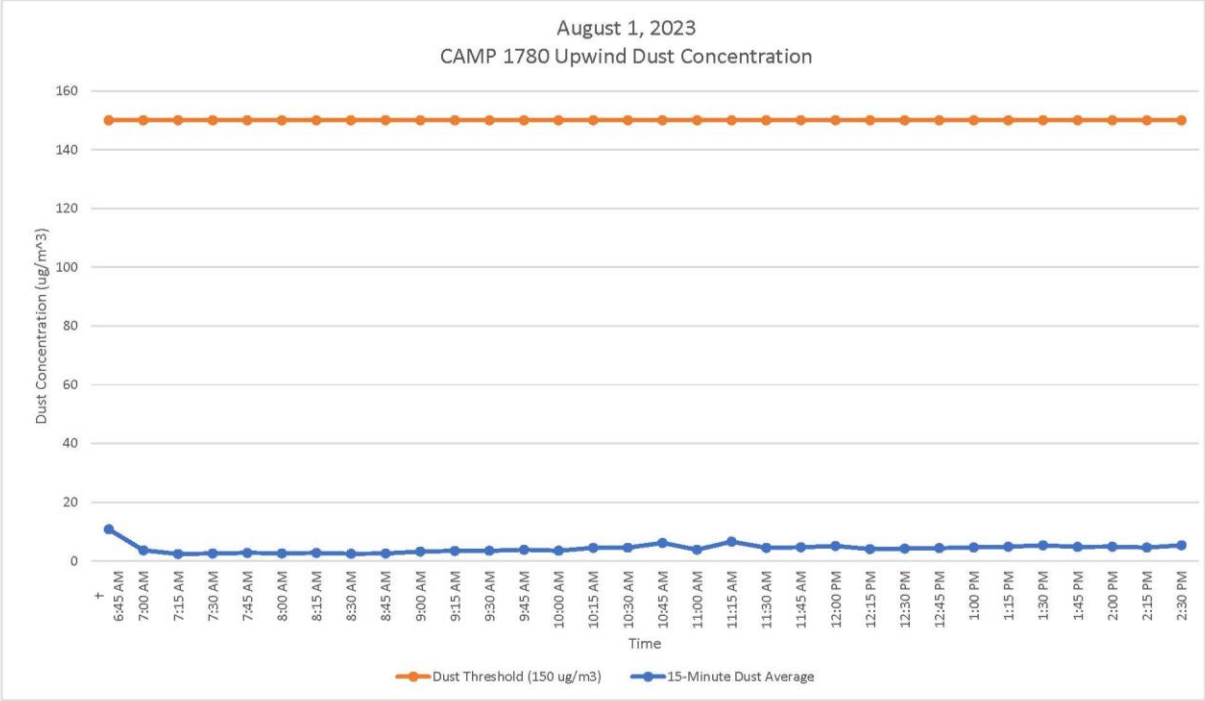


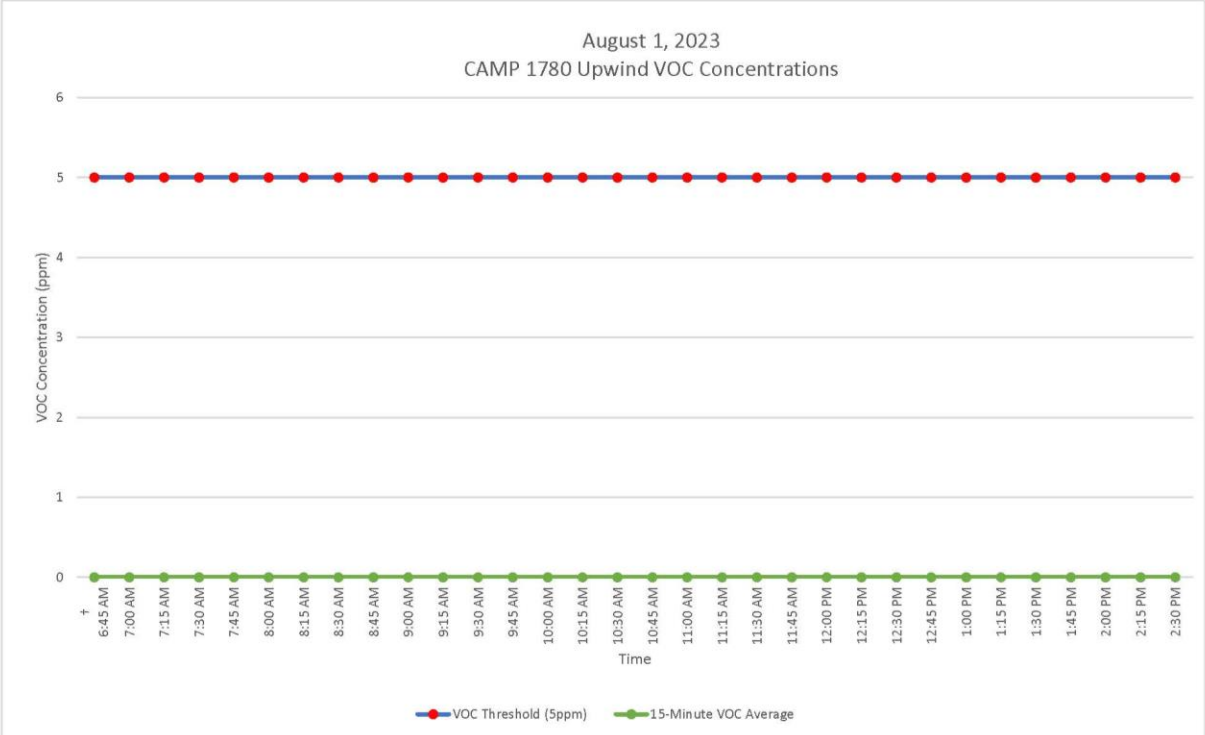


GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 7

DATE: 8/1/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	28	560	0	0	28	560
Previous	0	0	0	0	0	0
Total	**28**	**560**	**0**	**0**	**28**	**560**

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	72.55 °F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	48.36°F
		MAX WIND SPEED	12 mph from ENE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, August 2, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	Matthew DiLorenzo
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 8/2/2023

Work Location (Attachment A): Grid A1, A2, A3, B1, B2, B3, D2, and D4

1. Loadout of stockpiled soil excavated from grids A1, A2, and B1 (0-3 feet bgs). 10 truckloads of soil (approximately 200 cubic yards) were transported to PPark in Prospect Park, New Jersey.
2. Loadout of stockpiled soil excavated from grids A1, A2, and B1 (3-6 feet bgs). 25 truckloads of soil (approximately 500 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
3. Excavation of soil from grids A2 and B1 and stockpiling at grids A2 and A3.
4. J&A Concrete performed demolition of asphalt surface at grids B2 and B3.
5. Loadout of asphalt from grids A2, B2, and B3. 7 truckloads of asphalt were transported to Faztec Industries in Staten Island, New York.
6. J&A Concrete performed excavation at grid D2 for installation of lagging wall. Excavated soils were stockpiled at grid D2 and covered at the end of the day.
7. J&A Concrete backfilled the soils stockpiled at grid D5 in grid D4.
8. Soil Solutions moved pile load test materials offsite.
9. Independence Carting moved roll-off dumpster offsite.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 11.83 ug/m^3
High Conditions – PID: 0.03 ppm, Particulates: 9.83 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 10 truckloads of soil (approximately 200 cubic yards) were transported to PPark in Prospect Park, New Jersey.
- 25 truckloads of soil (approximately 500 cubic yards) were transported to Clean Earth in Carteret, New Jersey.

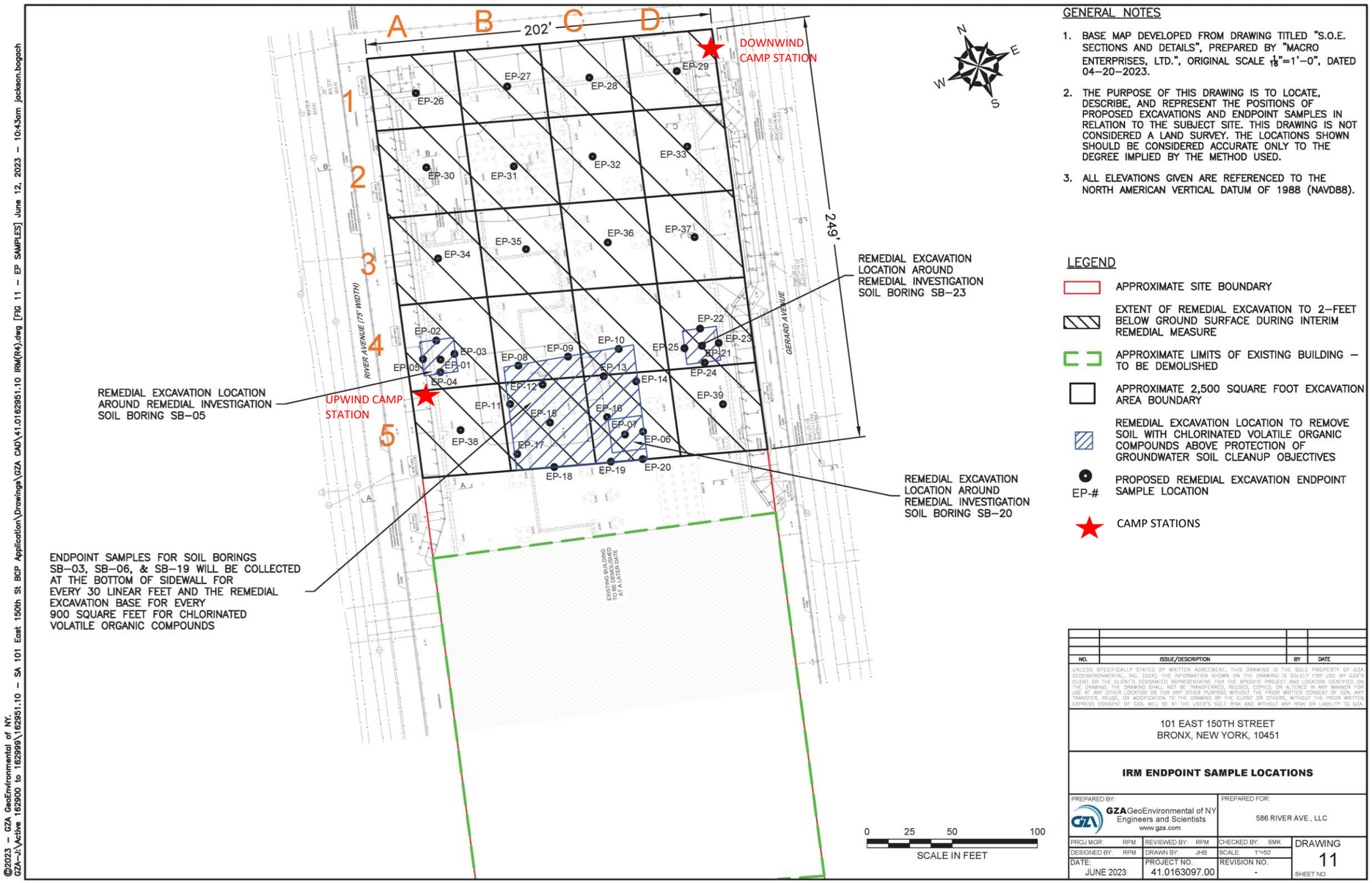
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	Northwest	2	West

Description: J&A Concrete loading trucks from stockpiles. Soils in the stockpiles are from grids A-1, A-2, and B-1 (0-3 feet and 3-6 feet bgs).

Description: J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
3	Northwest	4	North

Description: Demolition of asphalt surface at grids B2 and B3.

Description: Downwind CAMP station at the southwest corner of the Site overlooking soil loadouts.

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
5	Northeast	6	East

Description: Dust suppression measure implemented by the use of water truck spraying down soil with water.

Description: Soil backfill at grid D4.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
7	Northeast	8	Northeast

Description: Excavation at grid D2 for installation of lagging wall.

Description: The soil stockpile at grids A-2, A-3, and D2 covered at the end of the day.

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 2, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 Air Logics CAMP Station (1780– Downwind) with remote telemetry system

Station 2 Air Logics CAMP Station (1467– Upwind) with remote telemetry system

Hand Held PID Model 580 SN: 592-602879
Hand Held SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**	
1	☐ YES	☒ NO	1 ☐ YES	☒ NO
2	☐ YES	☒ NO	2 ☐ YES	☒ NO
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO		
2	☐ YES	☒ NO		
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1	☒ Data	☒ Avg	☐ Summary	
2	☒ Data	☒ Avg	☐ Summary	

Data Rams:

1	☒ Data
2	☒ Data

Weather Station: ☐ YES

Background Readings:

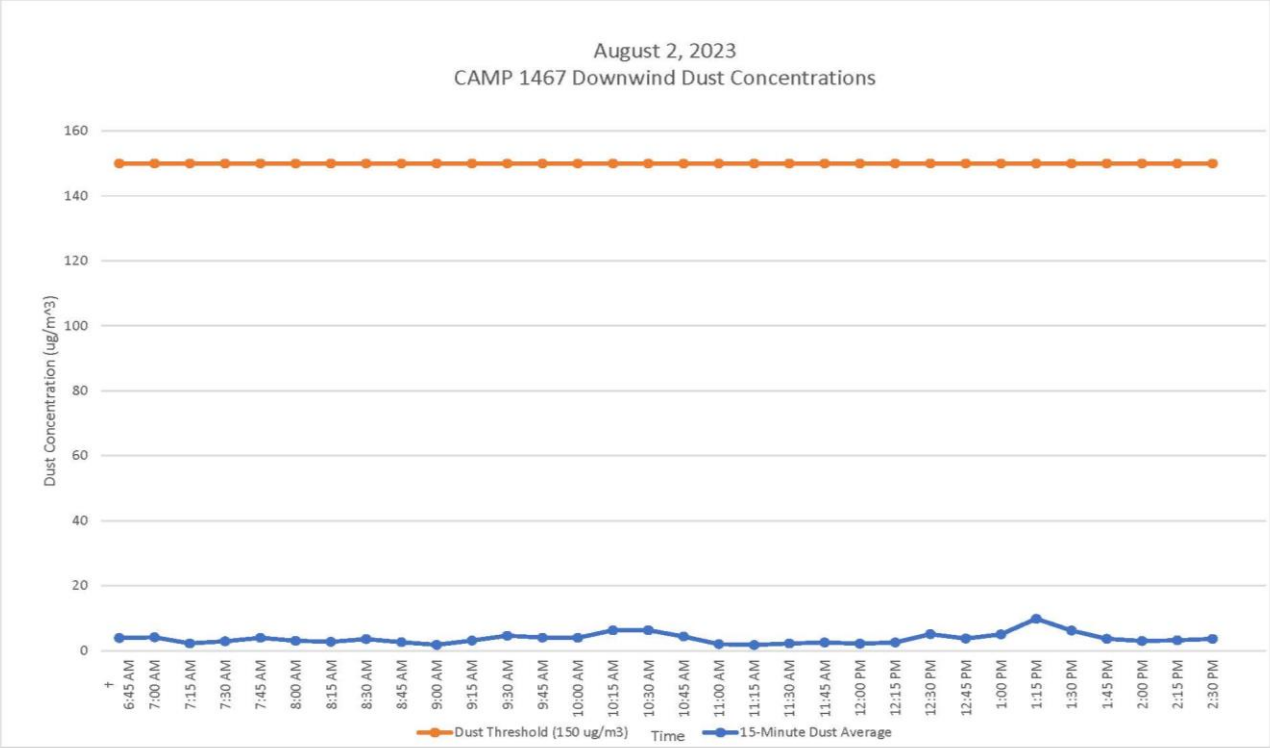
PID 1: 0.0
PID 2: 0.0

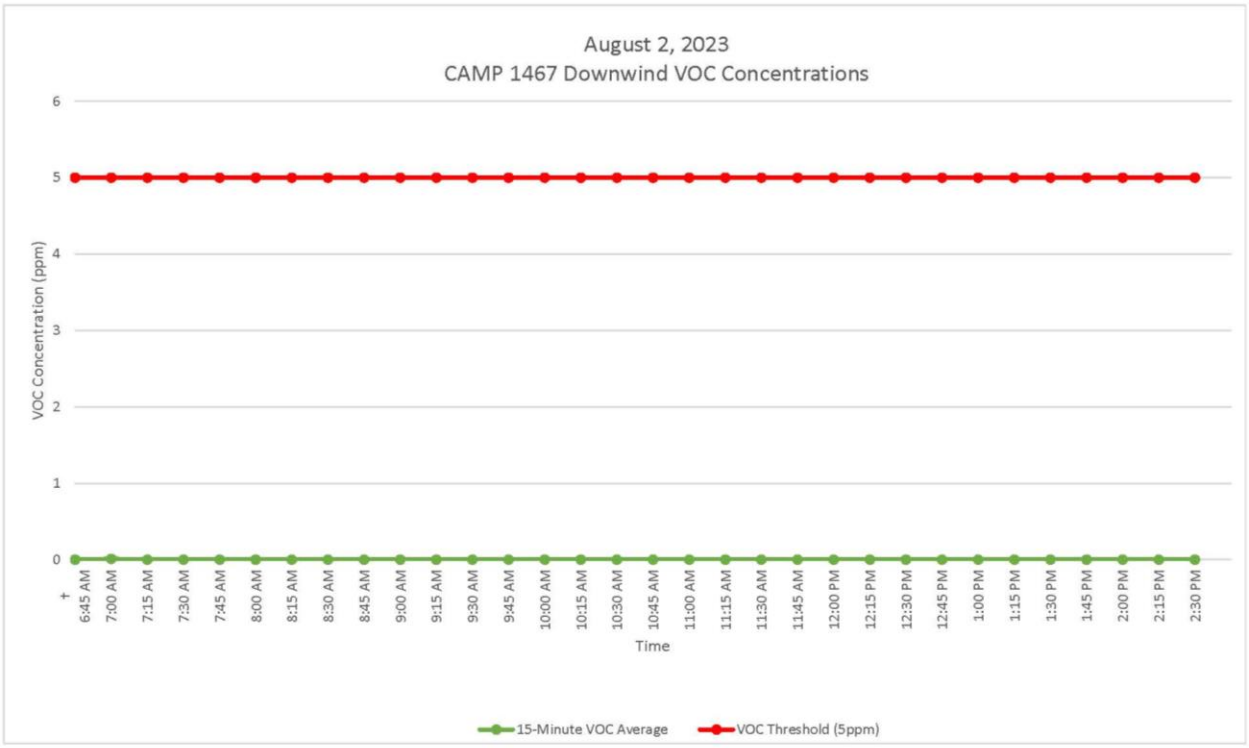
Data Ram 1: 11.83
Data Ram 2: 3.90

GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023

FILE NO: 41.0163097.00

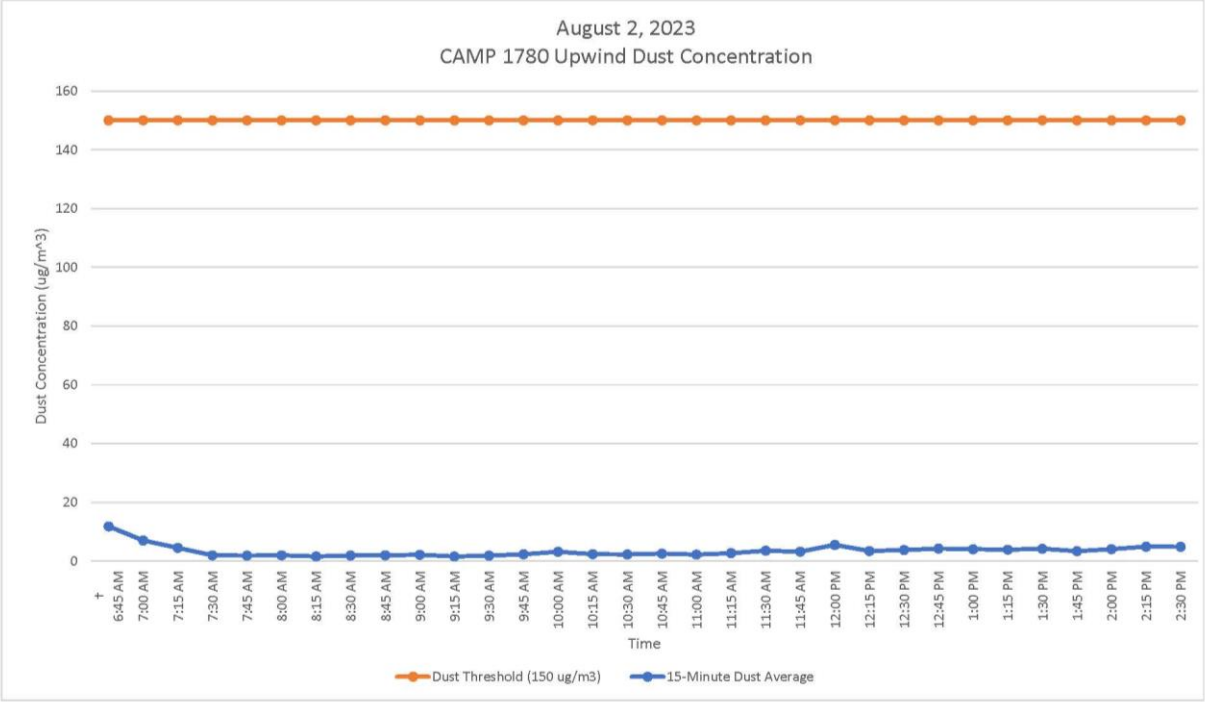


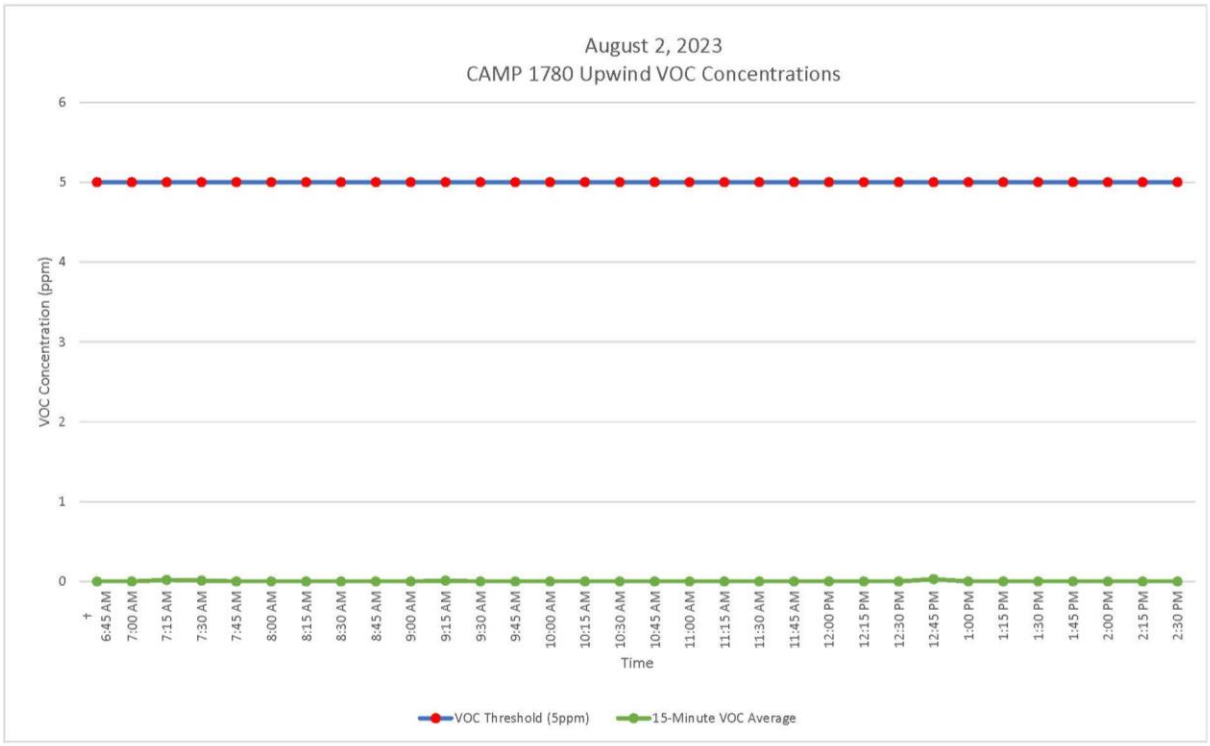


GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 8

DATE: 8/2/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	10	200	25	500	35	700
Previous	28	560	0	0	28	560
Total	**38**	**760**	**25**	**500**	**63**	**1,260**

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	74.00°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	53.44°F
		MAX WIND SPEED	20 mph from SSE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, August 3, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 8/3/2023

Work Location (Attachment A): Grid A1, A2, A3, B2, B3, D2, and D4

1. Loadout of stockpiled soil excavated from grids A2 (3-6ft bgs) and A3 (0-6 feet bgs). 30 truckloads of soil (approximately 600 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. Excavation of soil from grids A2 and A3 and stockpiling at grid B2.
3. J&A Concrete performed demolition of asphalt surface at grids B3 and B4.
4. Loadout of asphalt from grids B2, B3, B4 and C4. 6 truckloads of asphalt were transported to Faztec Industries in Staten Island, New York.
5. J&A Concrete performed excavation at grids B2 and D2 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
6. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.06 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 74.17 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 30 truckloads of soil (approximately 600 cubic yards) were transported to Clean Earth of Carteret, New Jersey.

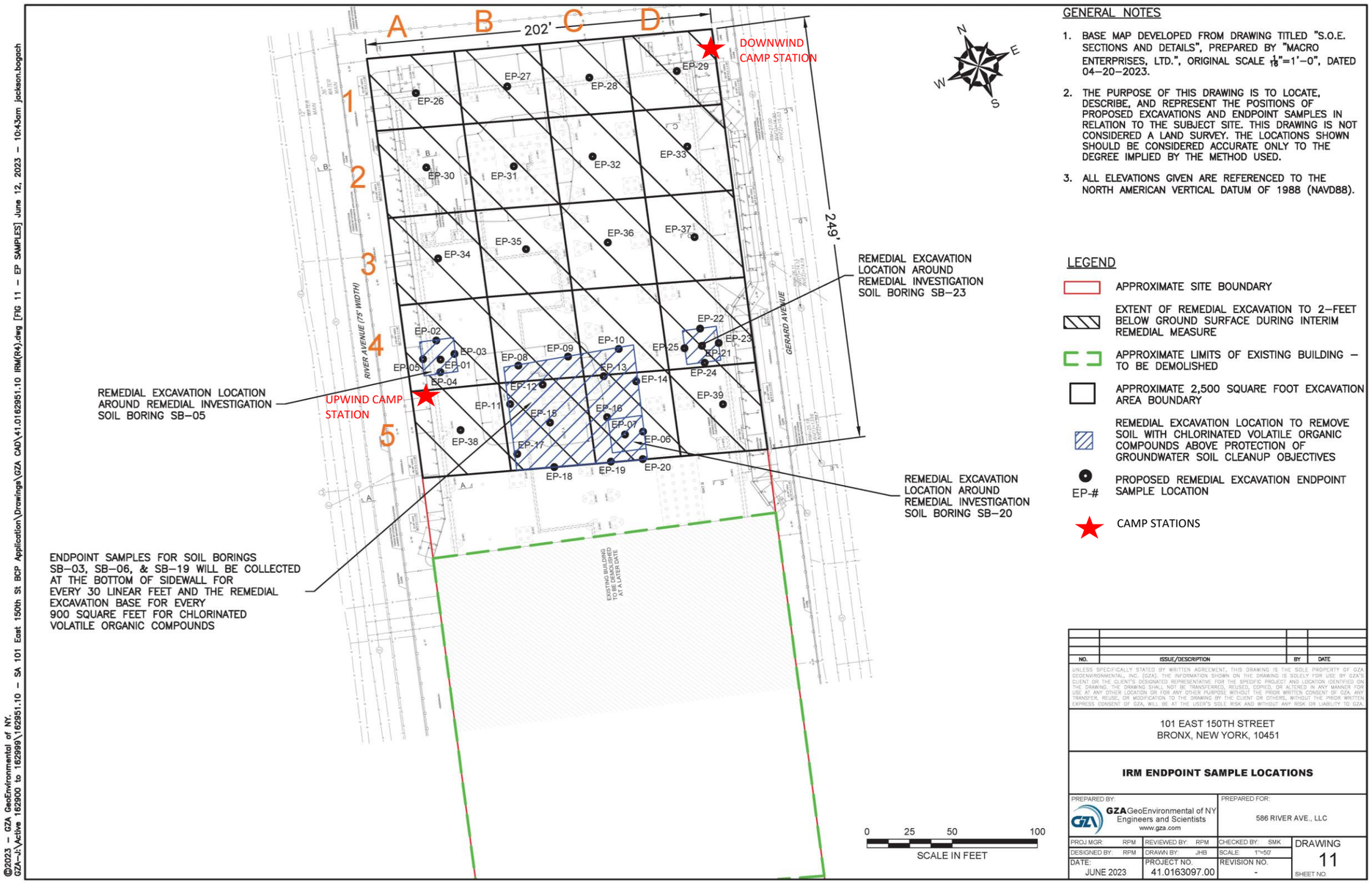
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Northwest	Photo No. 2	Direction Photo Taken South
Description: J&A loading soil from grids A-2 and A-3 for transport to Clean Earth of Carteret.		**Description:** J&A Concrete cleaning debris from trucks prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No. 4**	**Direction Photo Taken** North
Description: Project utilized **w**ater truck used as dust suppression measure.		**Description:** Downwind CAMP station at the southwest corner of the Site.	

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

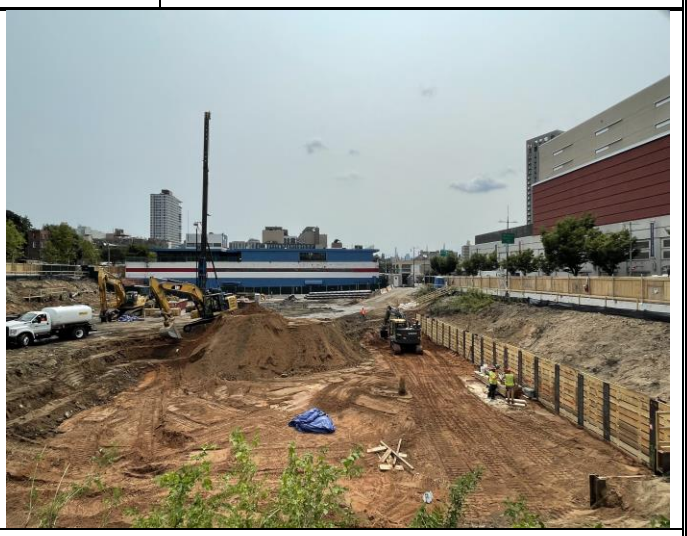
Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
5	Southwest	6	Northeast

Description: Demolition of asphalt surface at grid C4.

Description: J&A loading asphalt into truck for transport off-site.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
7	East	8	South

Description: Excavation at grid D2 for installation of lagging wall.



Description: Overview of excavated northwest portion of the site.

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 3, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1 ☒ Data ☒ Avg ☐ Summary _____
2 ☒ Data ☒ Avg ☐ Summary _____

Data Rams:

1 ☒ Data _____
2 ☒ Data _____

Weather Station: ☐ YES

Background Readings:

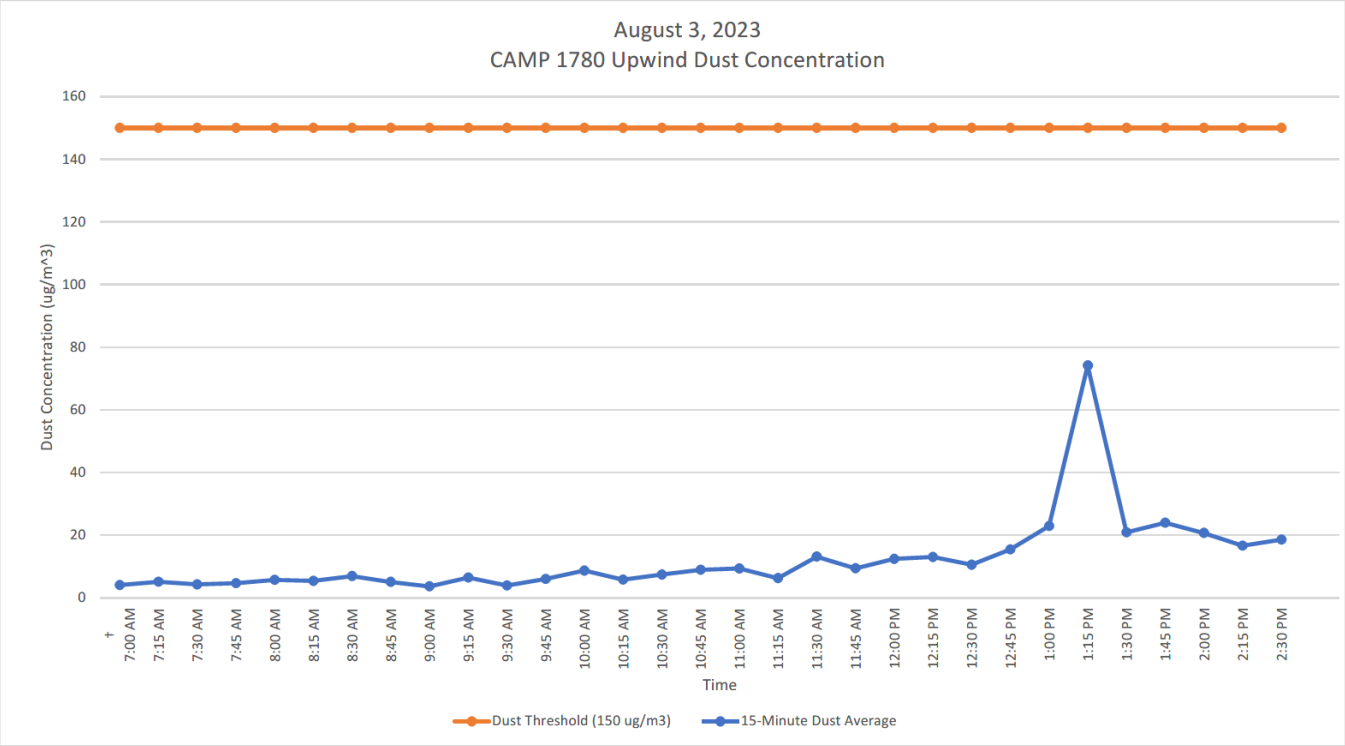
PID 1: 0.0
PID 2: 0.0

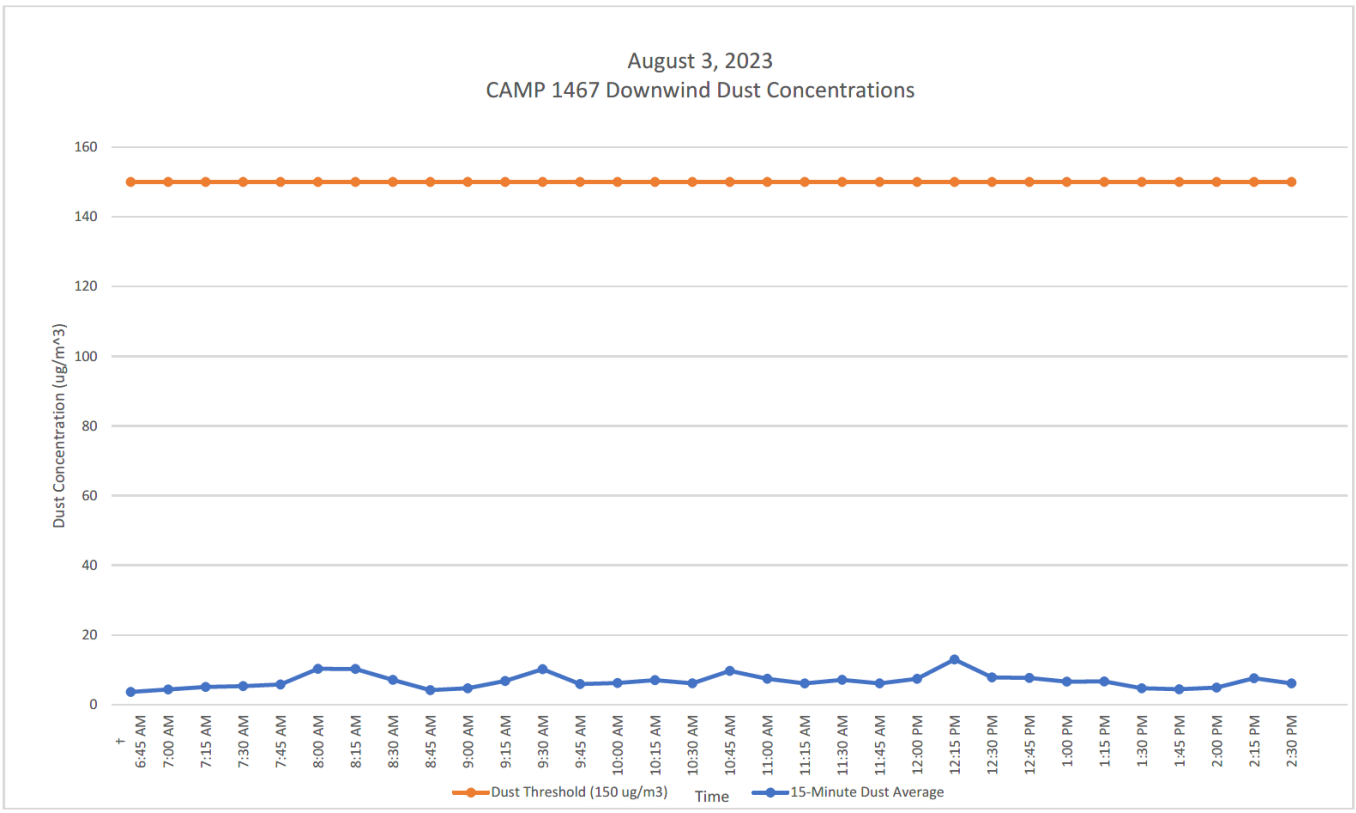
Data Ram 1: 4.06
Data Ram 2: 3.67

GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023

FILE NO: 41.0163097.00

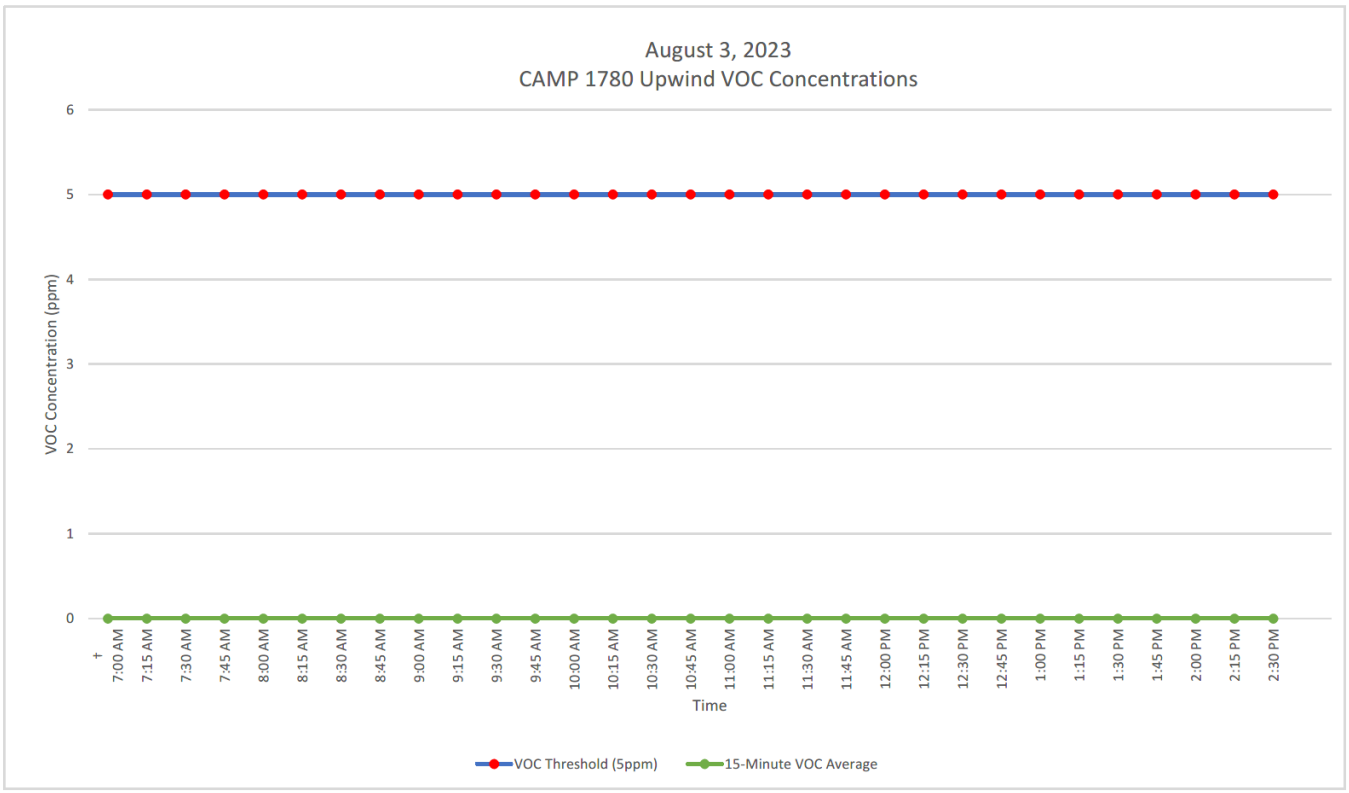


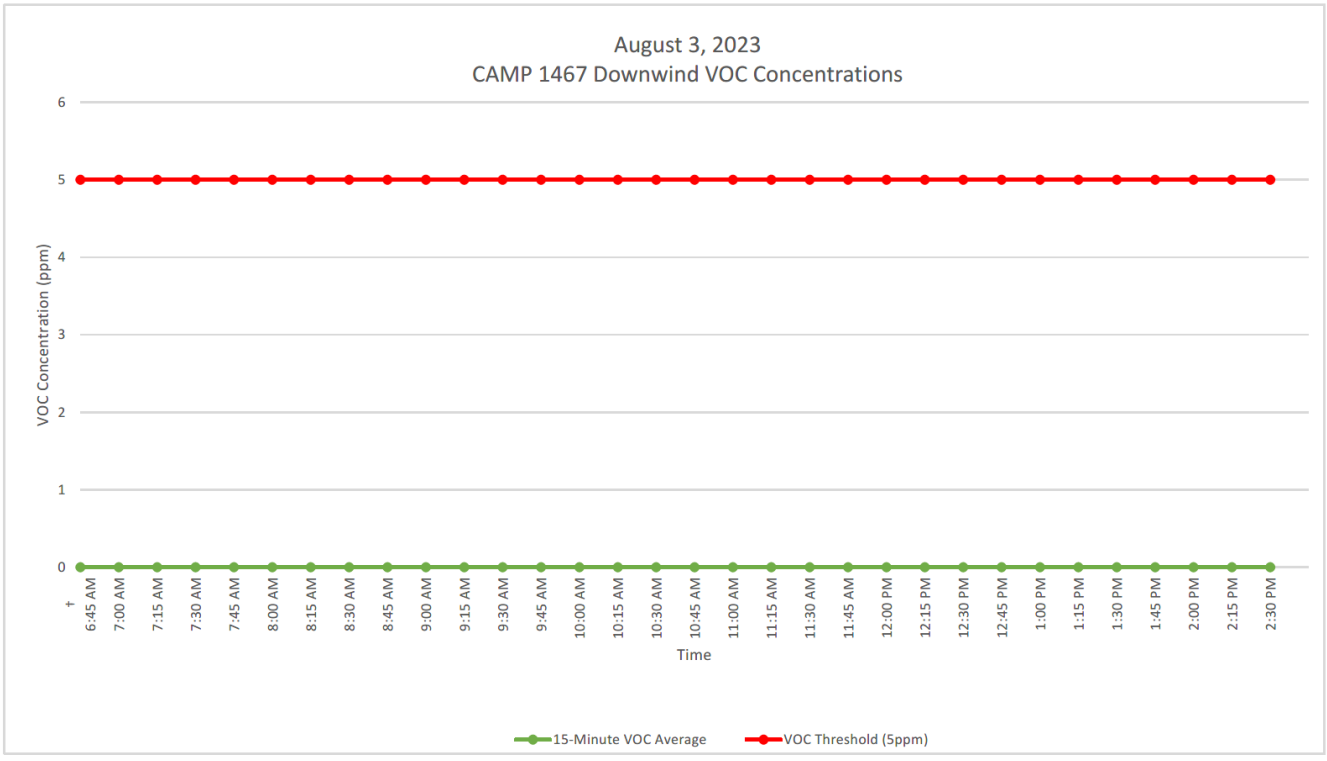


GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 9

DATE: 8/3/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	38	760	25	500	63	1,260
Total	**38**	**760**	**55**	**1,100**	**93**	**1,860**

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	73.89°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	61.68°F
		MAX WIND SPEED	15 mph from SSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, August 4, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 8/4/2023

Work Location (Attachment A): Grid A1, A2, A3, B1, B2, B4, C4 and D2 and D3.

1. Loadout of stockpiled soil excavated from grids A2 (3-6ft bgs), A3 (0-6 feet bgs), B1 (3-6ft bgs) and B2 (3-6ft bgs). 31 truckloads of soil (approximately 620 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. Excavation of soil from grids A2, A3, B1 and B2 and stockpiling at grid B2.
3. J&A Concrete performed demolition of asphalt surface at grids B4 and C4 and stockpiled in grid B4.
4. J&A Concrete performed excavation at grids A1 and D3 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
5. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 20.63 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 25.33 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 31 truckloads of soil (approximately 620 cubic yards) were transported to Clean Earth of Carteret, New Jersey.

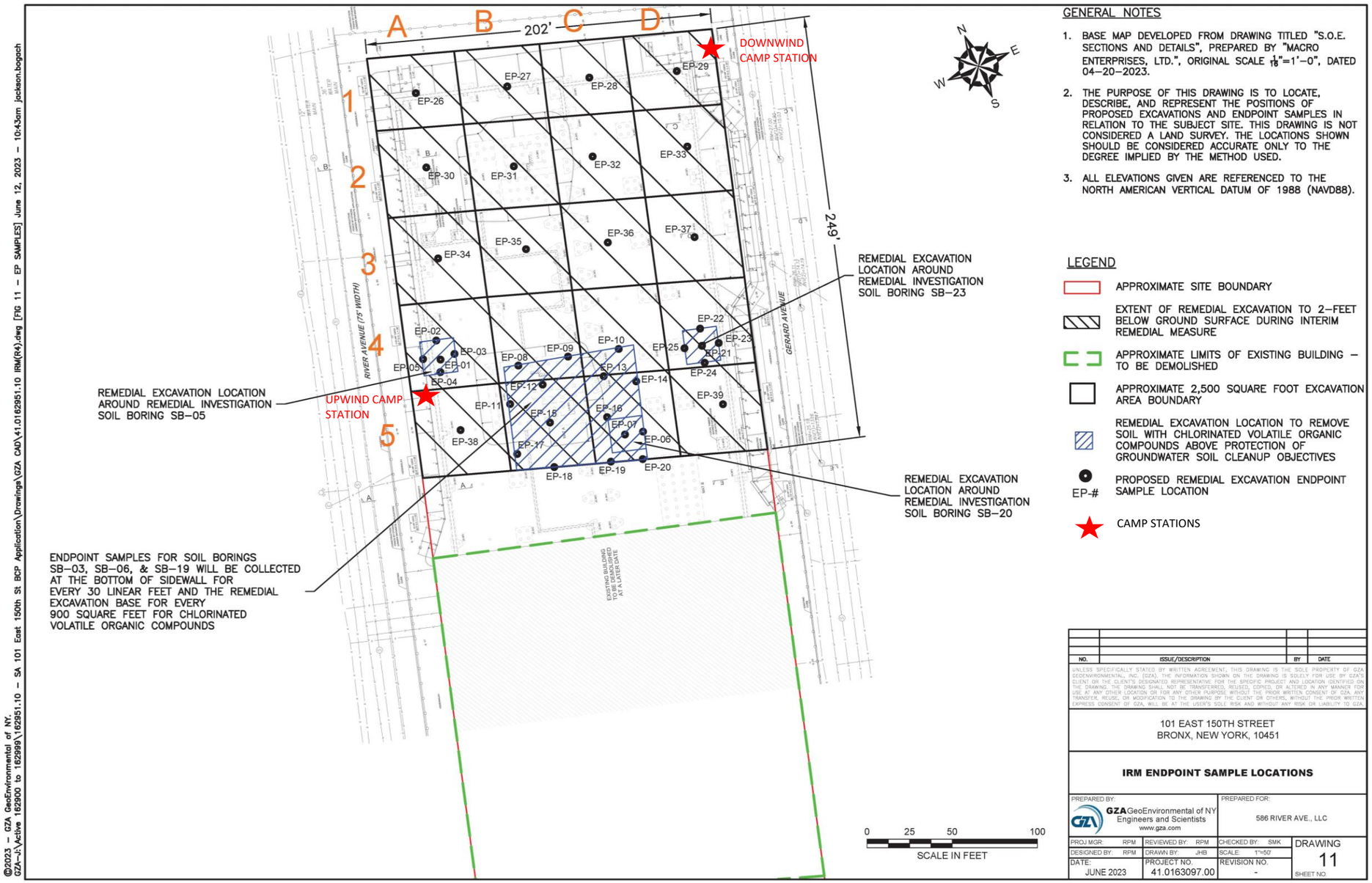
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southwest
Description: J&A loading soil from the grid B-2 stockpile for transport to Clean Earth of Carteret.		**Description:** J&A Concrete cleaning debris from trucks prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** North
Description: Project utilized **w**ater truck as dust suppression measure.		**Description:** Downwind CAMP station at the southwest corner of the Site.	

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

Photo No. 5	**Direction Photo Taken:** Northeast	**Photo No.** 6	**Direction Photo Taken** Southeast
Description: Excavation at grid D2 for installation of lagging wall.		**Description:** J&A loading stockpiling asphalt from grids B4 and C4.	
Photo No. 7	**Direction Photo Taken:** South	**Photo No.** 8	**Direction Photo Taken** Northeast
Description: Overview of excavated northwest portion of the site.		**Description:** Stockpile at grid D2 covered at end of day.	

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 4, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

PID 1: 0.0
PID 2: 0.0

Data Ram 1: 20.63
Data Ram 2: 18.90

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

101 E 150th St
Interim Remedial Measure
Air Monitoring Logs
August 4, 2023

CAMP 1780 Upwind CAMP Station			CAMP 1467 Downwind CAMP Station		
Time	Dust - 15 min Average (ug/m3)	VOCs - 15 min Average (ppm)	Time	Dust - 15 min Average (ug/m3)	VOCs - 15 min Average (ppm)
6:45 AM †	20.628	0.00	6:30 AM †	18.903	0.00
7:00 AM	18.541	0.00	6:45 AM	18.233	0.00
7:15 AM	19.065	0.00	7:00 AM	19.249	0.00
7:30 AM	19.663	0.00	7:15 AM	19.194	0.00
7:45 AM	19.131	0.00	7:30 AM	18.474	0.00
8:00 AM	19.749	0.00	7:45 AM	18.382	0.00
8:15 AM	20.248	0.00	8:00 AM	19.296	0.00
8:30 AM	21.459	0.00	8:15 AM	18.427	0.00
8:45 AM	23.841	0.03	8:30 AM	18.489	0.02
9:00 AM	23.431	0.00	8:45 AM	21.424	0.10
9:15 AM	20.420	0.00	9:00 AM	20.405	0.00
9:30 AM	20.708	0.00	9:15 AM	18.744	0.00
9:45 AM	20.685	0.00	9:30 AM	20.041	0.00
10:00 AM	22.100	0.00	9:45 AM	21.461	0.00
10:15 AM	23.257	0.00	10:00 AM	20.925	0.00
10:30 AM	22.058	0.00	10:15 AM	20.457	0.00
10:45 AM	20.494	0.03	10:30 AM	19.307	0.00
11:00 AM	21.519	0.00	10:45 AM	17.454	0.00
11:15 AM	21.506	0.00	11:00 AM	17.706	0.00
11:30 AM	23.167	0.00	11:15 AM	18.816	0.00
11:45 AM	22.001	0.00	11:30 AM	19.496	0.00
12:00 PM	20.982	0.00	11:45 AM	18.763	0.00
12:15 PM	20.207	0.00	12:00 PM	19.100	0.00
12:30 PM	21.883	0.00	12:15 PM	18.191	0.00
12:45 PM	22.402	0.00	12:30 PM	18.849	0.00
1:00 PM	21.788	0.00	12:45 PM	20.763	0.00
1:15 PM	23.390	0.00	1:00 PM	19.160	0.00
1:30 PM	24.061	0.00	1:15 PM	20.894	0.00
1:45 PM	25.326	0.00	1:30 PM	21.682	0.00
2:00 PM	24.192	0.00	1:45 PM	22.493	0.00
2:15 PM	23.753	0.00	2:00 PM	21.152	0.01
2:30 PM	23.839	0.00	2:15 PM	20.616	0.00
			2:30 PM	19.677	0.00

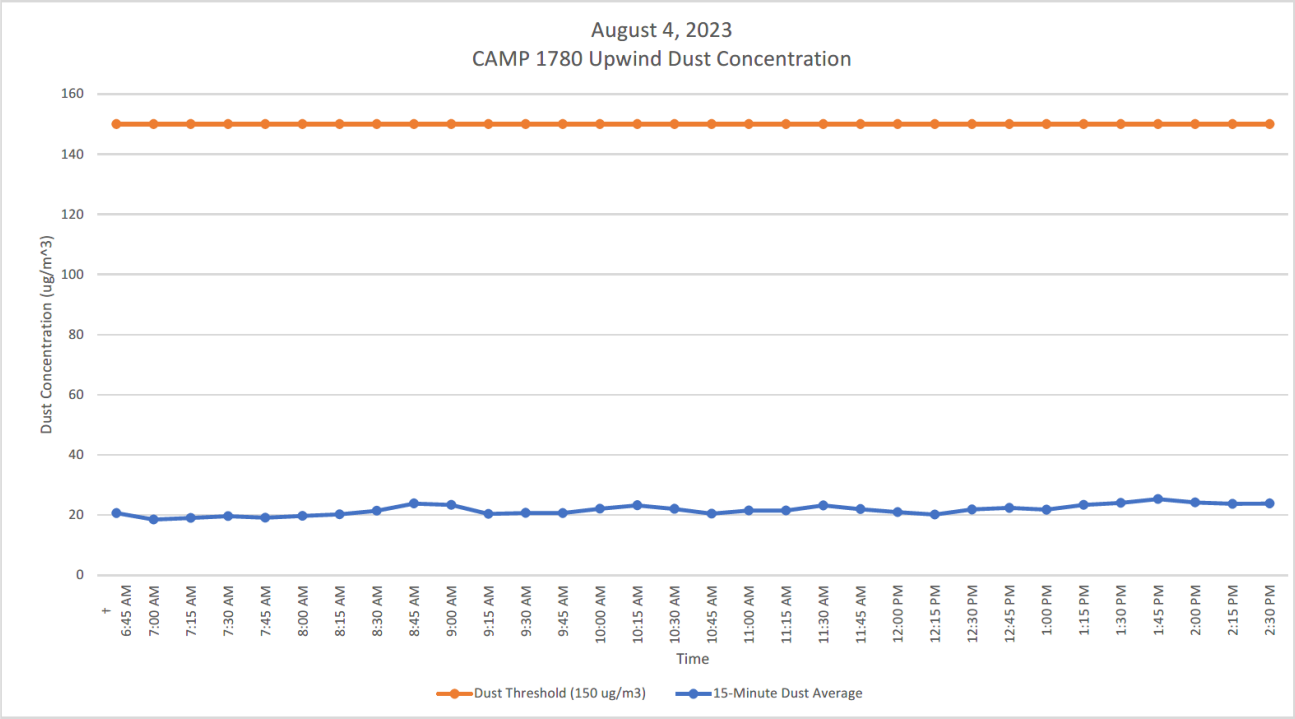
NOTE

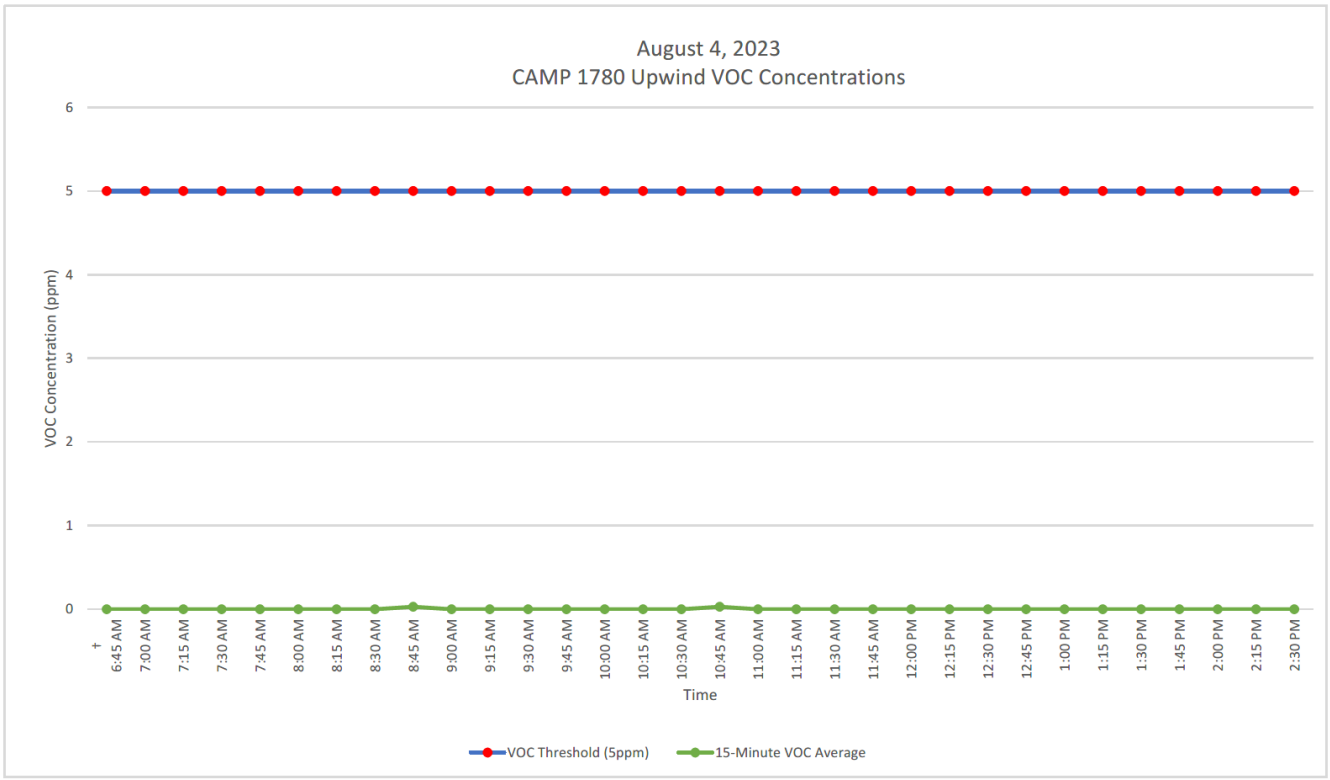
†: Not a 15-minute time weighted average.

GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023

FILE NO: 41.0163097.00

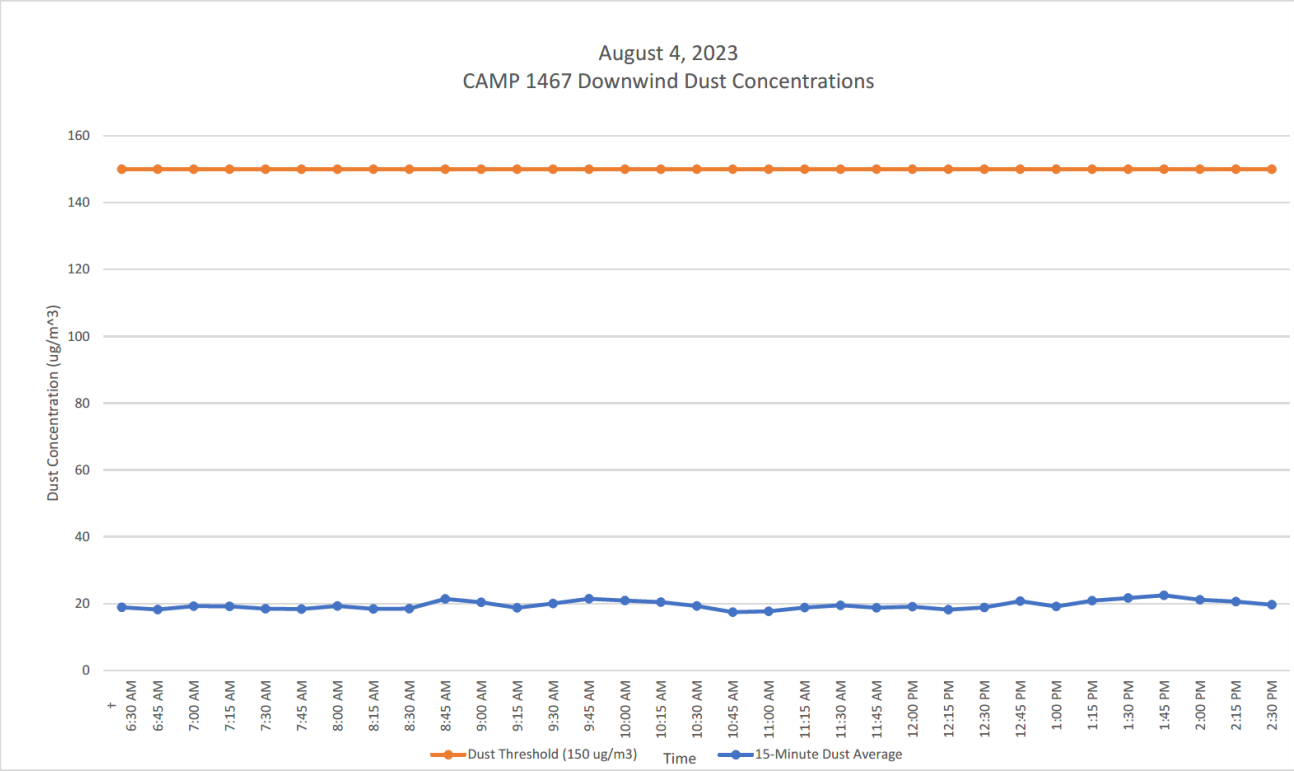


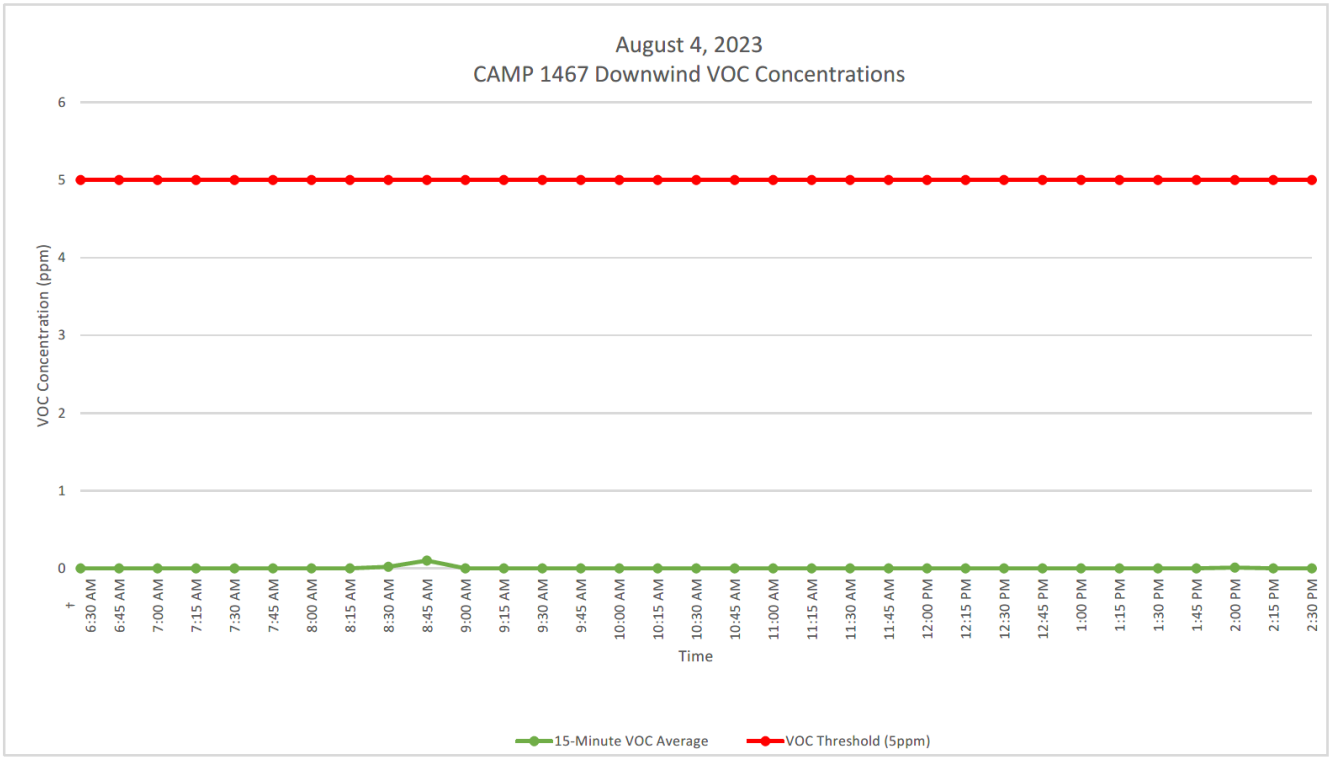


GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 10

DATE: 8/4/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	31	620	31	620
Previous	38	760	55	1,100	93	1,860
Total	**38**	**760**	**86**	**1,720**	**124**	**2,480**

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast / Rain
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	75.75°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	69.38°F
		MAX WIND SPEED	22 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.90 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, August 7, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 8/7/2023

Work Location (Attachment A): Grid A1, A2, A3, B1, B2, C1, D1, D2, D3, and D4.

1. J&A Concrete performed excavation of soil from grids D1 and D2 and stockpiling at grid C1/C2.
2. J&A Concrete performed excavation at grids D1, D2, D3, and D4 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
3. Soil Solutions started Pile driving in grids A1 and A2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.06 ppm, Particulates: 22.48 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 24.06 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No excavated materials were transported offsite during this monitoring period.

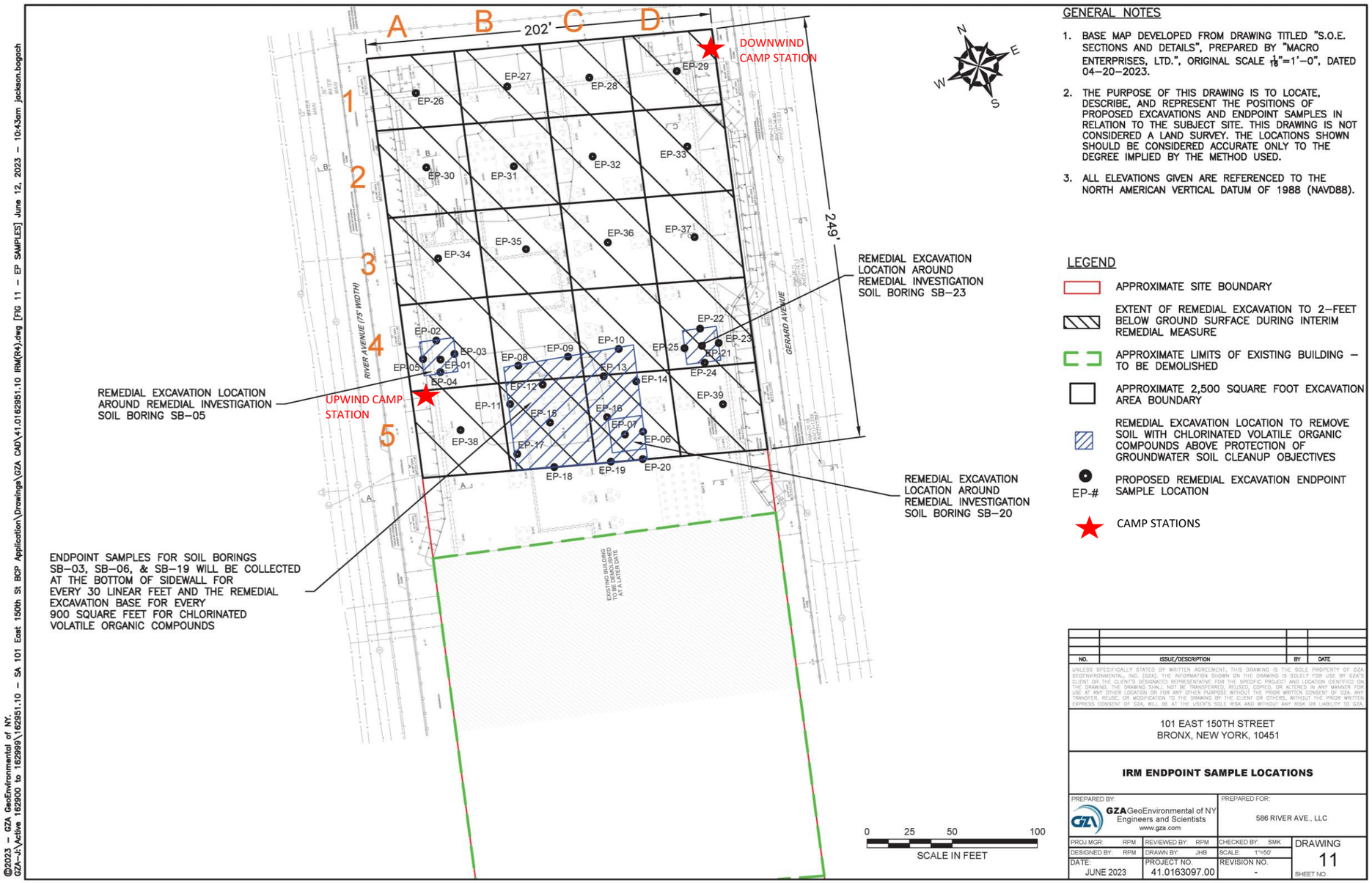
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. **1**	**Direction Photo Taken:** Southeast	**Photo No.** **2**	**Direction Photo Taken** Northeast
Description: J&A unloading piles that are being delivered to the Site.		**Description:** Soil Solutions performing pile driving in grids A1/A2.	
Photo No. **3**	**Direction Photo Taken:** East	**Photo No.** **4**	**Direction Photo Taken** North
Description: Minor excavation in grid D1 for shoring.		**Description:** stockpiling of soil in grid D1.	

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
5	Northwest	6	Northeast

Description: Soil Solutions performing pile driving throughout the day.

Description: Site at the end of the day being cleaned.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
7	South	8	Northeast

Description: Overview of the Site from the north overlooking piledriving area.

Description: Stockpile at grid D1 covered at end of day.

GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 7, 2023	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

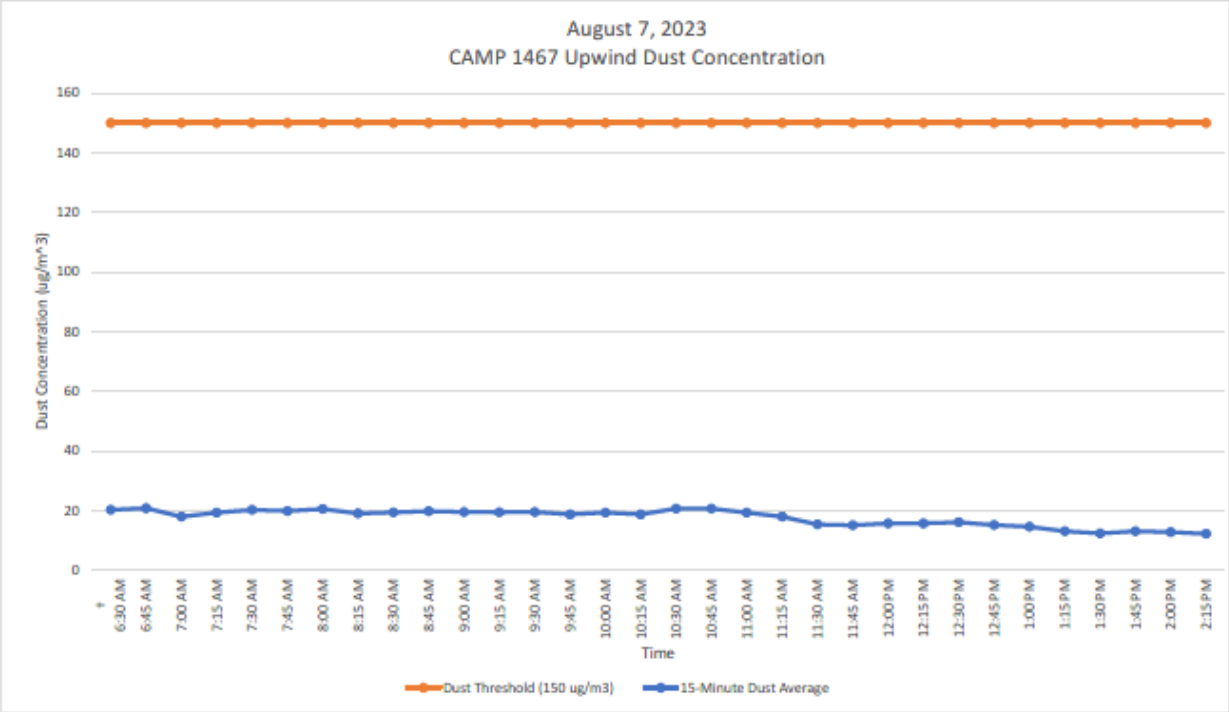
Background Readings:

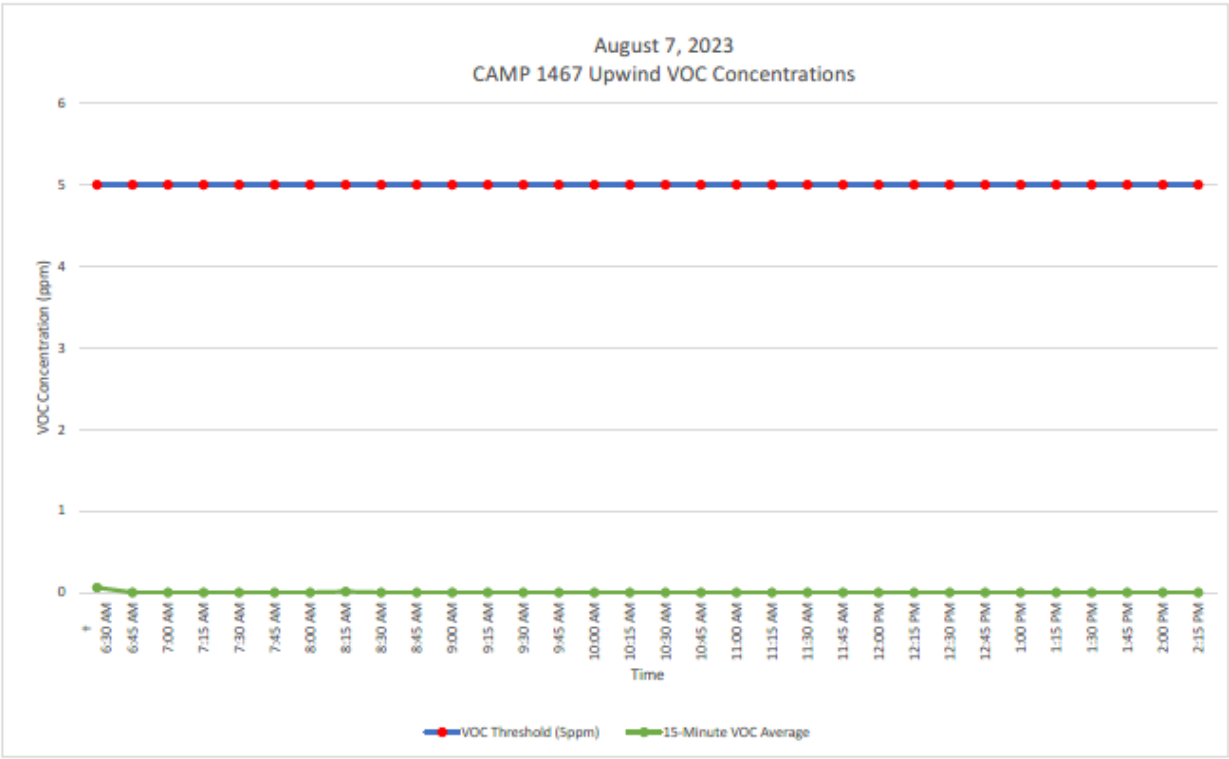
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 20.26
Data Ram 2: 22.48

GZA DAILY FIELD SUMMARY 11

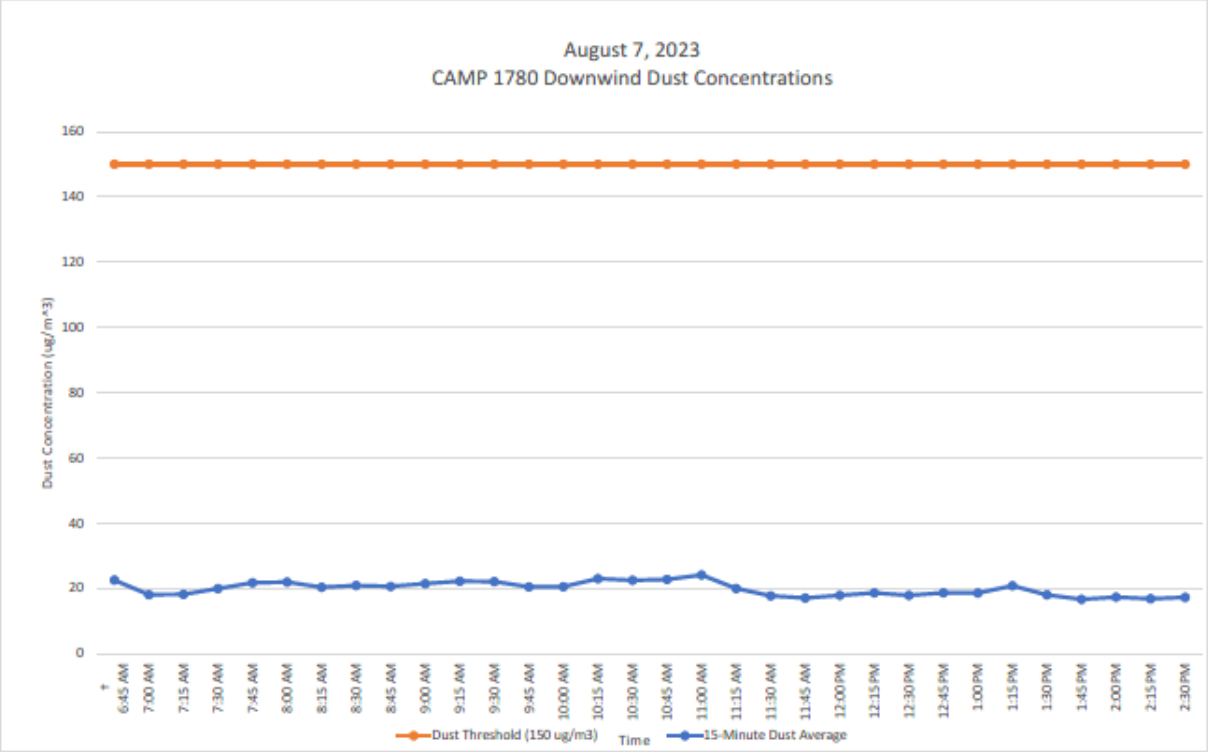
DATE: 8/7/2023
FILE NO: 41.0163097.00

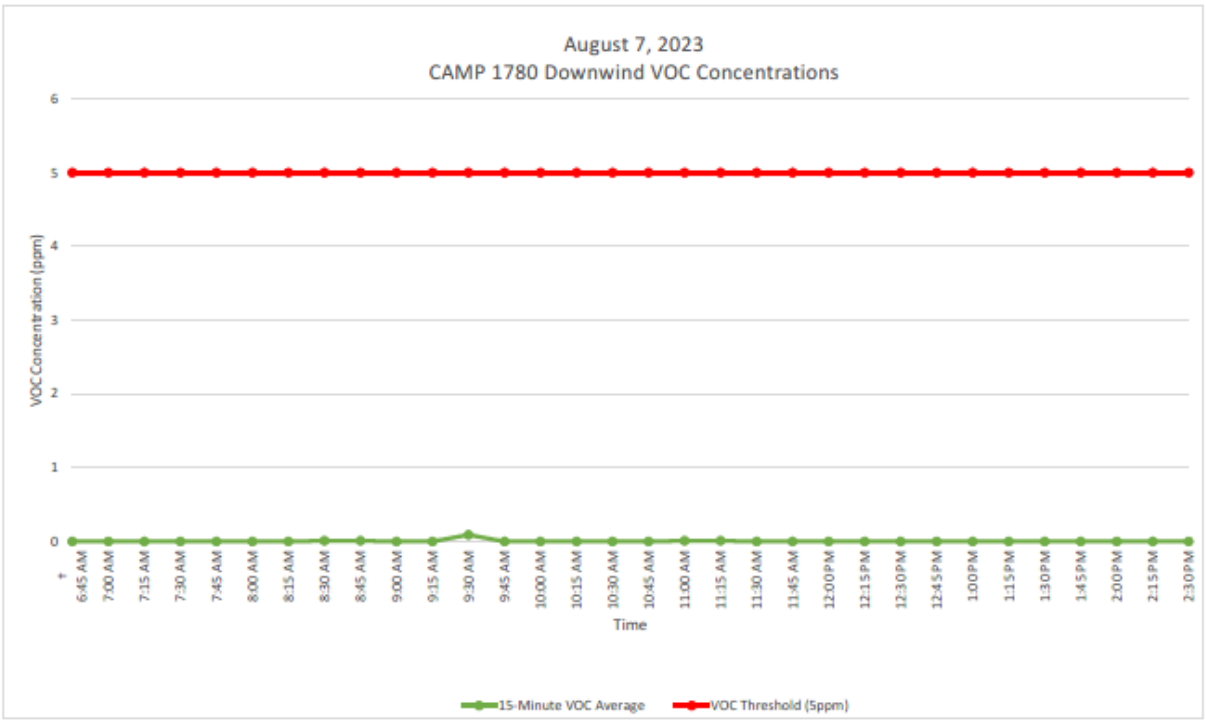




GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 11

DATE: 8/7/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	38	760	86	1,720	124	2,480
Total	**38**	**760**	**86**	**1,720**	**124**	**2,480**

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast / Rain
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	75.54°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	64.07°F
		MAX WIND SPEED	25 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.17 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, August 8, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 8/8/2023

Work Location (Attachment A): Grid A1, A2, B1, B2, C1, D1, D2, D3, D4, and D5.

1. J&A Concrete loaded 30 truckloads (600 CY) of soil stockpiled from grids C1, C2, D1, and D2 and transported to Clean Earth, Carteret NJ.
2. J&A Concrete performed excavation at grids D3, D4, and D5 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
3. Soil Solutions continued Pile driving in grids A1 and A2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.63 ug/m^3
High Conditions – PID: 2.37 ppm, Particulates: 11.57 ug/m^3

High PID reading was due to calibration of CAMPs.
Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No excavated materials were transported offsite during this monitoring period.

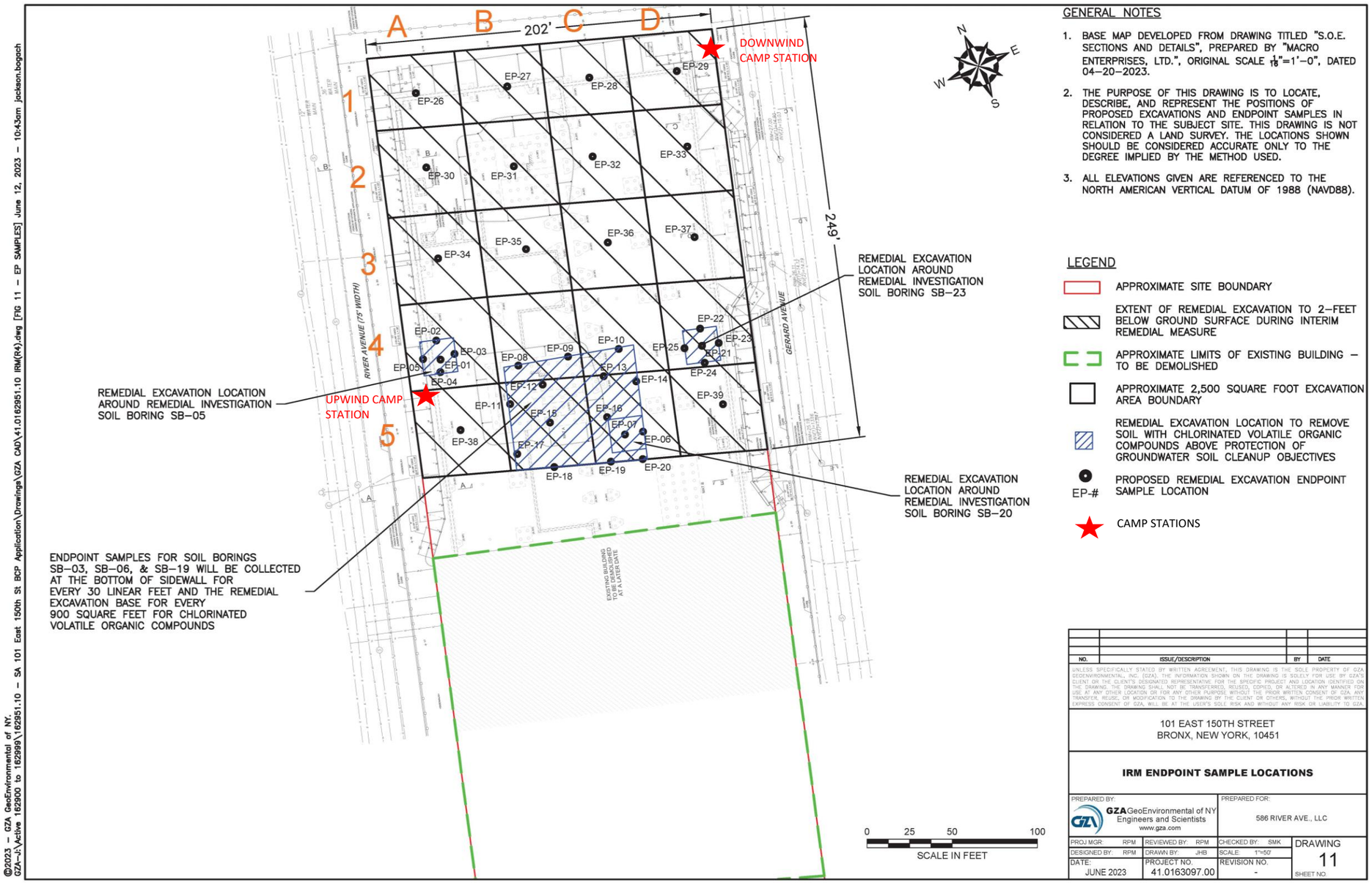
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southwest	**Photo No.** 2	**Direction Photo Taken** Northeast
Description: Site at the beginning of the day, stockpile being uncovered.		**Description:** J&A Concrete loading trucks with stockpiled soil from grids C1, C2, D1, and D2.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No.** 4	**Direction Photo Taken** North
Description: Soil Solutions performing pile driving in grids A1/A2.		**Description:** J&A Concrete cleaning tires of trucks before heading offsite.	

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

Photo No. 5	**Direction Photo Taken:** Northeast	**Photo No.** 6	**Direction Photo Taken** Southwest
Description: Continued soil load out throughout the day.		**Description:** Excavation continues. Downwind CAMP station shown in the foreground.	

Photo No. 7	**Direction Photo Taken:** Southeast	**Photo No.** 8	**Direction Photo Taken** Northeast
Description: Overview of the Site from the north overlooking piledriving area.		**Description:** Stockpile soils covered at end of day.	

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 8, 2023	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☒ YES ☐ NO
2 ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

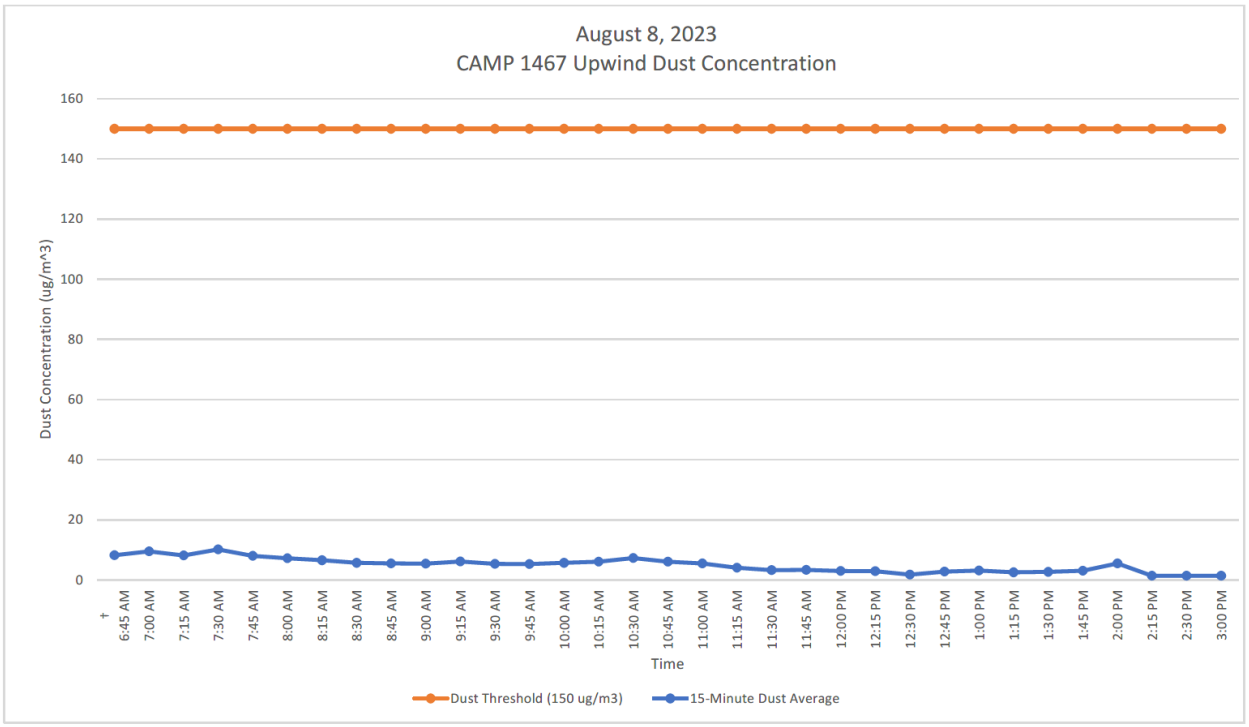
PID 1: 0.0
PID 2: 0.0

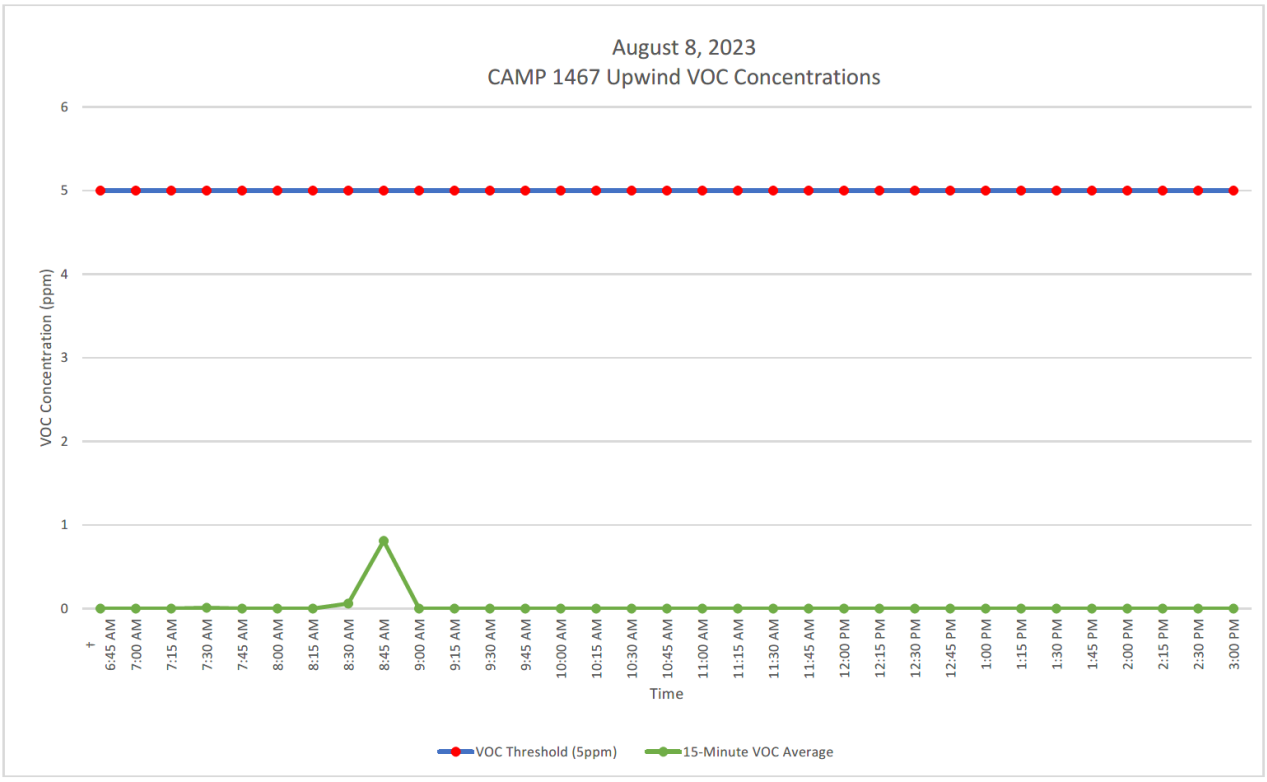
Data Ram 1: 8.26
Data Ram 2: 9.63

GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023

FILE NO: 41.0163097.00

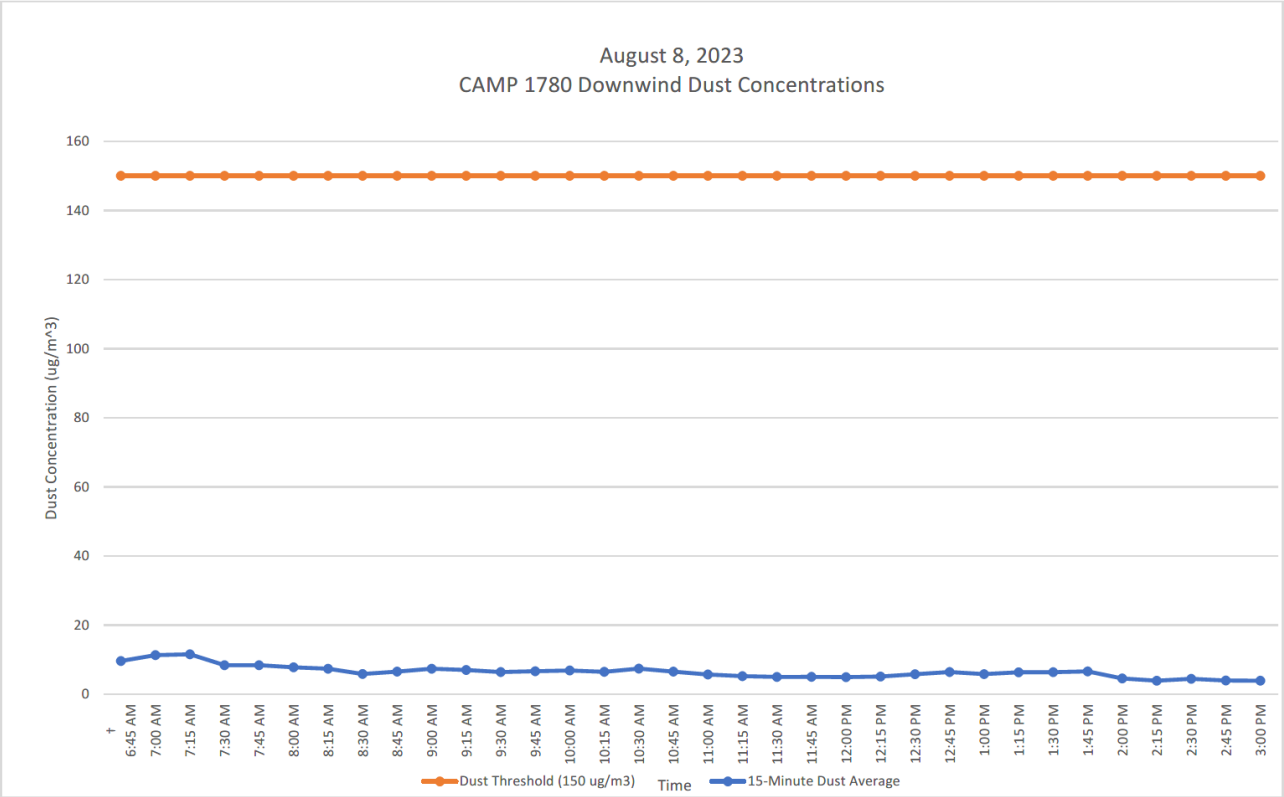


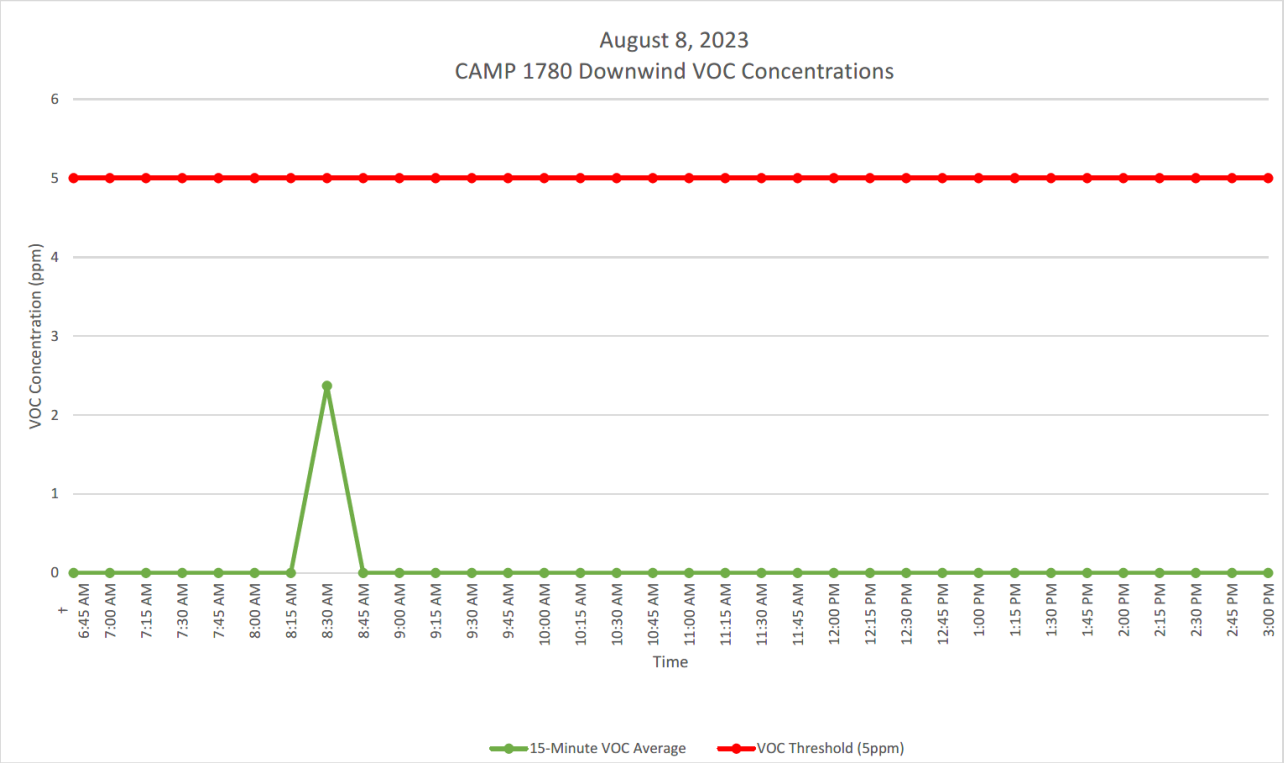


GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 12

DATE: 8/8/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	38	760	86	1,720	124	2,480
Total	**38**	**760**	**116**	**2,320**	**154**	**3,080**

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Sunny
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	78.59°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	56.27°F
		MAX WIND SPEED	20 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, August 9, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 8/9/2023

Work Location (Attachment A): Grid A1, A2, A3, B1, B2, C1, C2, D1, D2, D3, D4, and D5.

1. J&A Concrete excavated at grids D1, D2, C1, and C2 and stockpiled in D1/D2 for soil export tomorrow.
2. J&A Concrete excavated at grids D3, D4, and D5 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
3. Soil Solutions continued Pile driving in grids A1, A2, A3.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 11.41 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 19.57 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No excavated materials were transported offsite during this monitoring period.

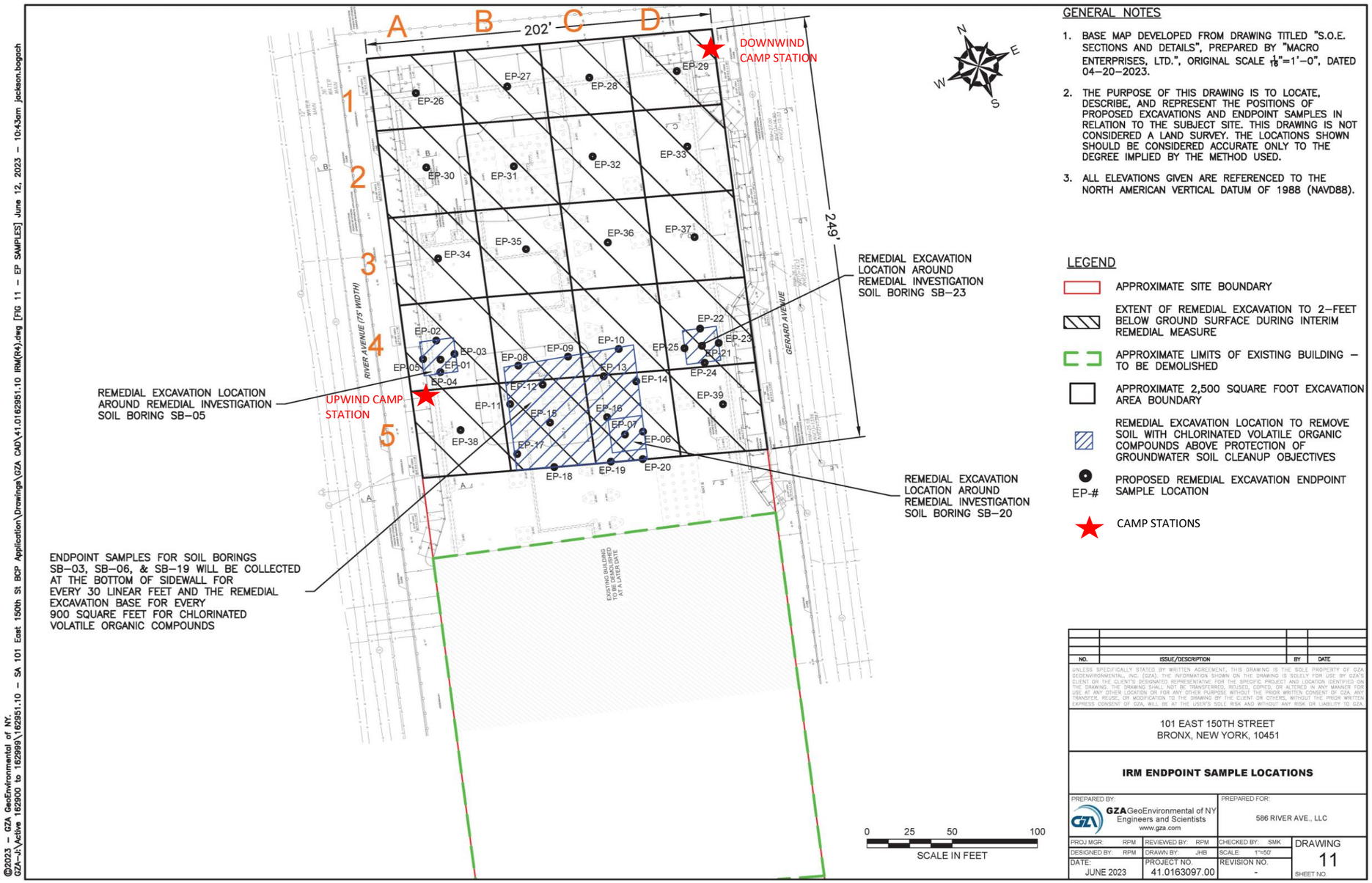
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

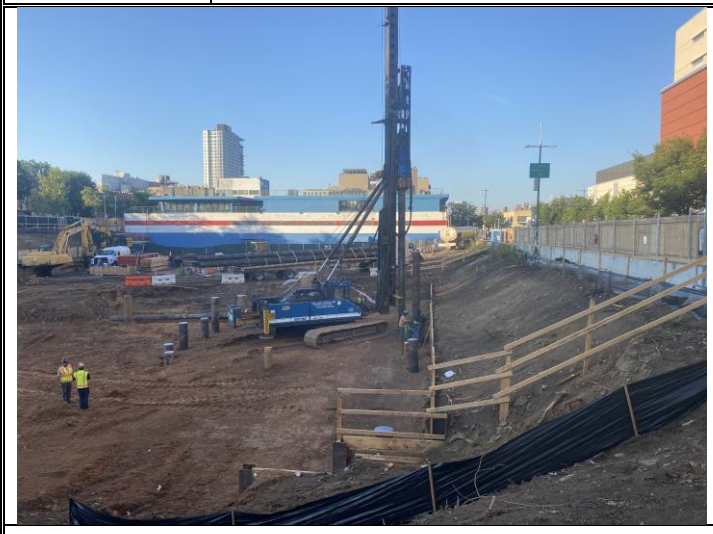
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Site at the beginning of the day.		**Description:** J&A Concrete excavating in grids C1, C2, D1, and D2, soil being stockpiled in Grid D1/D2.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No.** 4	**Direction Photo Taken** East
			
Description: Soil Solutions performing pile driving in grids A2/A3.		**Description:** Stockpiles being covered at the end of the day.	

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 9, 2023	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:
1 ☒ Data
2 ☒ Data

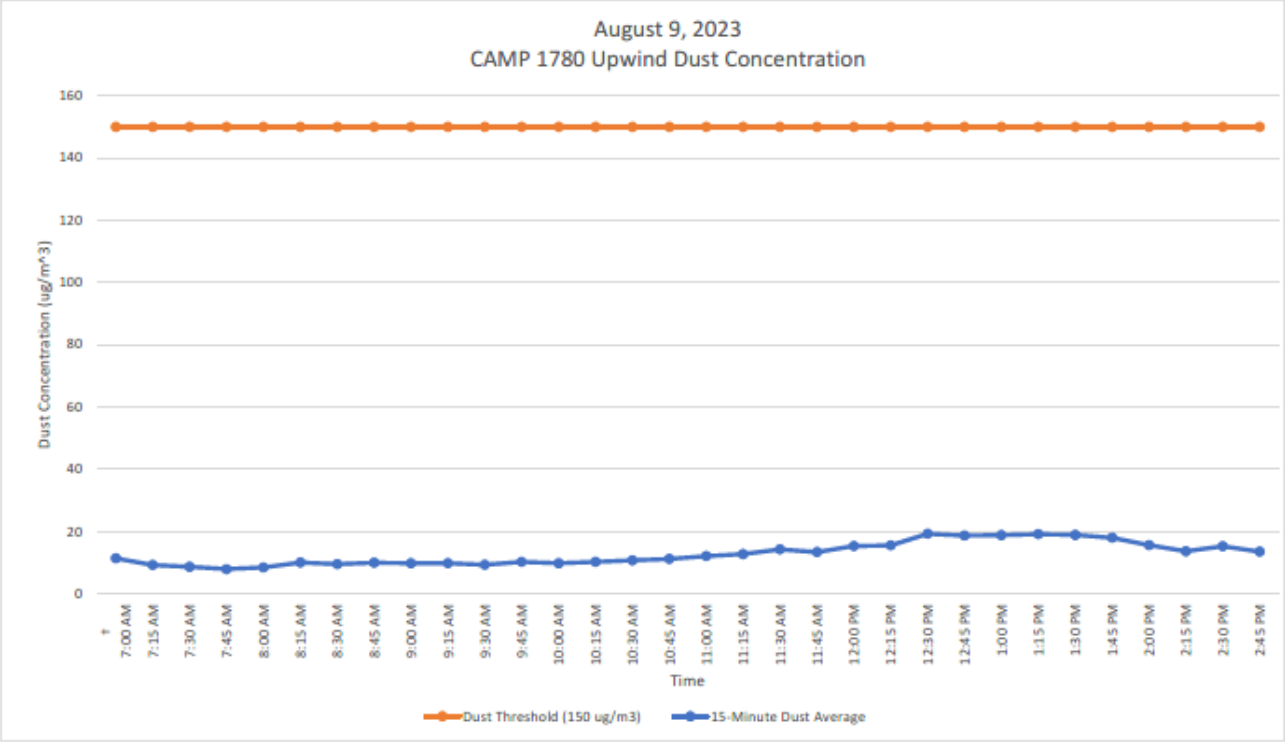
Weather Station: ☐ YES

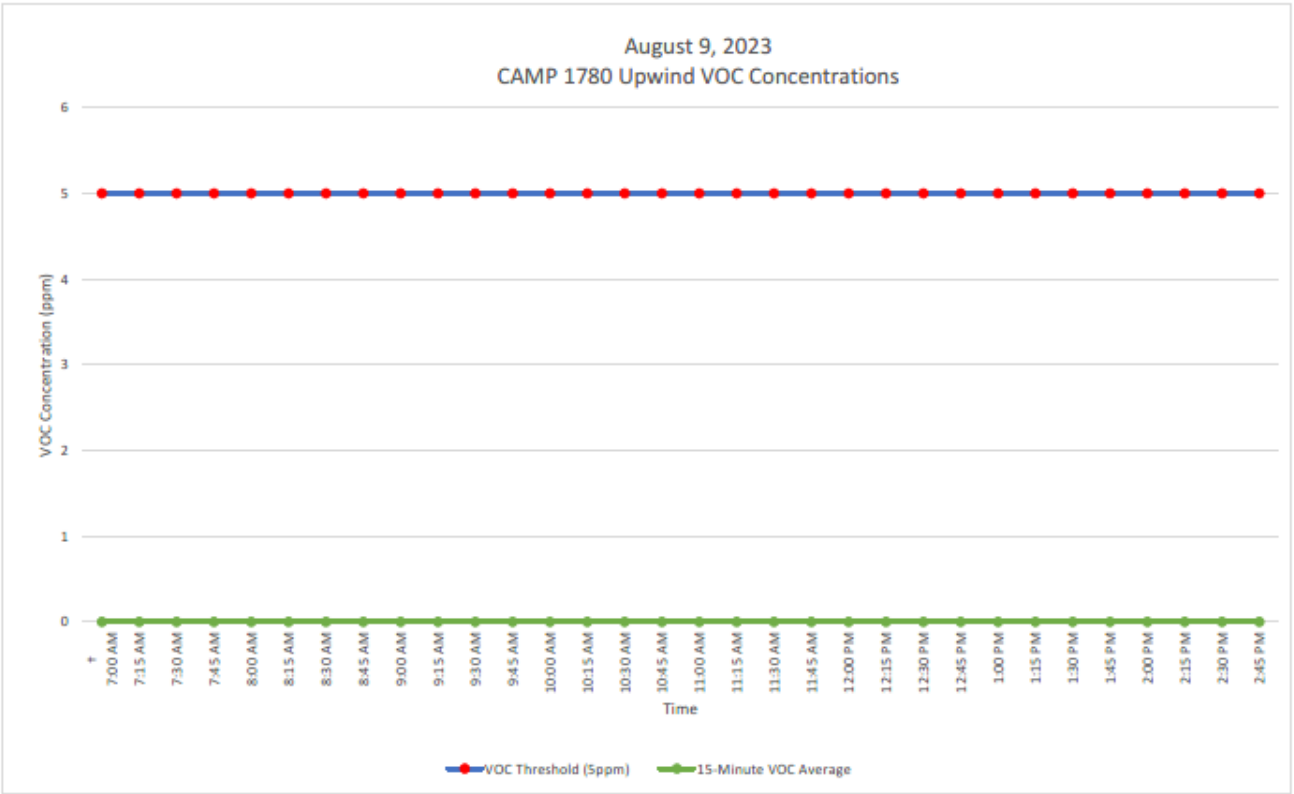
Background Readings:
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 7.09
Data Ram 2: 11.41

GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

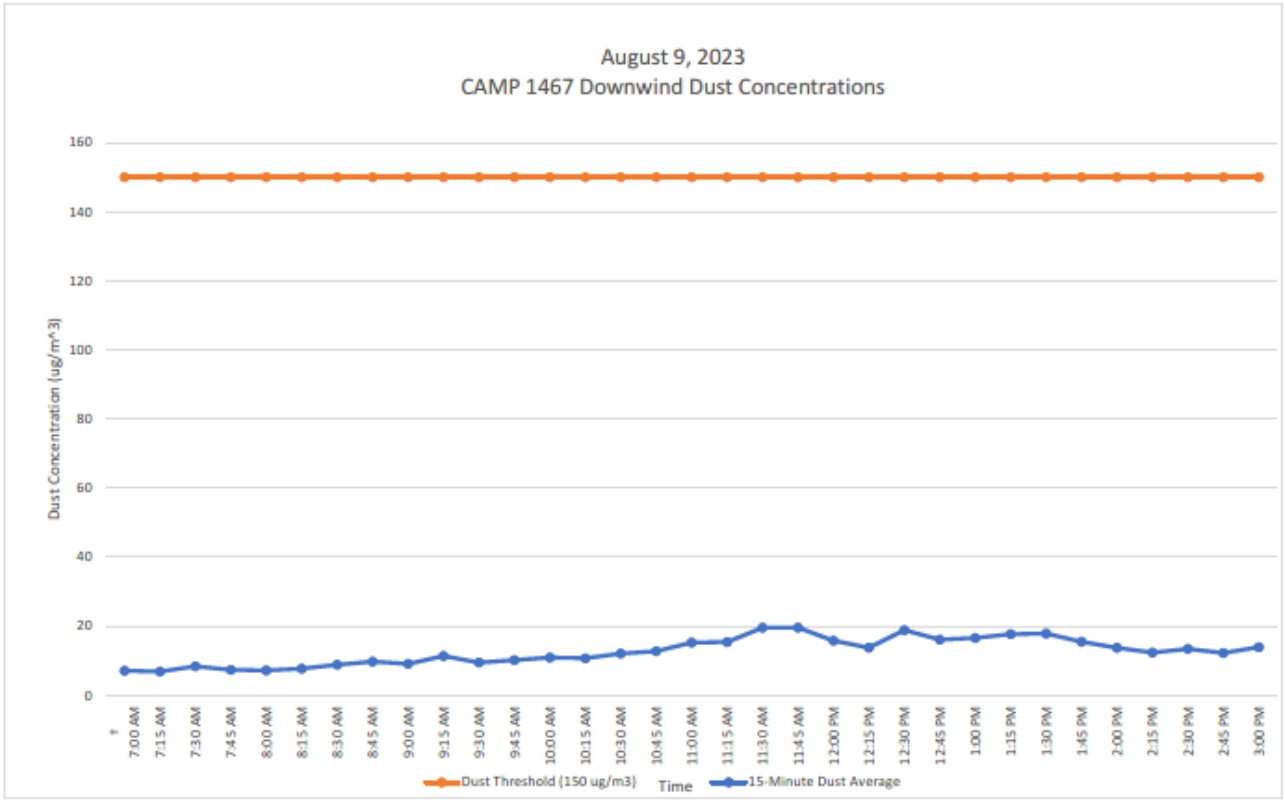


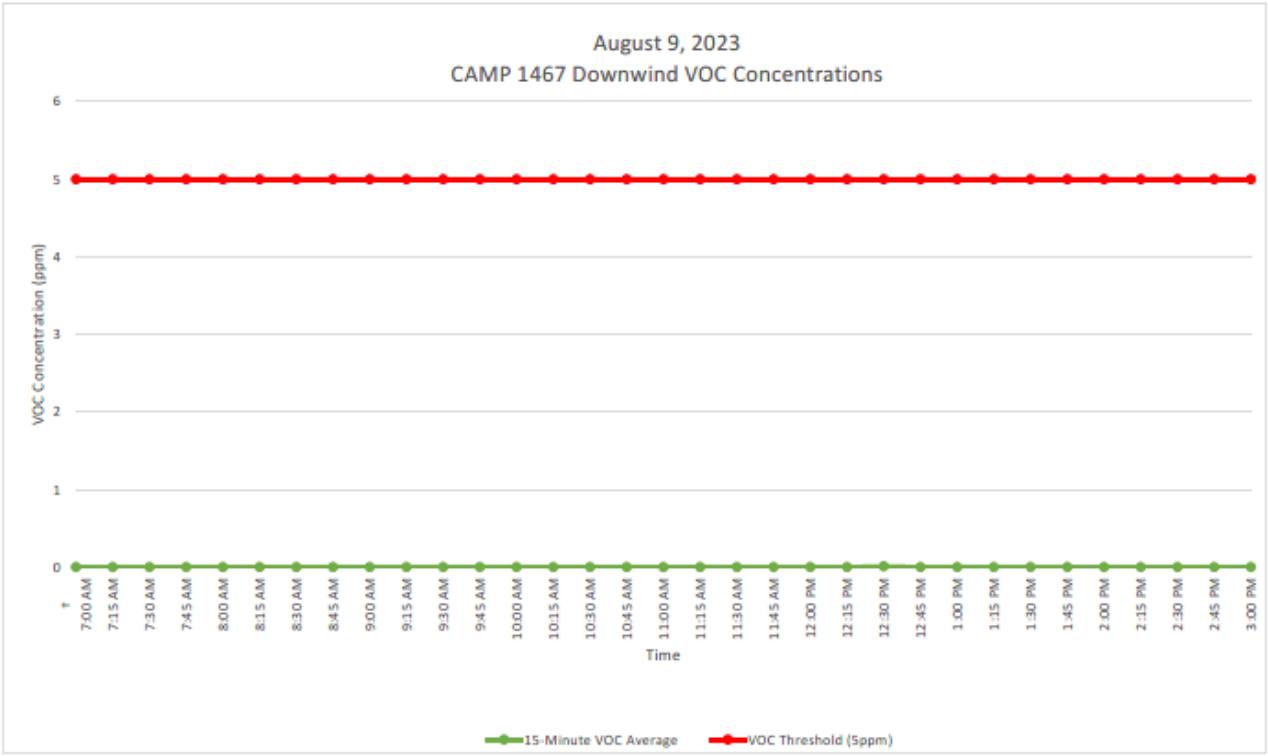


GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 13

DATE: 8/9/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	38	760	116	2,320	154	3,080
Total	**38**	**760**	**116**	**2,320**	**154**	**3,080**

GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast/Rain
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	74.08°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	66.15°F
		MAX WIND SPEED	14 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, August 10, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 8/10/2023

Work Location (Attachment A): Grid A1, A2, A3, A5, B1, B2, B5, C1, C2, C5, D1, D2, D3, D4, and D5.

1. J&A Concrete loaded 15 truckloads of soil to PPark from Grid C1 and D1 (3-6'), and 15 truckloads of soil to Clean Earth from Grids C1, C2, D1, and D2 (0-3')
2. J&A Concrete performed excavation at grids D3, D4, and D5 for installation of lagging wall. Excavated soils were stockpiled in each grid and covered at the end of the day.
3. Soil Solutions continued Pile driving in grids A1, A2, A3, A5, B5, and C5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 11.90 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 25.45 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 15 trucks of excavated materials were transported offsite to PPark,, Prospect Park, NJ and 15 trucks of excavated materials were transported offsite to Clean Earth, Carteret NJ during this monitoring period.

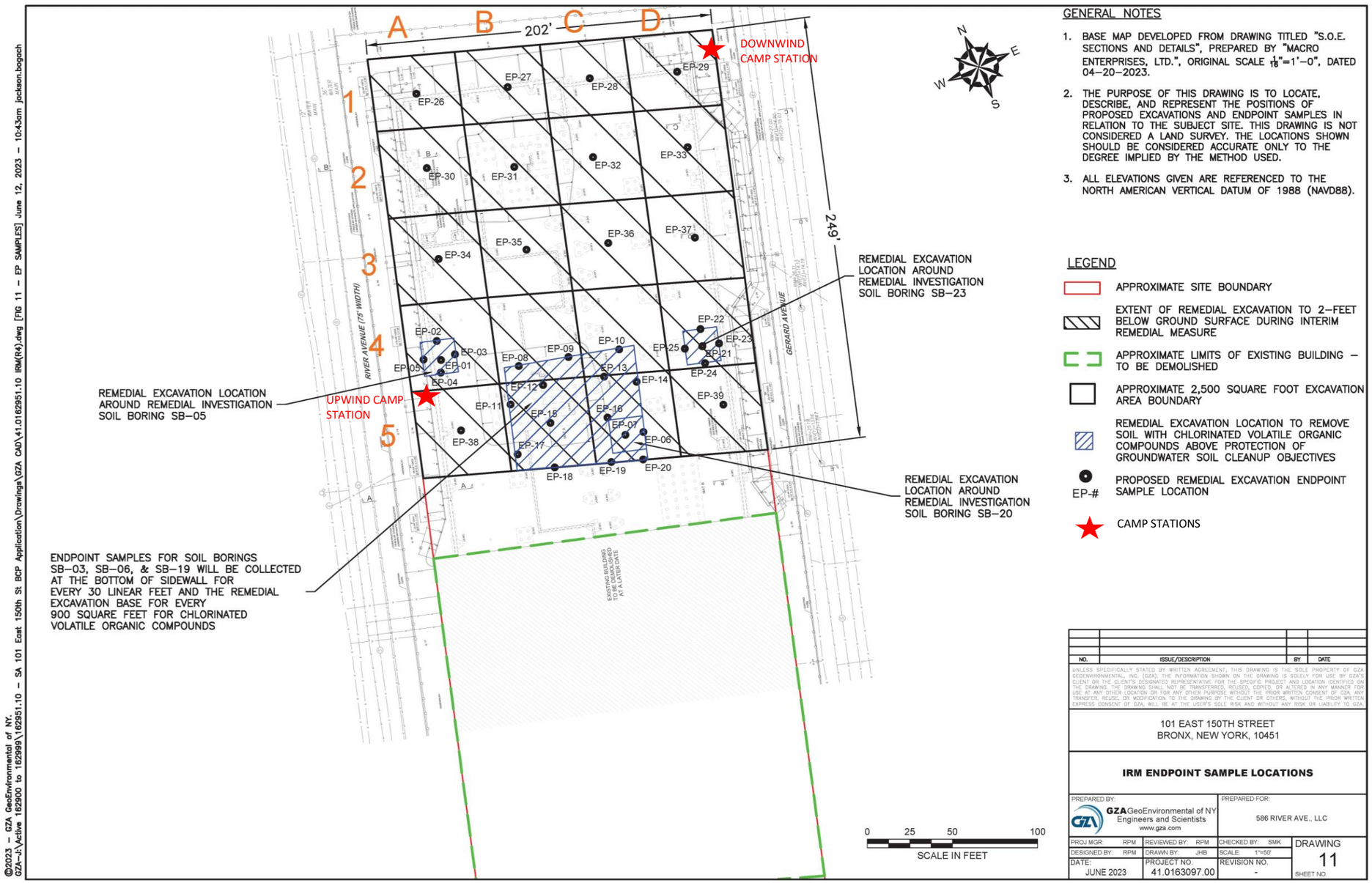
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK		DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'		SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -		

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Site at the beginning of the day.		**Description:** J&A Concrete loading up tucks with soil to be brought to either PPark or Clean Earth.	
Photo No. 3	**Direction Photo Taken:** North	**Photo No.** 4	**Direction Photo Taken** East
Description: J&A Concrete spraying down tires of trucks to reduce off site tracking of soils.		**Description:** Stockpiles being covered at the end of the day.	

GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 10, 202	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

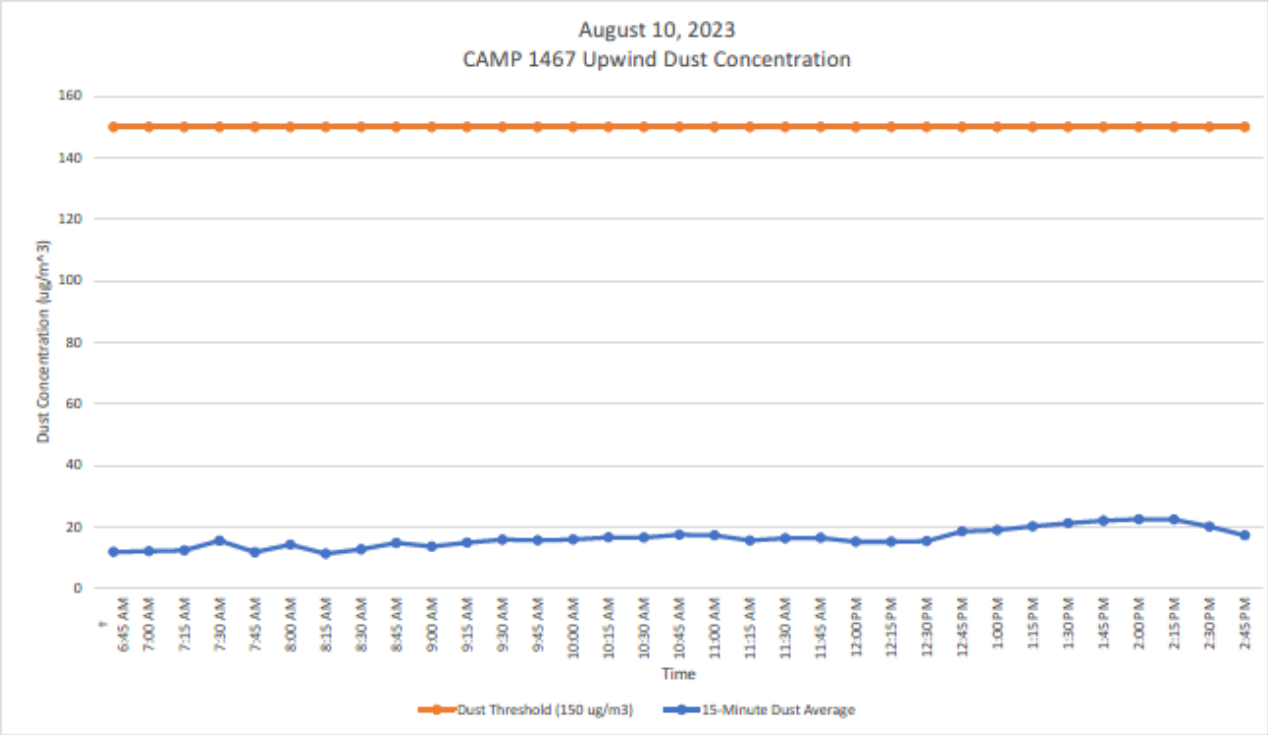
Background Readings:

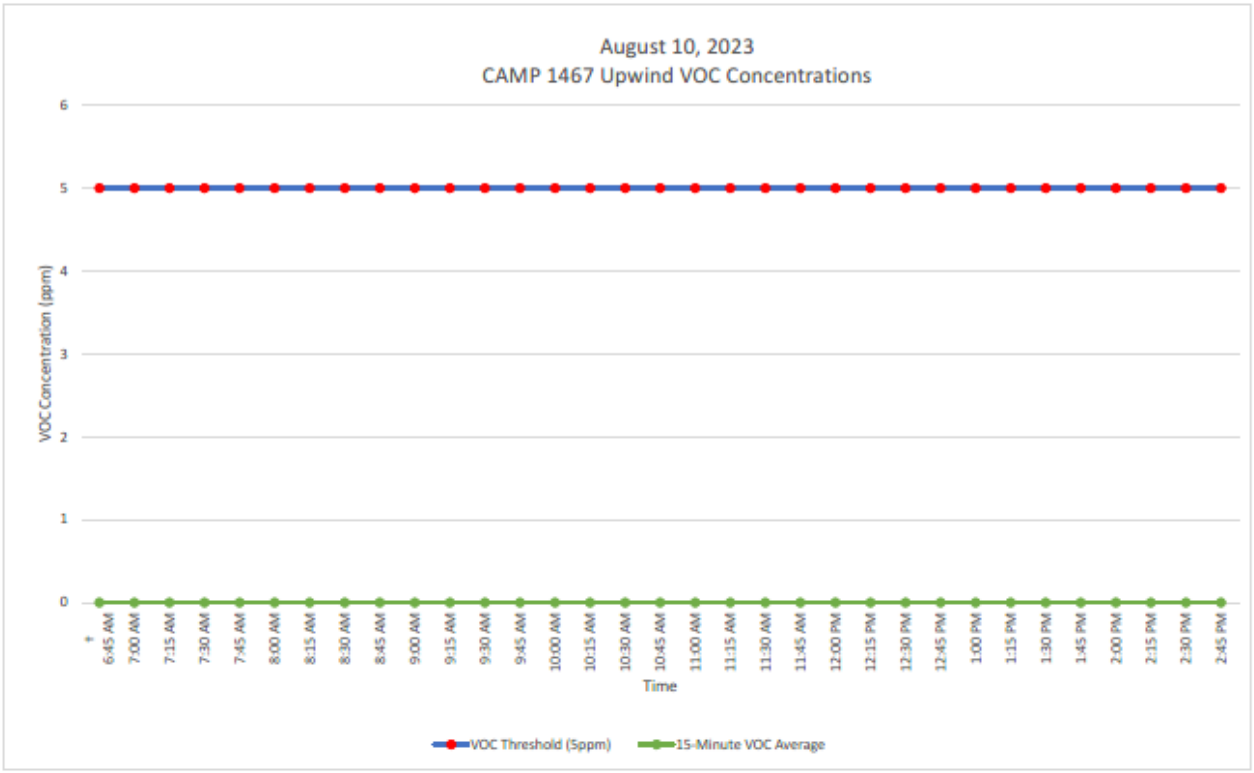
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 11.90
Data Ram 2: 10.90

GZA DAILY FIELD SUMMARY 14

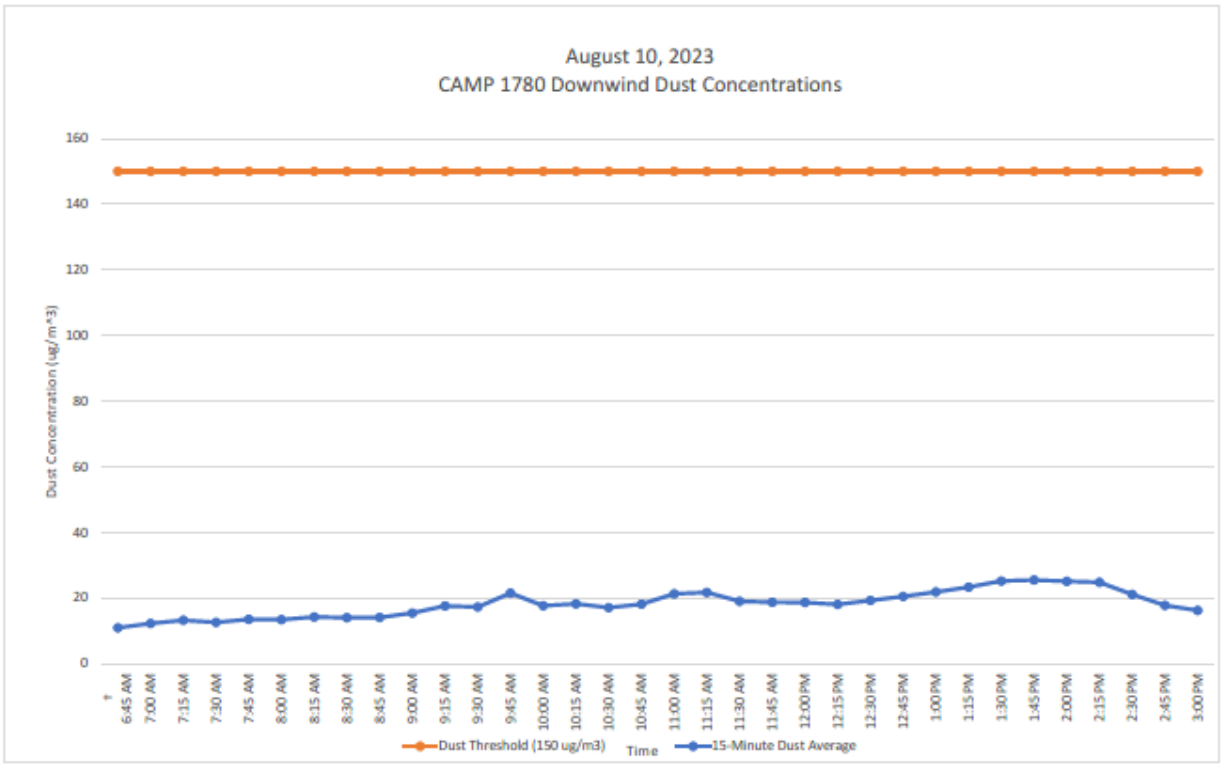
DATE: 8/10/2023
FILE NO: 41.0163097.00

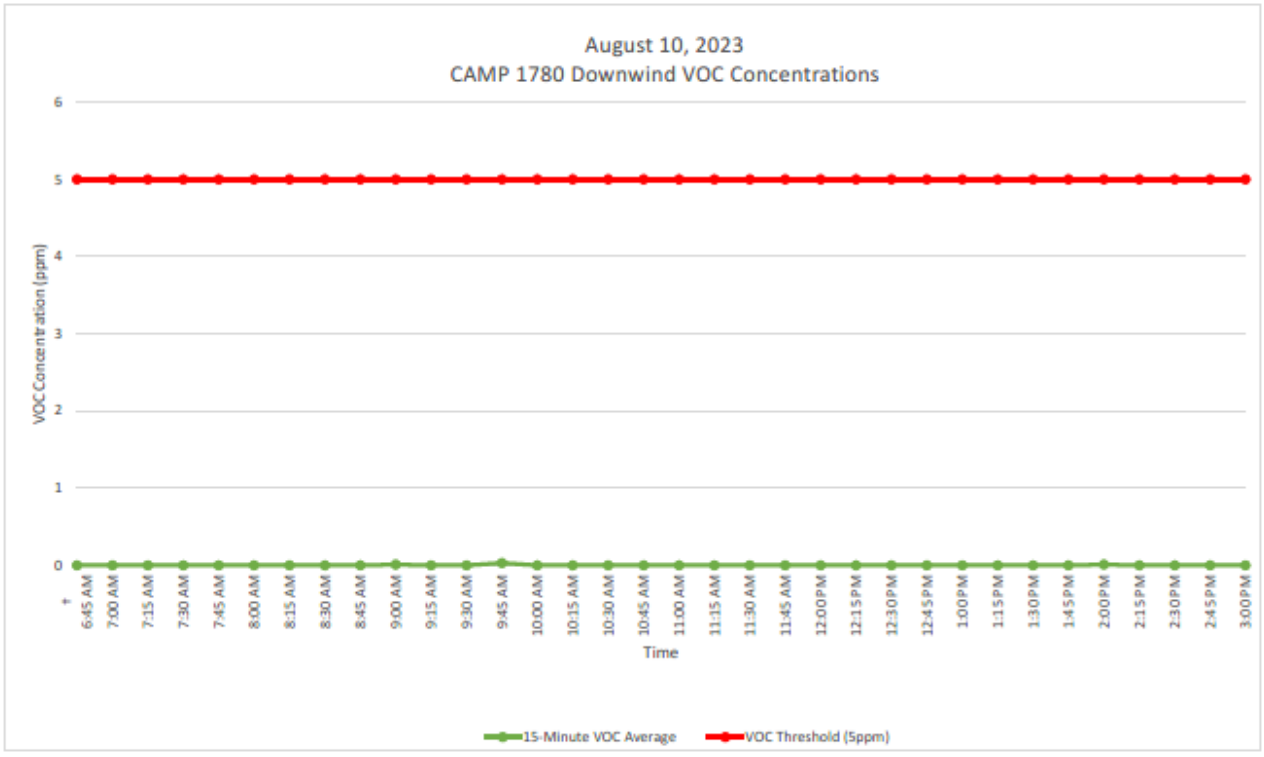




GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 14

DATE: 8/10/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	15	300	15	300	30	600
Previous	38	760	116	2,320	154	3,080
Total	**53**	**1060**	**131**	**2,620**	**184**	**3,680**

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Sunny
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	77.67°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	60.75°F
		MAX WIND SPEED	15 mph from WW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.49 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, August 11, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Independence Carting	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 8/11/2023

Work Location (Attachment A): Grid A1, A2, A3, A5, B1, B2, B3, B5, C1, C2, C5, D1, D2, D3, D4, and D5.

1. J&A Concrete loaded 30 truckloads of material to Clean Earth, Carteret from Grids A2, A3, B2, B3, C2, and D2 (0-6')
2. J&A Concrete performed excavation at grids D3, D4, and D5 for installation of lagging wall.
3. Soil Solutions continued Pile driving in grids C1, C2, and D1.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Caterpillar 326F Excavator (taken off site today)

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.06 ppm, Particulates: 16.76 ug/m^3
High Conditions – PID: 0.06 ppm, Particulates: 20.28 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 30 trucks of excavated materials were transported offsite to Clean Earth, Carteret, NJ during this monitoring period.

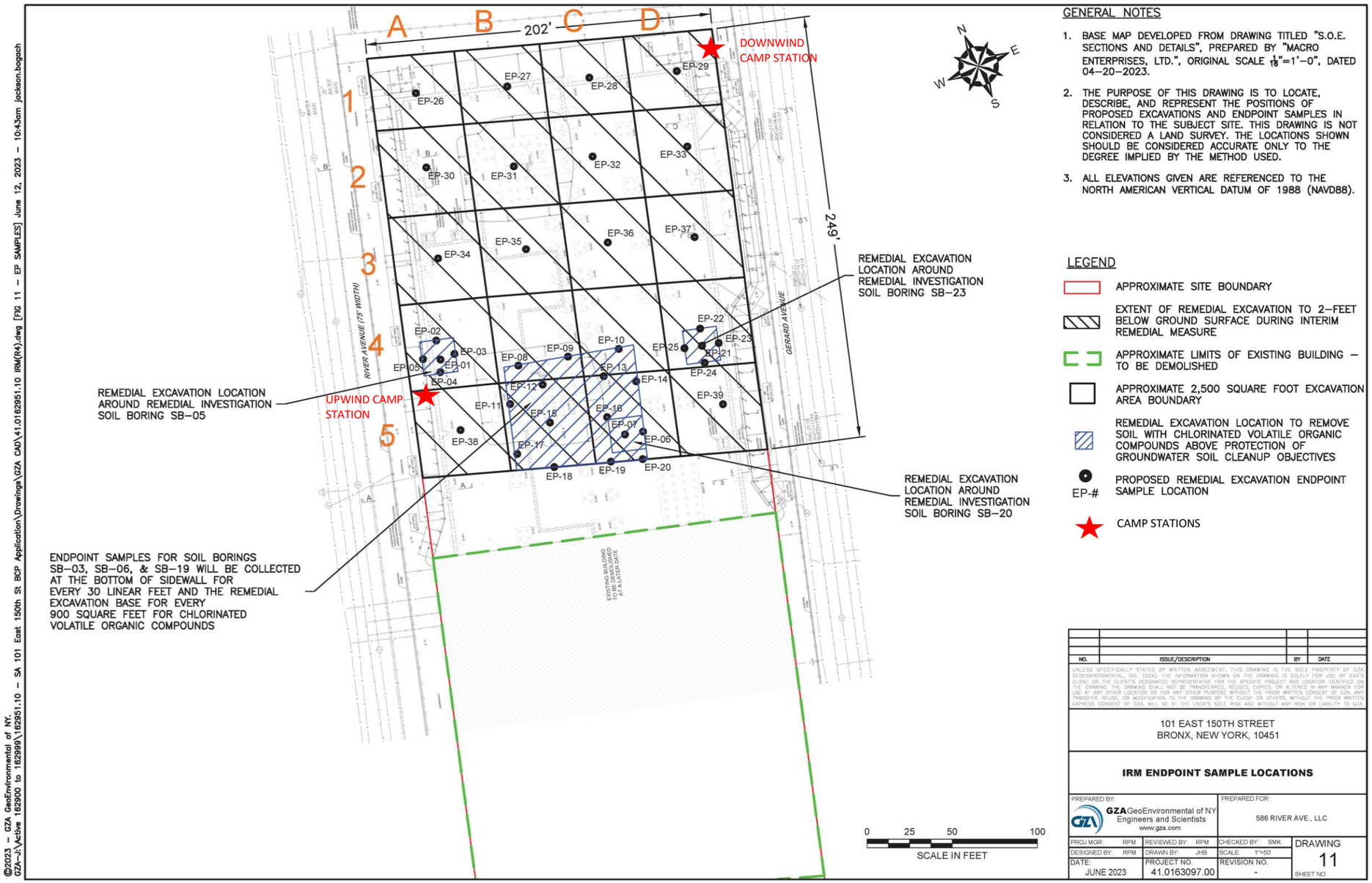
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** East
Description: Water being sprayed around the site to reduce dust levels.		**Description:** J&A Concrete loading up tucks with soil to be brought to Clean Earth.	
Photo No. 3	**Direction Photo Taken:** North	**Photo No.** 4	**Direction Photo Taken** East
Description: J&A Concrete spraying down tires of trucks to reduce off site tracking of soils.		**Description:** Site at the end of the day.	

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 11, 2023	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

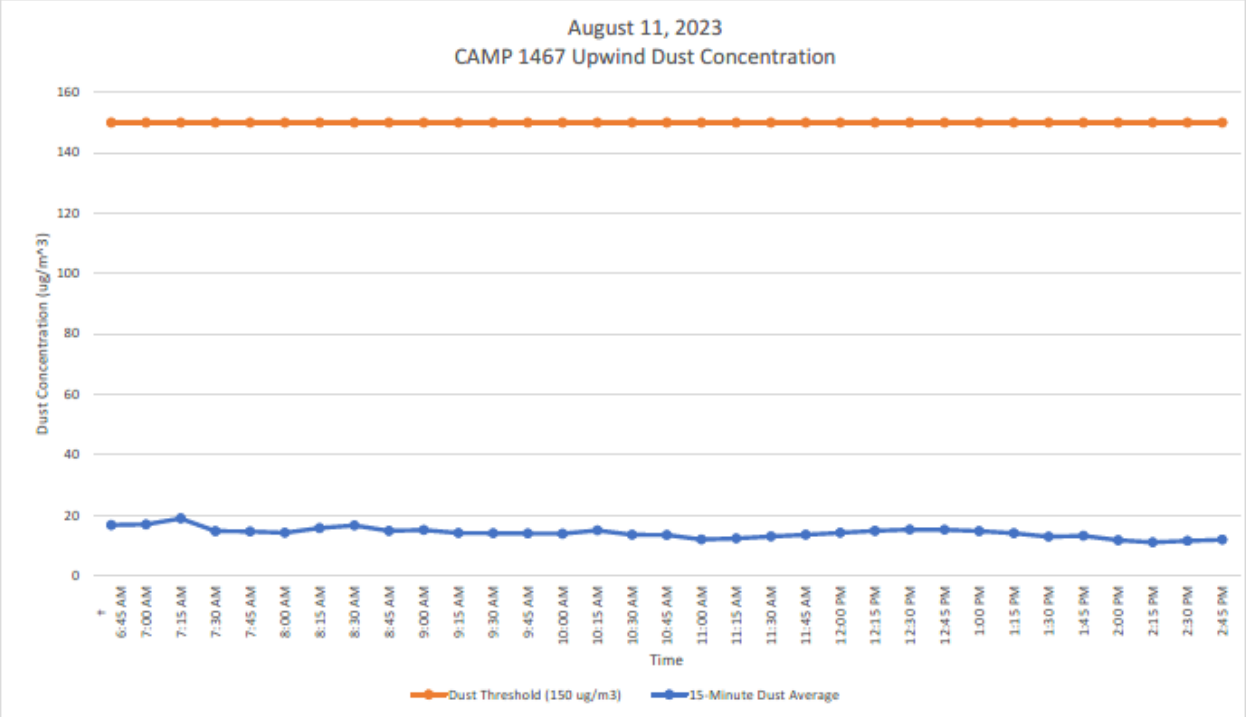
PID 1: 0.0
PID 2: 0.0

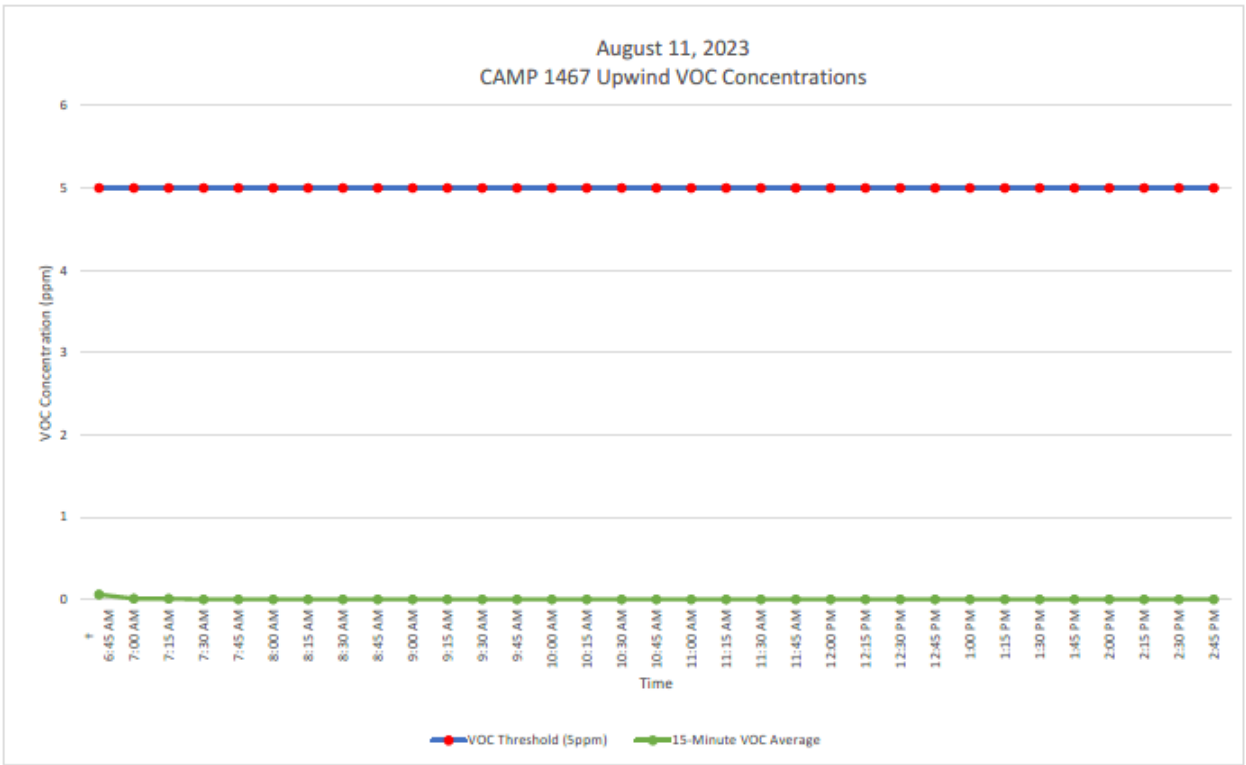
Data Ram 1: 16.76
Data Ram 2: 14.20

GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023

FILE NO: 41.0163097.00

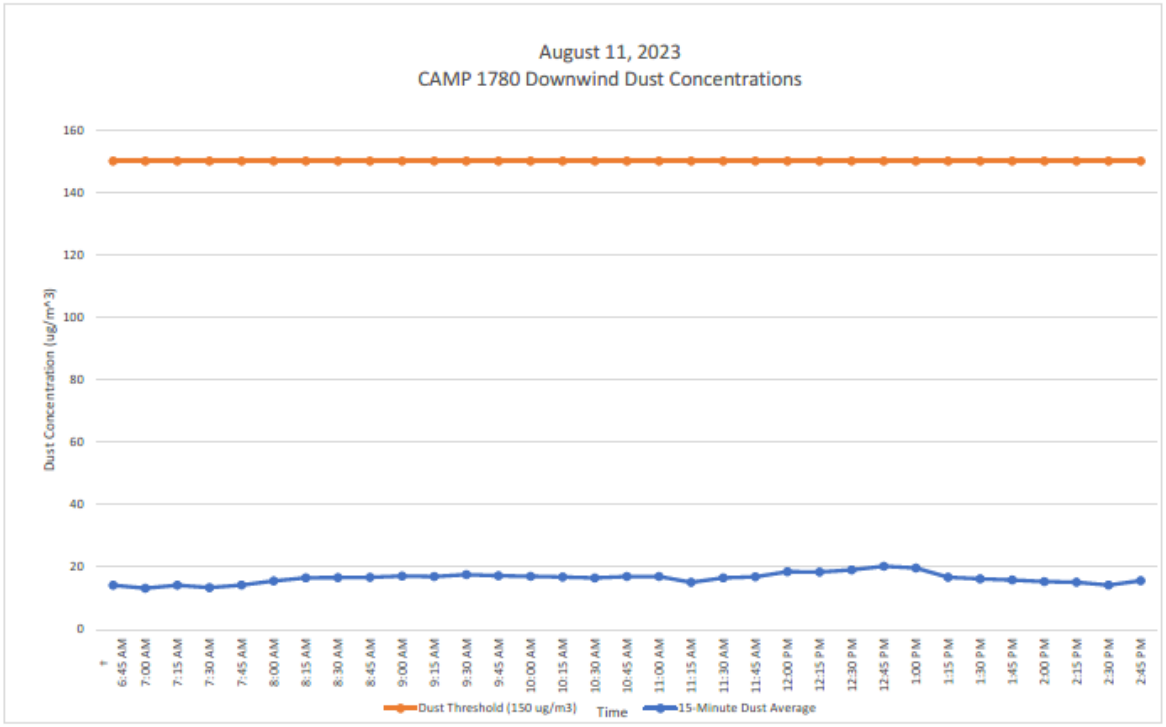


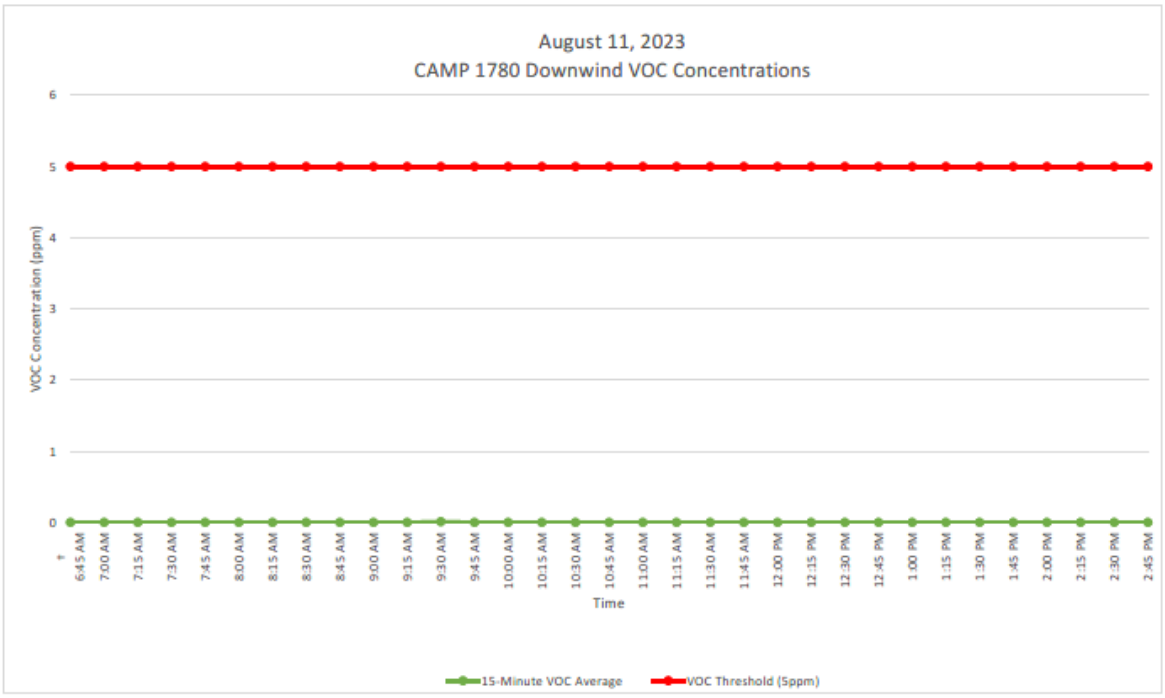


GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 15

DATE: 8/11/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	53	1060	131	2,620	184	3,680
Total	**53**	**1060**	**161**	**3,220**	**214**	**4,280**

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	78.64°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	61.07°F
		MAX WIND SPEED	7 mph from SSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, August 14, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	Macro Enterprises	
SITE VISITORS:	**Success Academy**	
	Richard Gladstone	

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 8/14/2023

Work Location (Attachment A): Grid A3, B2, B3, C1, C3, D2, D3, D4, and D5.

1. Soil Solutions continued Pile driving in grids A3, B2, B3, C1, and C3.
2. Macro Enterprises installed tiebacks in grids D2, D3, and D4.
3. J&A Concrete performed excavation at grids C3 and D1 for installation of piles. Excavated soils were stockpiled at grid D2.
4. J&A Concrete performed excavation along the eastern boundary of grids D4 and D5 for installation of tiebacks. Excavated soils were stockpiled along the western boundary of grids D4 and D5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 7.15 ug/m^3
High Conditions – PID: 2.99 ppm, Particulates: 10.19 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

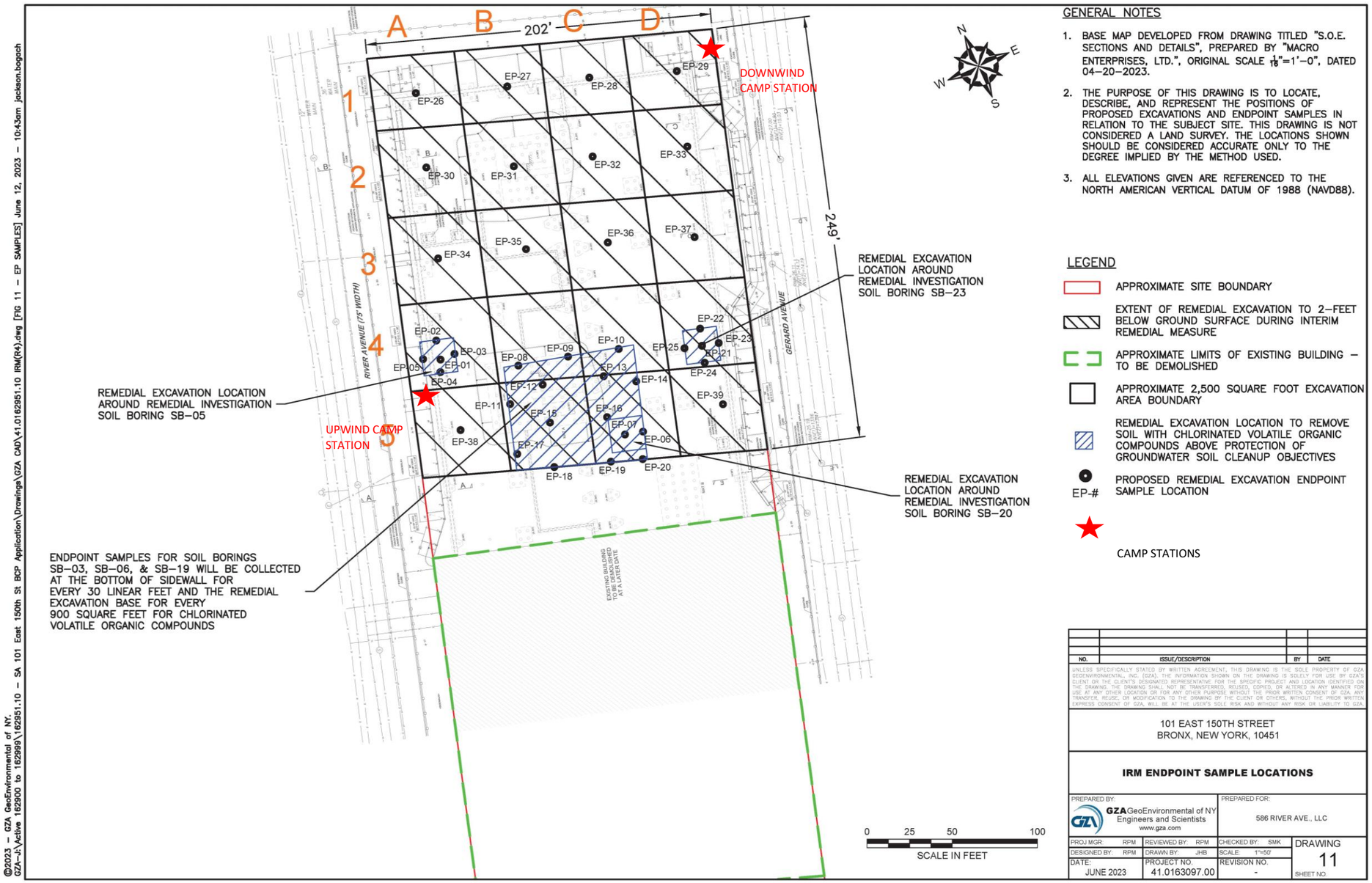
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

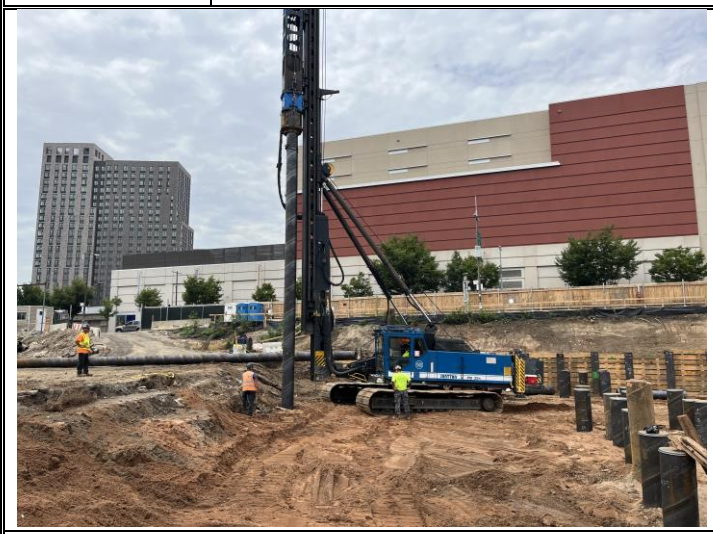
PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** West	**Photo No.** 2	**Direction Photo Taken** South
			
Description: Soil Solution driving pile at grid B-3.		**Description:** Downwind CAMP station at the northeast corner of the Site.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** East
Description: Installation of tiebacks at grid D-2.		**Description:** Stockpiles being covered at the end of the day.	

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 14, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 Air Logics CAMP Station (1780– Downwind) with remote telemetry system

Station 2 Air Logics CAMP Station (1467– Upwind) with remote telemetry system

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 10 ppm
1 ☒ YES ☐ NO
2 ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

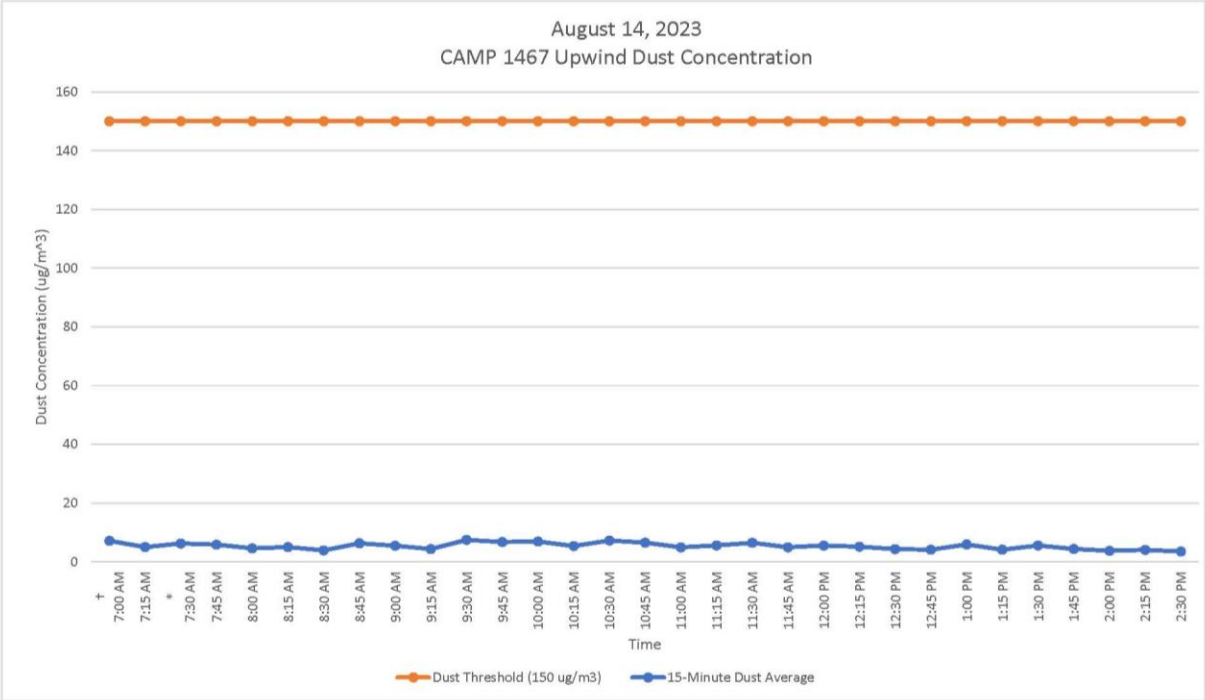
Background Readings:
PID 1: 0.0
PID 2: 0.0

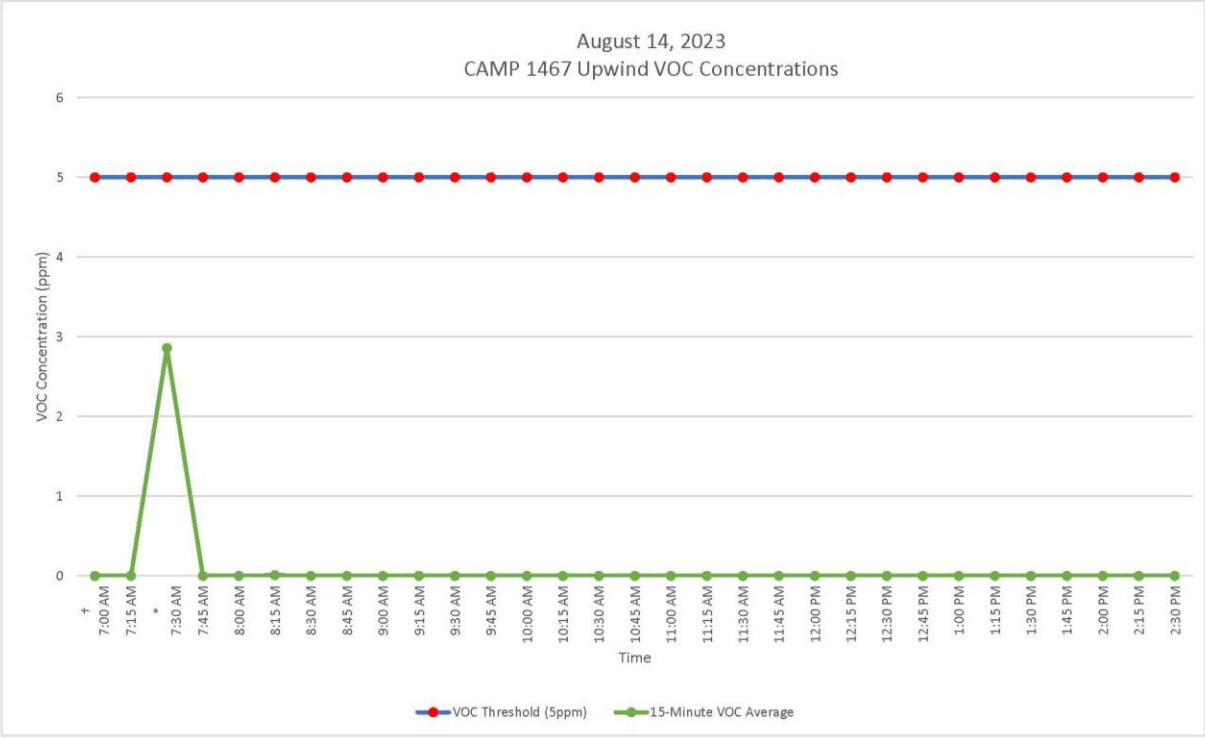
Data Ram 1: 4.64
Data Ram 2: 7.15

GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023

FILE NO: 41.0163097.00

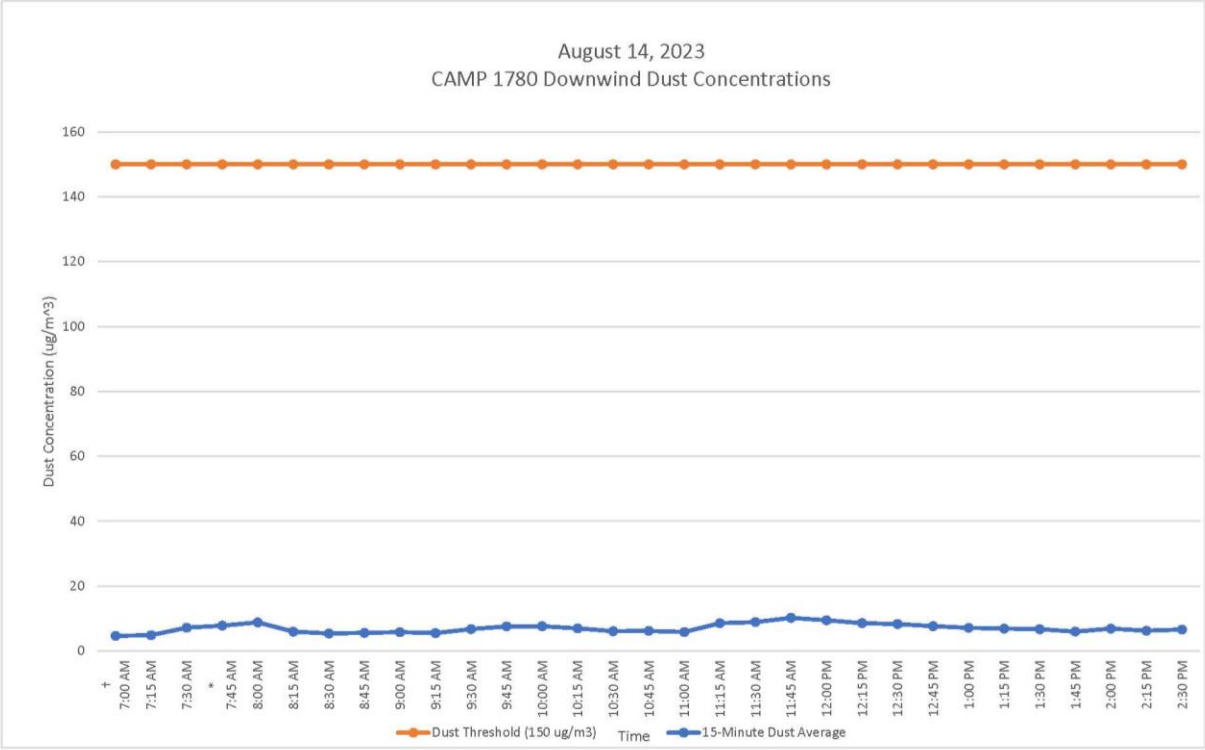


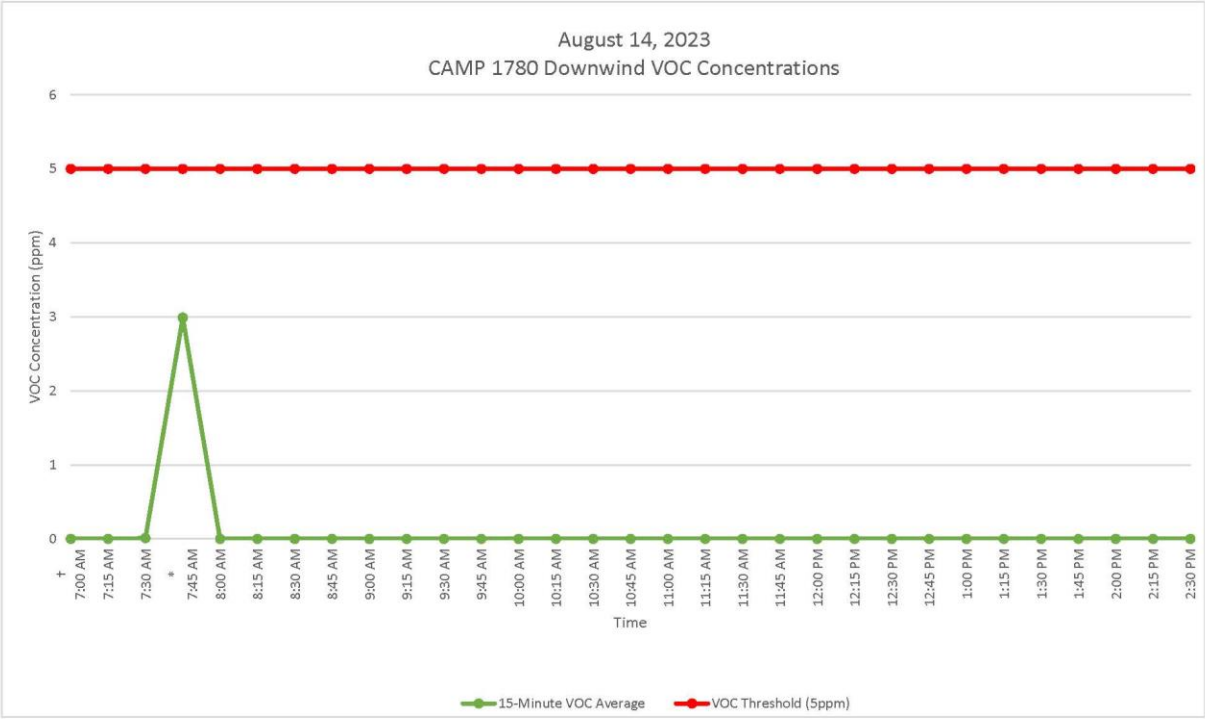


GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 16

DATE: 8/14/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	0	0	30	600	30	600
Total	**53**	**1060**	**161**	**3,220**	**214**	**4,280**

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	73.26°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	68.78°F
		MAX WIND SPEED	22 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	1.54 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, August 15, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	Macro Enterprises	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 8/15/2023

Work Location (Attachment A): Grid A3, B2, B3, B5, C2, C5, D1, and D5.

1. Soil Solutions continued Pile driving in grids A3, B2, B3, and C2.
2. Macro Enterprises installed tiebacks in grid D5.
3. J&A performed demolition of asphalt surface at grids B5 and C5.
4. Loadout of asphalts from grids B5 and C5. 3 truckloads of asphalt were transported to Faztec Industries in Staten Island, New York.
5. J&A Concrete performed excavation at grid D1 for installation of piles. Excavated soils were stockpiled at grid D2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.24 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 21.24 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

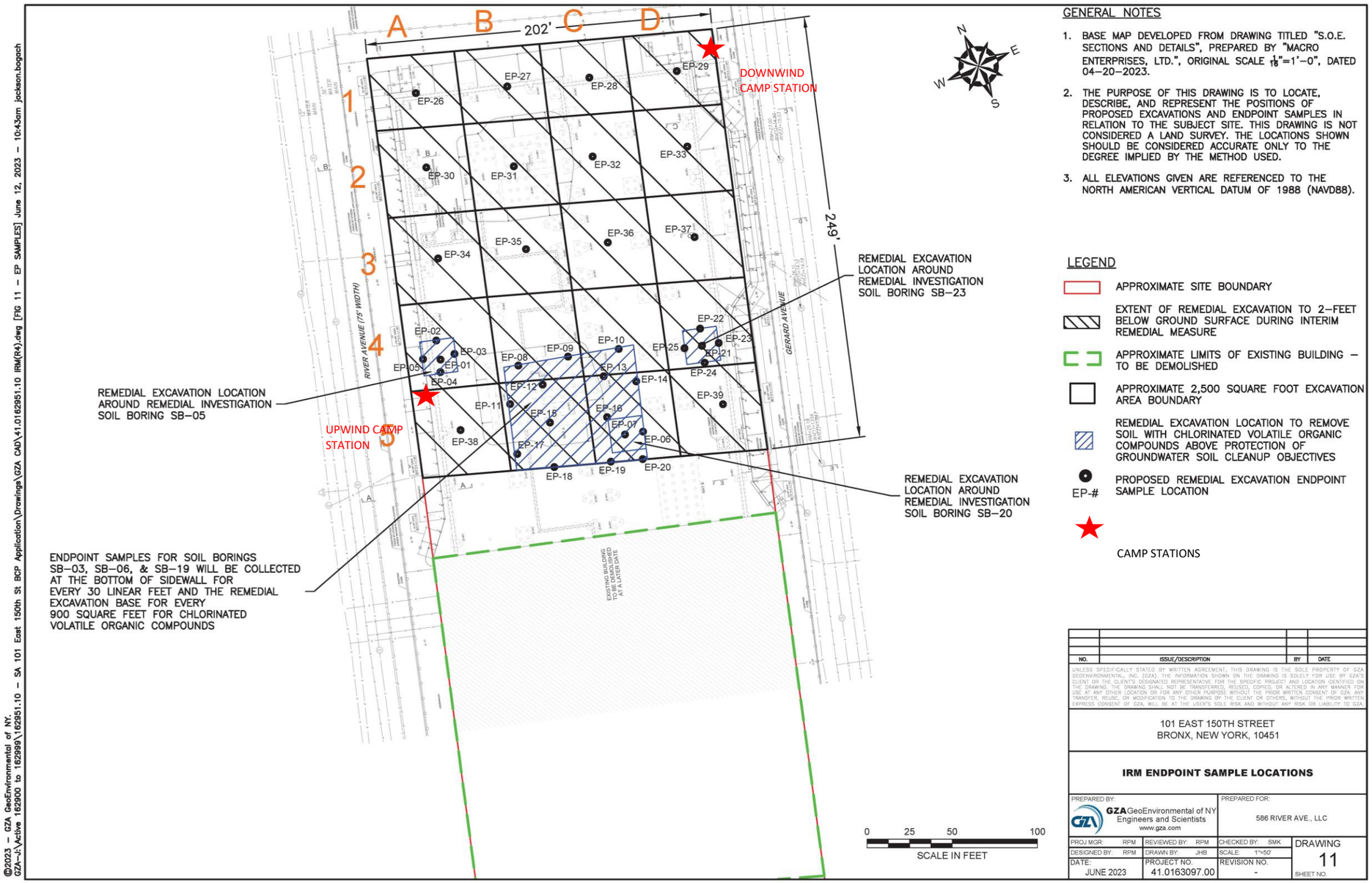
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Soil Solution driving pile at grid B-3.		**Description:** Demolition of asphalt surface at grids B-5 and C-5.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** Northwest
Description: J&A Concrete loading trucks with asphalt.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

Photo No. 5	Direction Photo Taken: Southeast	Photo No. 6	Direction Photo Taken South
Description: Macro Enterprises installing tiebacks at grid D-5.		**Description:** Downwind CAMP station at the northeast corner of the Site.	
Photo No. 7	**Direction Photo Taken:** South	**Photo No. 8**	**Direction Photo Taken** East
Description: Site at the end of the day.		**Description:** J&A covering the stockpile at the end of the day.	

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 15, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 Air Logics CAMP Station (1780– Downwind) with remote telemetry system

Station 2 Air Logics CAMP Station (1467– Upwind) with remote telemetry system

Hand Held PID Model 580 SN: 592-602879

Hand Held SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary

2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:

1 ☒ Data

2 ☒ Data

Weather Station: ☐ YES

Background Readings:

PID 1: 0.0

PID 2: 0.0

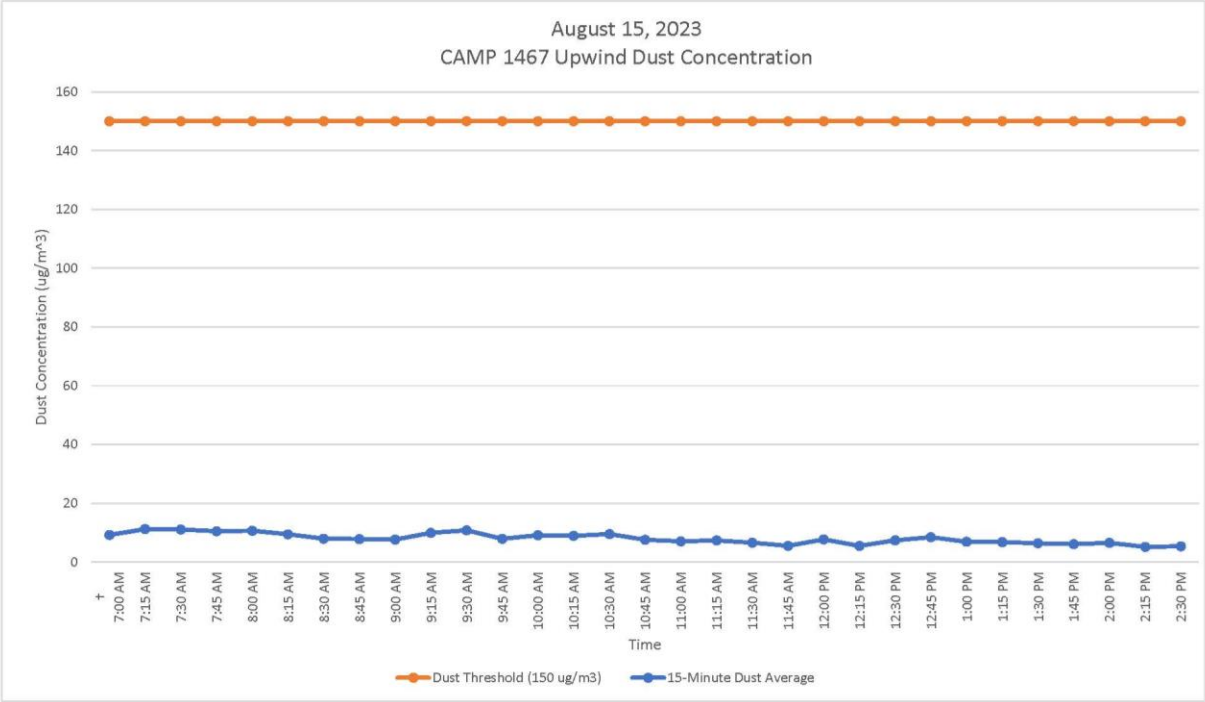
Data Ram 1: 6.46

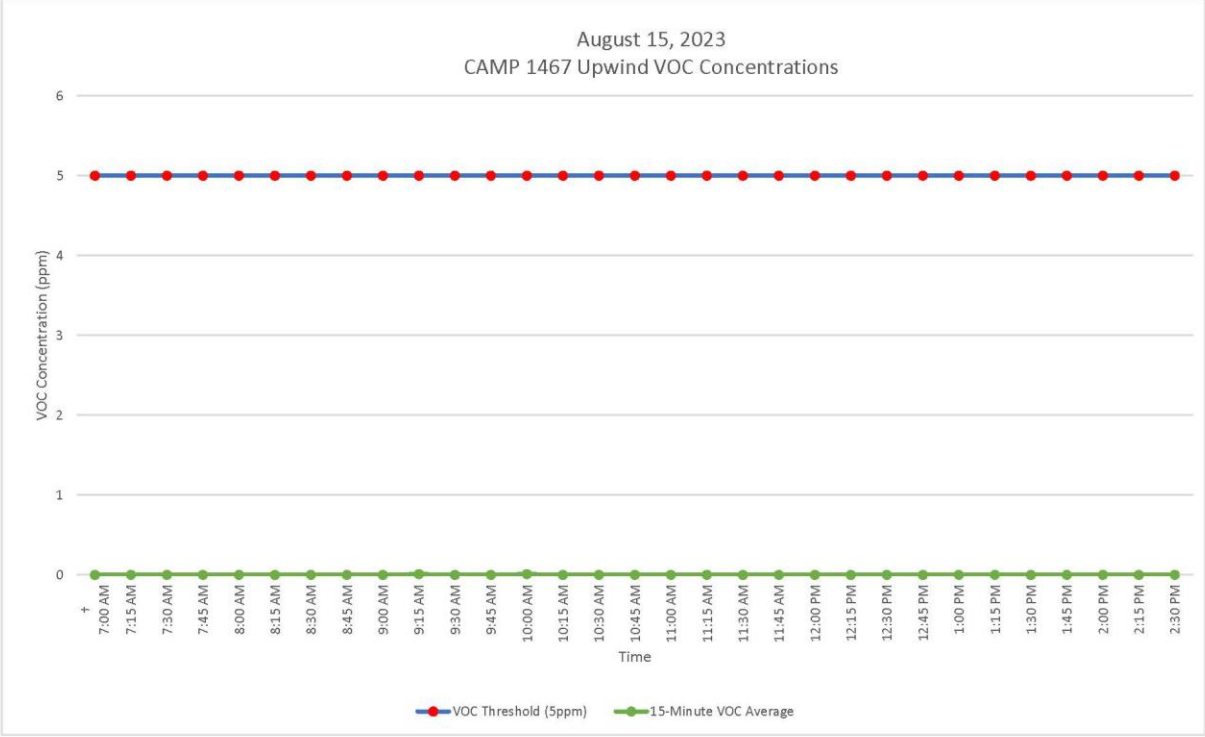
Data Ram 2: 9.24

GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023

FILE NO: 41.0163097.00

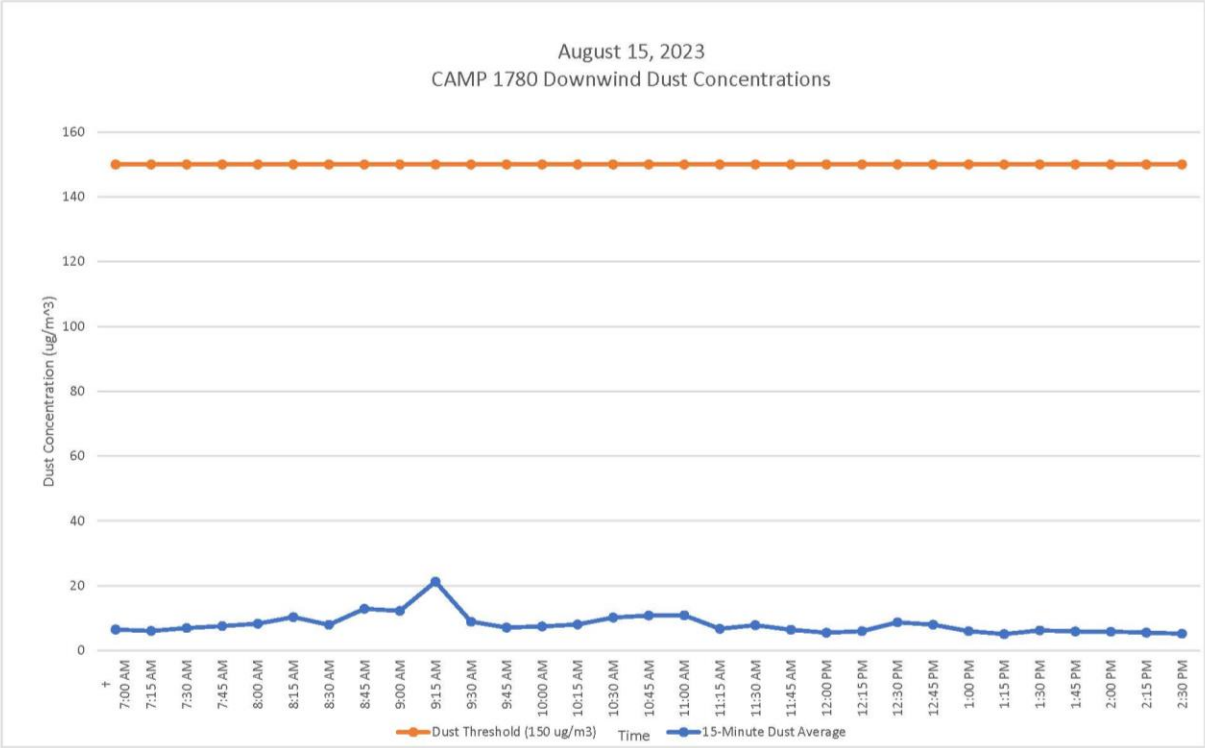


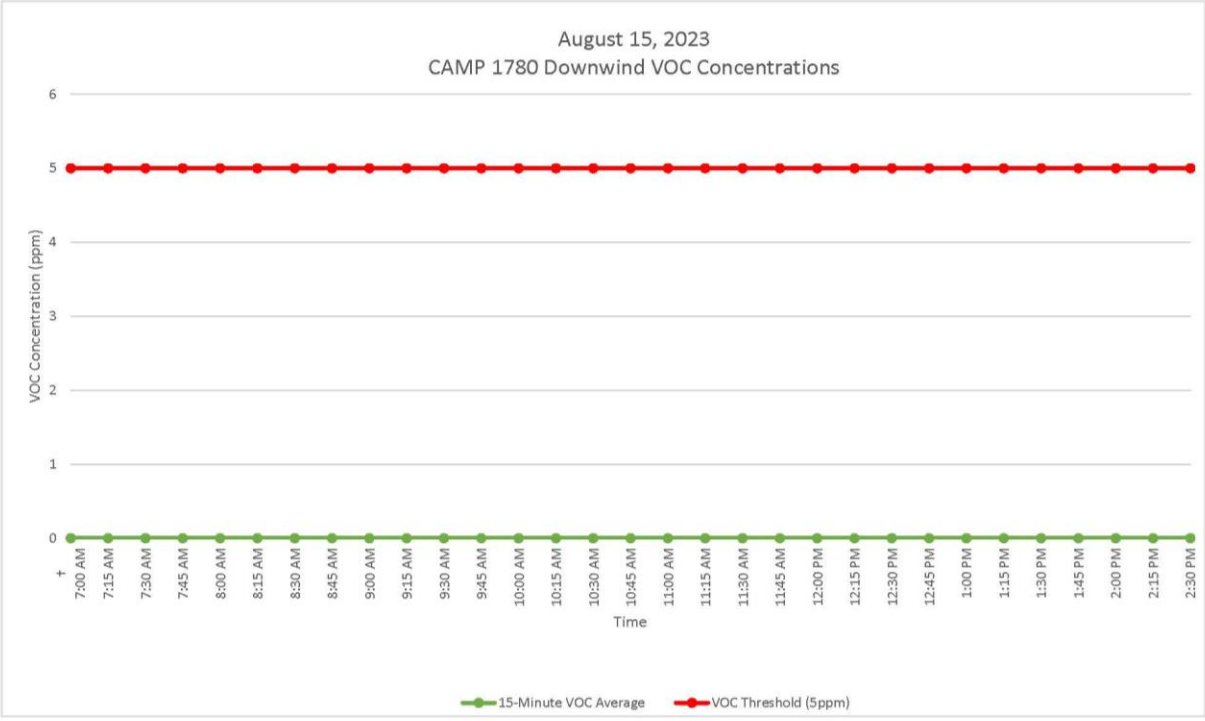


GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 17

DATE: 8/15/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	0	0	0	0	0	0
Total	**53**	**1060**	**161**	**3,220**	**214**	**4,280**

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Rain, Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	73.67°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	67.43°F
		MAX WIND SPEED	13 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.80 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, August 16, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Soil Solutions	
	Independence Carting	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 8/16/2023

Work Location (Attachment A): Grid A2, B1, B2, C2, D1, D2, and D3.

1. J&A Concrete loaded 30 truckloads of material to Clean Earth, Carteret from Grids C2, D2, and D3 (0-6 ft bgs).
2. Soil Solutions continued Pile driving in grids A2, B1, and B2.
3. Macro Enterprises installed walers along the SOE in grids D1 and D3.
4. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 13.85 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 13.79 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 30 trucks of excavated materials were transported offsite to Clean Earth, Carteret, NJ during this monitoring period.

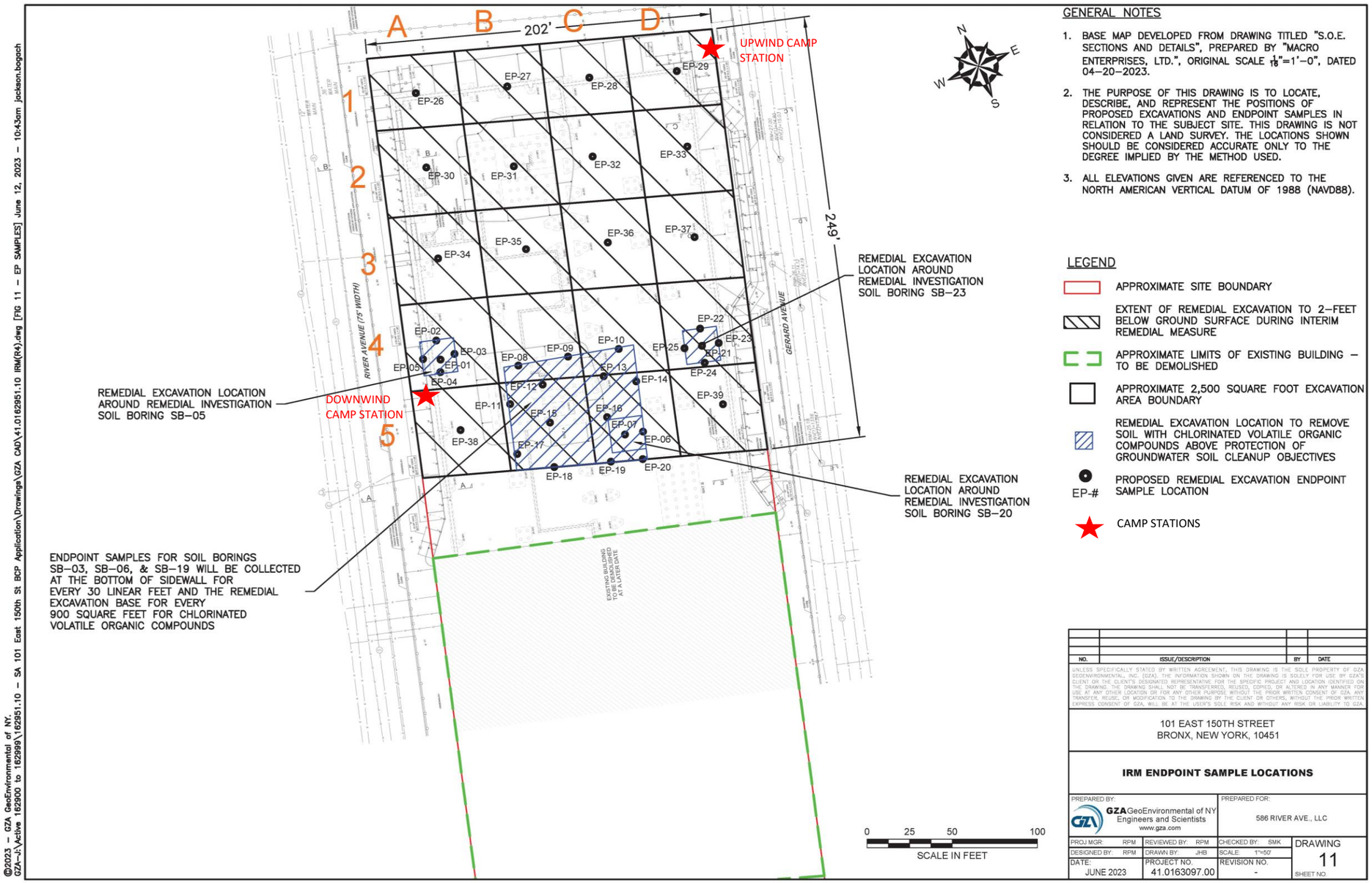
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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LEGEND

- APPROXIMATE SITE BOUNDARY
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- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:			
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC			
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Soil Solution driving pile at grid A-2.		**Description:** J&A Concrete loading up trucks with soil for transport to Clean Earth of Carteret.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** South
Description: J&A Concrete cleaning debris from trucks prior to leaving the site.		**Description:** Overview of excavated northern portion of the site at the end of the day.	

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 16, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:
1 ☒ Data
2 ☒ Data

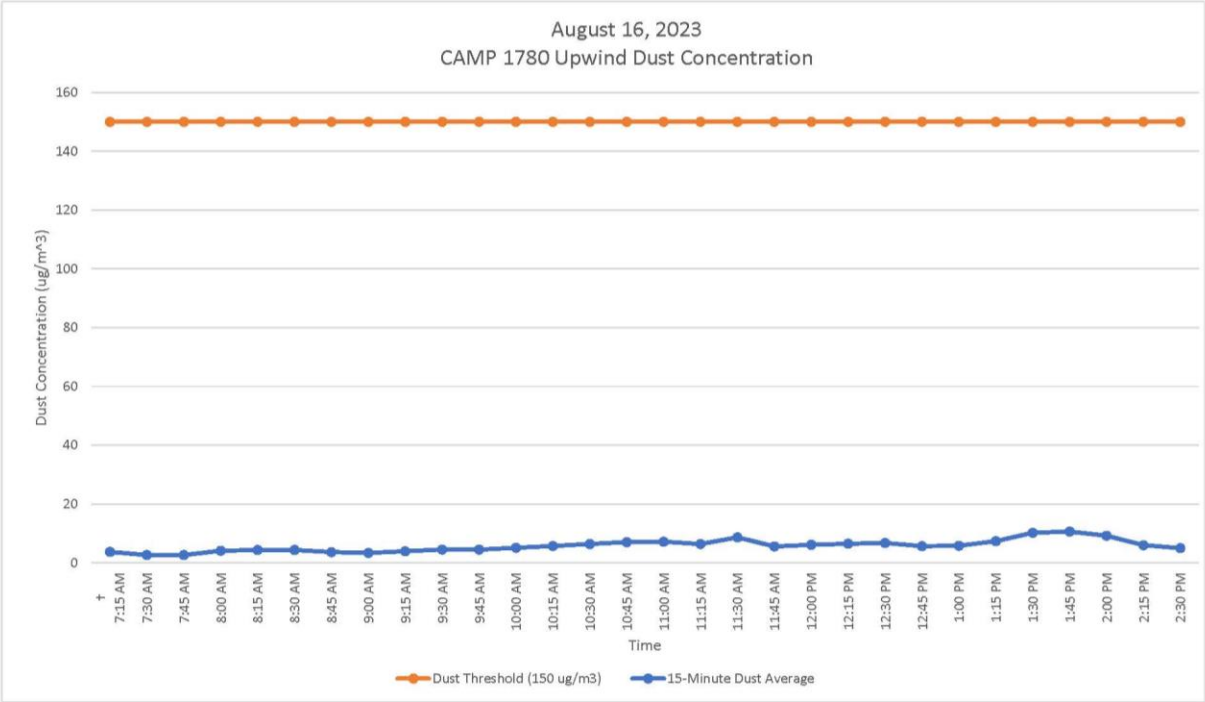
Weather Station: ☐ YES

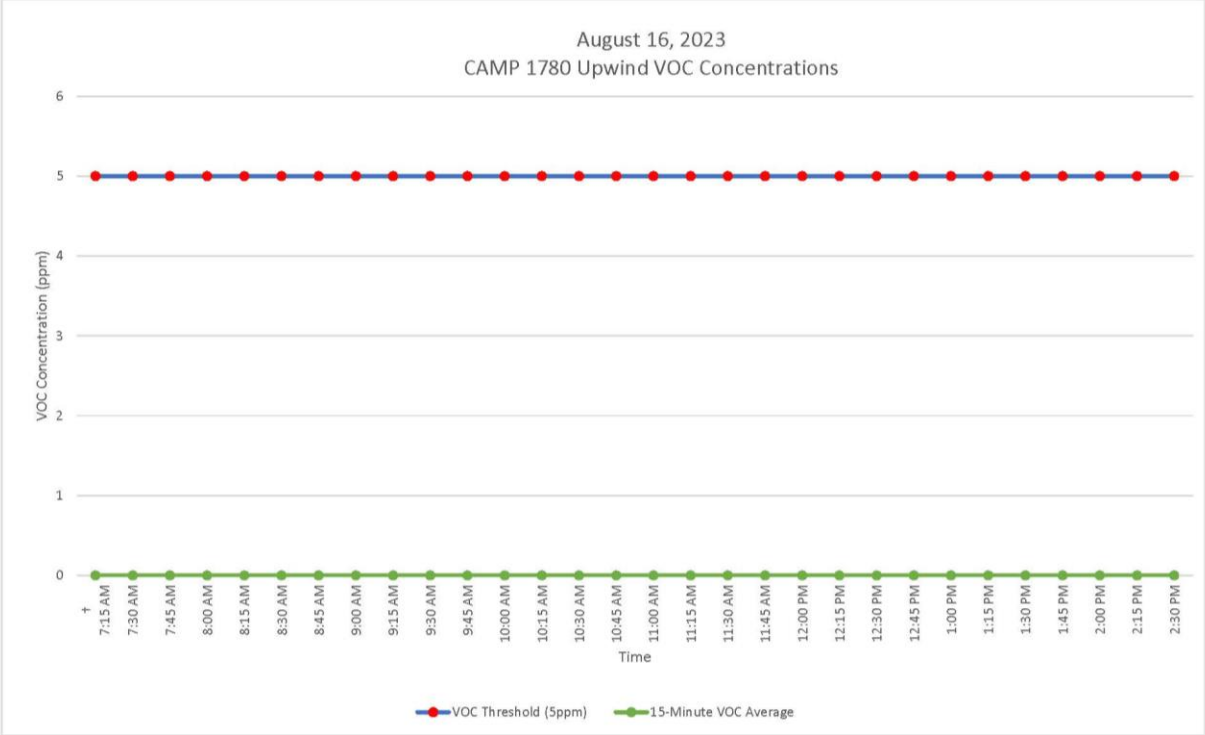
Background Readings:
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 3.72
Data Ram 2: 13.85

GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

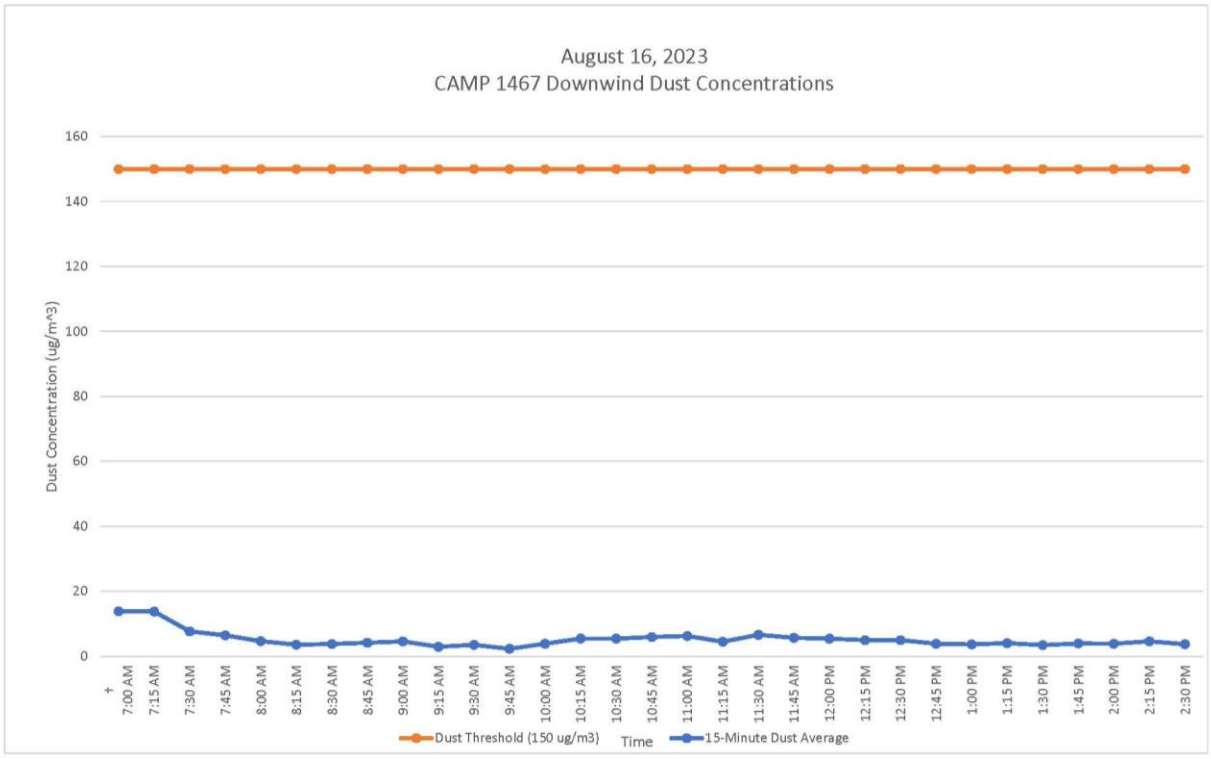


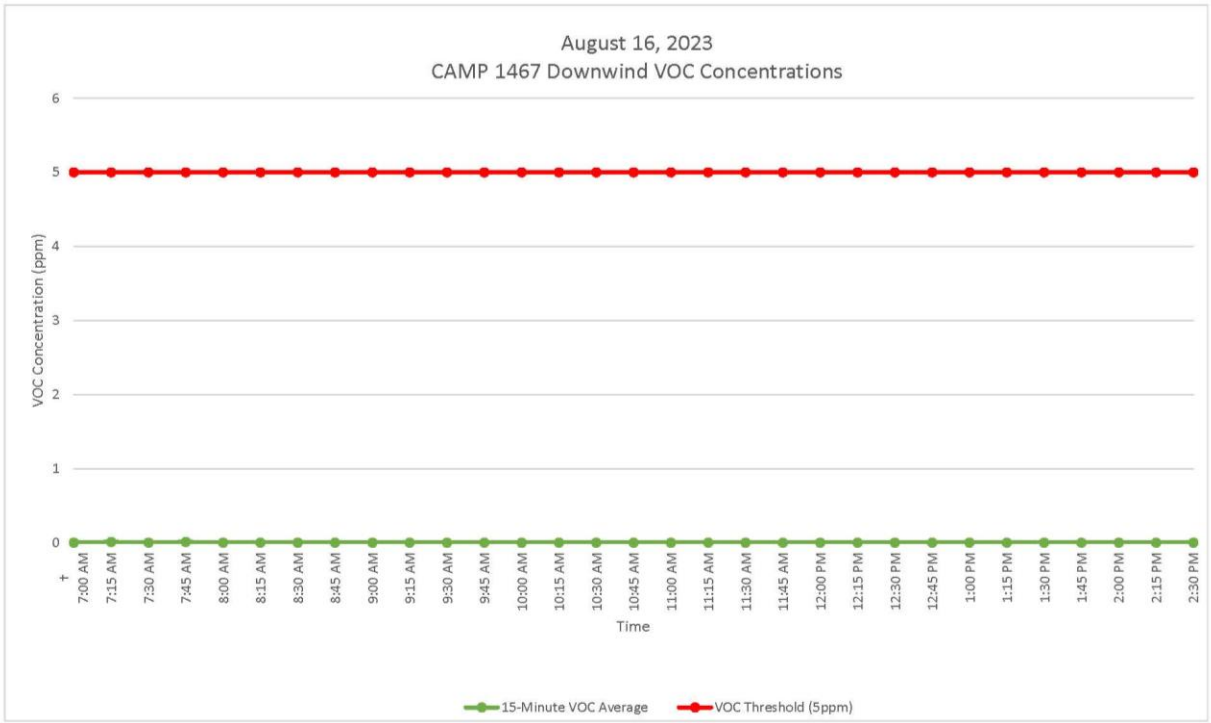


GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 18

DATE: 8/16/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	53	1060	161	3,220	214	4,280
Total	**53**	**1060**	**191**	**3,820**	**244**	**4,880**

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	74.56°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	68.22°F
		MAX WIND SPEED	12 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site is entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, August 17, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Macro Enterprises	
	Soil Solutions	
	Independence Carting	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 8/17/2023

Work Location (Attachment A): Grid A2, B2, B3, C2, C3, D1, D3, D4, and D5

1. J&A Concrete loaded 30 truckloads of material to Clean Earth, Carteret from Grids C3 and D3 (0-6 ft bgs) and D4 and D5 (0-3 ft bgs).
2. Soil Solutions continued Pile driving in grids A2, B2, B3, and C2,
3. Macro Enterprises installed walers along the SOE in grids D1 and D3.
4. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 18.69 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 17.71 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 30 trucks of excavated materials were transported offsite to Clean Earth, Carteret, NJ during this monitoring period.

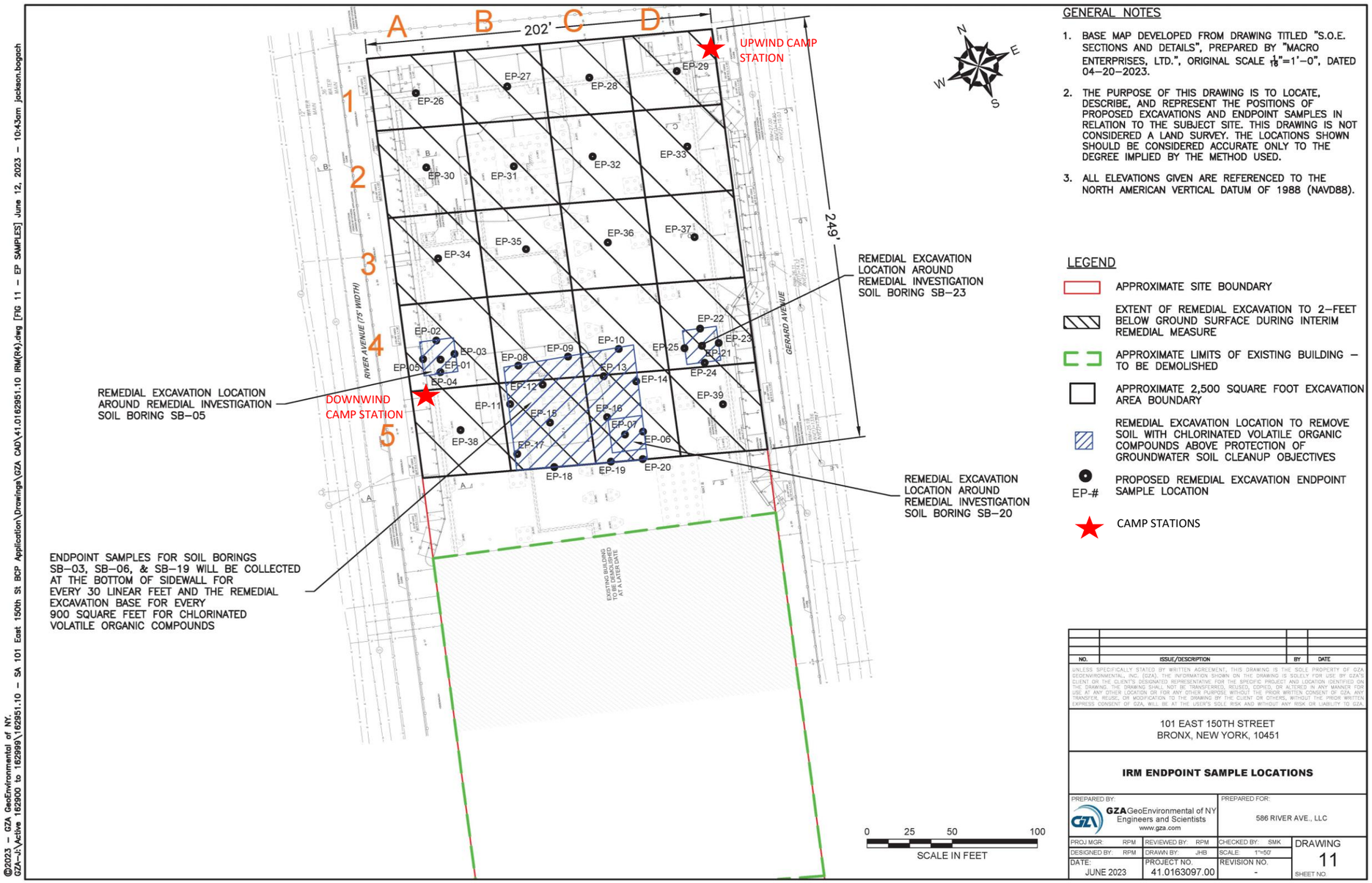
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

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LEGEND

- APPROXIMATE SITE BOUNDARY
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NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

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PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING	
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	11	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northwest
Description: J&A Concrete loading up trucks with soil for transport to Clean Earth of Carteret.		**Description:** J&A Concrete cleaning debris from trucks prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No.** 4	**Direction Photo Taken** South
Description: Soil Solution driving pile at grid B-2.		**Description:** Overview of excavated northern portion of the site at the end of the day.	

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 17, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

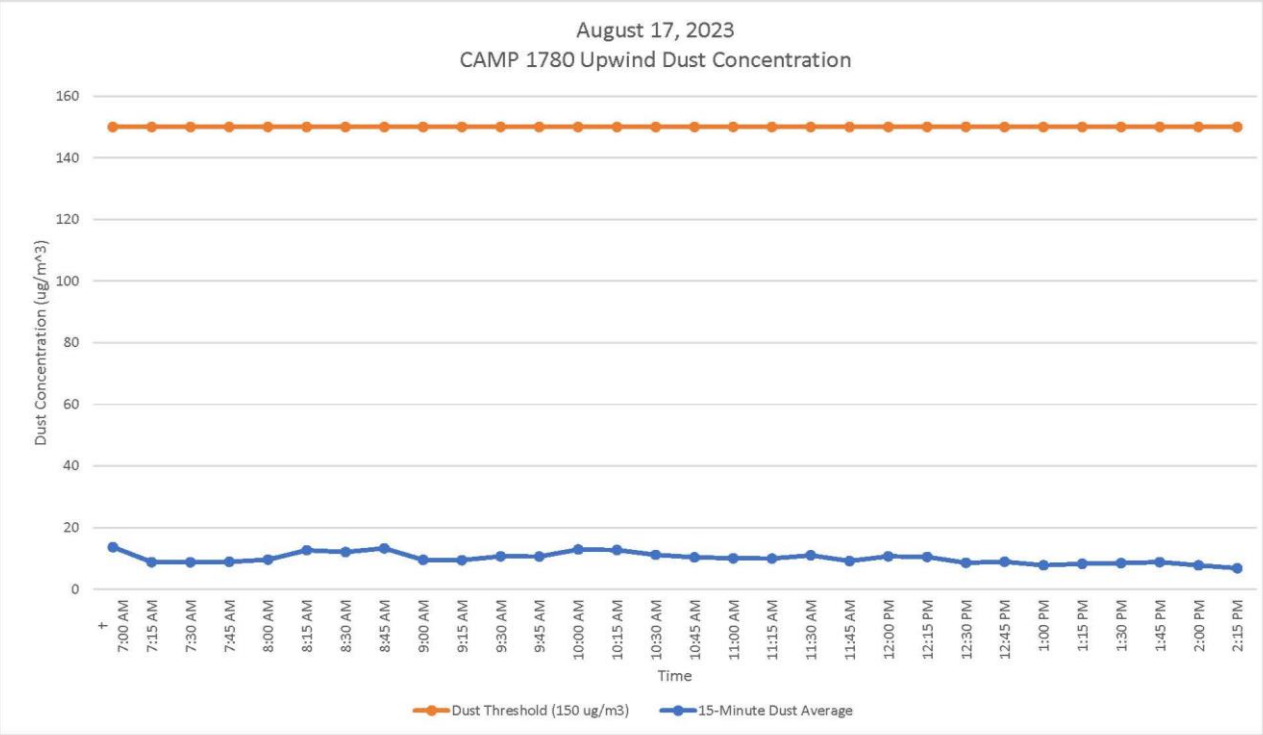
PID 1: 0.0
PID 2: 0.0

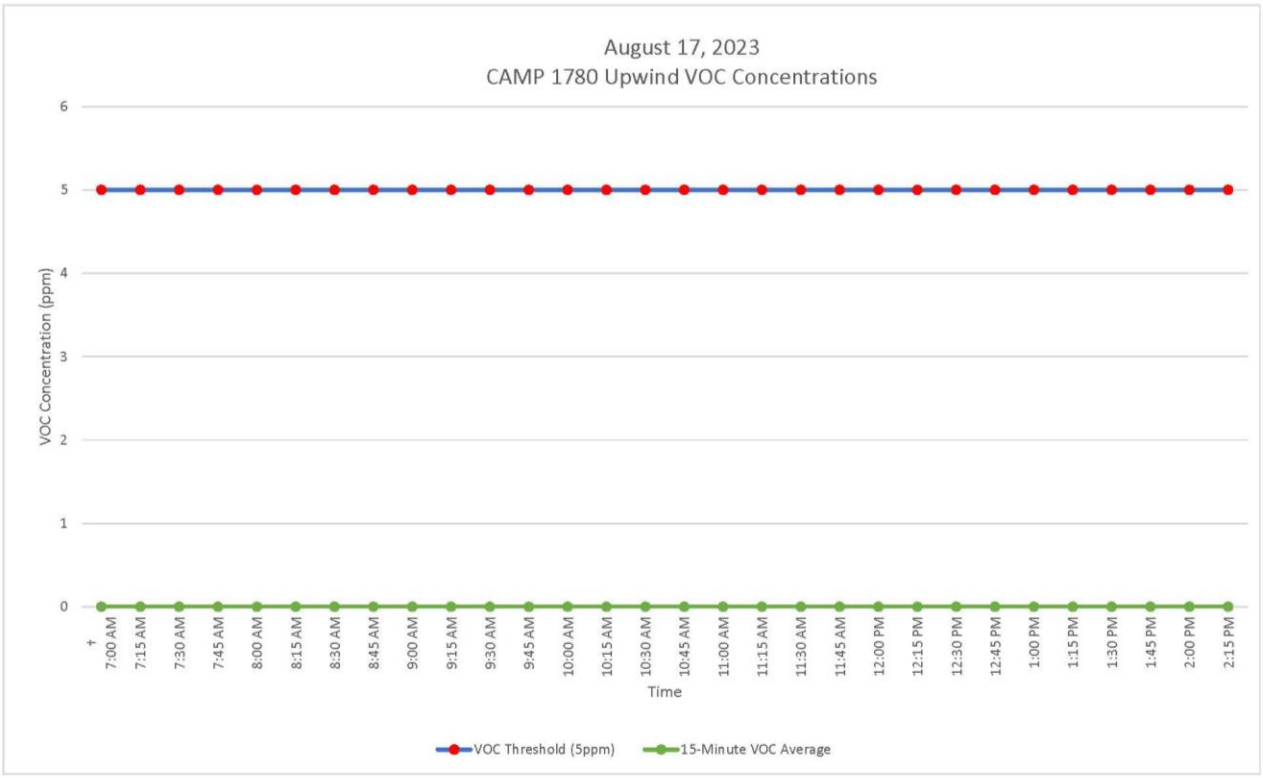
Data Ram 1: 13.70
Data Ram 2: 18.69

GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023

FILE NO: 41.0163097.00

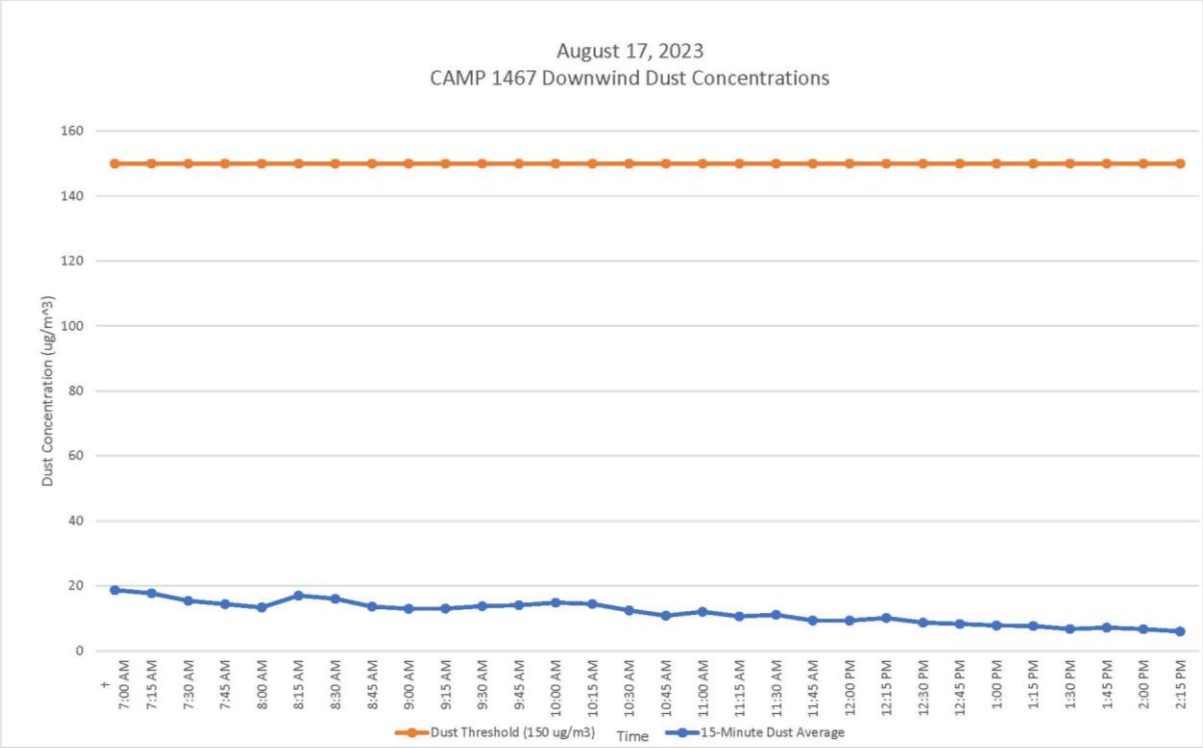


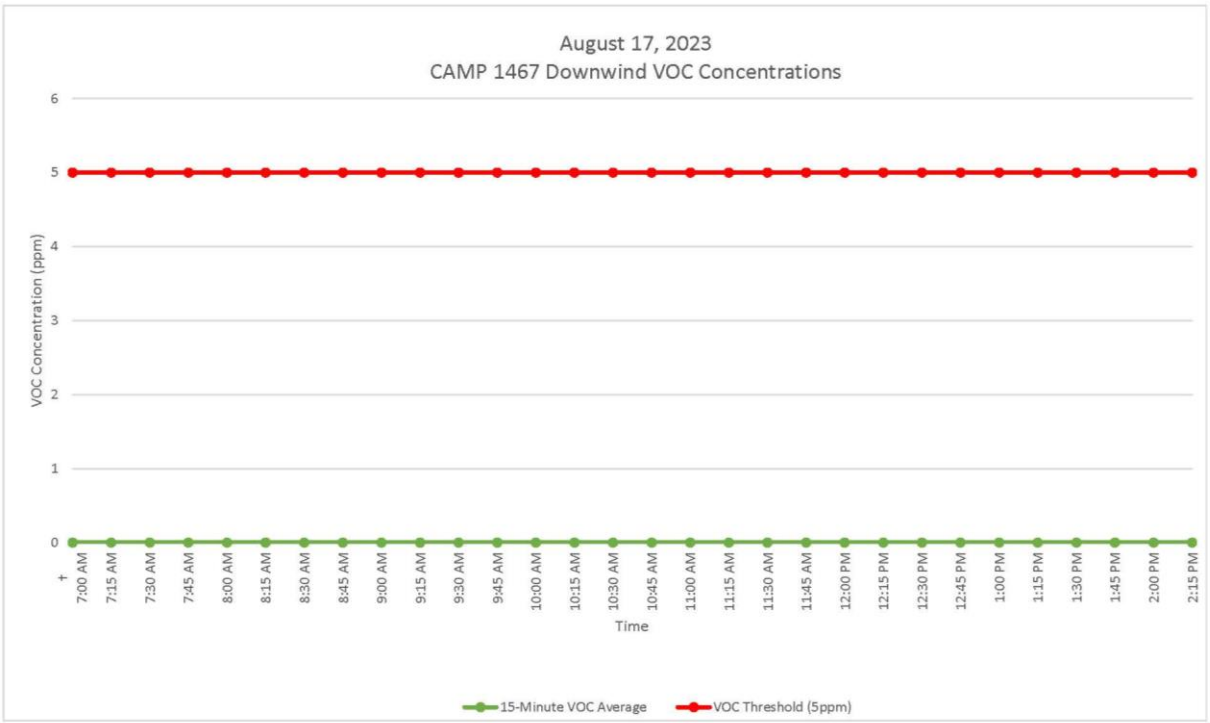


GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 19

DATE: 8/17/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	53	1060	191	3,820	244	4,880
Total	**53**	**1060**	**221**	**4,420**	**274**	**5,480**

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Rain / Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	75.5°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	66.73°F
		MAX WIND SPEED	24 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	1.57 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, August 18, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	Macro Enterprises	
SITE VISITORS:	**Cousins Metal Industries Inc.**	

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 8/18/2023

Work Location (Attachment A): Grid B2, C1, C2, D1, D3, and D4.

1. Soil Solutions continued Pile driving in grids B2, C1, and C2.
2. Macro Enterprises installed walers along the SOE in grids D1, D3, and D4.
3. Cousins Metal Industries Inc. transported one roll-off container of cut piles off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED

- End-point samples EP-26, EP-27, EP-28, EP-29, EP-30, EP-33, EP-34, and EP-35 from grids A1, B1, C1, D1, A2, D2, A3, and B3, respectively, at 5-feet below ground surface (bgs).

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 3.08 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 9.45 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

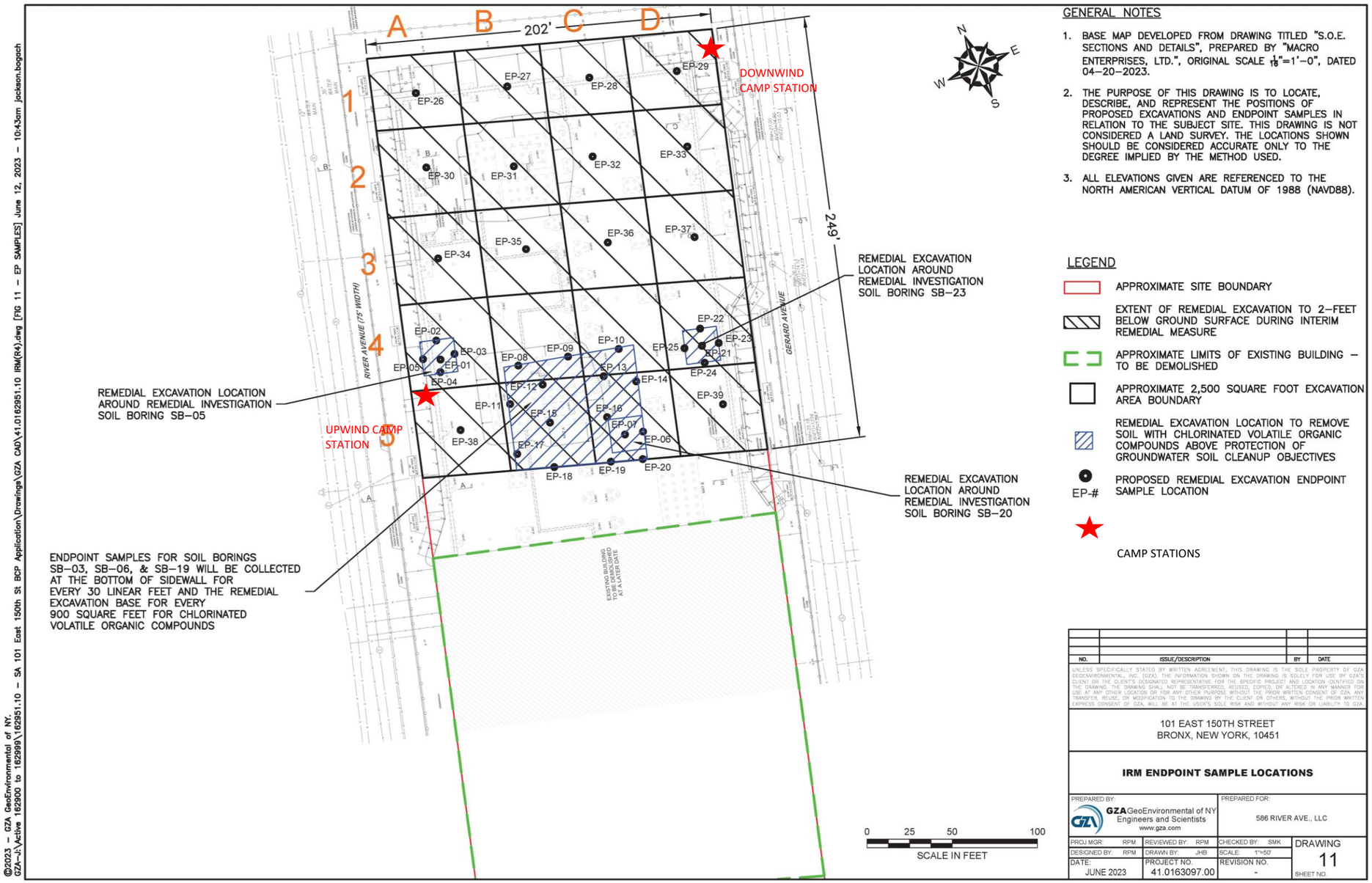
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** South
Description: Soil Solution driving pile at grid B-2.		**Description:** Downwind CAMP station at the northeast corner of the site.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** Southwest
Description: Macro Enterprises installing walers along the SOE on the western side of the Site.		**Description:** Overview of the site at the end of the day.	

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 18, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

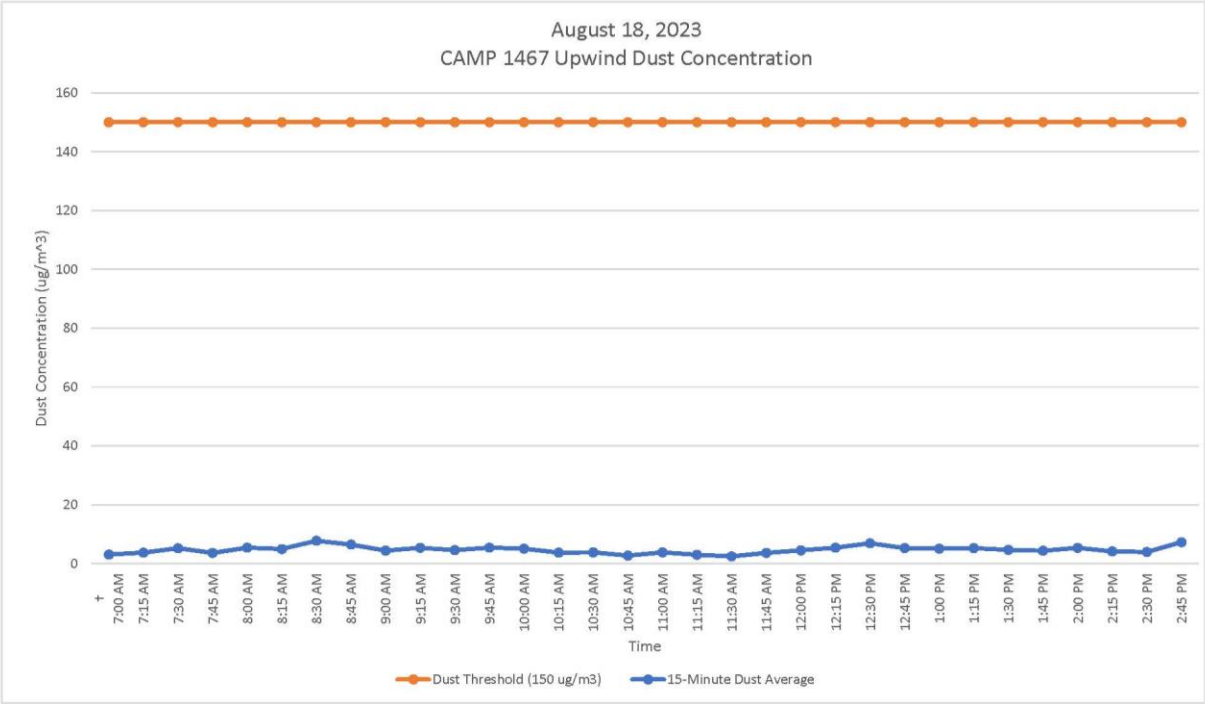
PID 1: 0.0
PID 2: 0.0

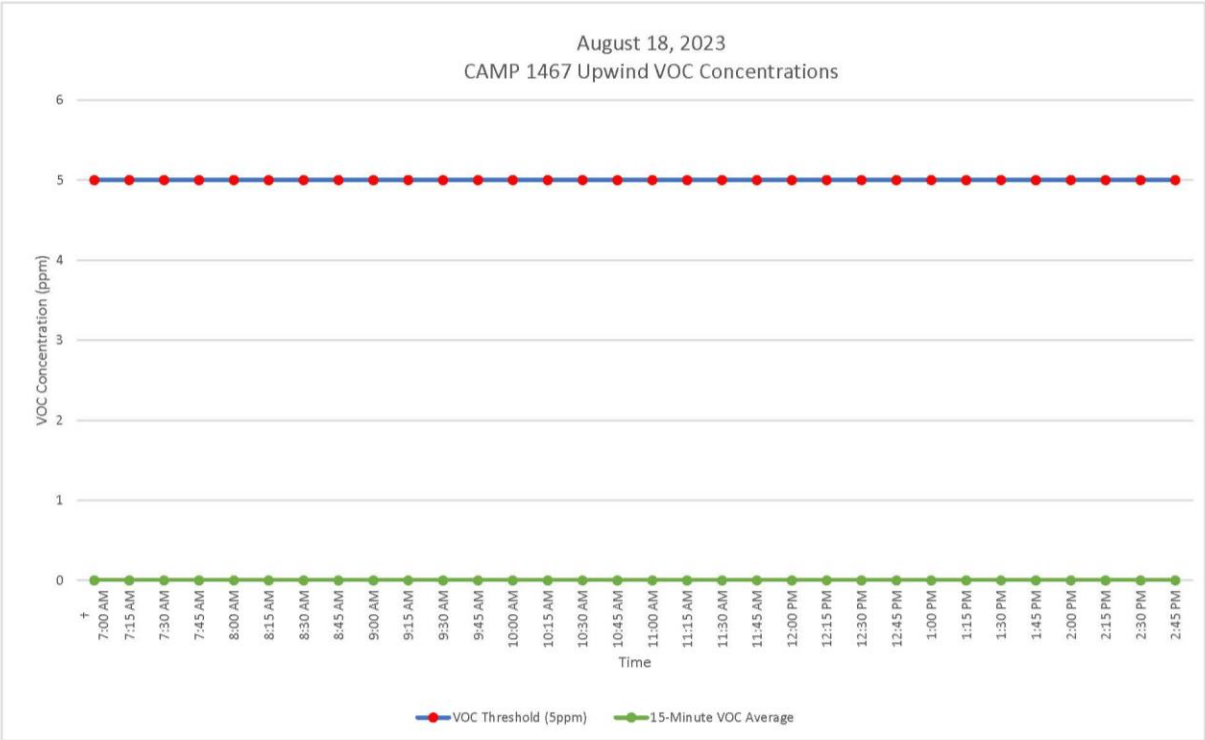
Data Ram 1: 2.48
Data Ram 2: 3.08

GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023

FILE NO: 41.0163097.00

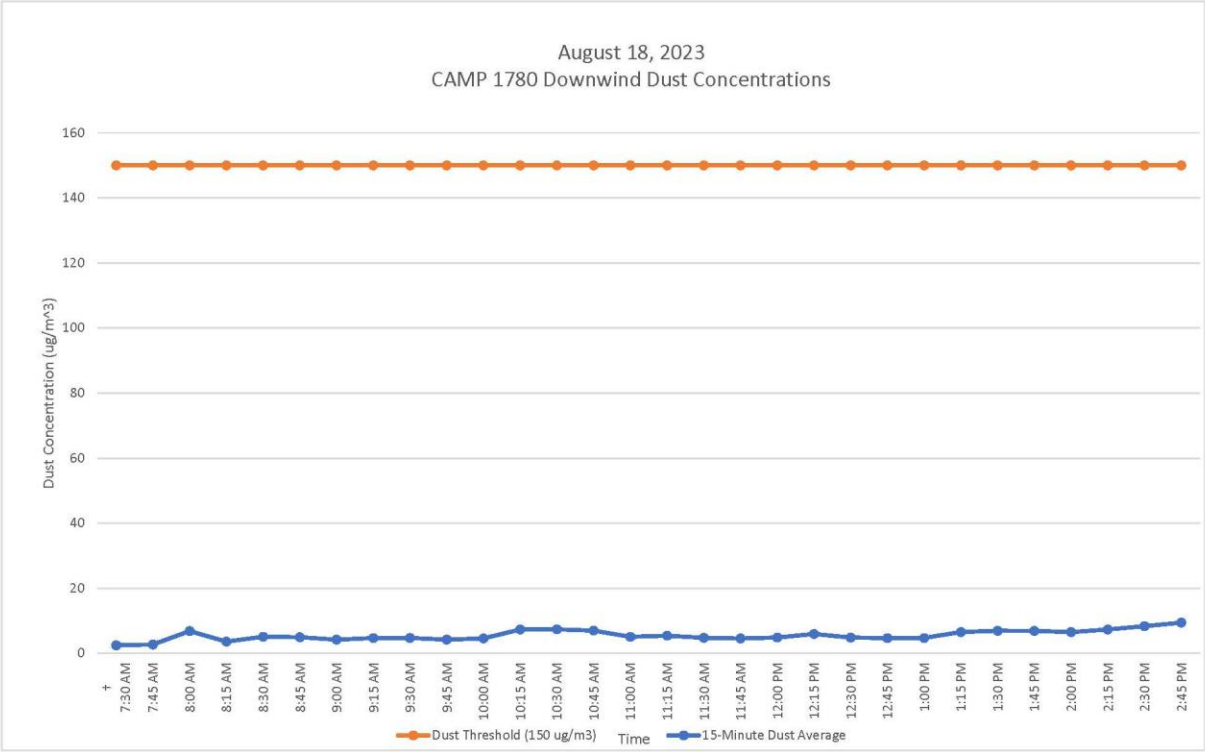


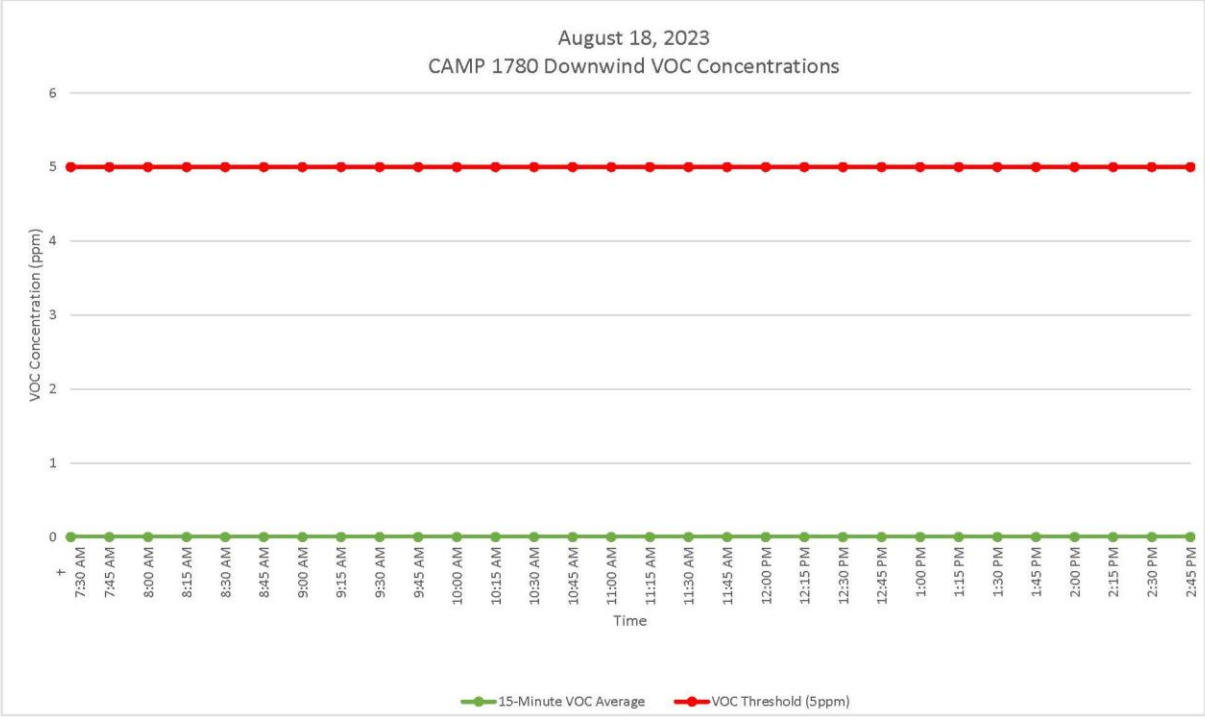


GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 20

DATE: 8/18/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	53	1,060	30	600	30	600
Total	**53**	**1,060**	**221**	**4,420**	**274**	**5,480**

GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	80.06°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	63.5°F
		MAX WIND SPEED	14 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, August 21, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	Macro Enterprises	
	Cousins Metal Industries Inc	
SITE VISITORS:	**GZA**	
	Reinbill Maniquez	

GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 8/21/2023

Work Location (Attachment A): Grid C2, C4, D1, D2, D3, D4, and D5

1. Soil Solutions continued pile driving in grids C2, D1, and D2.
2. J&A performed excavation at grids D4 and D5 to 3 feet bgs in preparation for material export off-Site. Excavated soils were stockpiled at grid C4 and covered at the end of the day.
3. Macro Enterprises performed tieback testing along the SOE in grids D1, D2, D3, and D4.
4. Macro Enterprises installed lagging wall at grid D1.
5. Cousins Metal Industries Inc. transported one roll-off container of cut piles off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

Air Monitoring results:
Background Prestart Conditions – PID: 0.00 ppm, Particulates: 22.15 ug/m^3
High Conditions – PID: 2.65 ppm, Particulates: 31.09 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED

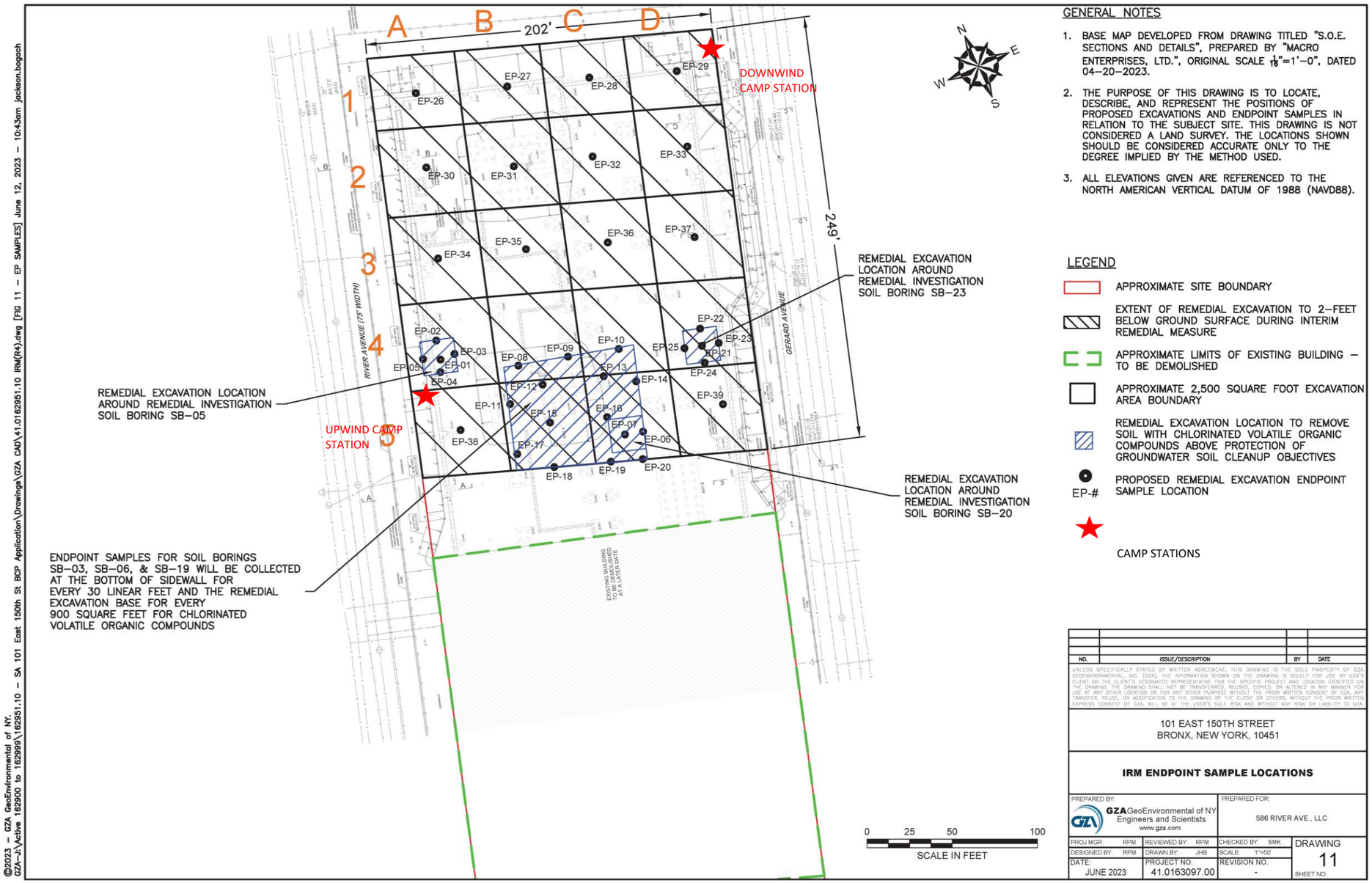
- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023

FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Soil Solution driving pile at grid B-2.		**Description:** Excavation at grids D-4 and D-5.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** East
Description: Project utilized water truck used as dust suppression measure.		**Description:** Stockpile being covered at the end of the day.	

GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 21, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

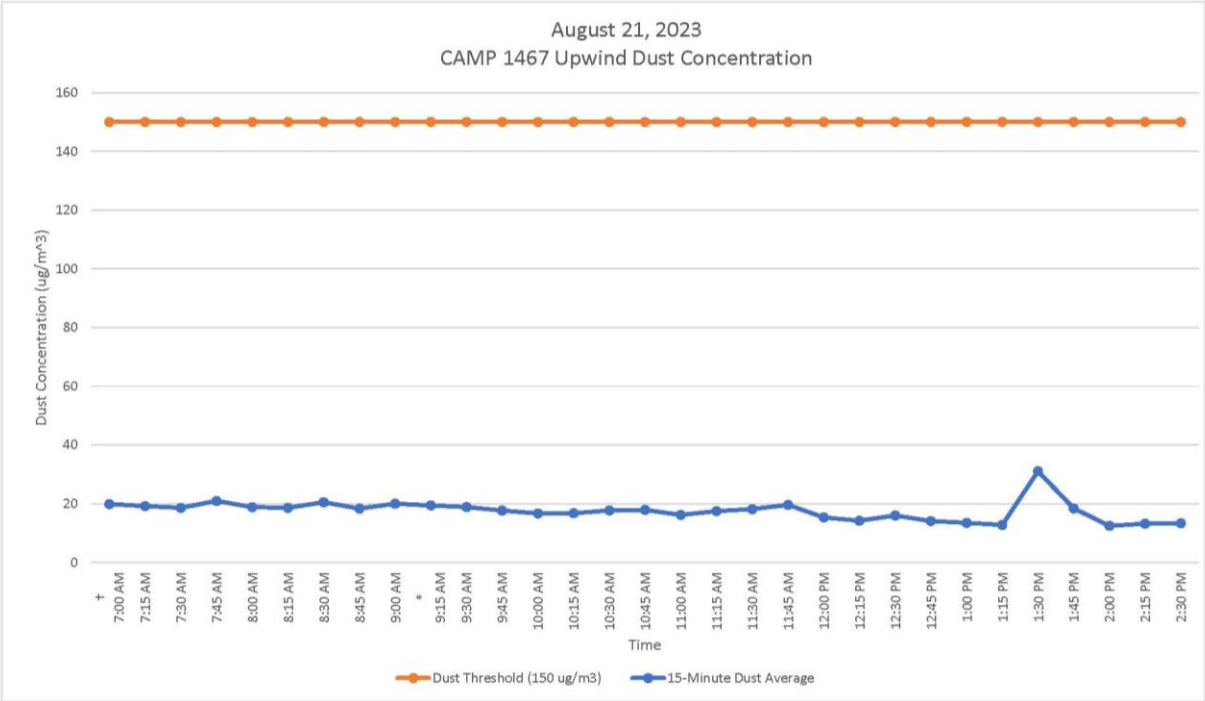
Background Readings:

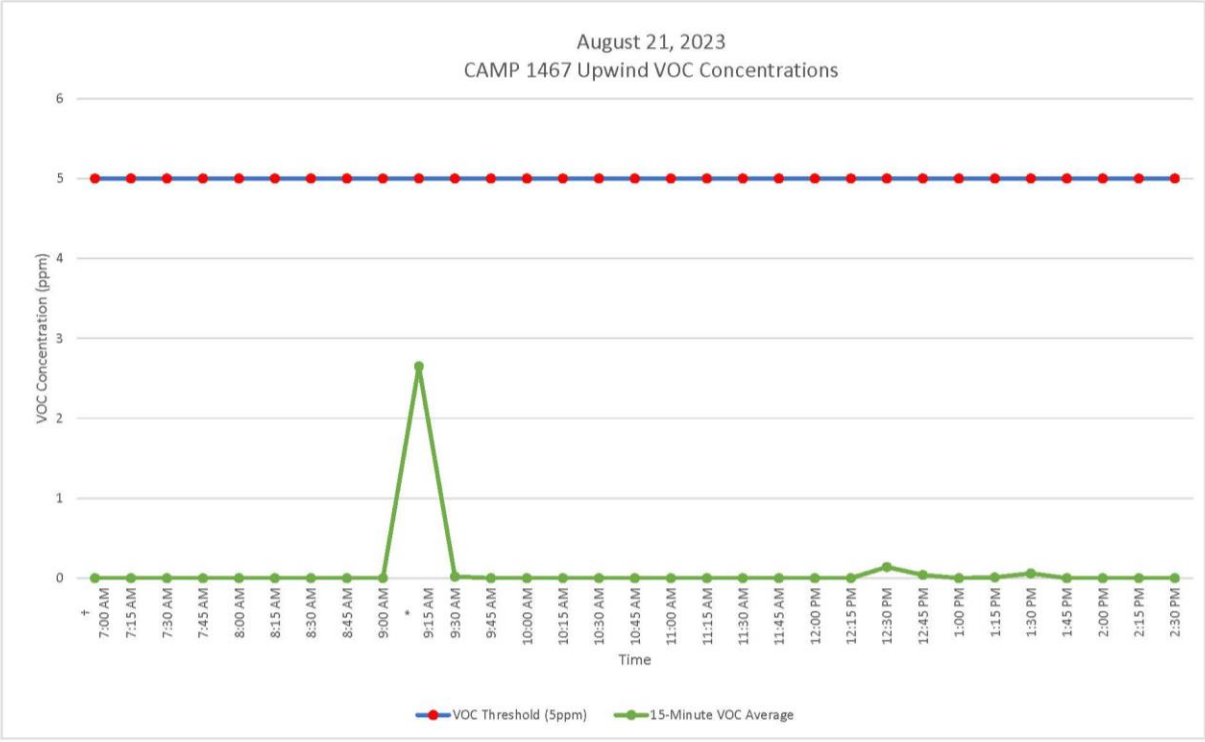
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 19.90
Data Ram 2: 22.15

GZA DAILY FIELD SUMMARY 21

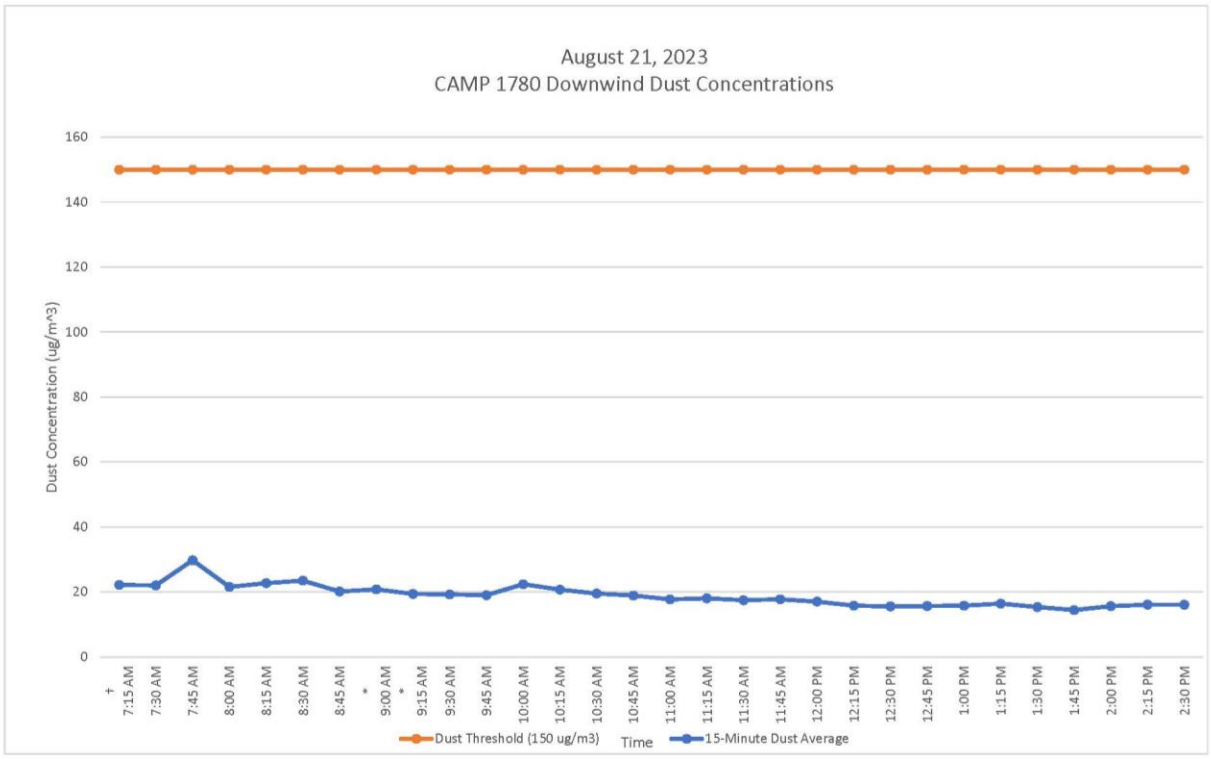
DATE: 8/21/2023
FILE NO: 41.0163097.00

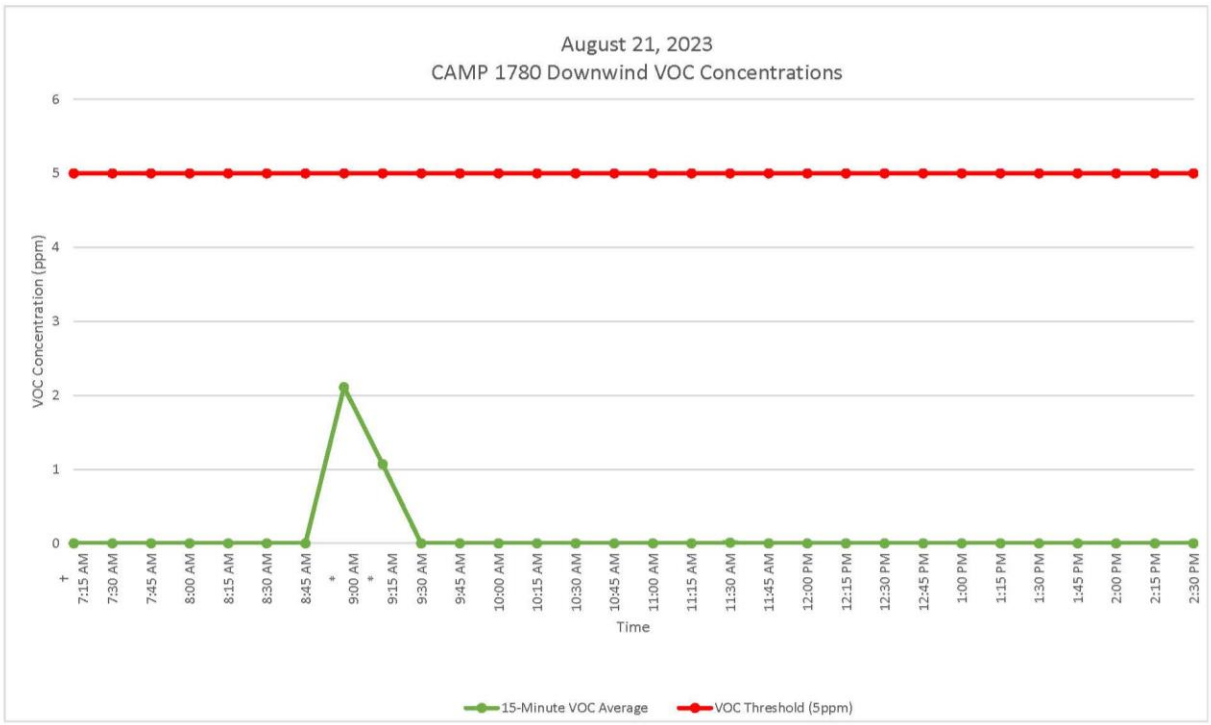




GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 21

DATE: 8/21/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	53	1,060	30	600	30	600
Total	**53**	**1,060**	**221**	**4,420**	**274**	**5,480**

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	73.88°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	54.58°F
		MAX WIND SPEED	18 mph from N
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, August 22, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Tim Murphy	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Soil Solutions	
	Macro Enterprises	
	GTR Engineering, LLC (GTR)	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 8/22/2023

Work Location (Attachment A): Grid A2, C1, C3, C4, D2, D3, D4, and D5.

1. Loadout of stockpiled soil excavated from Grid D3 (0-6 ft bgs) and Grids D4 & D5 (0-3 ft bgs). 30 truckloads of soil (approximately 600 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. J&A Concrete performed excavation at grid C3 to approximately 6 feet bgs in preparation for material export off-Site. Excavated soils were stockpiled at grid C4 and covered at the end of the day.
3. Soil Solutions continued Pile driving in grids A2, C1, D2, and D3.
4. Macro Enterprises continued tieback testing and installation of lagging wall along the SOE in grids D4 and D5.
5. GTR Engineering performed pile load testing.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 15.40 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 15.04 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 30 trucks of excavated materials were transported offsite to Clean Earth, Carteret, NJ during this monitoring period.

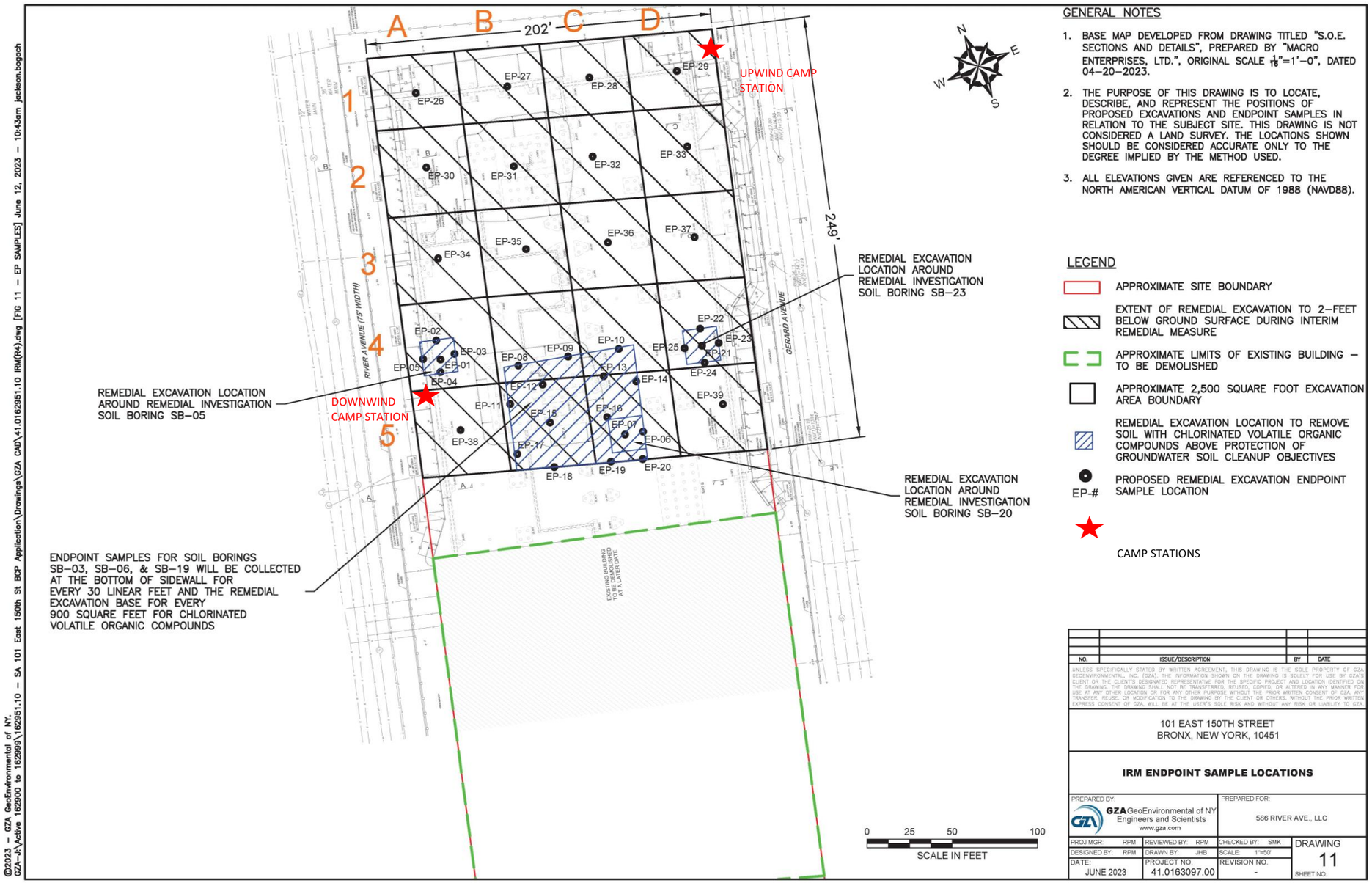
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** North
Description: J&A Concrete loading up trucks with soil for transport to Clean Earth of Carteret.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No.** 4	**Direction Photo Taken** Northeast
Description: Project utilized water truck as dust suppression measure.		**Description:** Soil Solution driving pile at grid A-2.	

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

Photo No. **5**	**Direction Photo Taken:** South	**Photo No.** **6**	**Direction Photo Taken** East
Description: Site at the end of the day.		**Description:** J&A covering the stockpile at the end of the day.	

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 22, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

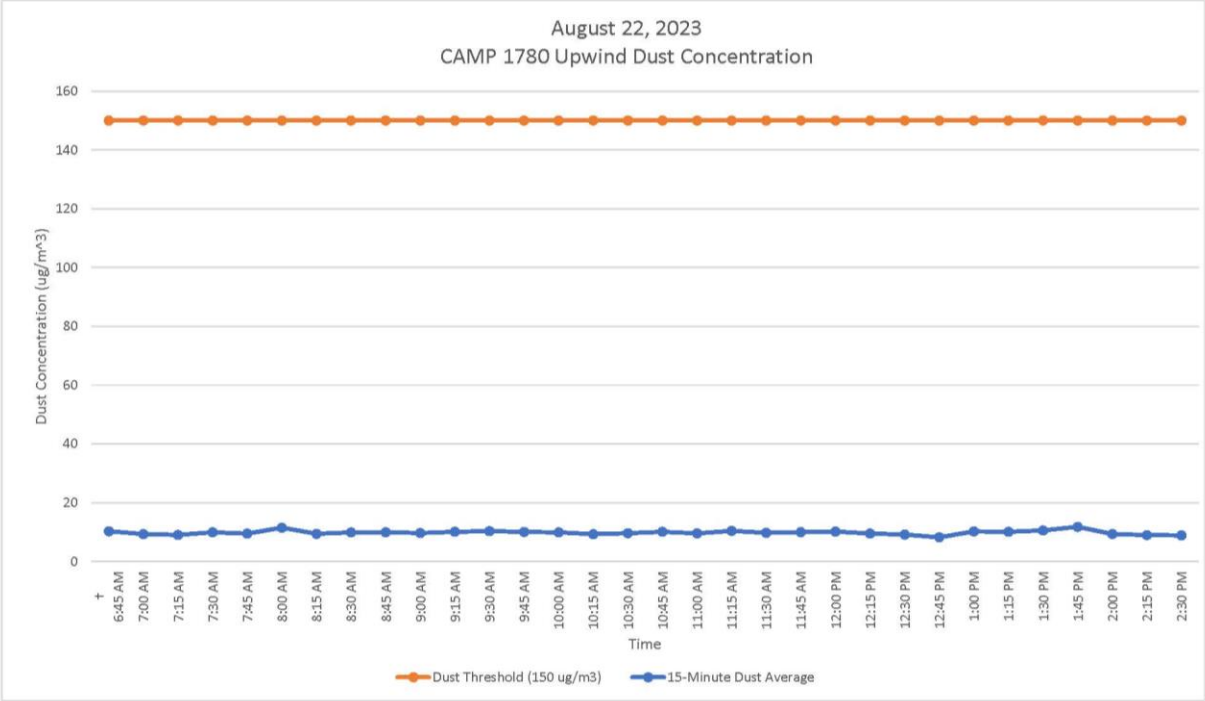
Background Readings:
PID 1: 0.0
PID 2: 0.0

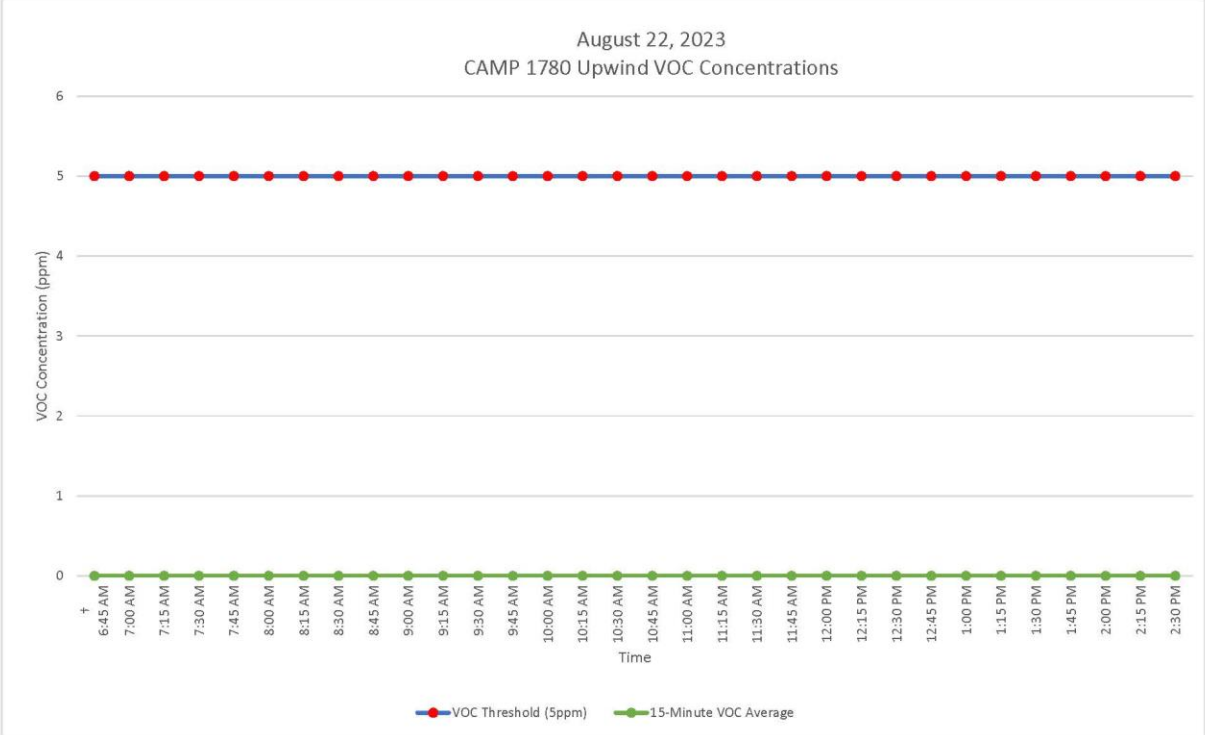
Data Ram 1: 10.32
Data Ram 2: 15.40

GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023

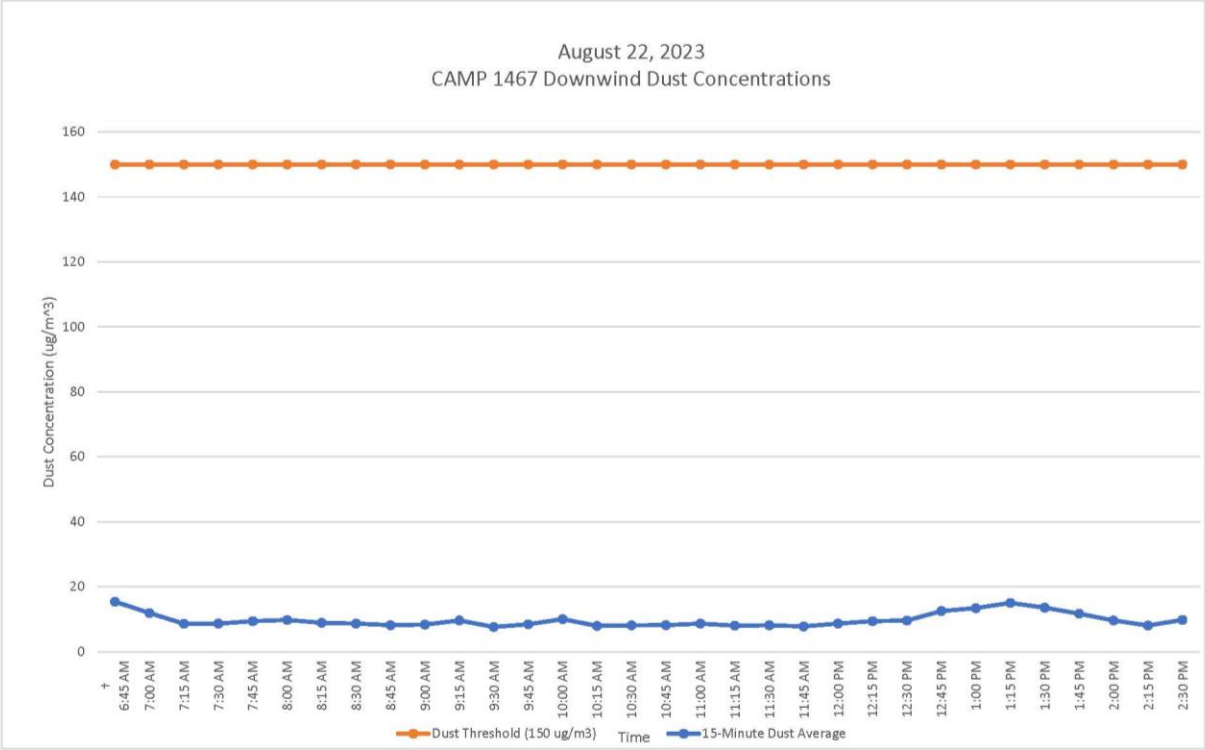
FILE NO: 41.0163097.00

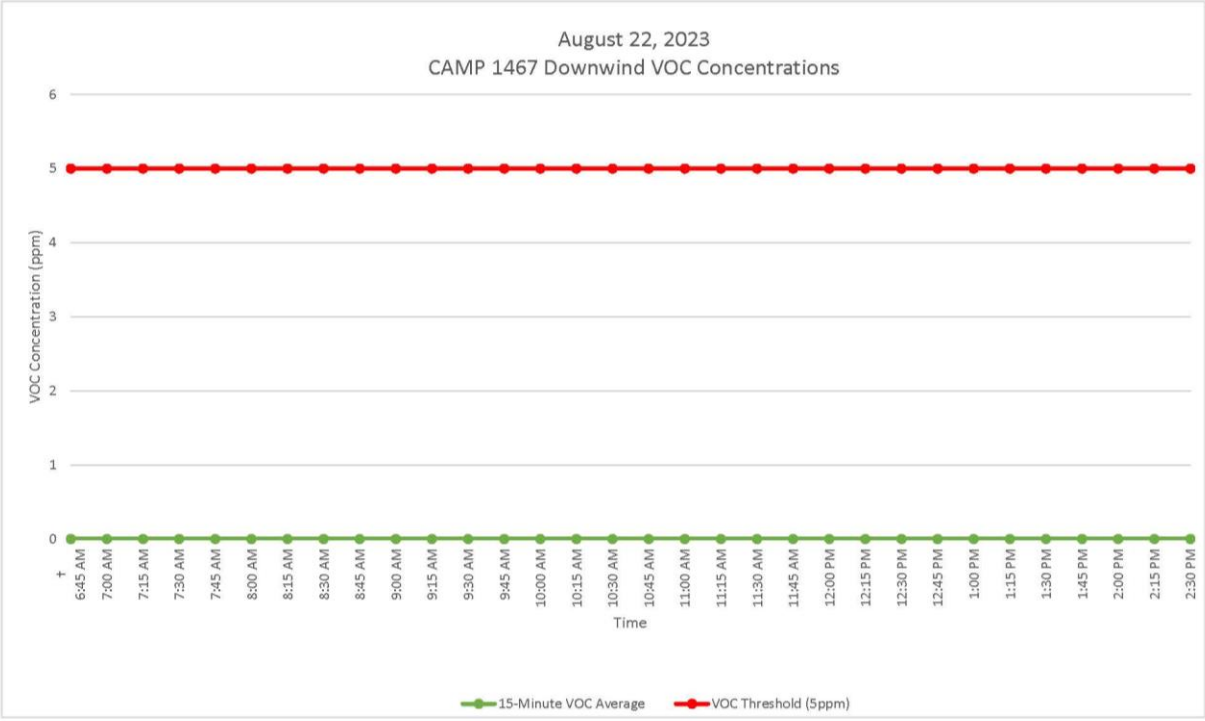




GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 22

DATE: 8/22/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	30	600
Previous	53	1060	221	4,420	274	5,480
Total	**53**	**1060**	**251**	**5,020**	**304**	**6,080**

GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	70.53°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	50.00°F
		MAX WIND SPEED	13 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, August 23, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Soil Solutions	
	Macro Enterprises	
SITE VISITORS:	**NYSDEC**	
	Wendi Zheng	
	GZA	
	Reinbill Maniquez	
	DBI Projects	
	Ricky Gautier	

GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 8/23/2023

Work Location (Attachment A): Grid A2, C1, C3, C4, D2, D3, D4, and D5.

1. Loadout of stockpiled soil excavated from Grids C3 and D3 (0-6 ft bgs). 21 truckloads of soil (approximately 420 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. J&A Concrete continued excavation at grid C3. Excavated soils were backfilled along the eastern portion of D3 for installation of piles.
3. Soil Solutions continued Pile driving in grids C1, D2, and D3.
4. Macro Enterprises continued installation of lagging wall along the SOE in grid D5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.88 ug/m^3
High Conditions – PID: 0.03 ppm, Particulates: 34.43 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED

- 21 trucks of excavated materials were transported offsite to Clean Earth, Carteret, NJ during this monitoring period.

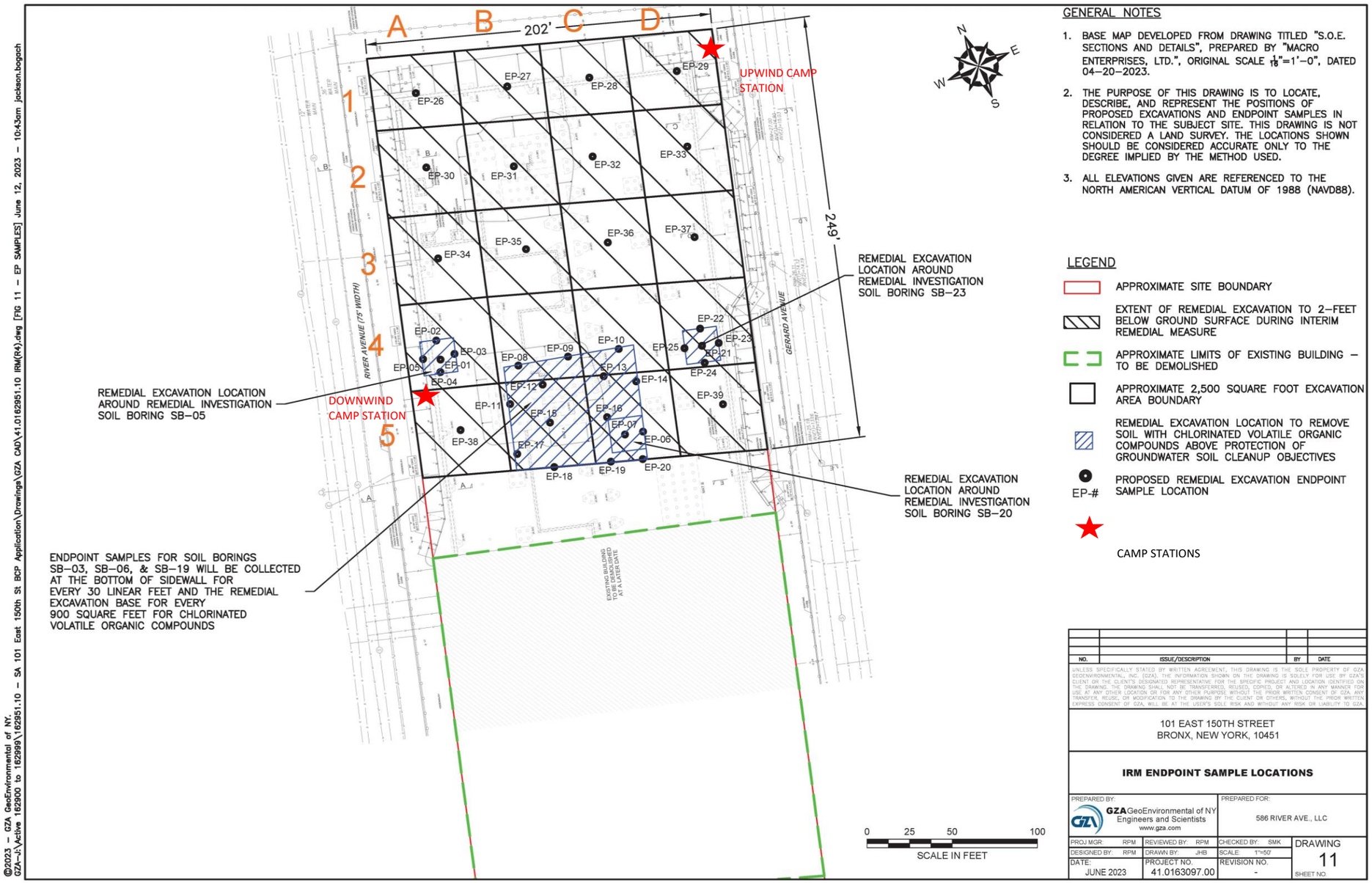
TOTAL CLEAN FILL IMPORTED

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT, OR THE CLIENT'S DESIGNATED REPRESENTATIVE, FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

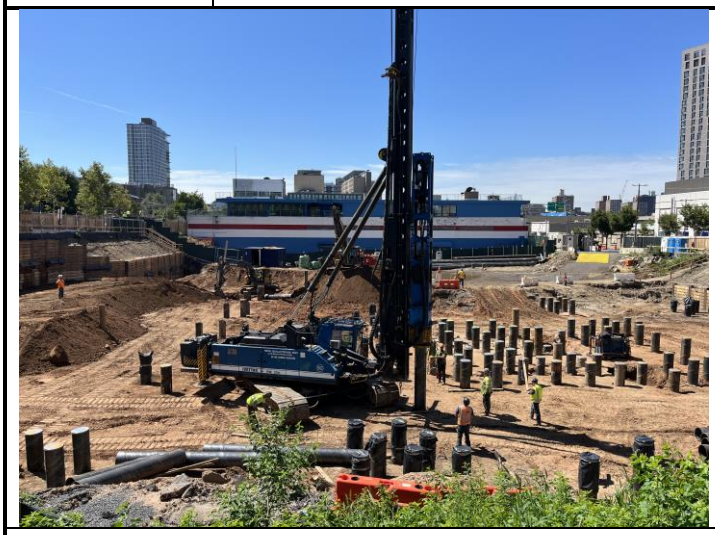
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** North
Description: J&A Concrete loading up trucks with soil for transport to Clean Earth of Carteret.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No.** 4	**Direction Photo Taken** Southwest
			
Description: Soil Solution driving pile at grid C-1.		**Description:** Overview of excavated northern portion of the site.	

GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 23, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

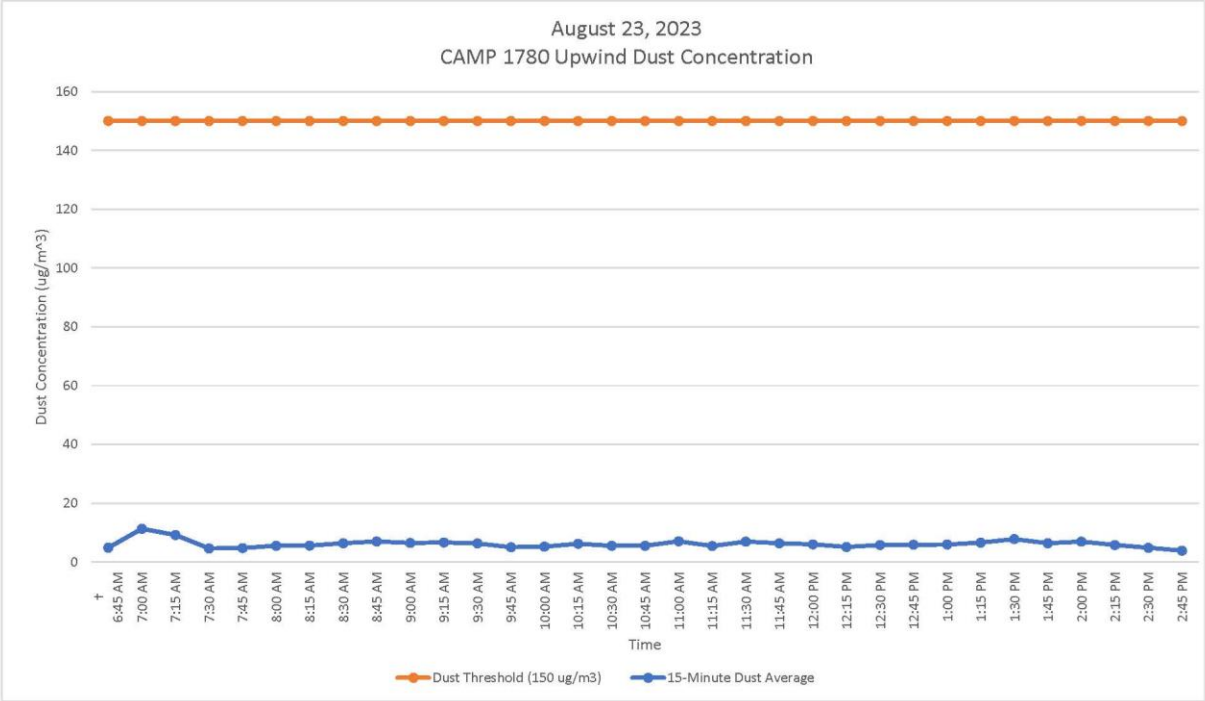
Background Readings:

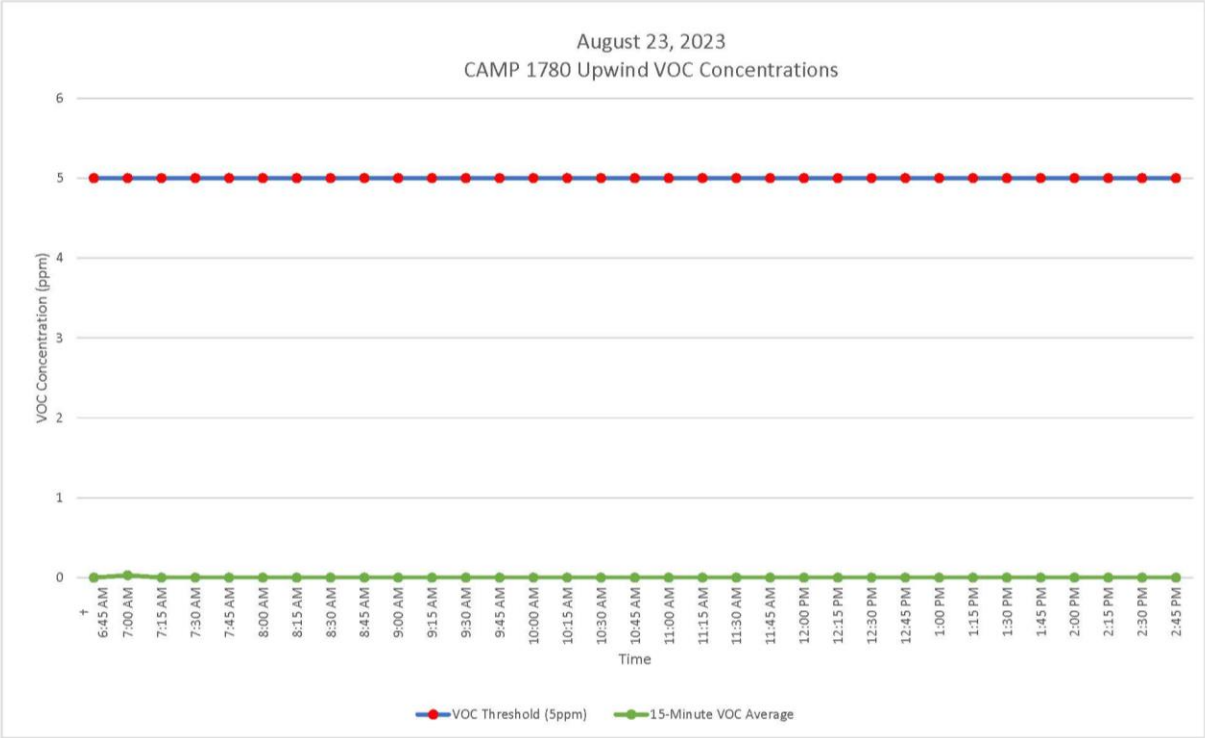
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 4.88
Data Ram 2: 4.75

GZA DAILY FIELD SUMMARY 23

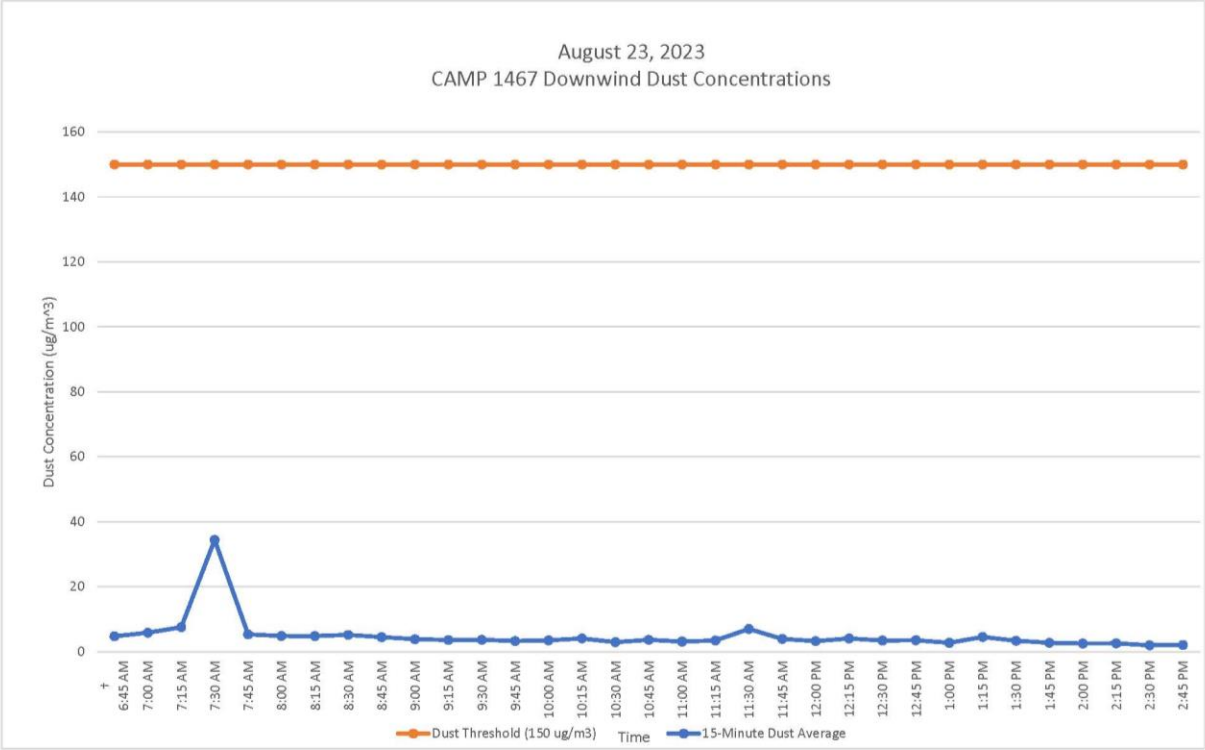
DATE: 8/23/2023
FILE NO: 41.0163097.00

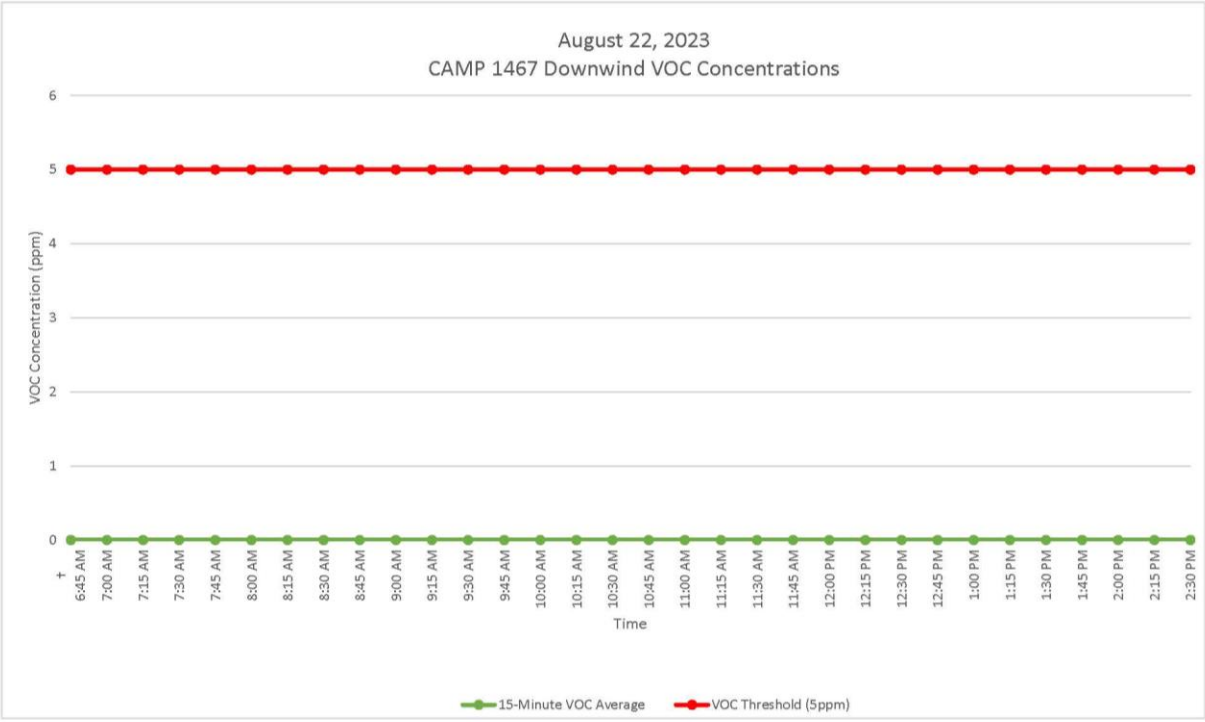




GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 23

DATE: 8/23/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	21	420	21	420
Previous	53	1060	251	5,020	304	6,080
Total	**53**	**1060**	**272**	**5,440**	**325**	**6,500**

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	71.8°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	61.4°F
		MAX WIND SPEED	20 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Material Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, August 24, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 8/24/2023

Work Location (Attachment A): Grid B4, C3, C4, C5, D2, D3, and D5.

1. Soil Solutions continued Pile driving in grids C3, C4, D2, and D3.
2. J&A Concrete performed demolition of asphalt surface at grids C5 and D5.
3. J&A Concrete performed excavation at grid C5. Excavated soils were stockpiled on plastic at grid B5 and covered at the end of the day.
4. Two truckloads of ASTM #2 (2 ½") stones from Stavola Construction Materials, Inc. were delivered and stockpiled in B4 by Shamrock Materials, LLC. The stones were then spread over the truck wash area in grid B4.
5. Loadout of asphalt from grids C5 and D5. 1 truckload of asphalt was transported to Faztec Industries in Staten Island, New York.
6. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.01 ppm, Particulates: 5.76 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 9.78 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

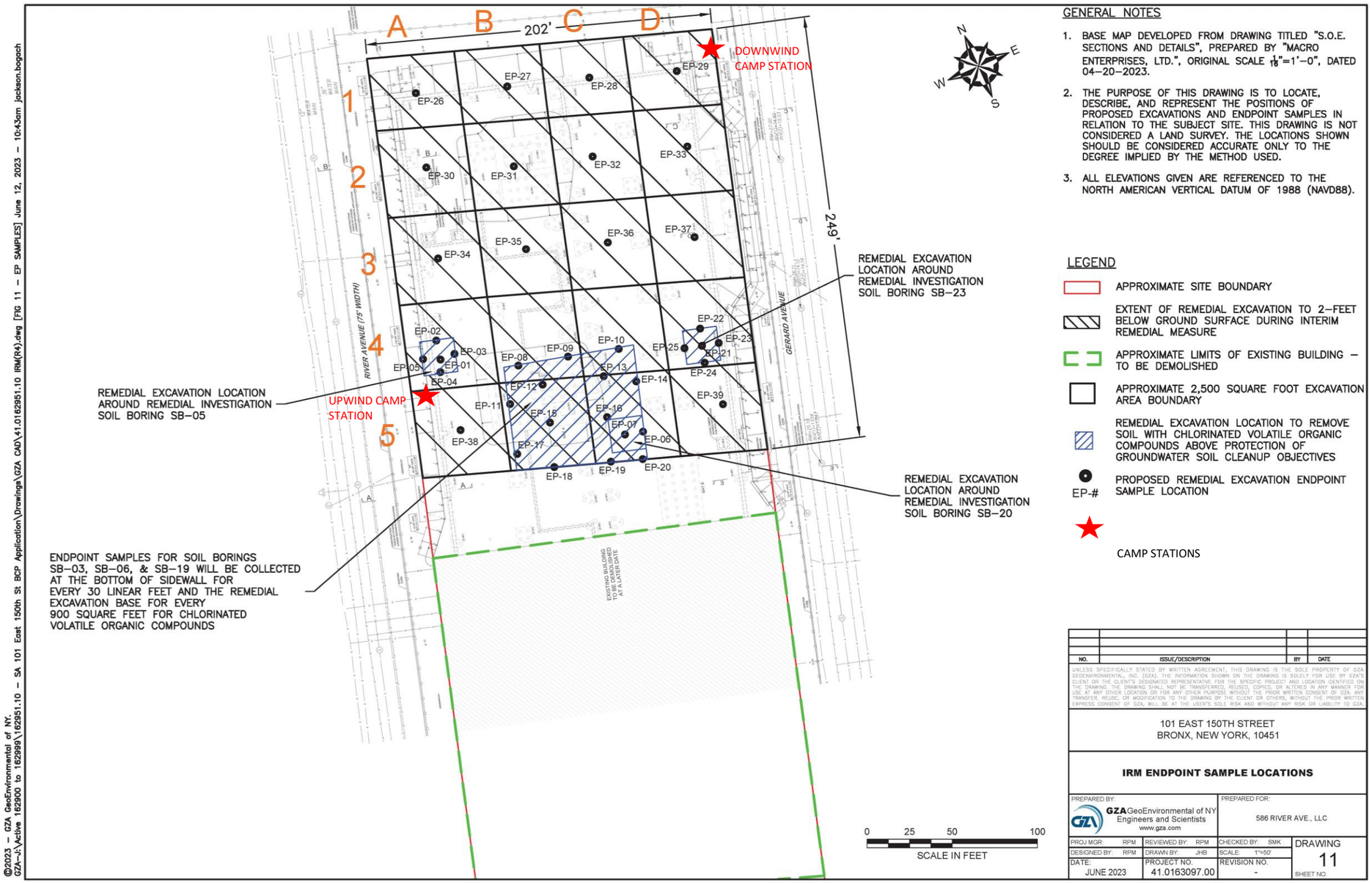
TOTAL CLEAN FILL IMPORTED (Attachment E)

- Two truckloads of ASTM #2 (2 ½") stones from Stavola Construction Materials, Inc., New Jersey were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

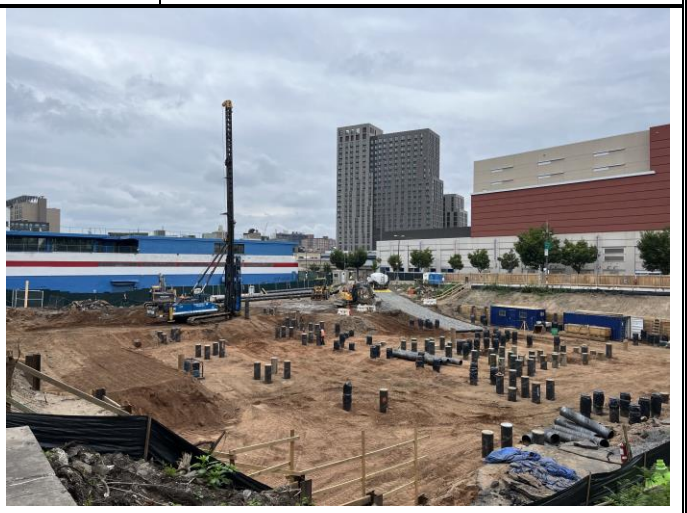
Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Soil Solution driving pile at grid C-3.		**Description:** Delivery of gravel at grid B-4.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** Southeast
Description: J&A loading asphalt into truck for transport off-site.		**Description:** Excavation at grid C5.	

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
5	Southeast	**6**	Southwest

Description: Stockpile being covered at the end of the day.



Description: Overview of Site at the end of the day.

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 24, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

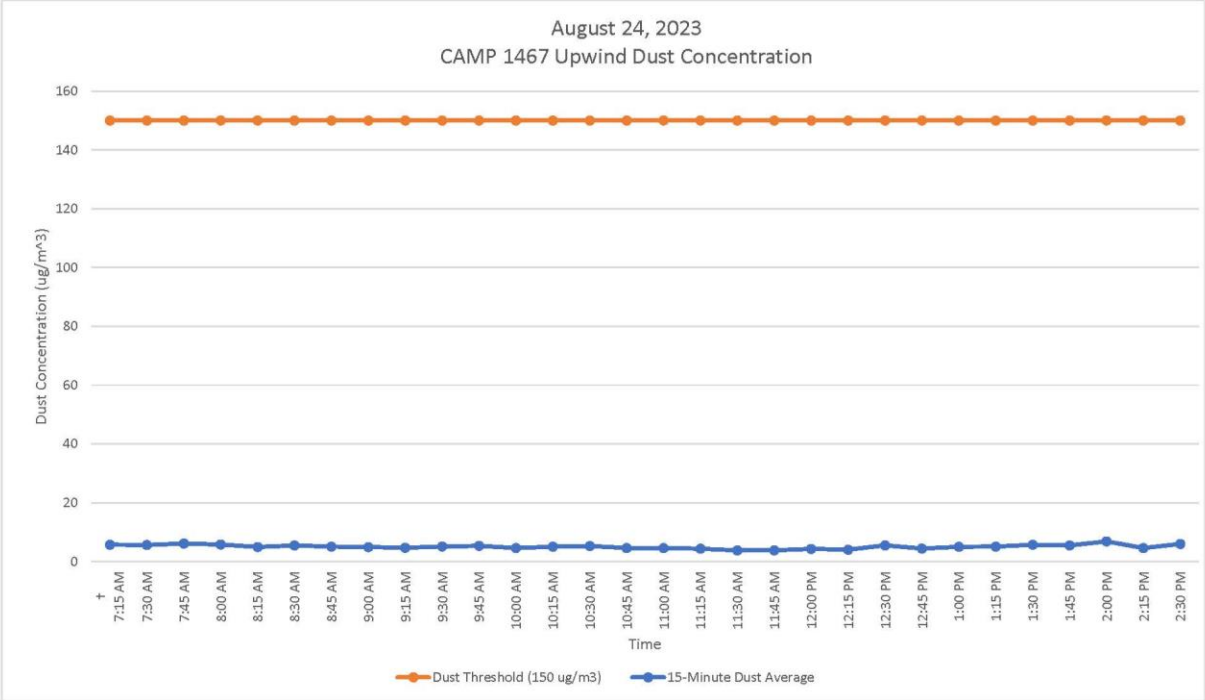
PID 1: 0.0
PID 2: 0.0

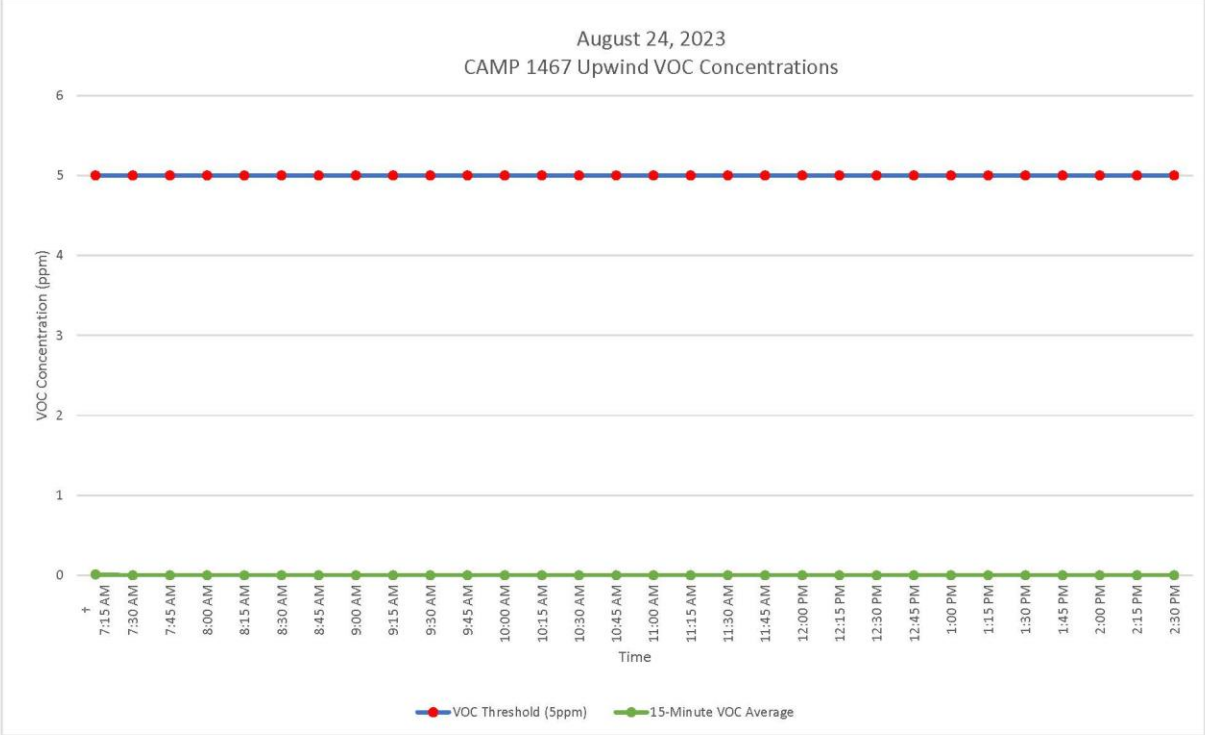
Data Ram 1: 5.76
Data Ram 2: 5.41

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023

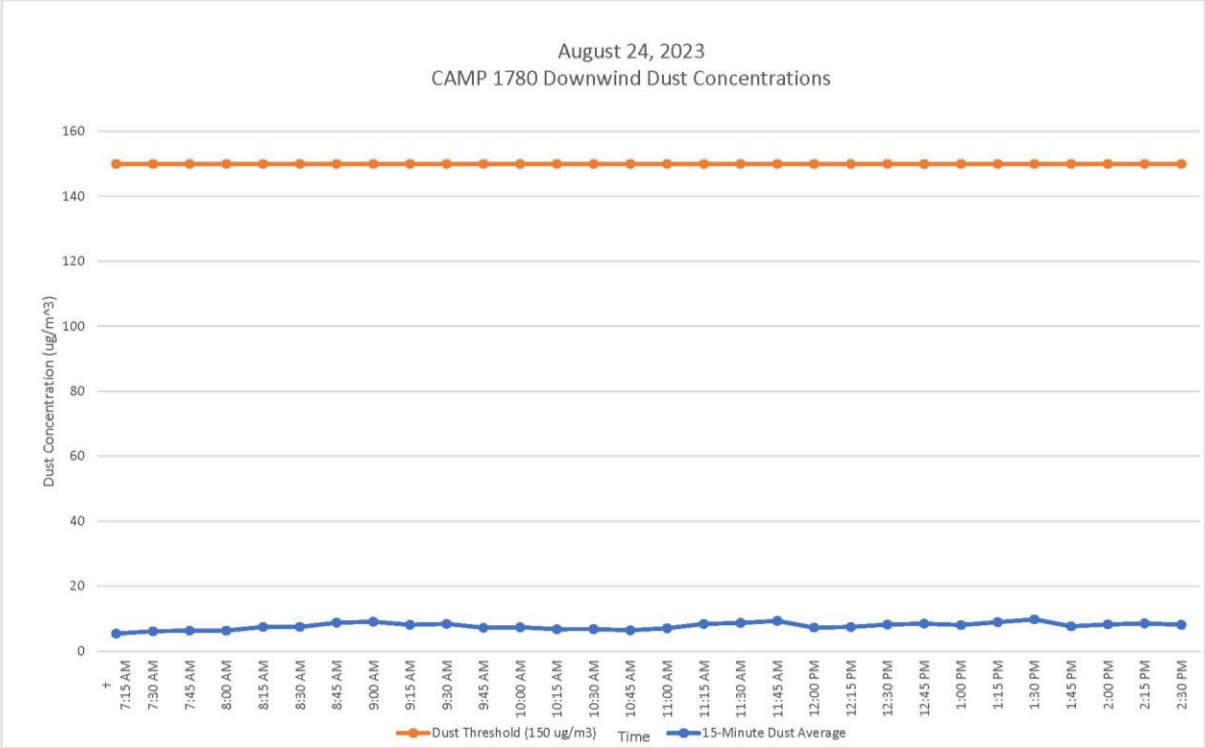
FILE NO: 41.0163097.00

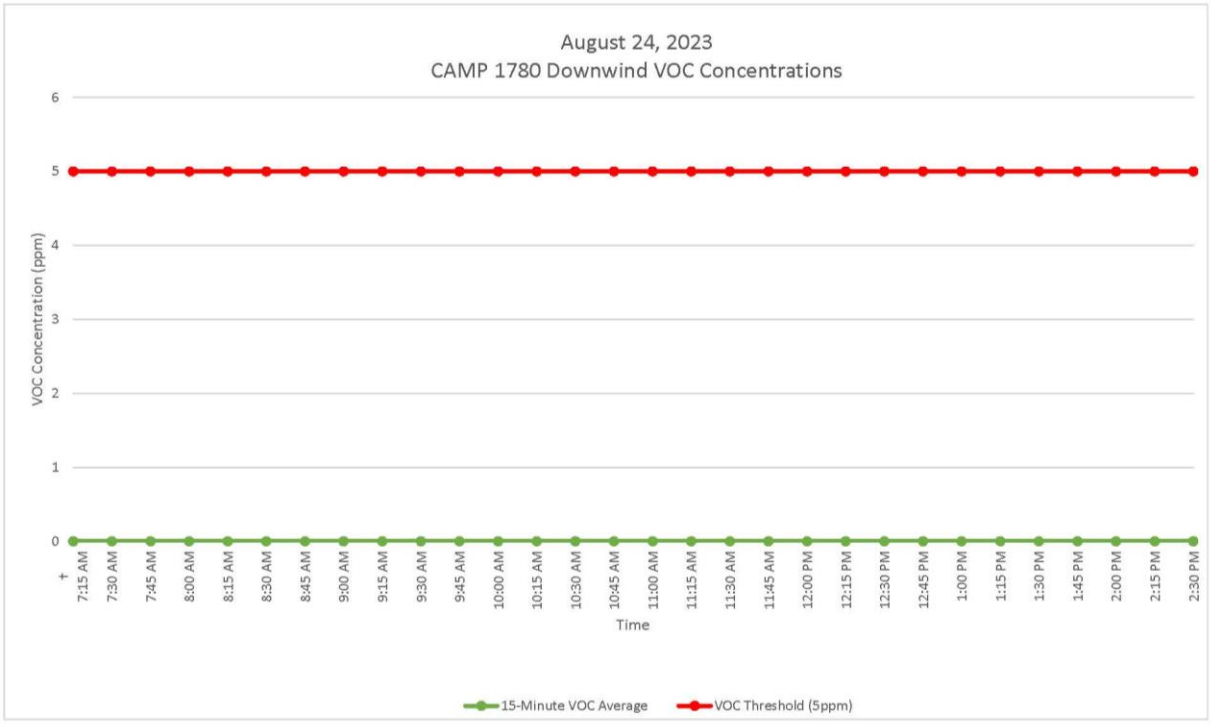




GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	53	1060	272	5,440	325	6,500
Total	**53**	**1060**	**272**	**5,440**	**325**	**6,500**

GZA DAILY FIELD SUMMARY 24

DATE: 8/24/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	2	52.30	2	52.30
Previous	0	0	0	0
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast/Light Rain
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	72.39°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	68.61°F
		MAX WIND SPEED	15 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.44 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, August 25, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 8/25/2023

Work Location (Attachment A): Grid A5, B5, D2, D3, D4 and D5.

1. Soil Solutions continued Pile driving in grids D2, D3 and D4.
2. J&A Concrete performed excavation at grid D5. Excavated soils were stockpiled on plastic at grid D5 and covered at the end of the day.
3. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.
4. Approximately 10 additional piles delivered to the Site and stored in grids A5 and B5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.07 ug/m^3
High Conditions – PID: 0.00 ppm, Particulate 14.44 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

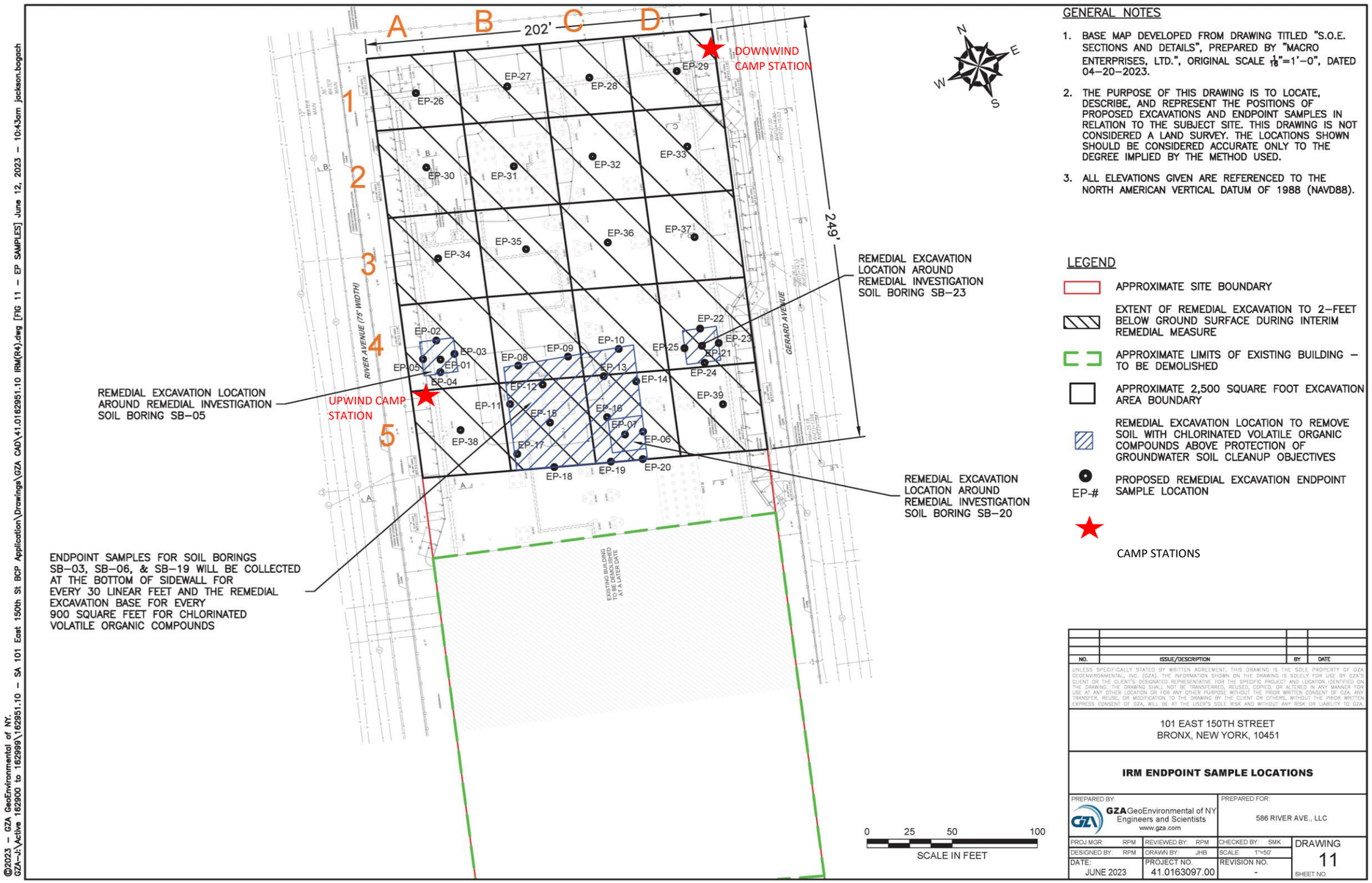
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK		DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'		SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -		

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken Southeast
Description: Soil Solutions driving pile at grid D-3.		**Description:** J&A excavating soil in grid D-5.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No. 4**	**Direction Photo Taken** North
Description: J&A loading C&D debris into truck for transport off-Site.		**Description:** Additional piles being delivered to the Site.	

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
5	Southeast	**6**	Southwest
Description: Stockpiles covered at end of the day.		**Description:** Overview of Site at the end of the day.	

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 25, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

PID 1: 0.0
PID 2: 0.0

Data Ram 1: 9.07
Data Ram 2: 8.63

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

101 E 150th St
Interim Remedial Measure
Air Monitoring Logs
August 25, 2023

CAMP 1780 Upwind CAMP Station			CAMP 1467 Downwind CAMP Station		
Time	Dust - 15 min Average (ug/m3)	VOCs - 15 min Average (ppm)	Time	Dust - 15 min Average (ug/m3)	VOCs - 15 min Average (ppm)
7:00 AM †	8.485	0.00	7:00 AM †	9.432	0.00
7:15 AM	5.326	0.00	7:15 AM	8.591	0.00
7:30 AM	5.817	0.00	7:30 AM	7.406	0.00
7:45 AM	6.066	0.00	7:45 AM	5.893	0.00
8:00 AM	8.158	0.00	8:00 AM	7.219	0.00
8:15 AM	10.110	0.00	8:15 AM	6.804	0.00
8:30 AM	9.803	0.00	8:30 AM	7.409	0.00
8:45 AM	10.024	0.00	8:45 AM	8.475	0.00
9:00 AM	11.348	0.00	9:00 AM	8.061	0.00
9:15 AM	10.601	0.00	9:15 AM	7.101	0.00
9:30 AM	7.856	0.00	9:30 AM	6.598	0.00
9:45 AM	7.464	0.00	9:45 AM	7.835	0.00
10:00 AM	7.336	0.00	10:00 AM	7.426	0.00
10:15 AM	7.620	0.00	10:15 AM	7.650	0.00
10:30 AM	9.122	0.00	10:30 AM	7.407	0.00
10:45 AM	11.306	0.00	10:45 AM	7.682	0.00
11:00 AM	9.120	0.00	11:00 AM	8.089	0.00
11:15 AM	11.514	0.00	11:15 AM	8.781	0.01
11:30 AM	12.887	0.00	11:30 AM	8.542	0.00
11:45 AM	14.373	0.00	11:45 AM	8.149	0.00
12:00 PM	12.721	0.00	12:00 PM	6.817	0.00
12:15 PM	14.442	0.00	12:15 PM	7.257	0.00
12:30 PM	12.837	0.00	12:30 PM	8.075	0.00
12:45 PM	12.579	0.00	12:45 PM	8.441	0.00
1:00 PM	13.674	0.00	1:00 PM	8.300	0.00
1:15 PM	12.010	0.00	1:15 PM	8.752	0.00
1:30 PM	12.308	0.00	1:30 PM	8.406	0.00
1:45 PM	10.988	0.00	1:45 PM	8.510	0.00
2:00 PM	12.016	0.00	2:00 PM	9.460	0.00
2:15 PM	12.818	0.00	2:15 PM	9.639	0.00

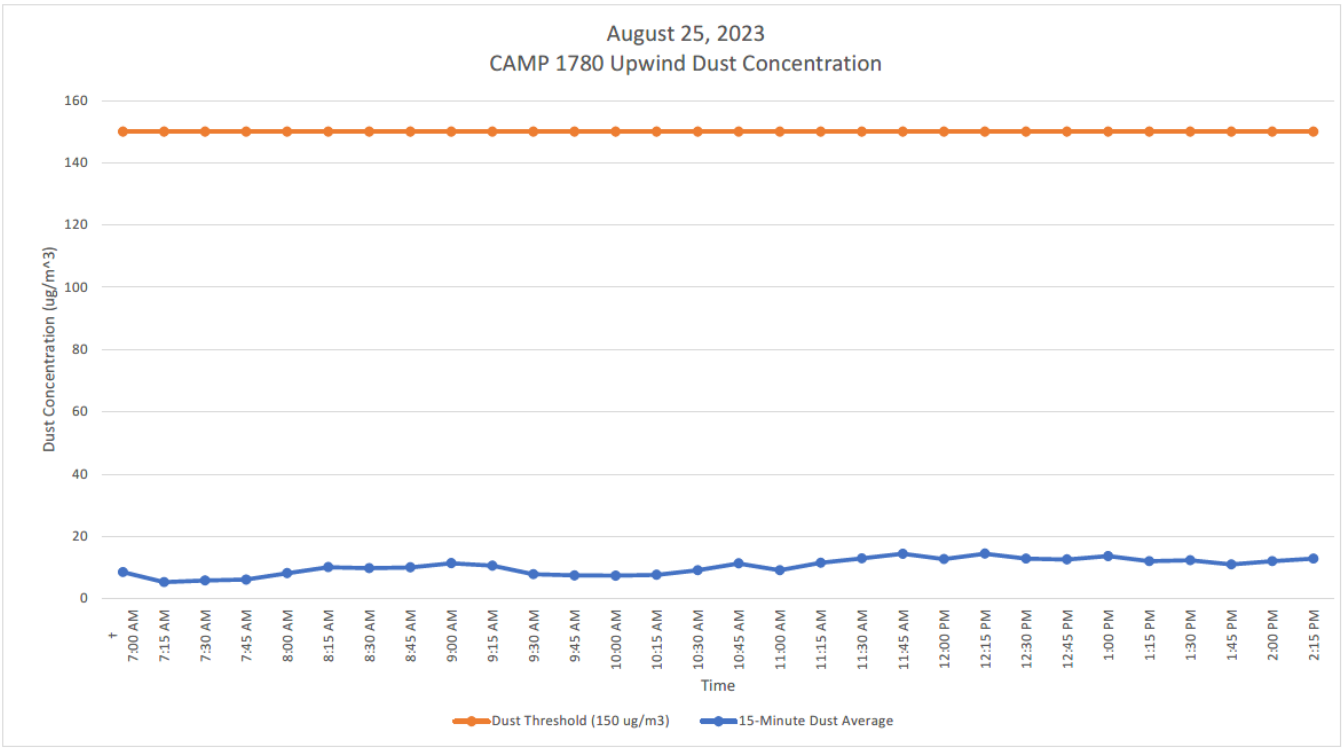
NOTE

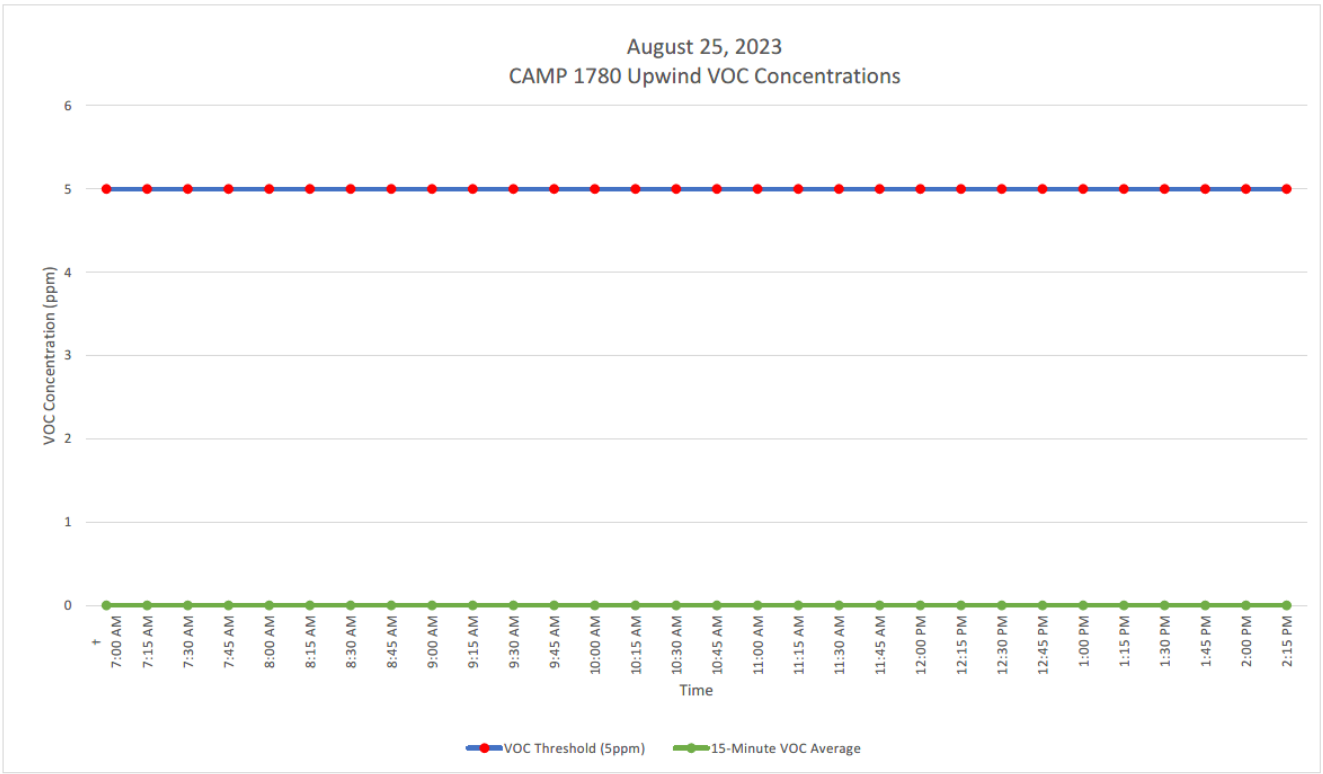
† Not a 15-minute time weighted average.

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023

FILE NO: 41.0163097.00

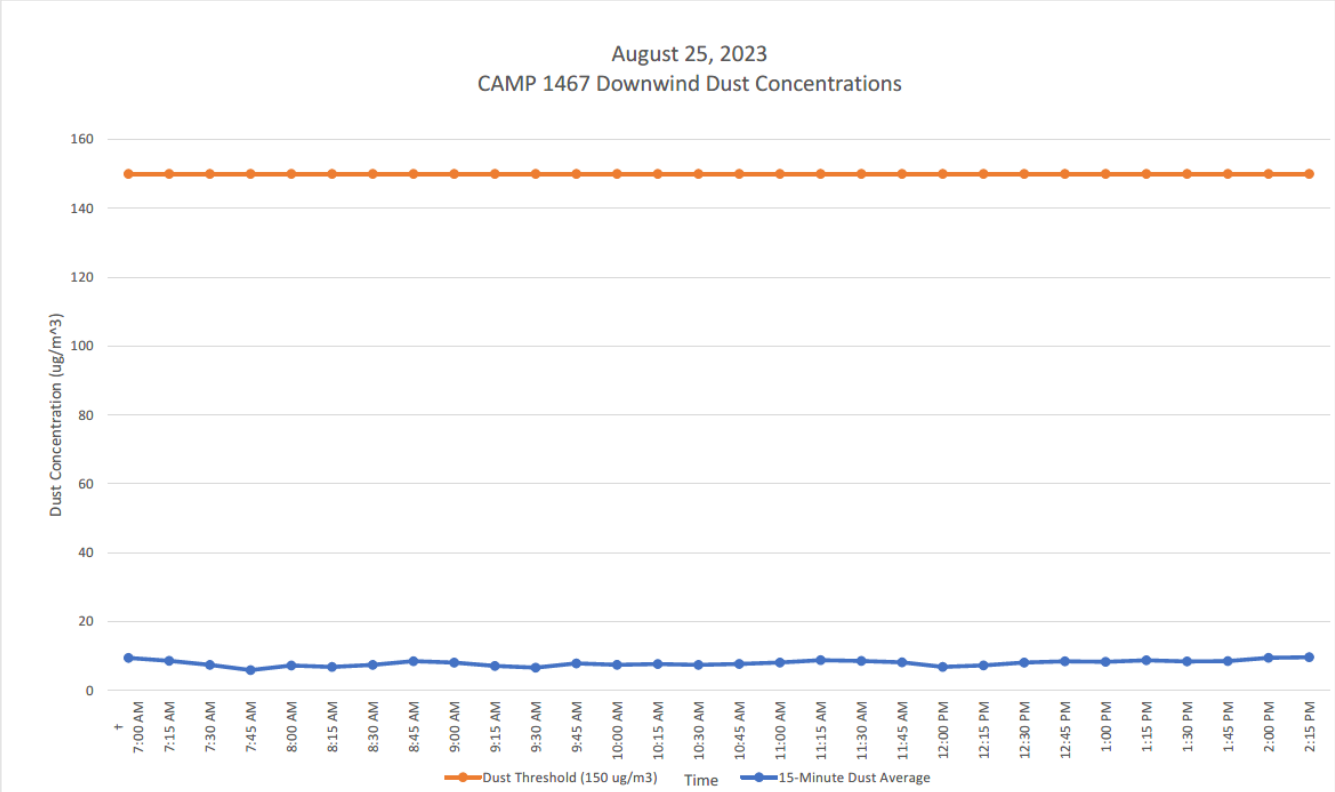


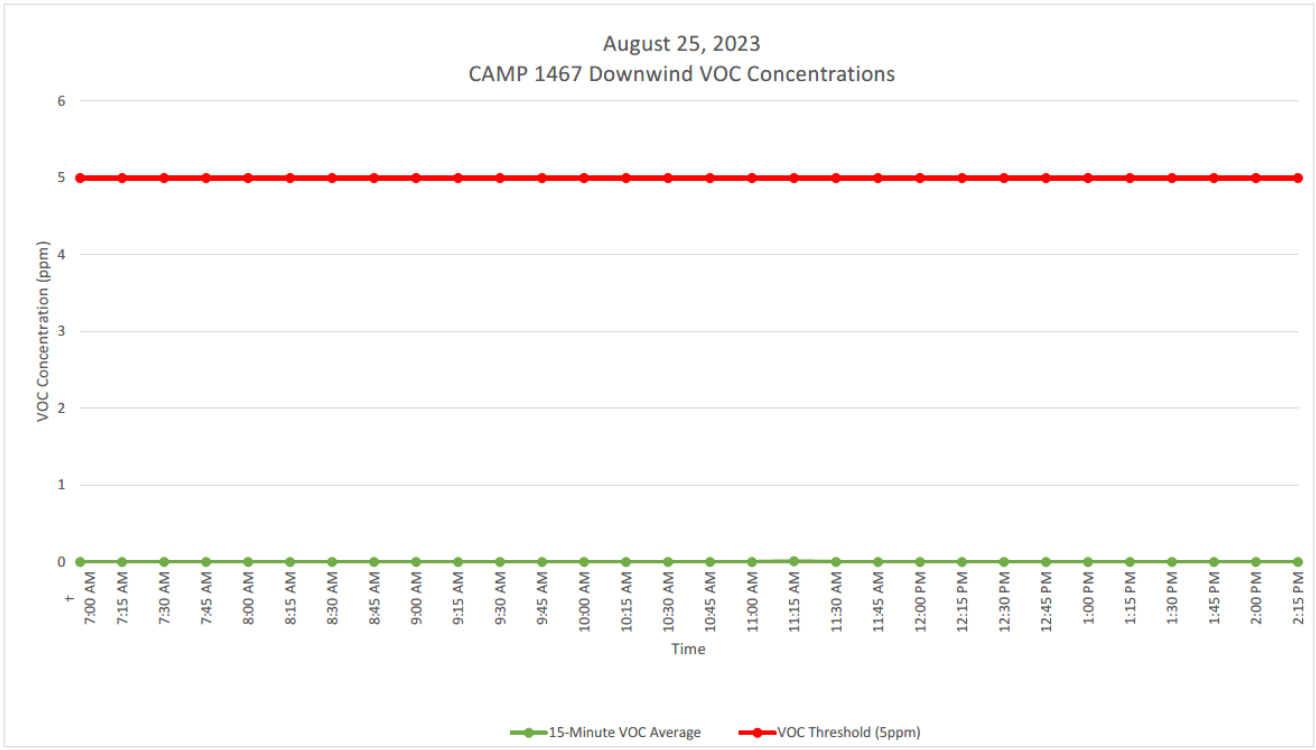


GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0
Previous	53	1060	272	5,440	325	6,500
Total	**53**	**1060**	**272**	**5,440**	**325**	**6,500**

GZA DAILY FIELD SUMMARY 25

DATE: 8/25/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	73.38°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	64.67°F
		MAX WIND SPEED	12 mph from ESE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Material Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, August 28, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 8/28/2023

Work Location (Attachment A): Grid A5, B2, B5, C5, D2, D3, and D5.

1. Loadout of stockpiled soil excavated from Grids C5 (0-5 ft bgs) and D5 (0-3 ft bgs).
   1 truckload of soil (approximately 20 cubic yards) was transported to Clean Earth of North Jersey, New Jersey.
   11 truckloads of soil (approximately 220 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
   5 truckloads of soil (approximately 100 cubic yards) were transported to PPark in Prospect Park, New Jersey.
2. Excavation of soil from D5 and stockpiling in C5. Excavated soils were covered at the end of the day.
3. Soil Solutions continued Pile driving in grids B2, D2, and D3.
4. Approximately 10 additional piles delivered to the Site and stored in grids A5 and B5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 11.44 ug/m^3
High Conditions – PID: 3.35 ppm, Particulates: 14.59 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 1 truck of excavated materials was transported to Clean Earth of North Jersey, NJ.
- 11 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.
- 5 trucks of excavated materials were transported to PPark in Prospect Park, NJ.

TOTAL CLEAN FILL IMPORTED (Attachment E)

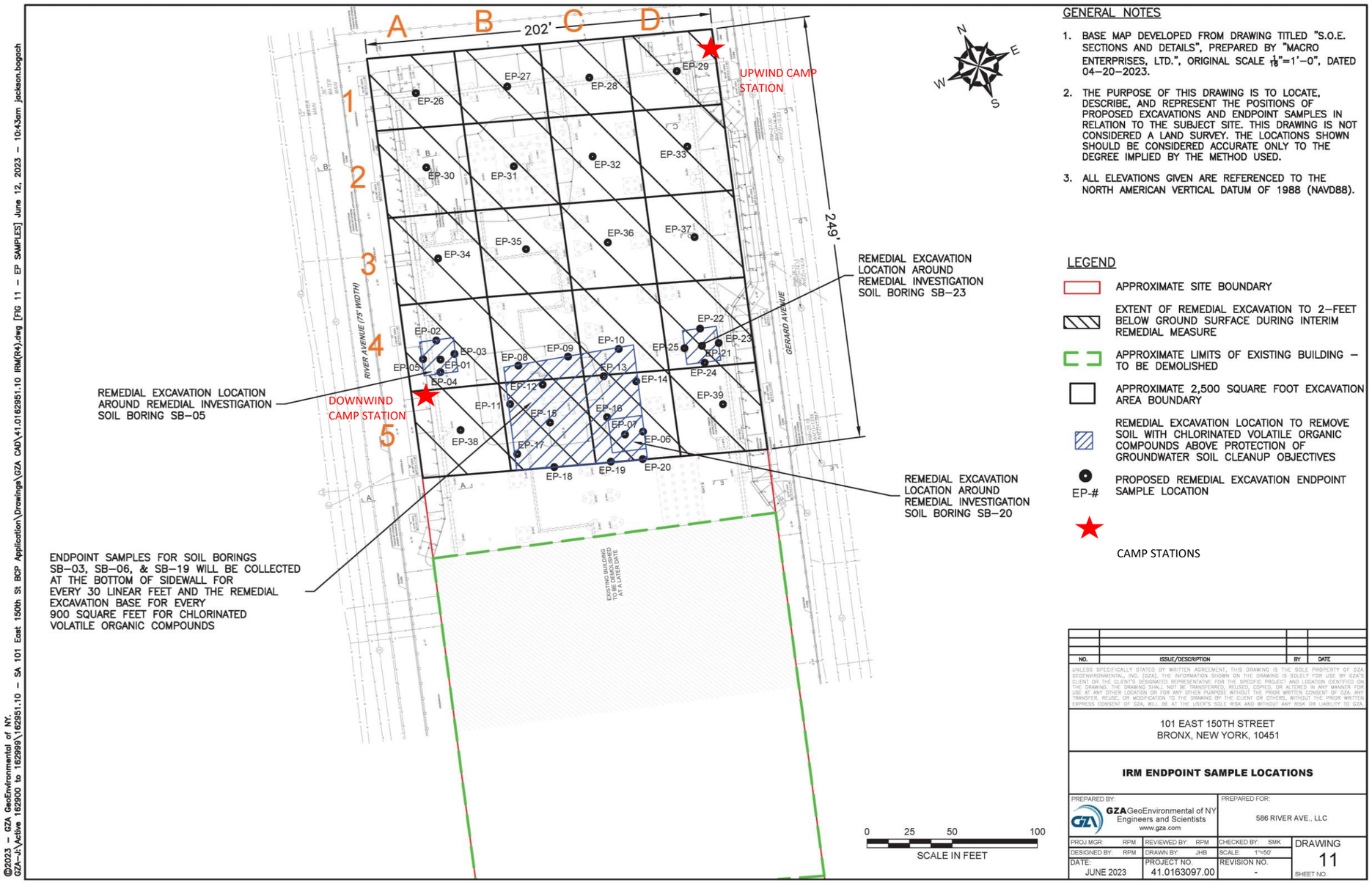
- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023

FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/8"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT, OR THE CLIENT'S DESIGNATED REPRESENTATIVE, FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

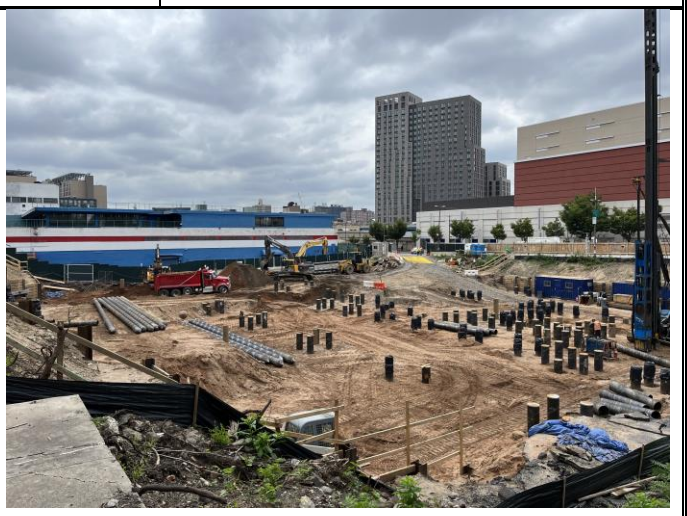
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 26

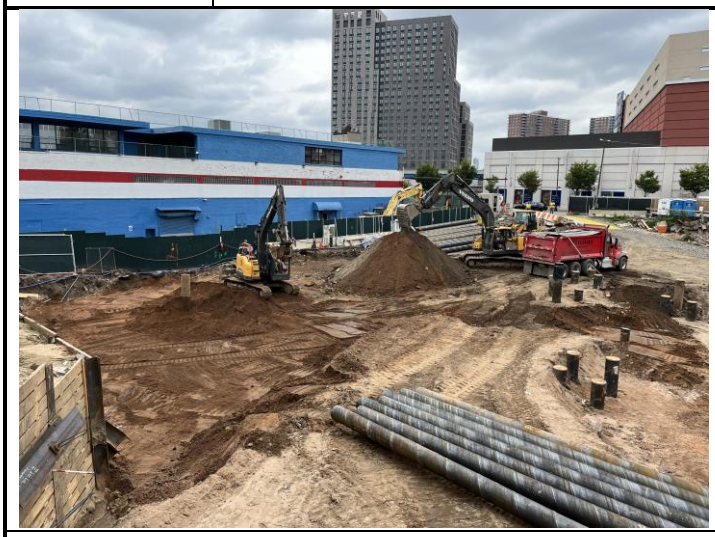
DATE: 8/28/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** North
Description: J&A Concrete loading up trucks with soil for transport to disposal facilities.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** Southwest
			
Description: Soil Solution driving pile at grid D-2.		**Description:** Overview of Site towards the end of the day.	

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

Photo No. 5	Direction Photo Taken: Southwest	Photo No. 6	Direction Photo Taken Northeast
			
Description: Overview of excavated southeastern portion of the site.		**Description:** Stockpile covered at the end of the day.	

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 28, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

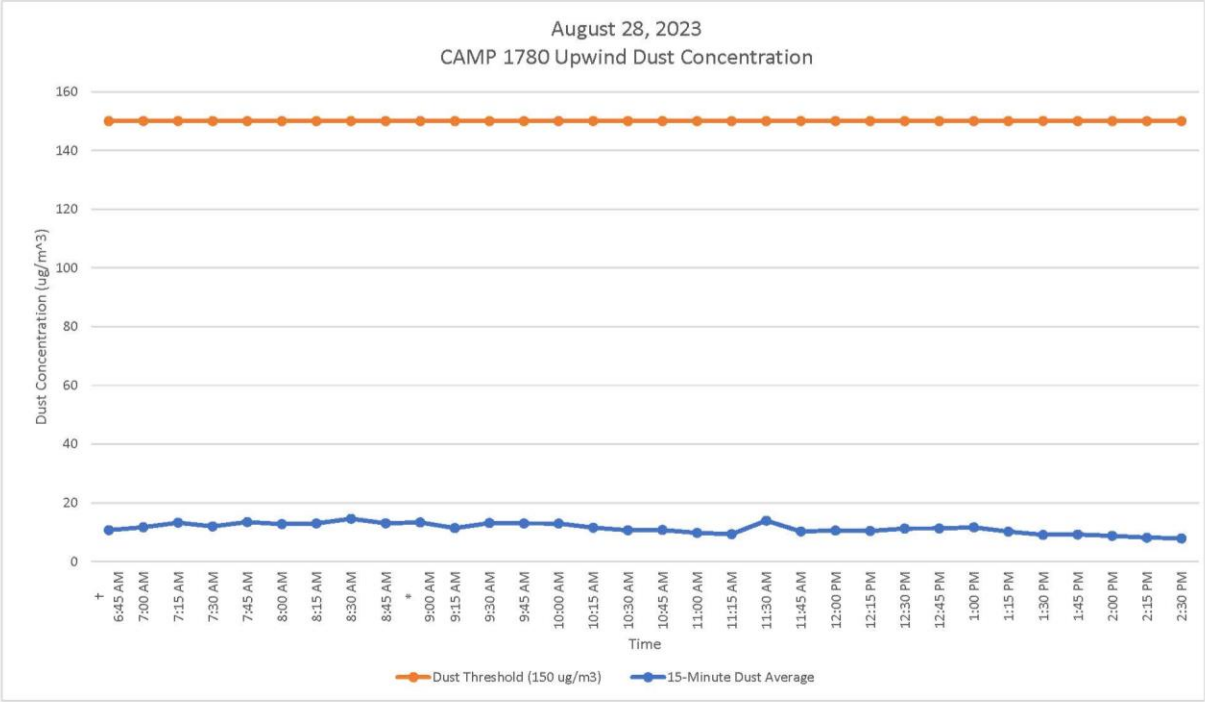
Background Readings:
PID 1: 0.0
PID 2: 0.0

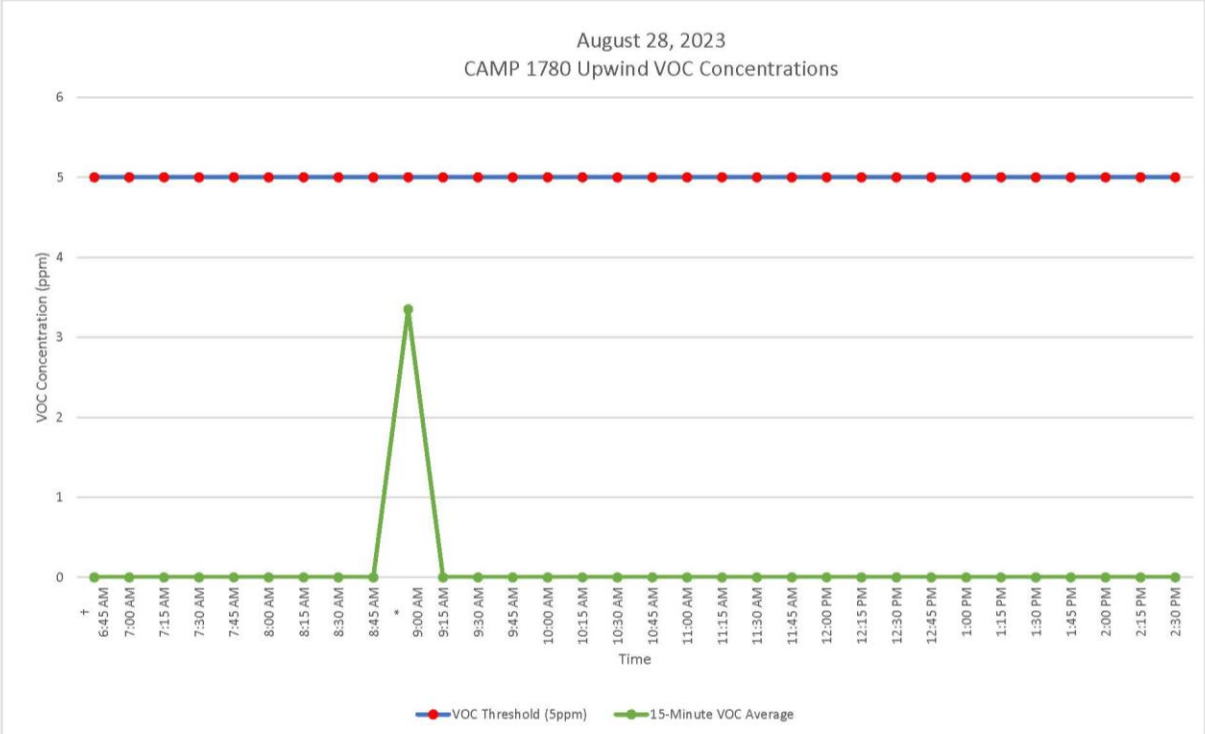
Data Ram 1: 10.72
Data Ram 2: 11.44

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023

FILE NO: 41.0163097.00

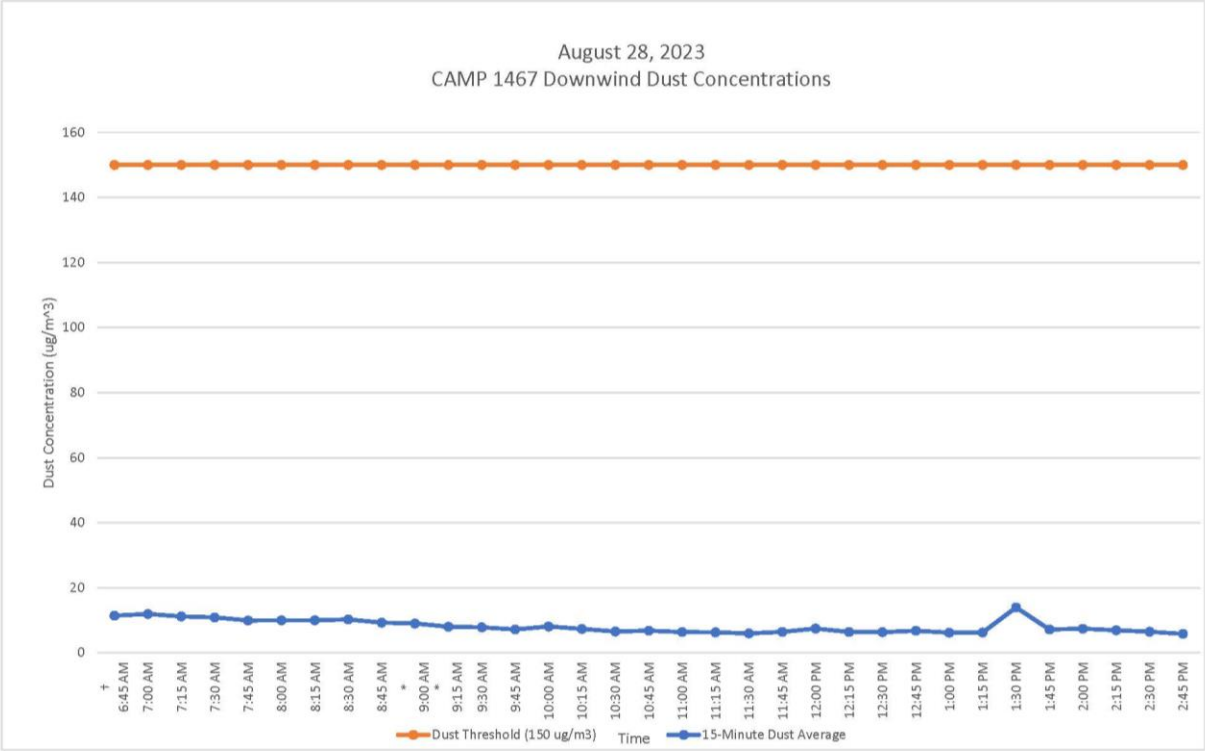


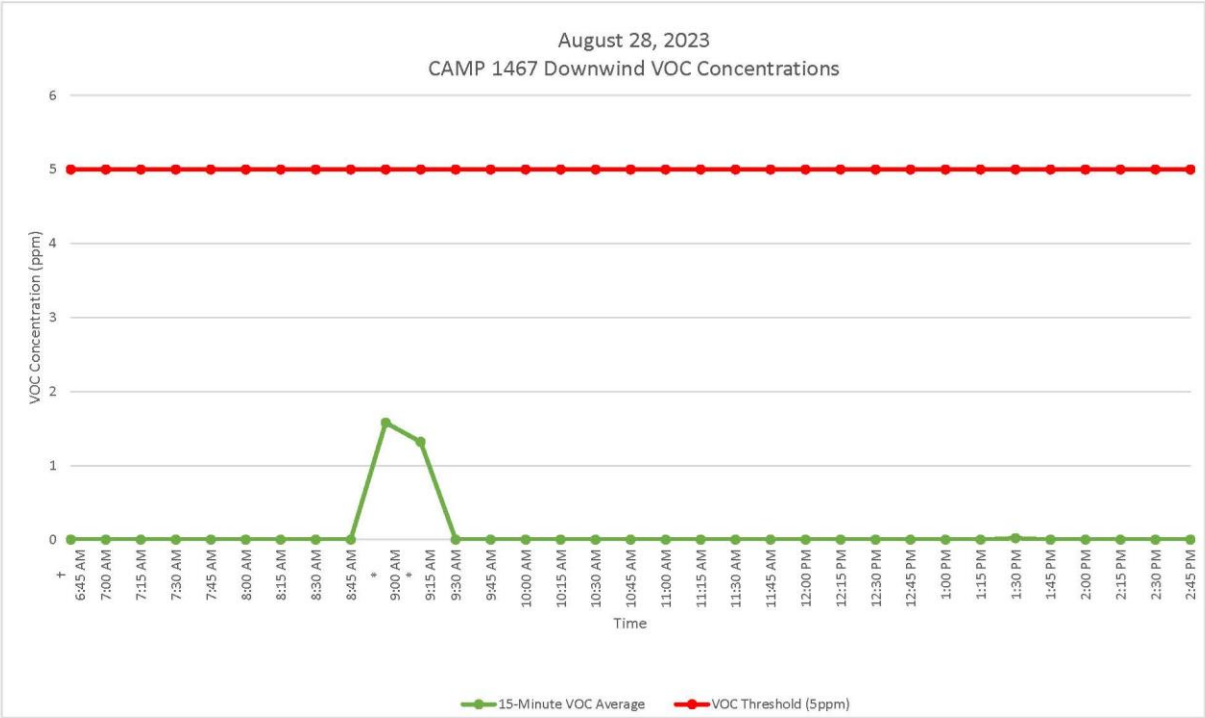


GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	5	100	11	220	1	20	17	340
Previous	53	1060	272	5,440	0	0	325	6,500
Total	**58**	**1160**	**283**	**5,660**	**1**	**20**	**342**	**6,840**

GZA DAILY FIELD SUMMARY 26

DATE: 8/28/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	71.73°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	65.32°F
		MAX WIND SPEED	14 mph from ENE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Material Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, August 29, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Soil Solutions	
	Cousin Metals Inc.	
	Independence Carting	
SITE VISITORS:	**J&A Concrete**	
	Antonio Martins	

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 8/29/2023

Work Location (Attachment A): Grid A4, A5, B5, C3, C4, C5, D2, D3, D4, and D5

1. Loadout of stockpiled soil excavated from Grids C4 and C5 (0-3 ft bgs) as well as C4, D5, D4 and D5 (3-5 ft bgs). 15 truckloads of soil (approximately 300 cubic yards) were transported to Clean Earth of Carteret, New Jersey. 9 truckloads of soil (approximately 180 cubic yards) were transported to PPark of Prospect Park, New Jersey.
2. Soil Solutions continued Pile driving in grids C3 and D5.
3. Demolition of portions of the old foundation wall at grids B5 and C5. Demolition debris was stockpiled at grid B5 before loaded onto a roll-off container for transport offsite.
4. Relocation of piles stored in grids A5 and B5 to grids D2 and D3.
5. J&A backfilled the western section of grid A4 with soil from grid D4 (0-3 ft bgs) in preparation for dewatering.
6. Cousins Metal Industries Inc. transported one roll-off container of cut piles off-Site.
7. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.88 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 12.01 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 15 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.
- 9 trucks of excavated materials were transported to PPark in Prospect Park, NJ.

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

TOTAL CLEAN FILL IMPORTED (Attachment E)

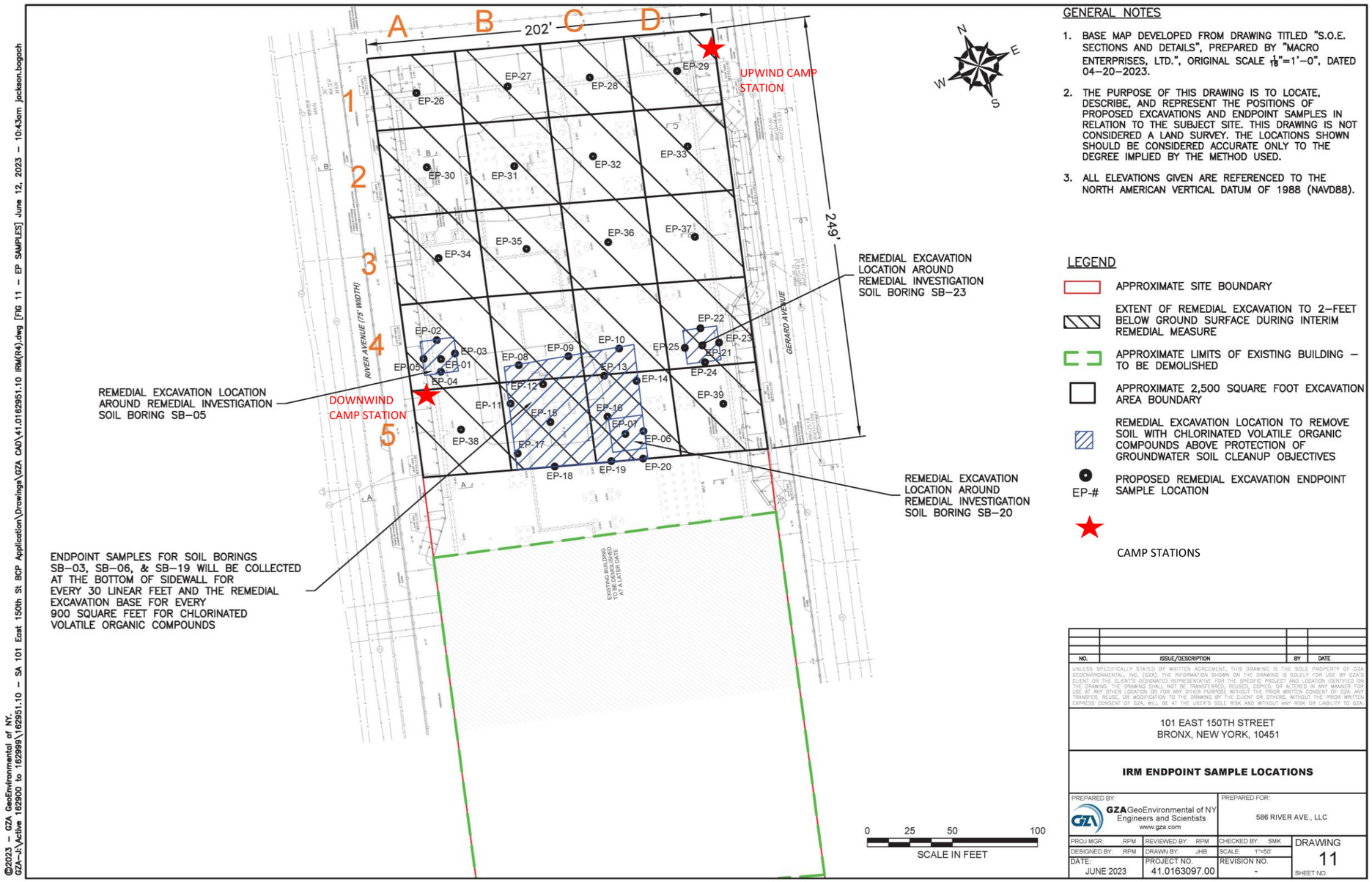
- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023

FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 27

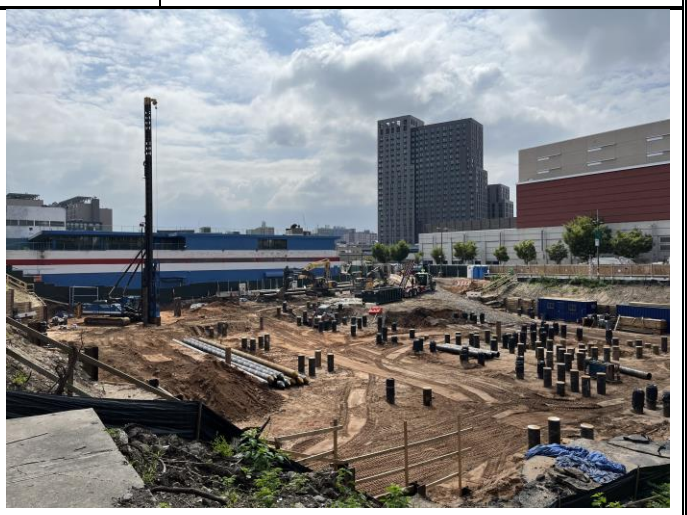
DATE: 8/29/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken North
Description: J&A Concrete loading trucks with soil for transport to disposal facilities.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No. 4**	**Direction Photo Taken** Northwest
Description: Soil Solution driving pile at grid D-5.		**Description:** Backfilling on the western section of grid A-4.	

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

Photo No. 5	Direction Photo Taken: Southeast	Photo No. 6	Direction Photo Taken Southwest
			
Description: Demolition debris loaded onto a roll-off container for transport offsite.		**Description:** Overview of Site towards the end of the day.	

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 29, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

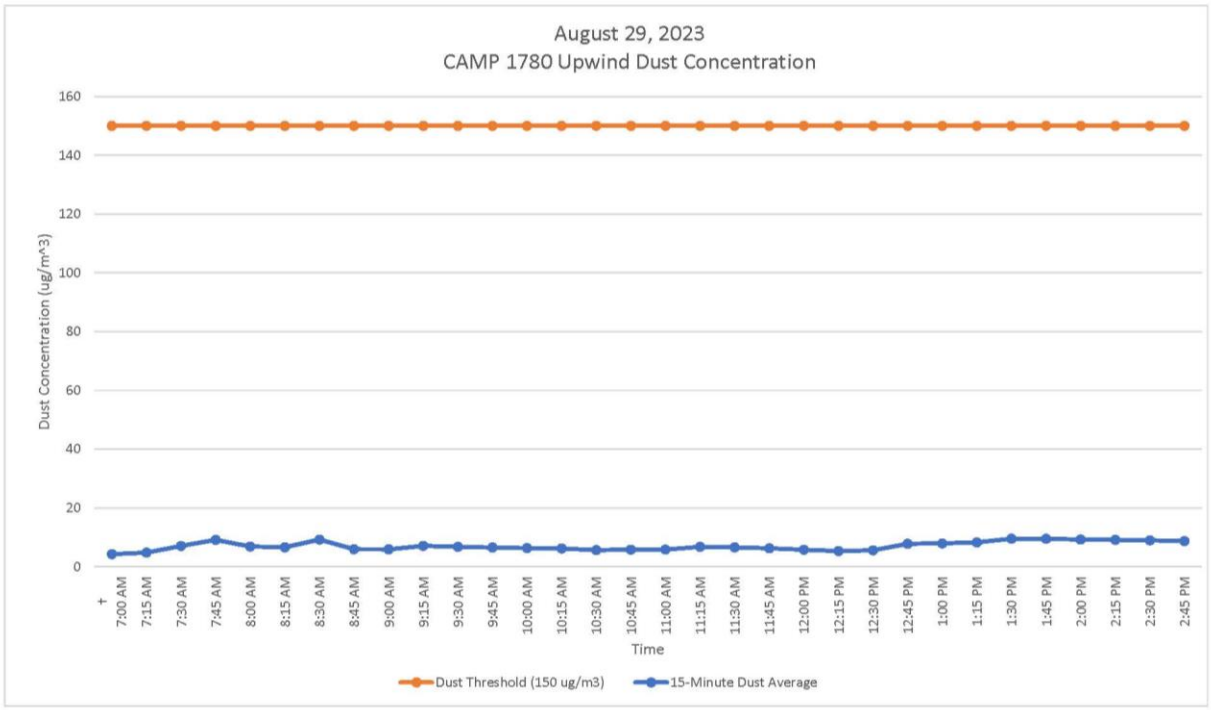
Background Readings:
PID 1: 0.0
PID 2: 0.0

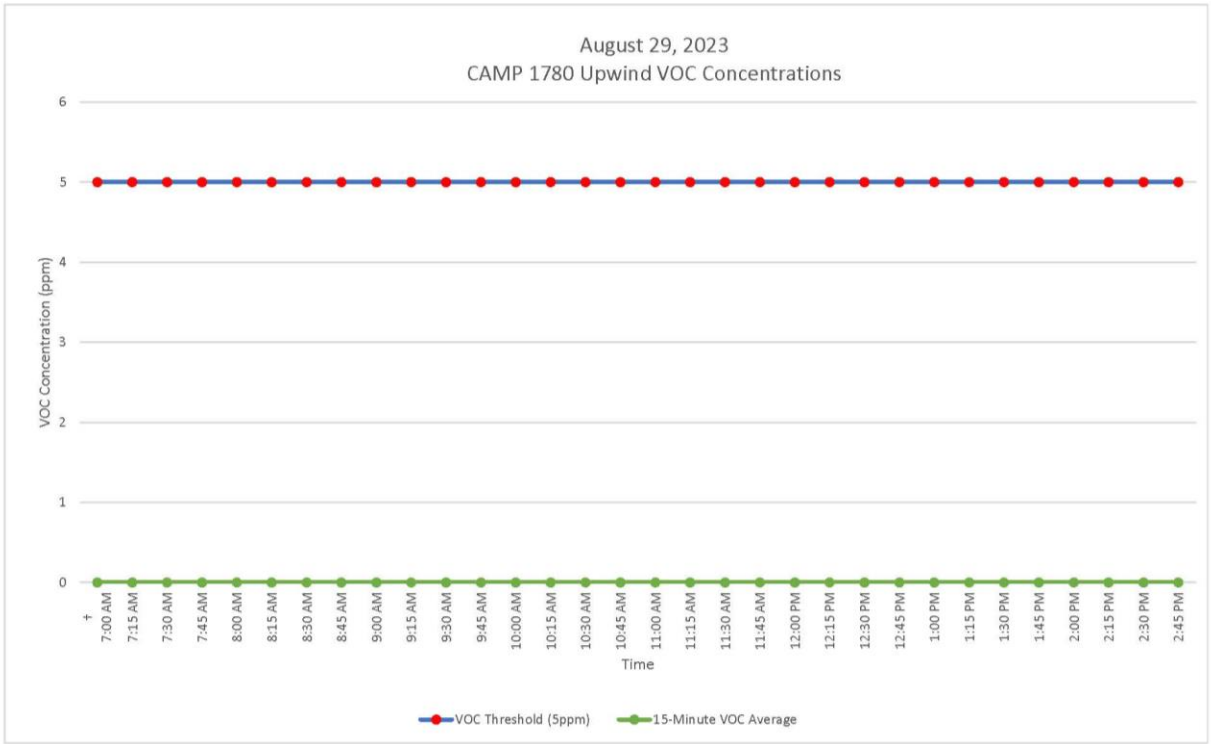
Data Ram 1: 4.29
Data Ram 2: 4.88

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023

FILE NO: 41.0163097.00

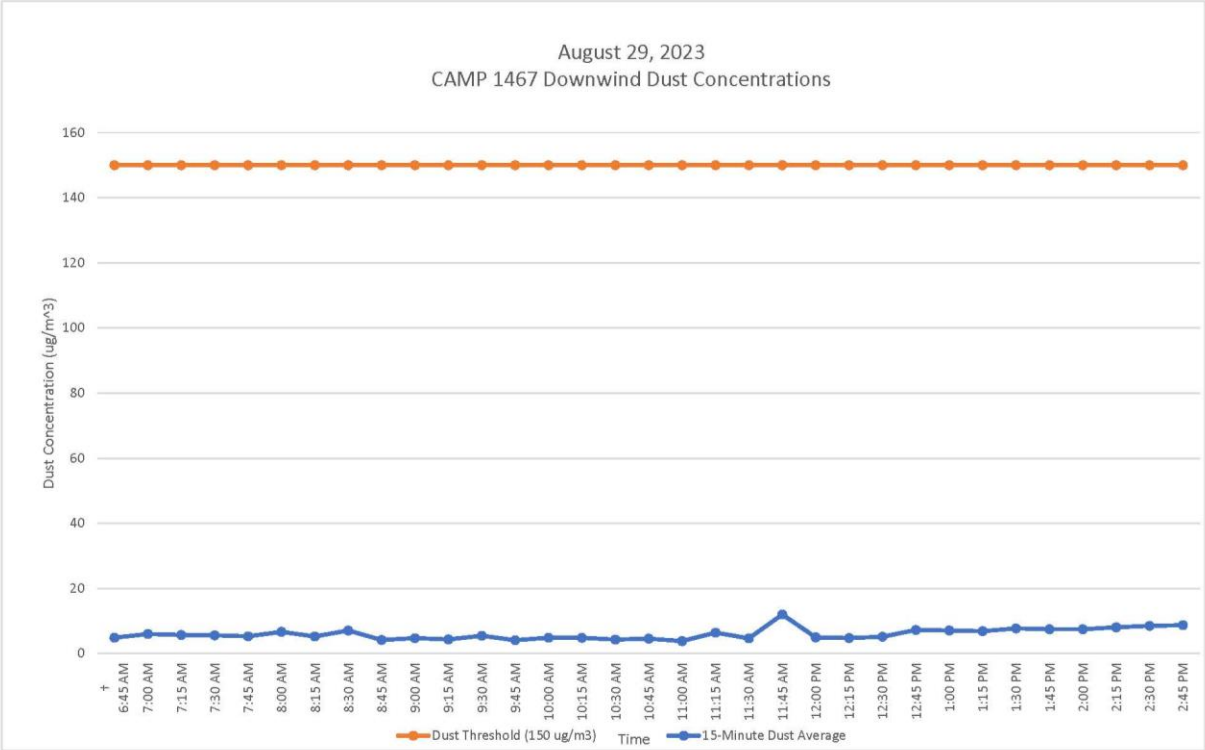


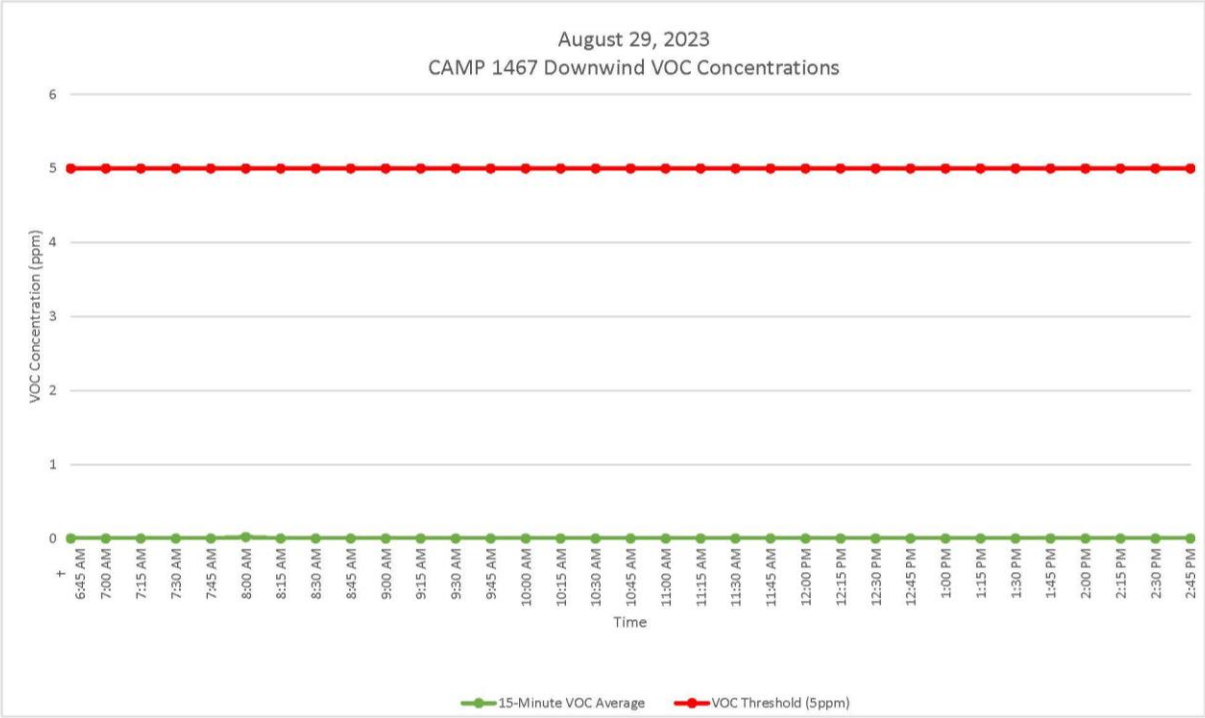


GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	9	180	15	300	0	0	24	480
Previous	58	1160	283	5,660	1	20	342	6,840
Total	**67**	**1,340**	**298**	**5,960**	**1**	**20**	**366**	**7,320**

GZA DAILY FIELD SUMMARY 27

DATE: 8/29/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy/Light Rain
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	74.9°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	68.67°F
		MAX WIND SPEED	16 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Material Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, August 30, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**PT Consultants**	
	Soil Solutions	
	Independence Carting Inc.	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 8/30/2023

Work Location (Attachment A): Grid A1, C1, C2, A5, B1, B4, B5, C1, C2, C5, D1, D2, and D3.

1. Loadout of soil from Grids B5 and C5 (0-3 ft bgs) as well as soil from Grid C3 previously stockpiled along the eastern portion of Grid D3. 30 truckloads of soil (approximately 600 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. Relocation of piles stored in grids A5 and B5 to grids A1, B1, C1, C2, D1, and D2.
3. Demolition of portions of an old foundation wall at grids B5. Demolition debris was stockpiled in grid B4 before loaded onto a roll-off container for transport offsite.
4. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.50 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 14.01 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 30 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.

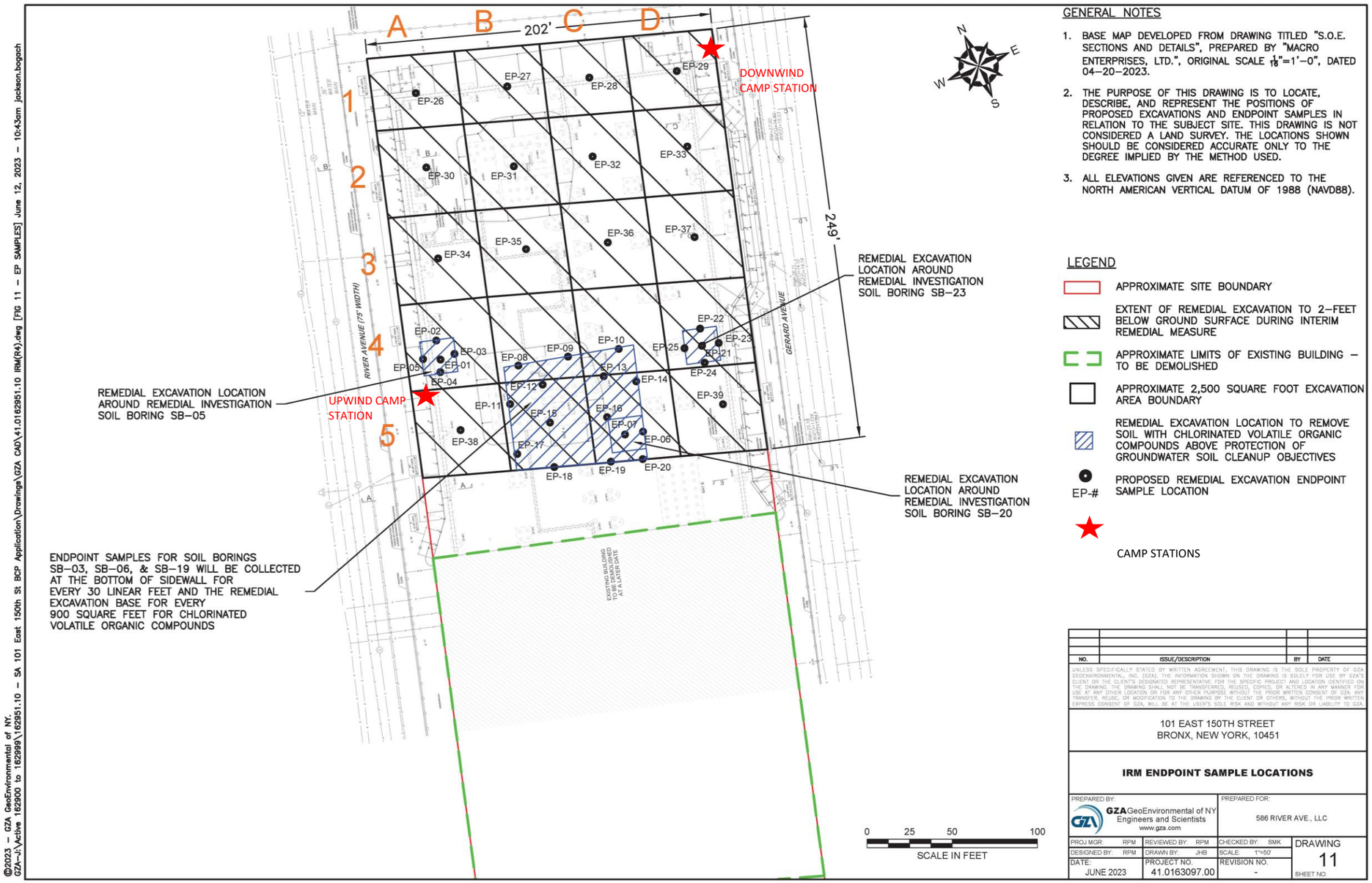
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT, OR THE CLIENT'S DESIGNATED REPRESENTATIVE, FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken North
Description: J&A Concrete loading trucks with soil for transport to disposal facilities.		**Description:** J&A Concrete removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No. 4**	**Direction Photo Taken** Southwest
Description: Soil Solutions relocating piles.		**Description:** Overview of Site at the end of the day.	

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 30, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

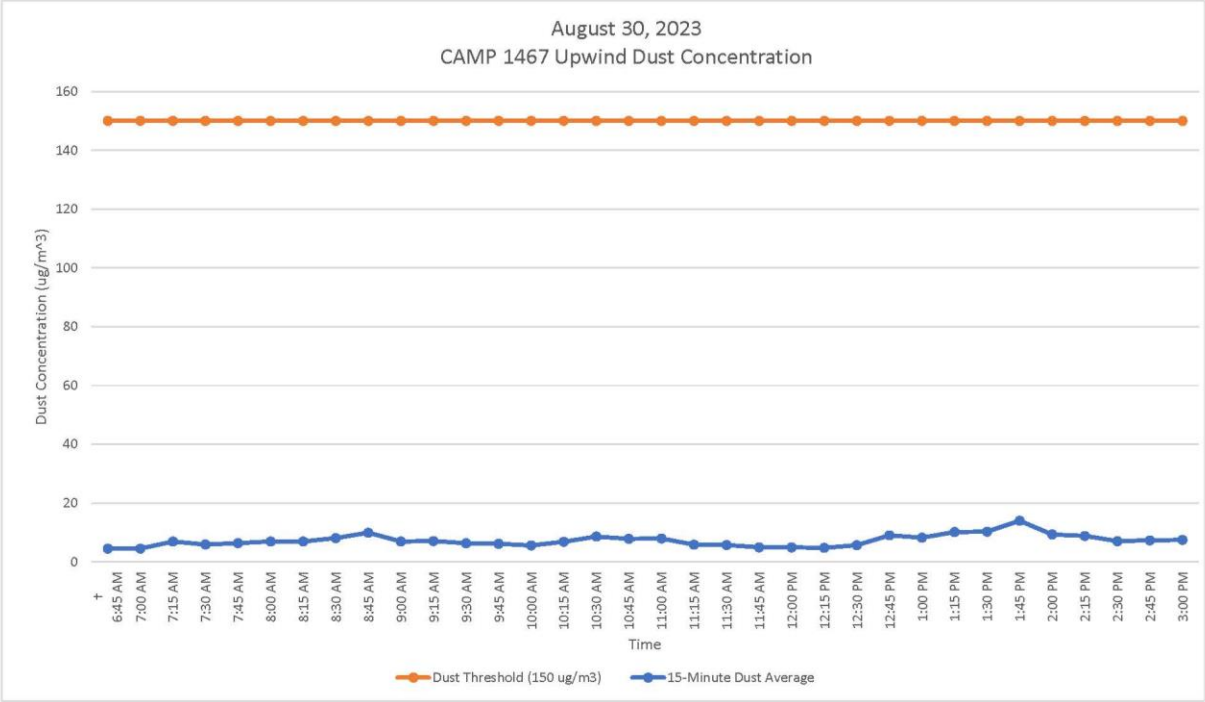
Background Readings:

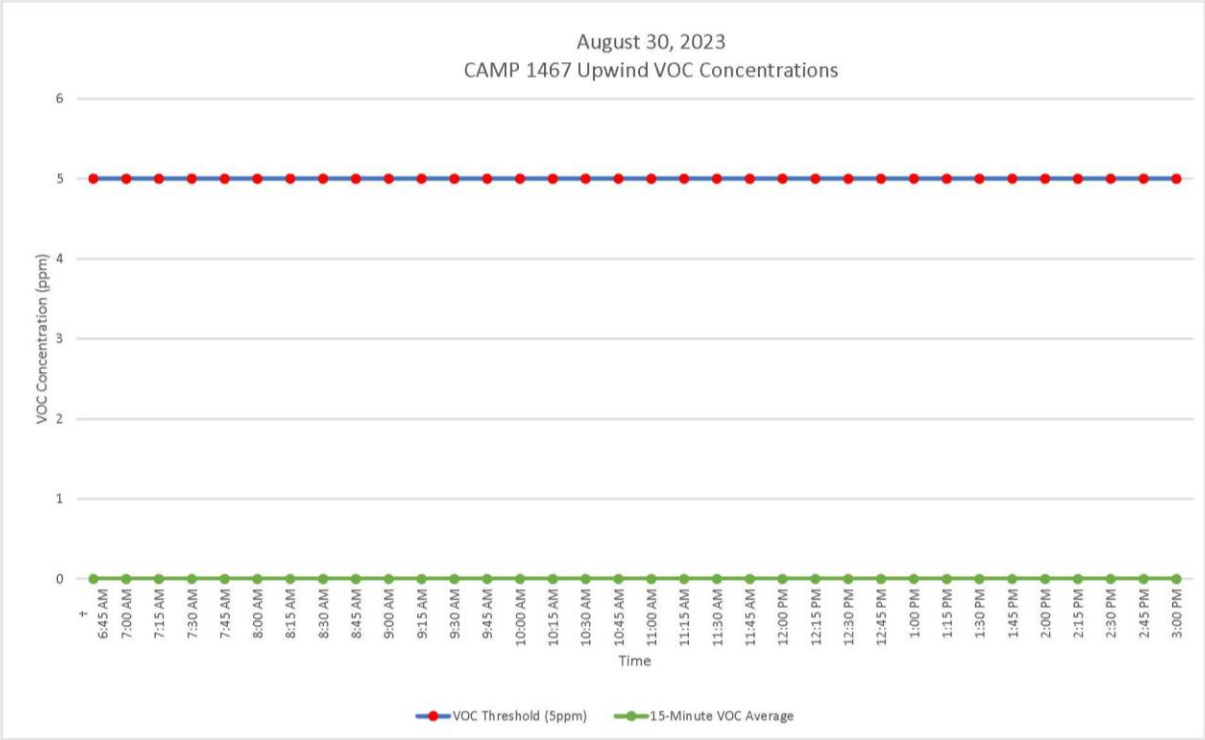
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 4.50
Data Ram 2: 3.83

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

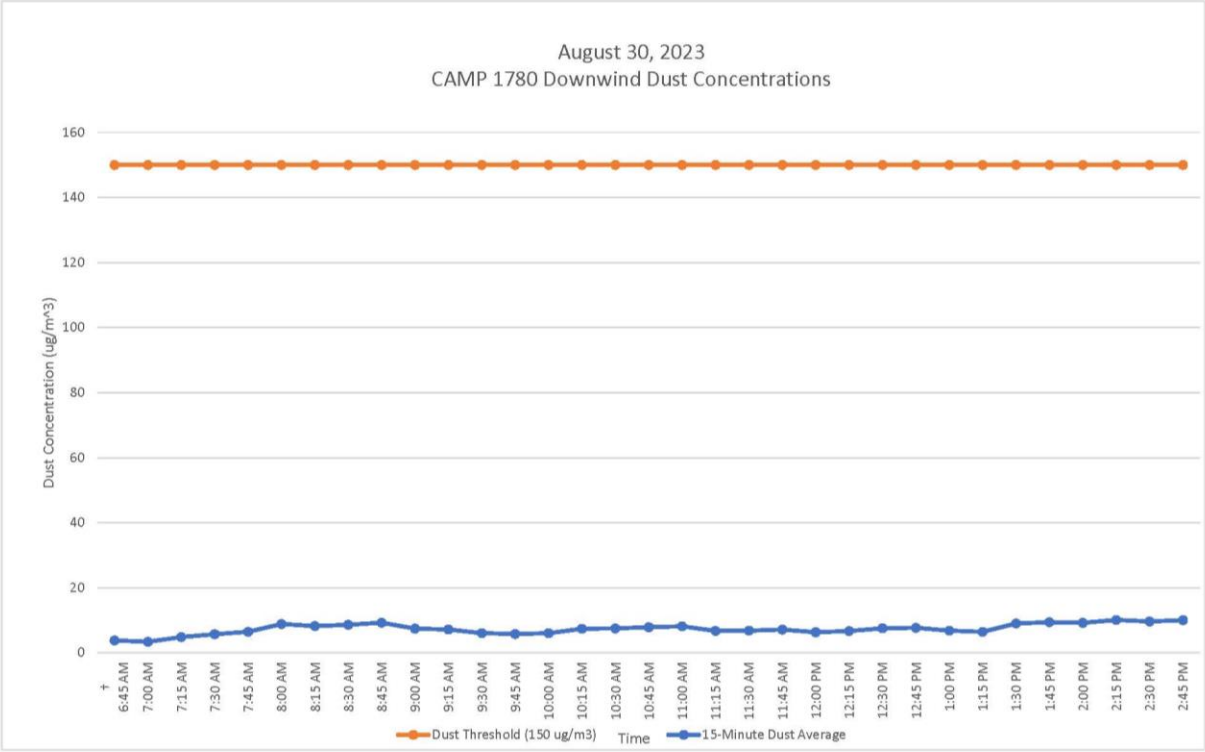


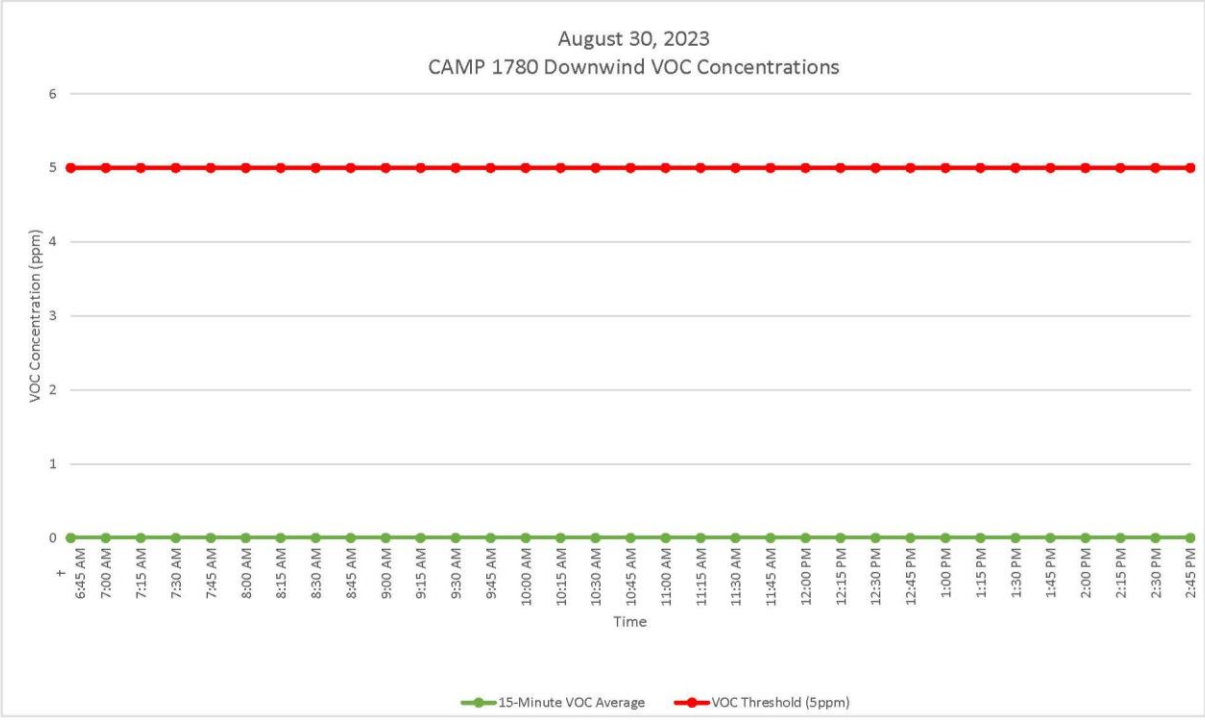


GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	30	600	0	0	30	600
Previous	**67**	**1,340**	**298**	**5,960**	**1**	**20**	**366**	**7,320**
Total	**67**	**1,340**	**328**	**6,560**	**1**	**20**	**396**	**7,920**

GZA DAILY FIELD SUMMARY 28

DATE: 8/30/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	70.39°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	52.00°F
		MAX WIND SPEED	16 mph from NNE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Material Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, August 31, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**PT Consultants**	
	Soil Solutions	
	Independence Carting, Inc.	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 8/31/2023

Work Location (Attachment A): Grid A3, B4, B5, C4, C5, and D3.

1. Loadout of soil from Grids B4, B5, C4, C5 and D3 (0-6 ft bgs). 30 truckloads of soil (approximately 600 cubic yards) were transported to Clean Earth of Carteret, New Jersey. 6 truckloads of soil (approximately 120 cubic yards) were transported to PPark in Prospect Park, New Jersey.
2. Demolition of portions of an old foundation wall at grids B5. Demolition debris was stockpiled in grid B4 before loaded onto a roll-off container for transport offsite.
3. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.
4. Delivery of Adler dewatering system to western portion of Grid A3.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.04 ppm, Particulates: 2.24 ug/m^3
High Conditions – PID: 0.04 ppm, Particulates: 21.85 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 30 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.
- 6 trucks of excavated materials were transported to PPark in Prospect Park, NJ.

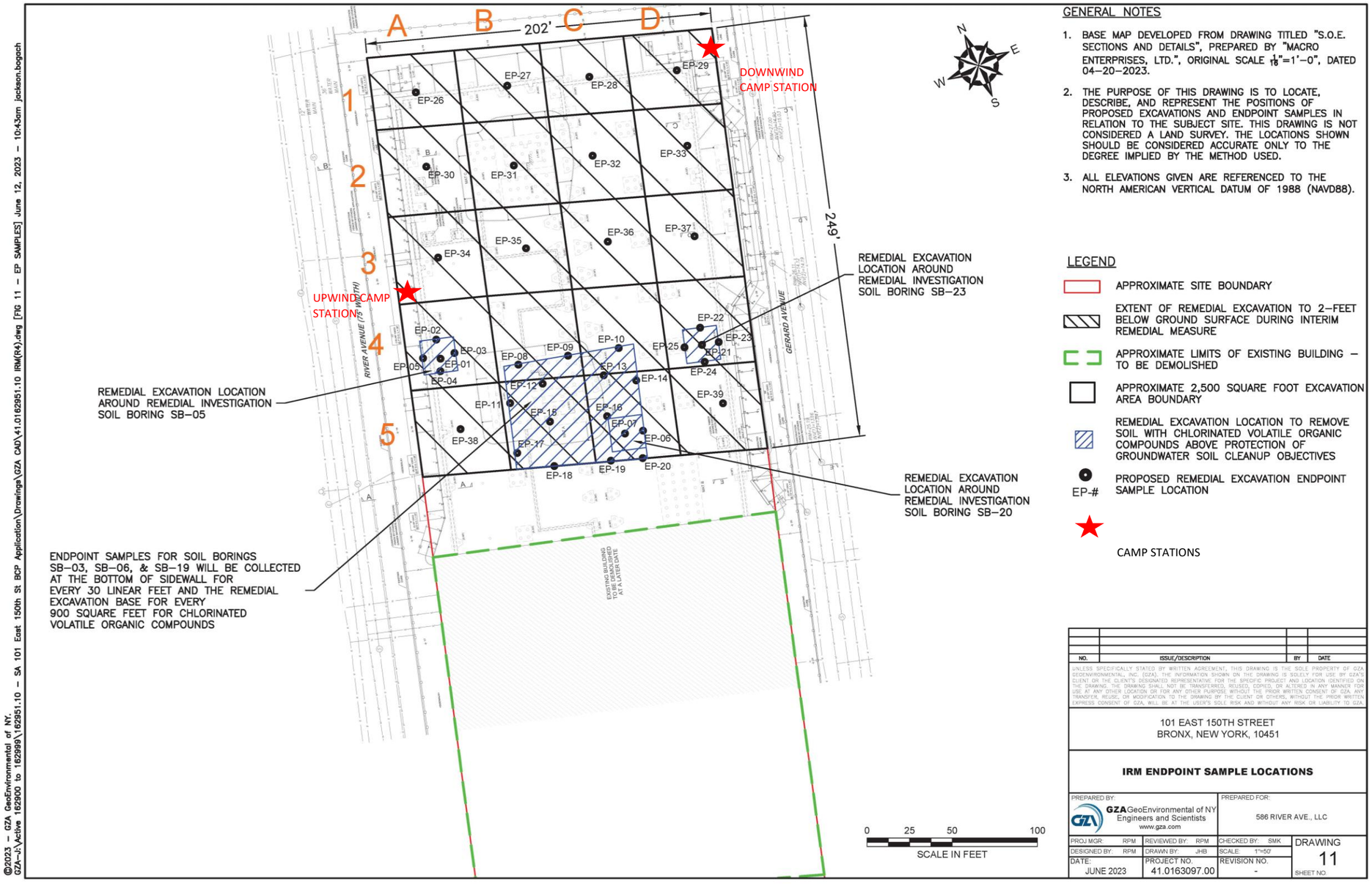
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken North
Description: J&A Concrete loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A Concrete removing soil and debris from Munoz trucks prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No. 4**	**Direction Photo Taken** Northeast
Description: J&A demolishing an old concrete foundation wall while spraying with water for dust suppression.		**Description:** Overview of Site at the end of the day.	

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: August 31, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

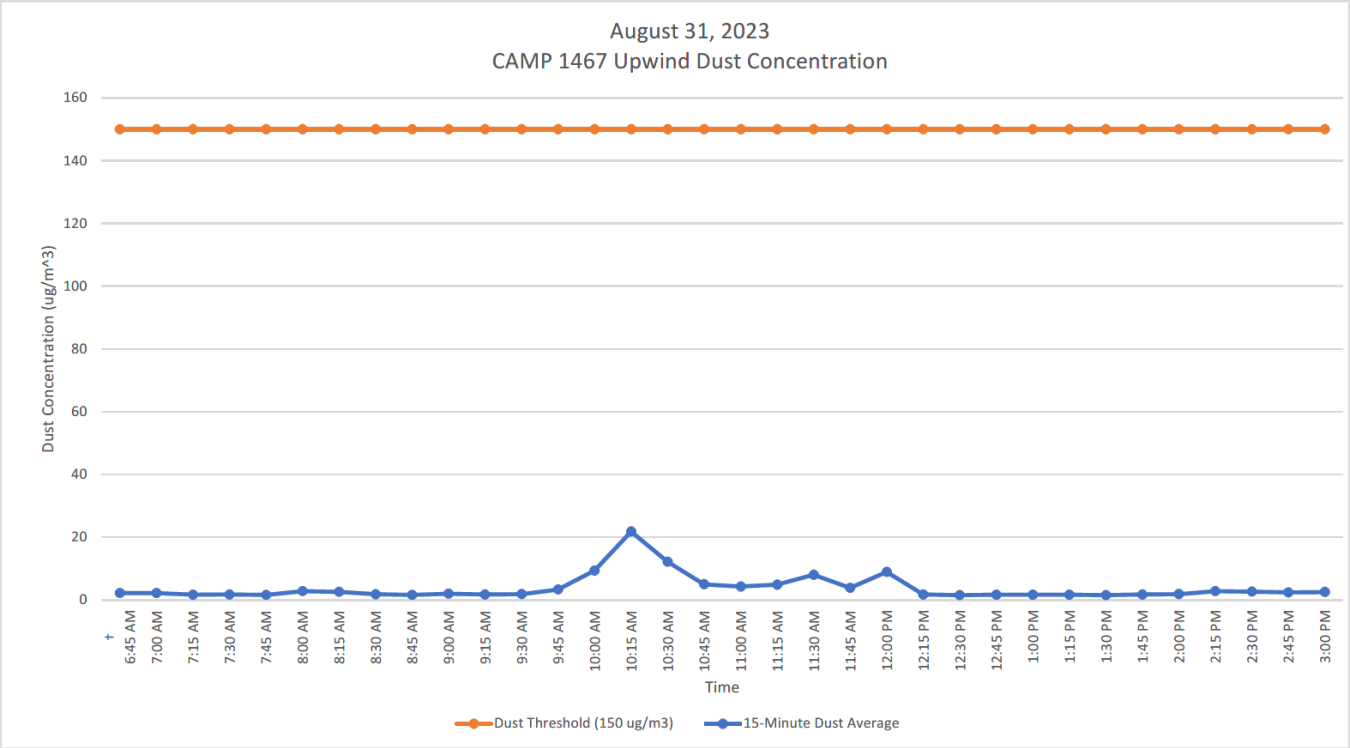
PID 1: 0.04
PID 2: 0.0

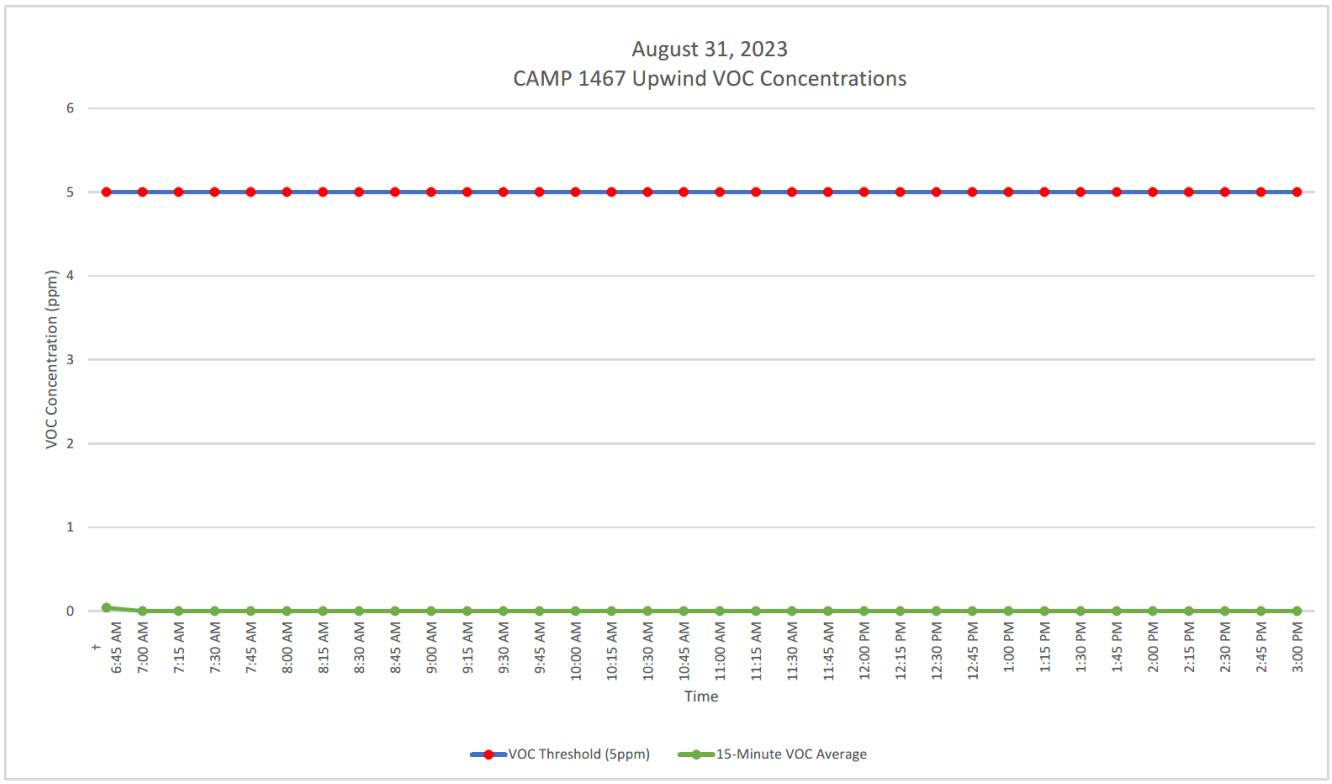
Data Ram 1: 2.24
Data Ram 2: 1.11

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023

FILE NO: 41.0163097.00

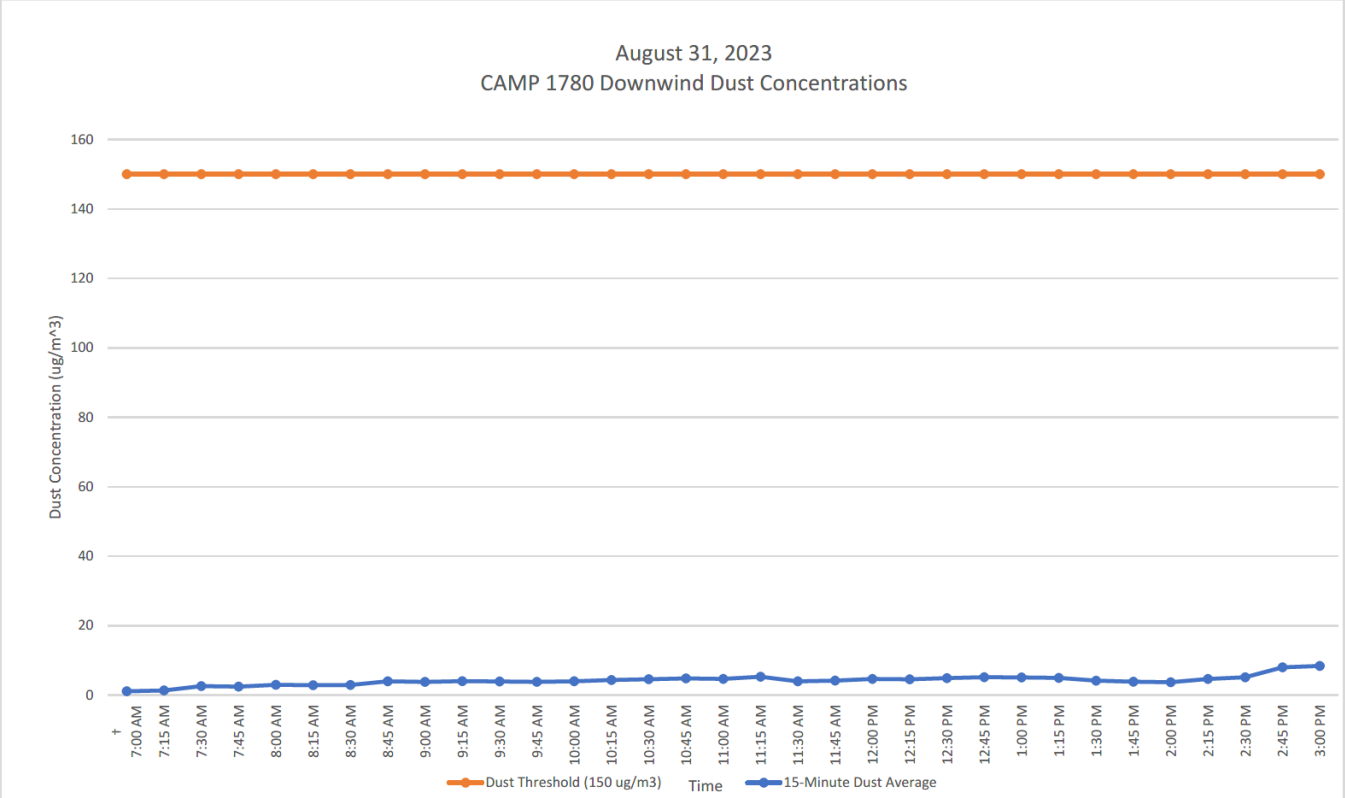


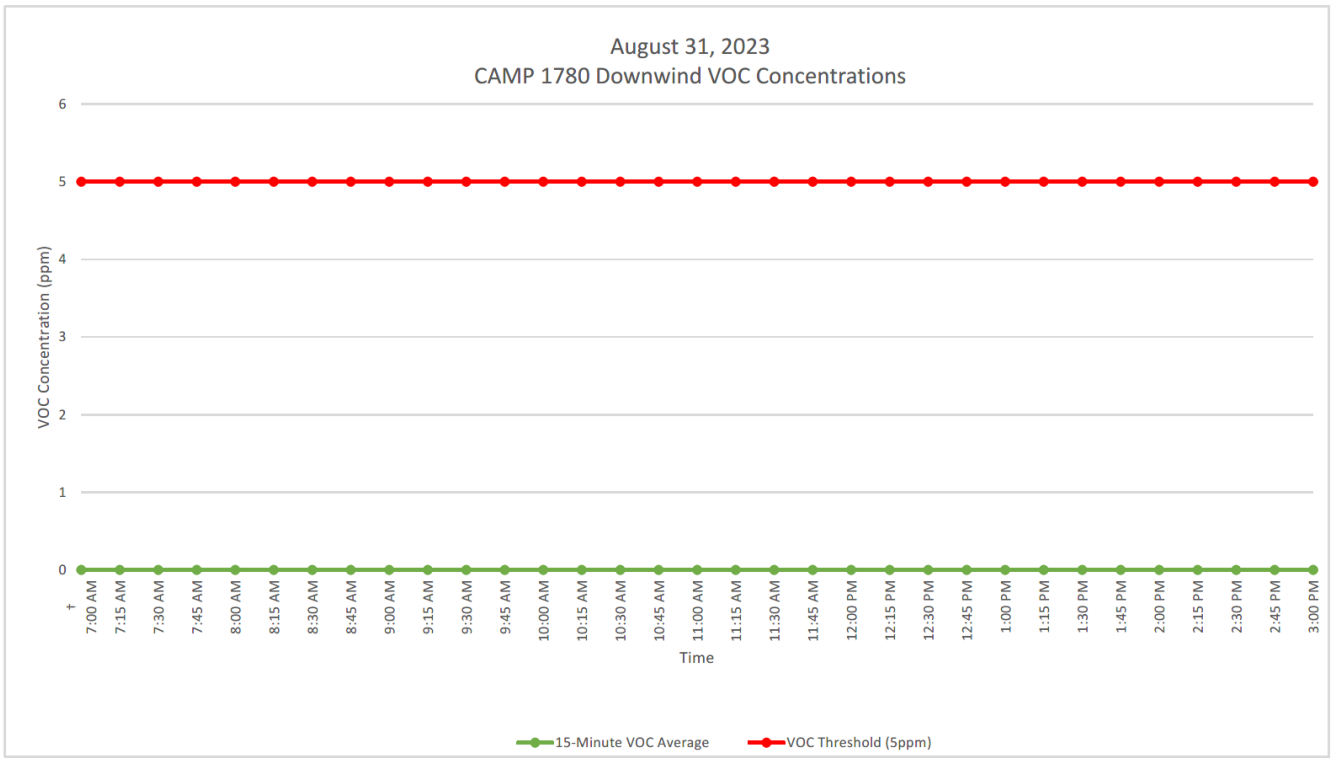


GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	6	120	30	600	0	0	36	720
Previous	**67**	**1,340**	**328**	**6,560**	**1**	**20**	**396**	**7,920**
Total	**73**	**1,460**	**358**	**7,160**	**1**	**20**	**432**	**8,640**

GZA DAILY FIELD SUMMARY 29

DATE: 8/31/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 30

DATE: 9/1/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	65.75°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	46.17°F
		MAX WIND SPEED	15 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, September 1, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**PT Consultants**	
	Soil Solutions	
	Independence Carting Inc.	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 30

DATE: 9/1/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 9/1/2023

Work Location (Attachment A): Grid A5, B4, B5, C4, C5, and D3.

1. Loadout of soil from Grids B3 and B4 (0-6 ft bgs). 18 truckloads of soil (approximately 360 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. J&A demolished an approximate 20 ft^2 section of concrete sidewalk at the southwest entrance of the Site in Grid A5. Demolished concrete was placed in the C&D stockpile in Grid B4.
3. Demolition of portions of an old foundation wall at grid B5. Demolition debris was stockpiled in grid B4 before loaded onto a roll-off container for transport offsite.
4. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 2.63 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 10.22 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

$\mu g/mg^3$ = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 18 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.

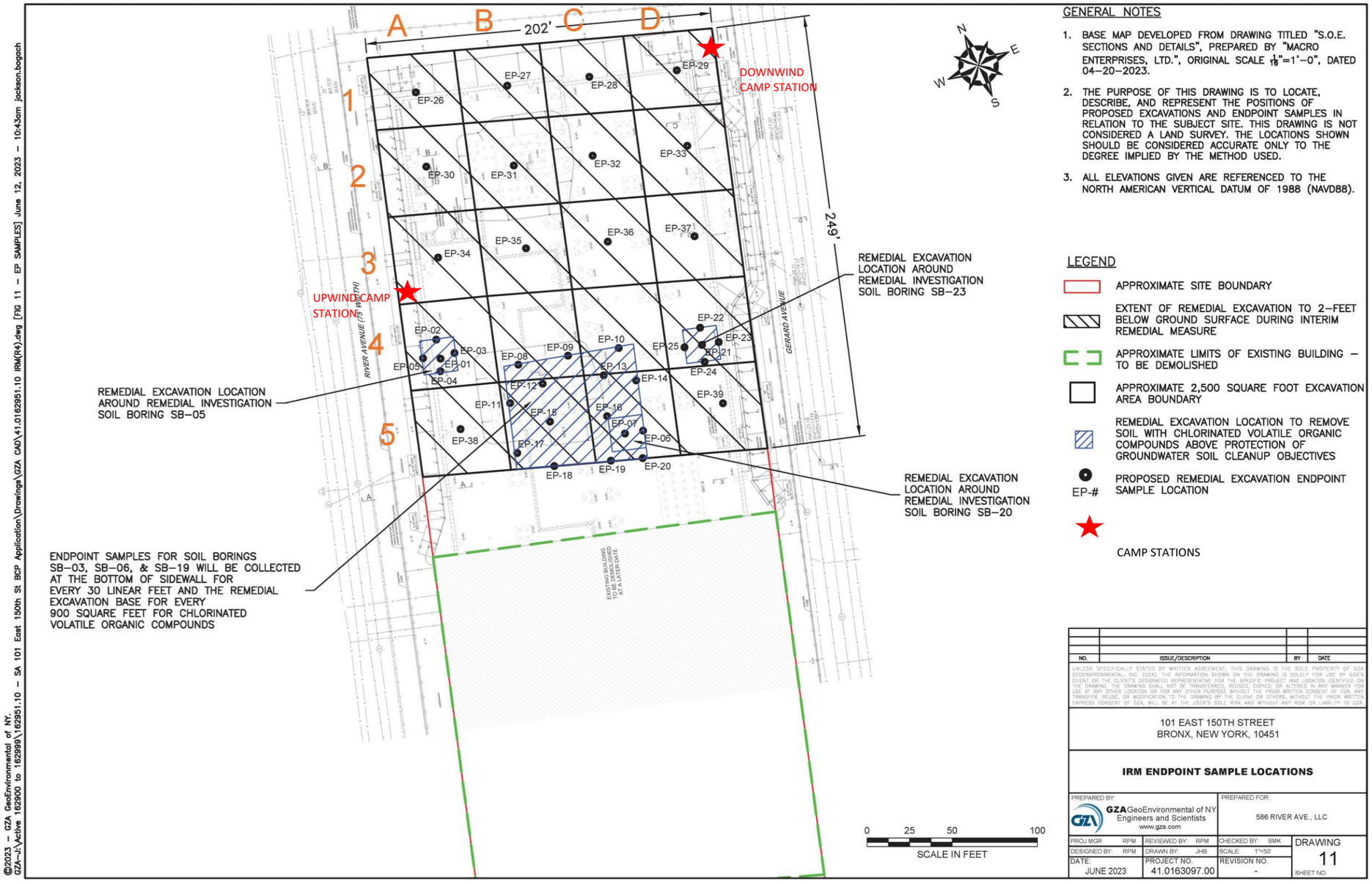
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 30

DATE: 9/1/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

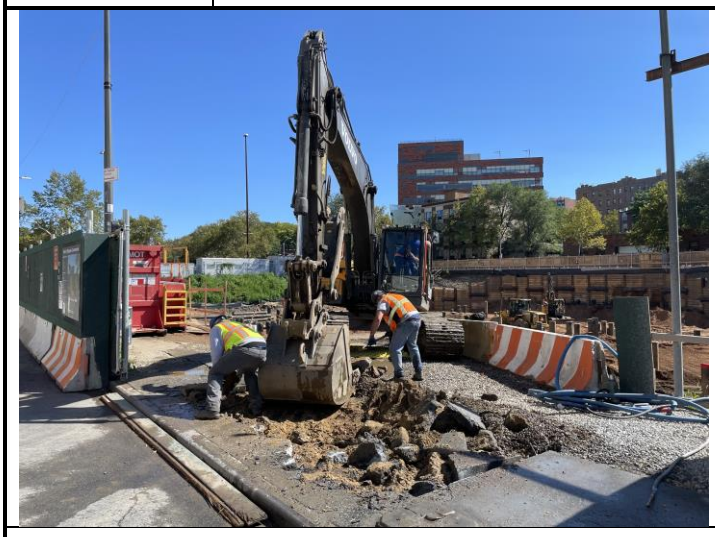
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 30

DATE: 9/1/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	Northeast	2	Northeast
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A demolishing an old concrete foundation wall in Grid B5 while spraying with water for dust suppression.	
Photo No.	**Direction Photo Taken:**	**Photo No.**	**Direction Photo Taken**
3	Northeast	4	Southwest
			
Description: J&A demolishing existing concrete sidewalk at entrance of the Site.		**Description:** Overview of Site at the end of the day.	

GZA DAILY FIELD SUMMARY 30

DATE: 9/1/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 1, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

Background Readings:

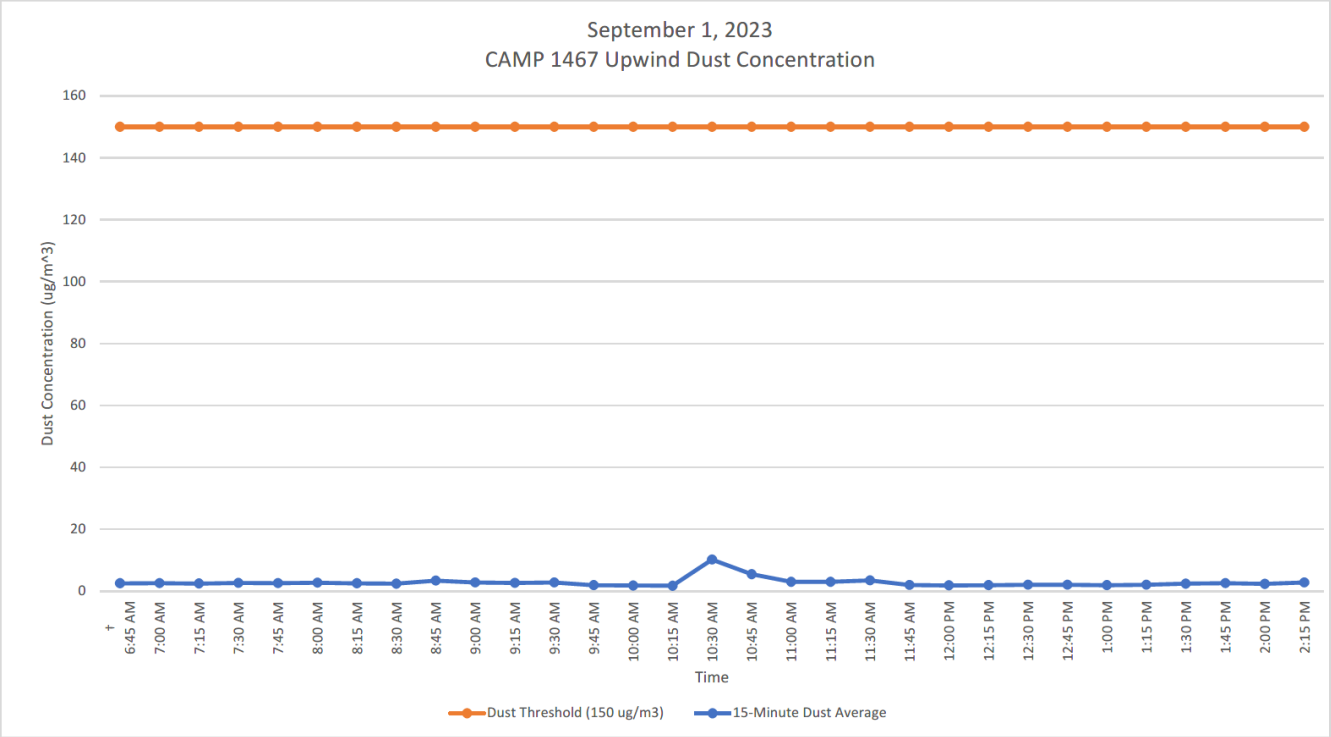
PID 1: 0.0
PID 2: 0.0

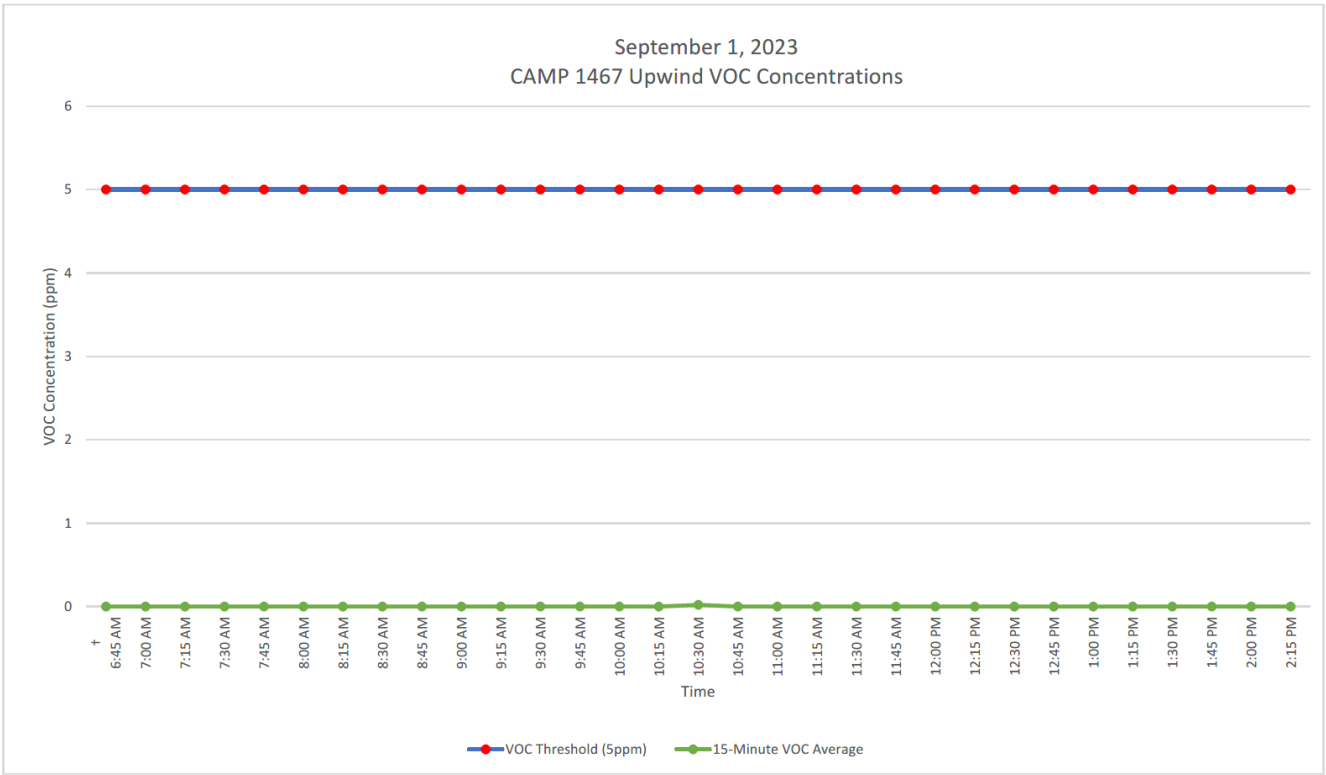
Data Ram 1: 4.05
Data Ram 2: 2.63

GZA DAILY FIELD SUMMARY 30

DATE: 9/1/2023

FILE NO: 41.0163097.00

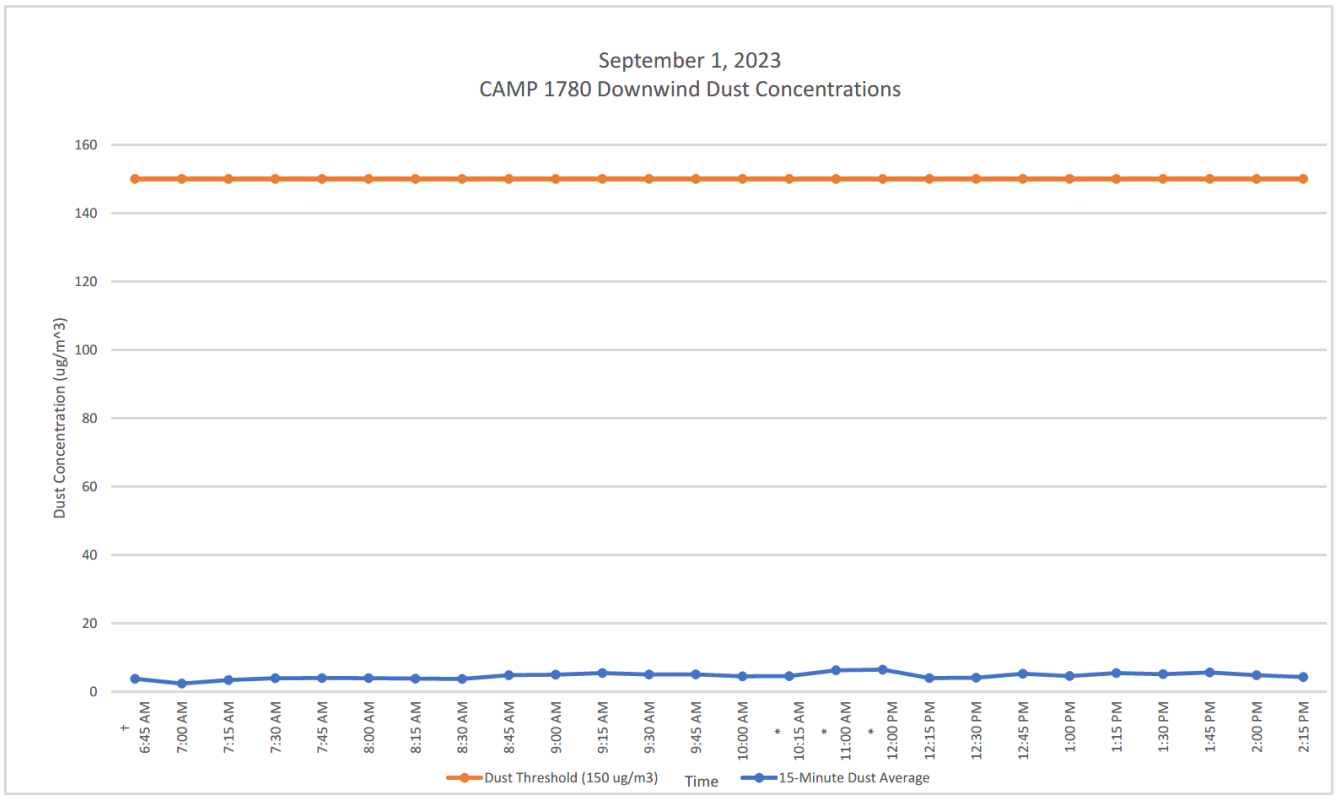


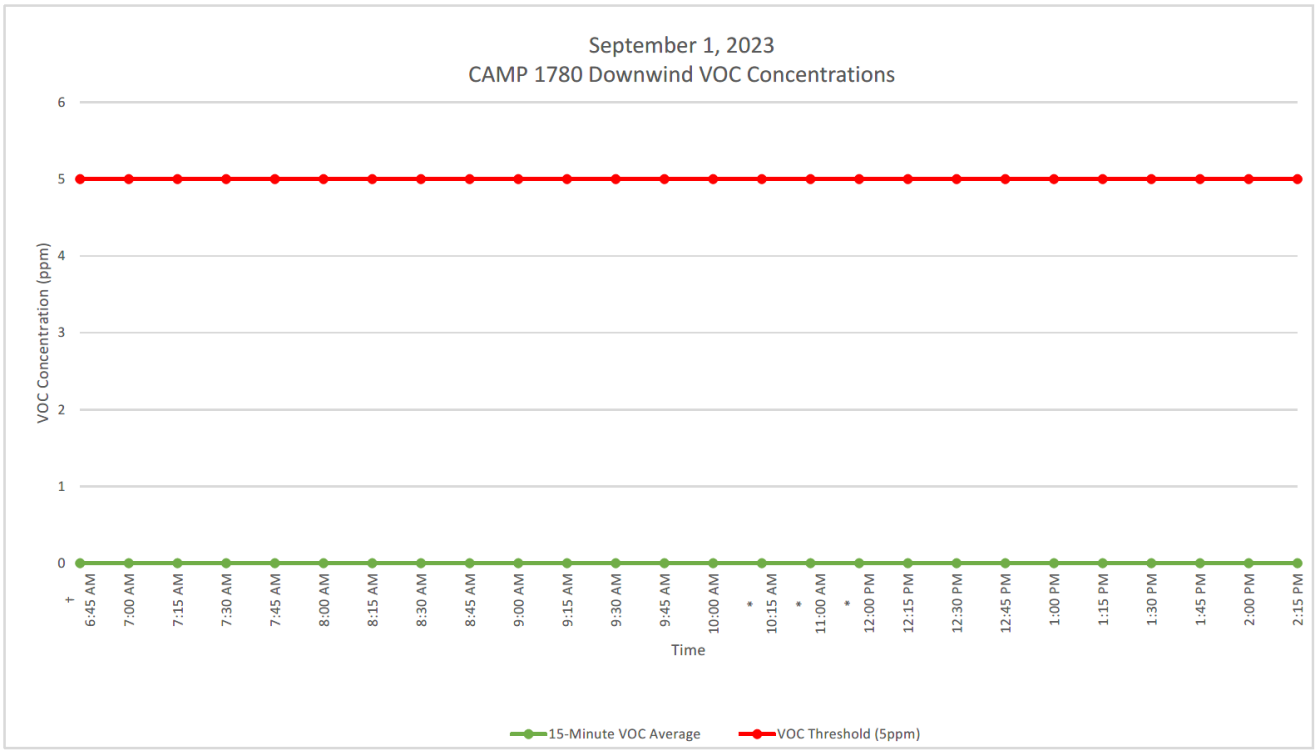


GZA DAILY FIELD SUMMARY 30

DATE: 9/1/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 30

DATE: 9/1/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	18	360	0	0	18	360
Previous	**73**	**1,460**	**358**	**7,160**	**1**	**20**	**432**	**8,640**
Total	**73**	**1,460**	**376**	**7,520**	**1**	**20**	**450**	**9,000**

GZA DAILY FIELD SUMMARY 30

DATE: 9/1/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 31

DATE: 9/5/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	82.31°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	69.63°F
		MAX WIND SPEED	10 mph from NNE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, September 5, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 31

DATE: 9/5/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 9/5/2023

Work Location (Attachment A): Grid B1, B2, B4, B5, C1, D2, D3, and D4.

1. Soil Solutions continued pile driving at grids D2, D3, and D4.
2. J&A Concrete poured concrete in piles in at grid B2.
3. Excavation of soil from grids B4 and B5 and stockpiling in B4. Excavated soils were covered at the end of the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- End-point samples EP-06, EP-07, EP-14, EP-16, EP-19, EP-20, and EP-39 from grids C5 and D5 at 5-feet below ground surface (bgs).

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 16.94 ug/m^3
High Conditions – PID: 3.08 ppm, Particulates: 22.32 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

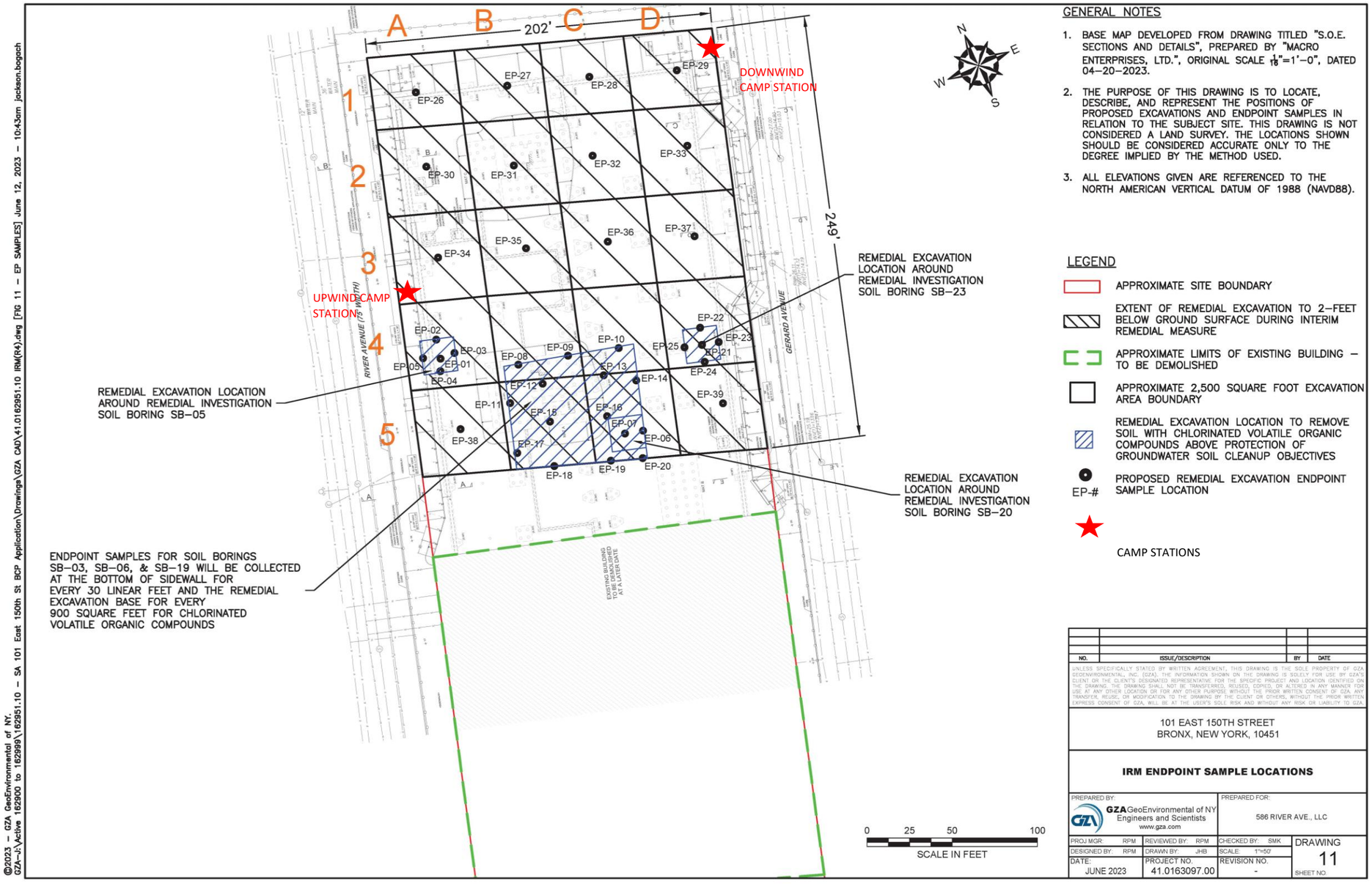
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 31

DATE: 9/5/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 31

DATE: 9/5/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

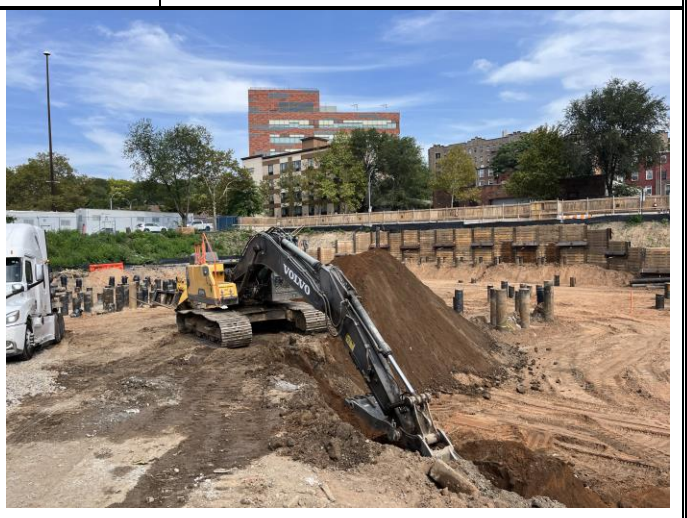
Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	North	2	West

Description: J&A concrete pump truck onsite.

Description: J&A pouring concrete in piles at grid B-2.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
3	North	4	Northeast

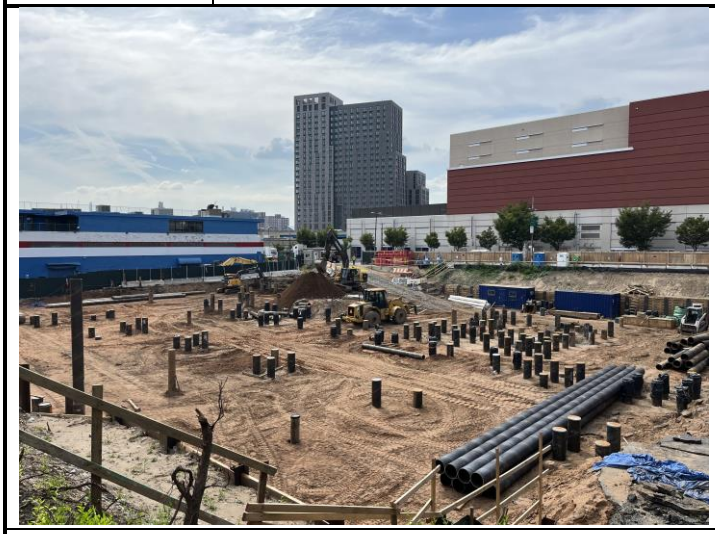
Description: Soil Solution driving pile at grid D-2.



Description: Excavation of soil from grids B-4 and B-5 and stockpiling in B-4.

GZA DAILY FIELD SUMMARY 31

DATE: 9/5/2023
FILE NO: 41.0163097.00

Photo No. **5**	**Direction Photo Taken:** Southwest	**Photo No.** **6**	**Direction Photo Taken** Northeast
			
Description: Overview of Site towards the end of the day.		**Description:** Stockpile covered at the end of the day.	

GZA DAILY FIELD SUMMARY 31

DATE: 9/5/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 5, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:
_____
_____

Data Rams:
1 ☒ Data
2 ☒ Data

_____
_____

Weather Station: ☐ YES

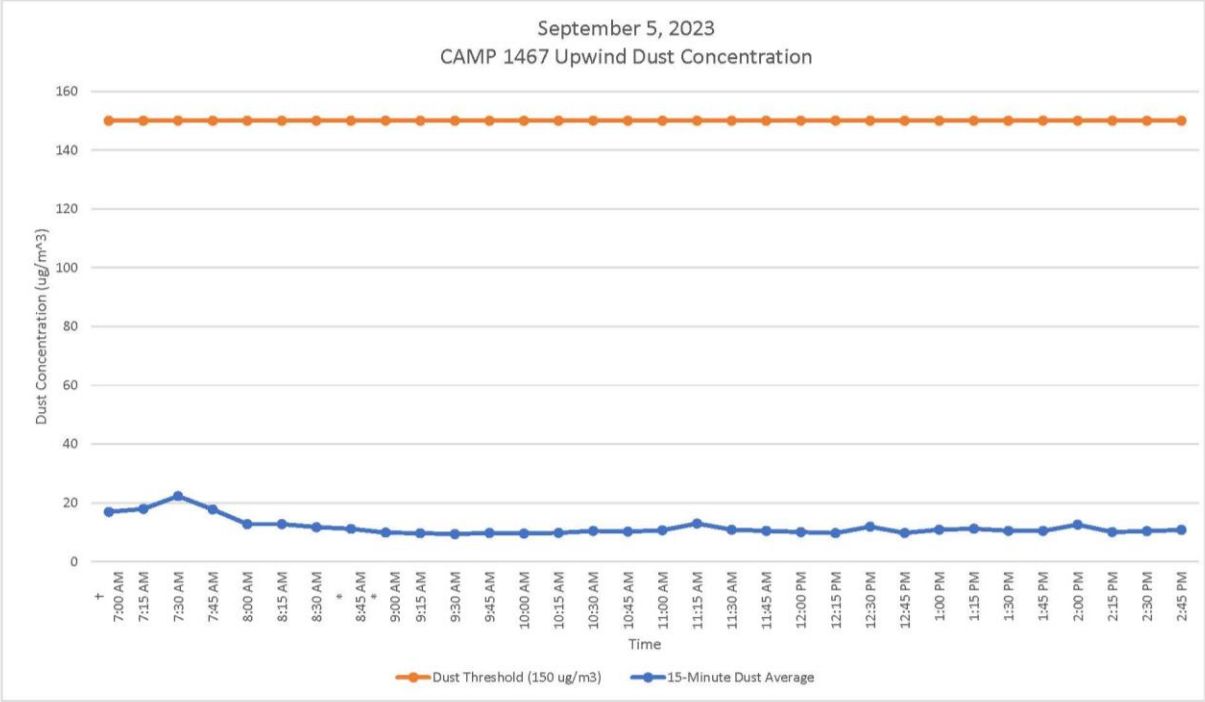
Background Readings:
PID 1: 0.0
PID 2: 0.0

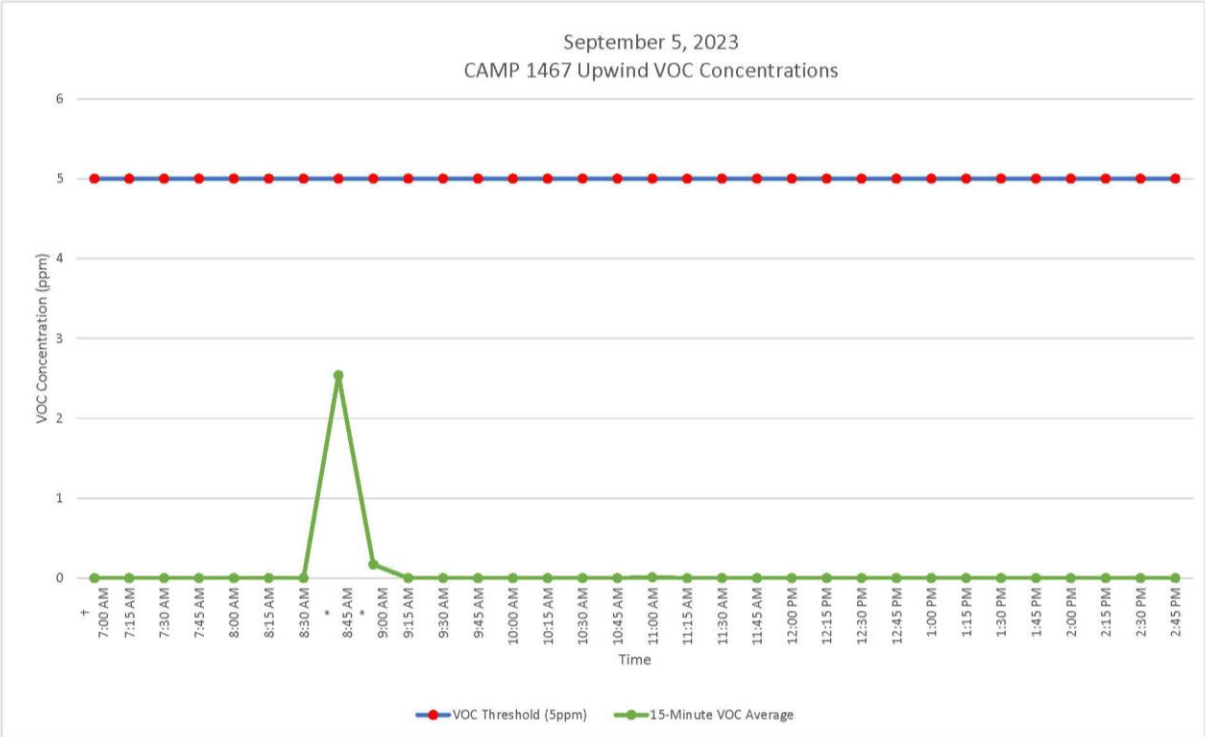
Data Ram 1: 16.94
Data Ram 2: 14.65

GZA DAILY FIELD SUMMARY 31

DATE: 9/5/2023

FILE NO: 41.0163097.00

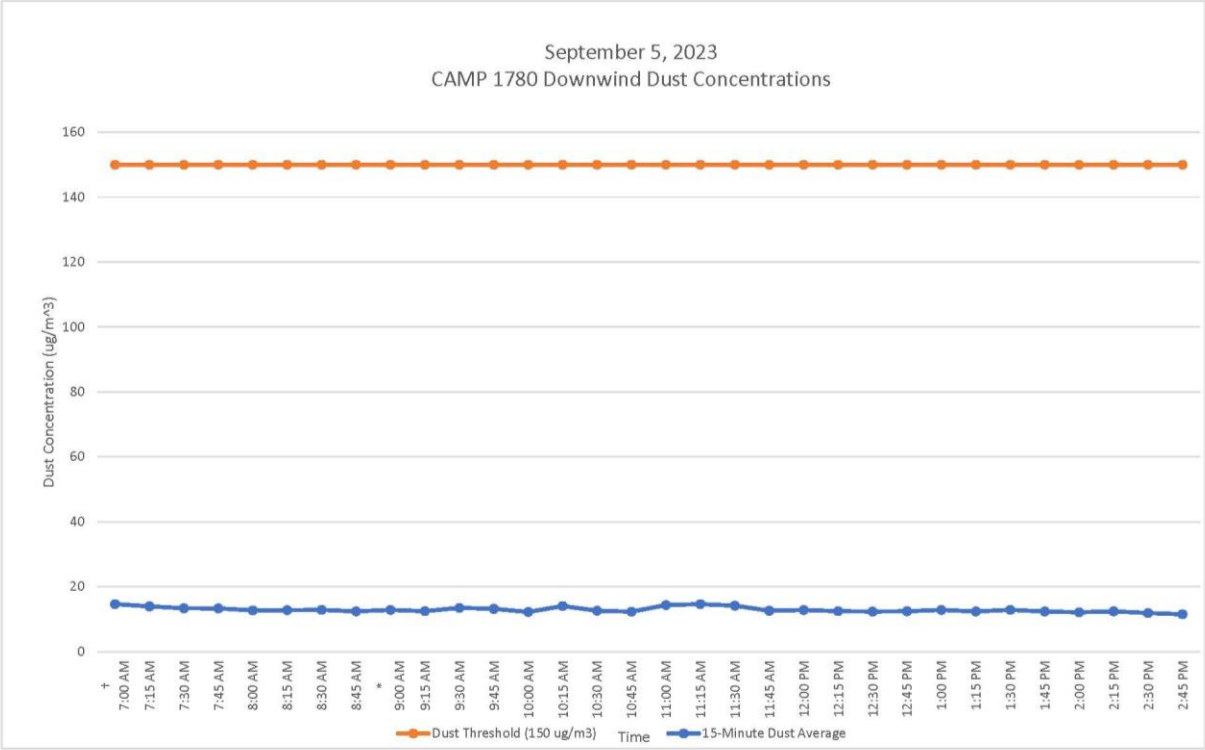


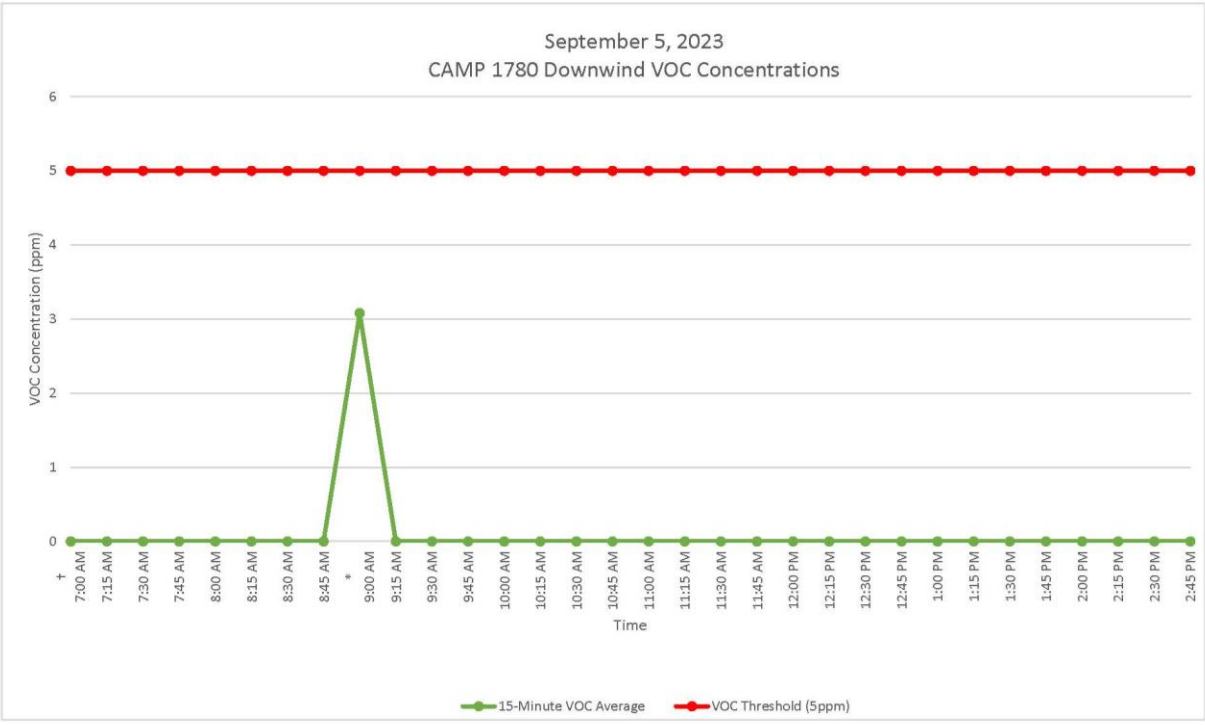


GZA DAILY FIELD SUMMARY 31

DATE: 9/5/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 31

DATE: 9/5/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	376	7,520	1	20	450	9,000
Total	**73**	**1,460**	**376**	**7,520**	**1**	**20**	**450**	**9,000**

GZA DAILY FIELD SUMMARY 31

DATE: 9/5/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 32

DATE: 9/6/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	82.71°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	70.43°F
		MAX WIND SPEED	8 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, September 6, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 32

DATE: 9/6/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 9/6/2023

Work Location (Attachment A): Grid B3, B4, B5, C5, D4, and D5.

1. Loadout of stockpiled soil from Grids B4 and B5 (0-6 ft bgs). 18 truckloads of soil (approximately 360 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. Soil Solutions continued pile driving at grids B5, C5, D4, and D5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 21.79 ug/m^3
High Conditions – PID: 0.04 ppm, Particulates: 21.56 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 18 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.

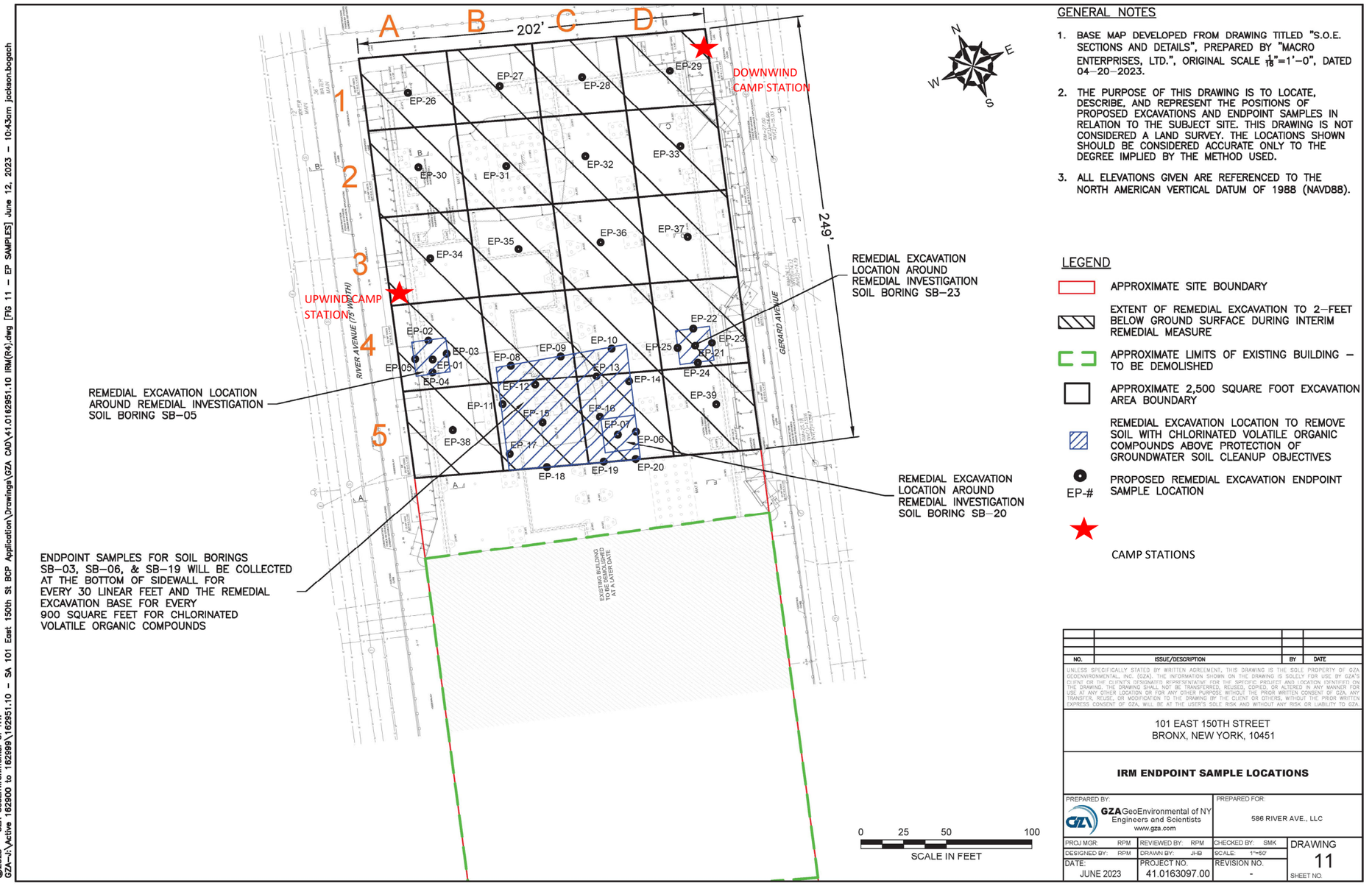
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 32

DATE: 9/6/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 32

DATE: 9/6/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Northeast	Photo No. 2	Direction Photo Taken Northeast
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A spraying water onsite for dust suppression.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No. 4**	**Direction Photo Taken** Northeast
Description: Soil Solutions driving pile at grid B-5.		**Description:** Overview of Site and covered stockpile at the end of the day.	

GZA DAILY FIELD SUMMARY 32

DATE: 9/6/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 6, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

Background Readings:

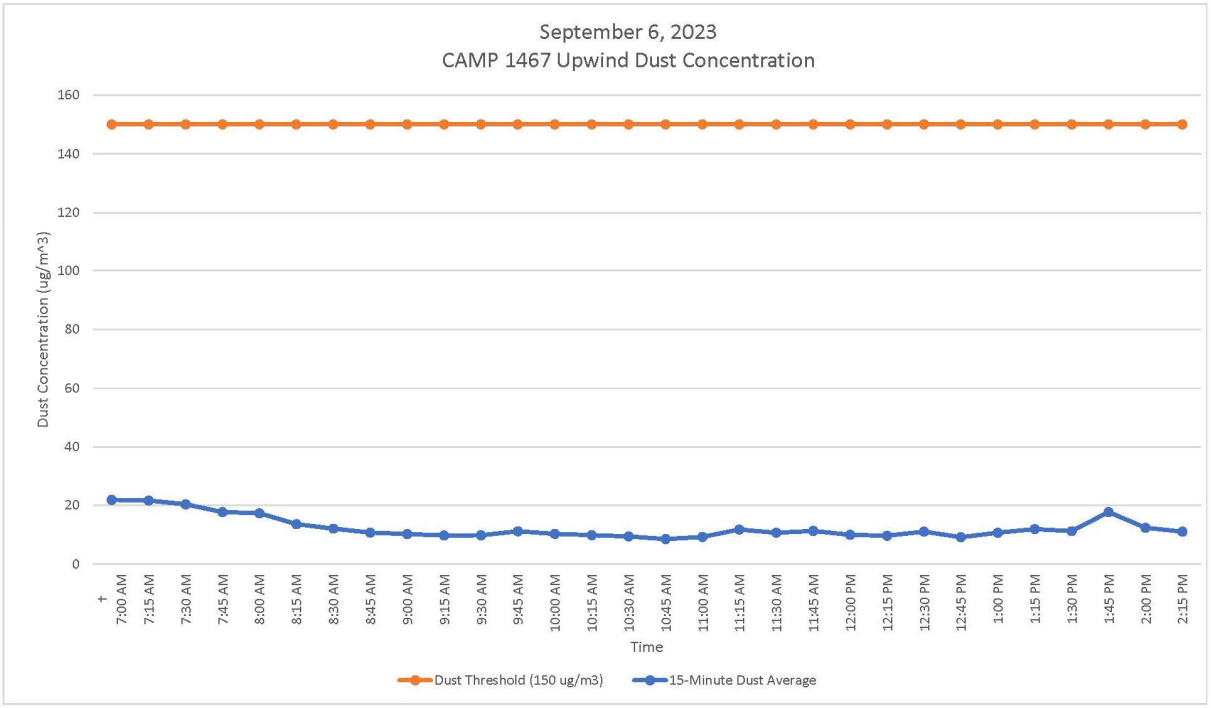
PID 1: 0.0
PID 2: 0.0

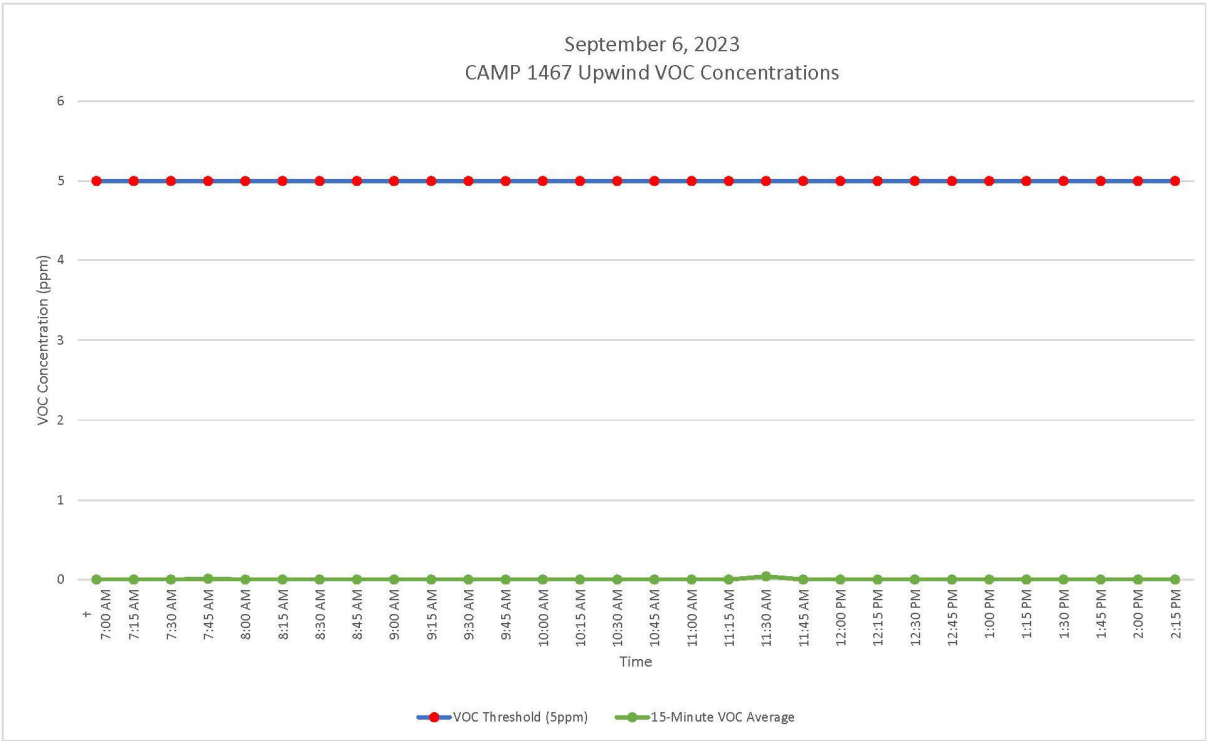
Data Ram 1: 21.79
Data Ram 2: 19.90

GZA DAILY FIELD SUMMARY 32

DATE: 9/6/2023

FILE NO: 41.0163097.00

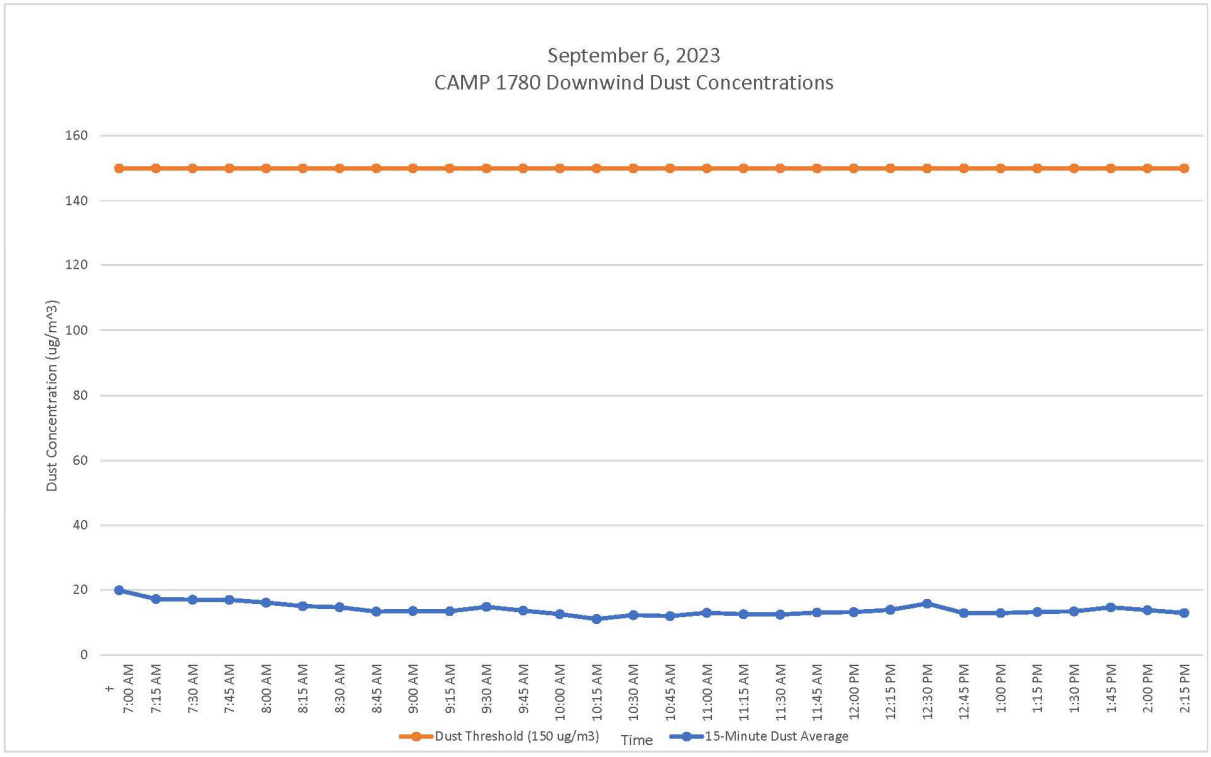


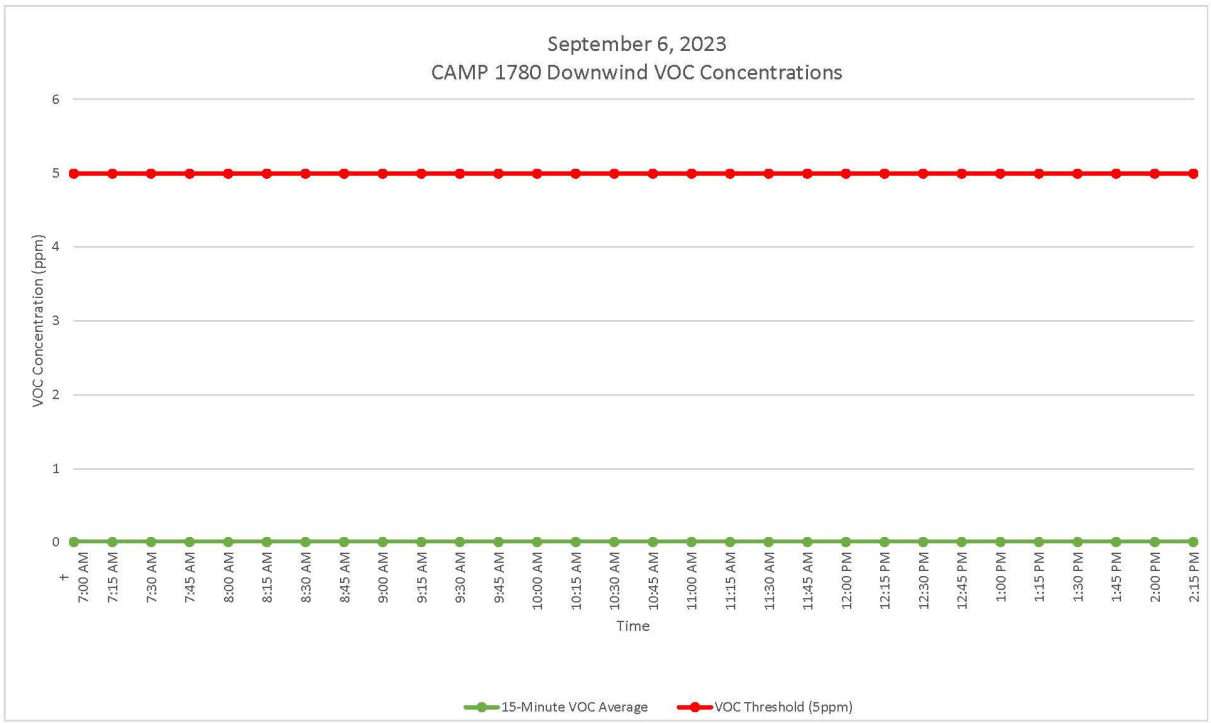


GZA DAILY FIELD SUMMARY 32

DATE: 9/6/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 32

DATE: 9/6/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	18	360	0	0	18	360
Previous	73	1,460	376	7,520	1	20	450	9,000
Total	**73**	**1,460**	**394**	**7,880**	**1**	**20**	**468**	**9,360**

GZA DAILY FIELD SUMMARY 32

DATE: 9/6/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 33

DATE: 9/7/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	86.67°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	68.2°F
		MAX WIND SPEED	14 mph from S
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, September 7, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	PT Consultants	
	Soil Solutions	
	GTR Engineering, LLC (GTR)	
	Independence Carting Inc.	
	Cardella Waste	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 33

DATE: 9/7/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 9/7/2023

Work Location (Attachment A): Grid B1, B3, B4, B5, C1, C4, and D1.

1. Loadout of stockpiled soil from Grids B3 and B4 (0-6 ft bgs). 6 truckloads of soil (approximately 120 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. Demolition of portions of a pre-existing foundation wall in grids B4 and B5. Demolition debris was stockpiled in the same grids.
3. Independence Carting, Inc. transported two roll-off containers of C&D debris off-Site.
4. Soil Solutions continued driving and welding piles in grids B4, B5, and C4.
5. Shallow excavation (approximately 2 ft deep) around piles in grid B1 for pile cutting to the required elevation(s). Excavated soils were spread around the excavation and compacted.
6. Eight additional piles delivered to the Site and stored in grids C1 and D1.
7. Cardella Waste transported one roll-off container onsite.
8. GTR performed pile load testing.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 12.12 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 19.62 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 6 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.

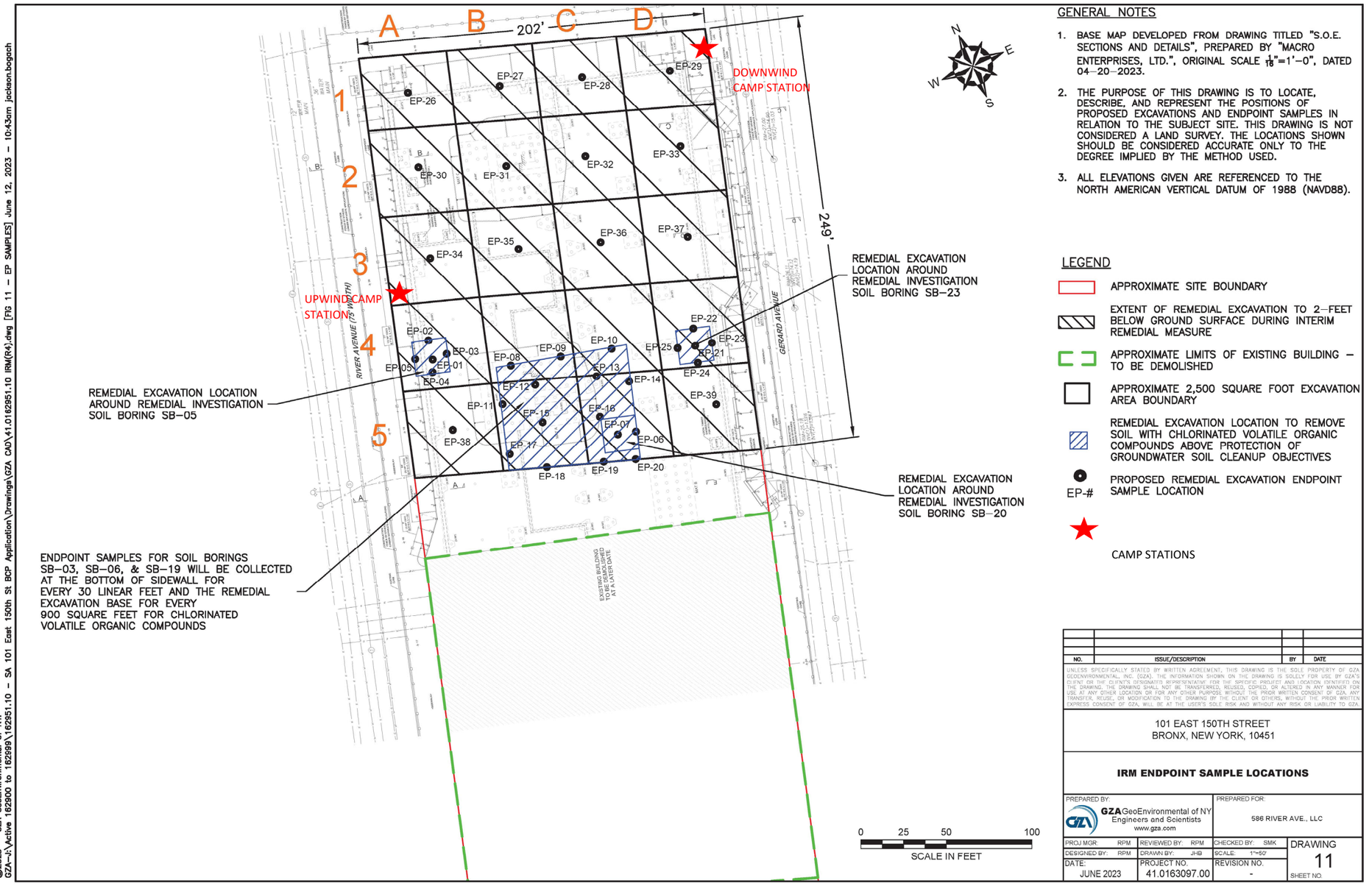
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 33

DATE: 9/7/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 33

DATE: 9/7/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Northeast	Photo No. 2	Direction Photo Taken North
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A removing soil and debris from Munoz trucks and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No. 4**	**Direction Photo Taken** Southeast
Description: Soil Solutions driving pile in grid B-5.		**Description:** J&A loading a roll-off container with C&D debris for transport off-Site.	

GZA DAILY FIELD SUMMARY 33

DATE: 9/7/2023
FILE NO: 41.0163097.00

Photo No. 5	**Direction Photo Taken:** Northeast	**Photo No.** 6	**Direction Photo Taken** Northeast
Description: J&A demolishing an old foundation slab in Grid B-5 while spraying with water for dust suppression.		**Description:** Shallow excavation around piles in Grid B-1.	

GZA DAILY FIELD SUMMARY 33

DATE: 9/7/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 7, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**		
1 ☐ YES	☒ NO		1 ☐ YES	☒ NO	
2 ☐ YES	☒ NO		2 ☐ YES	☒ NO	
Hand Held ☒ YES	☐ NO		Hand Held ☒ YES	☐ NO	

Data Rams: **Zero**

1 ☐ YES	☒ NO				
2 ☐ YES	☒ NO				
Hand Held ☒ YES	☐ NO		Hand Held ☒ YES	☐ NO	

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1	☒ Data	☒ Avg	☐ Summary	
2	☒ Data	☒ Avg	☐ Summary	

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

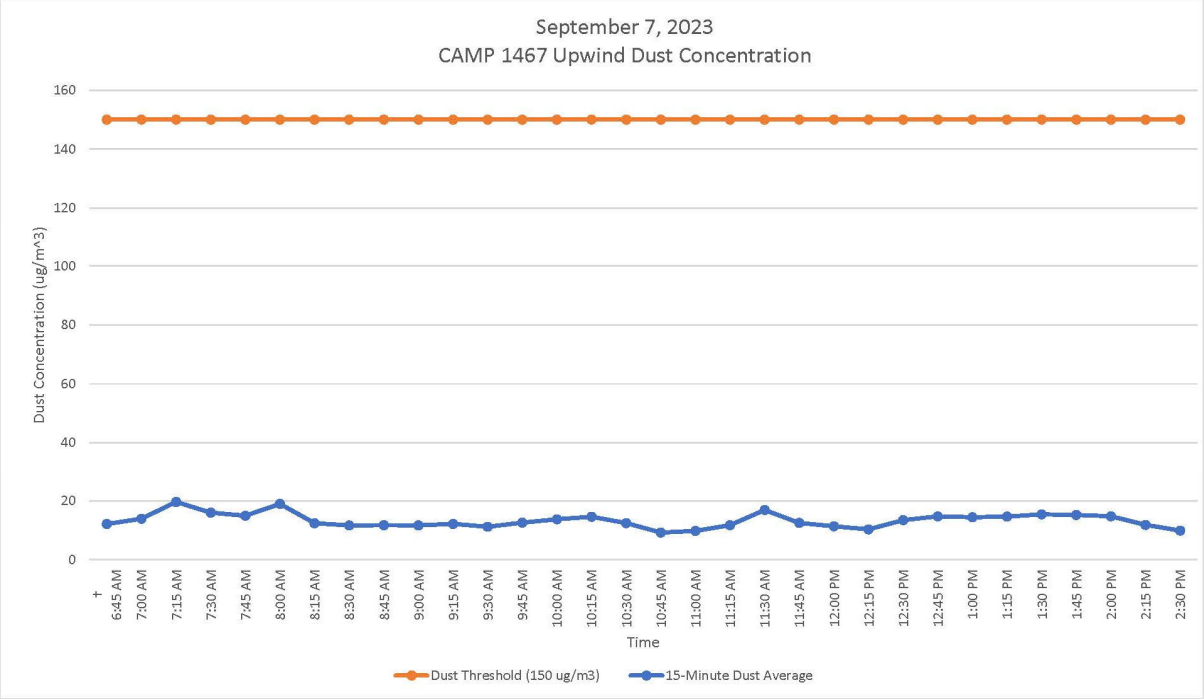
PID 1: 0.0
PID 2: 0.0

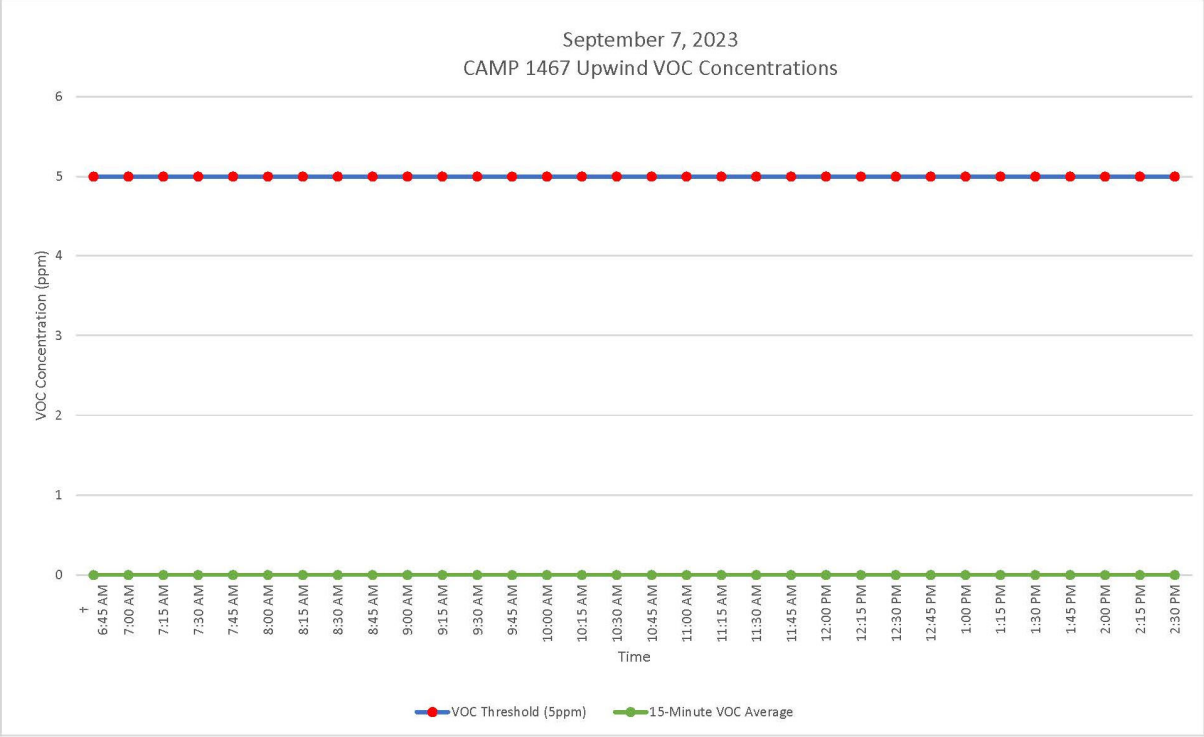
Data Ram 1: 12.12
Data Ram 2: 11.45

GZA DAILY FIELD SUMMARY 33

DATE: 9/7/2023

FILE NO: 41.0163097.00

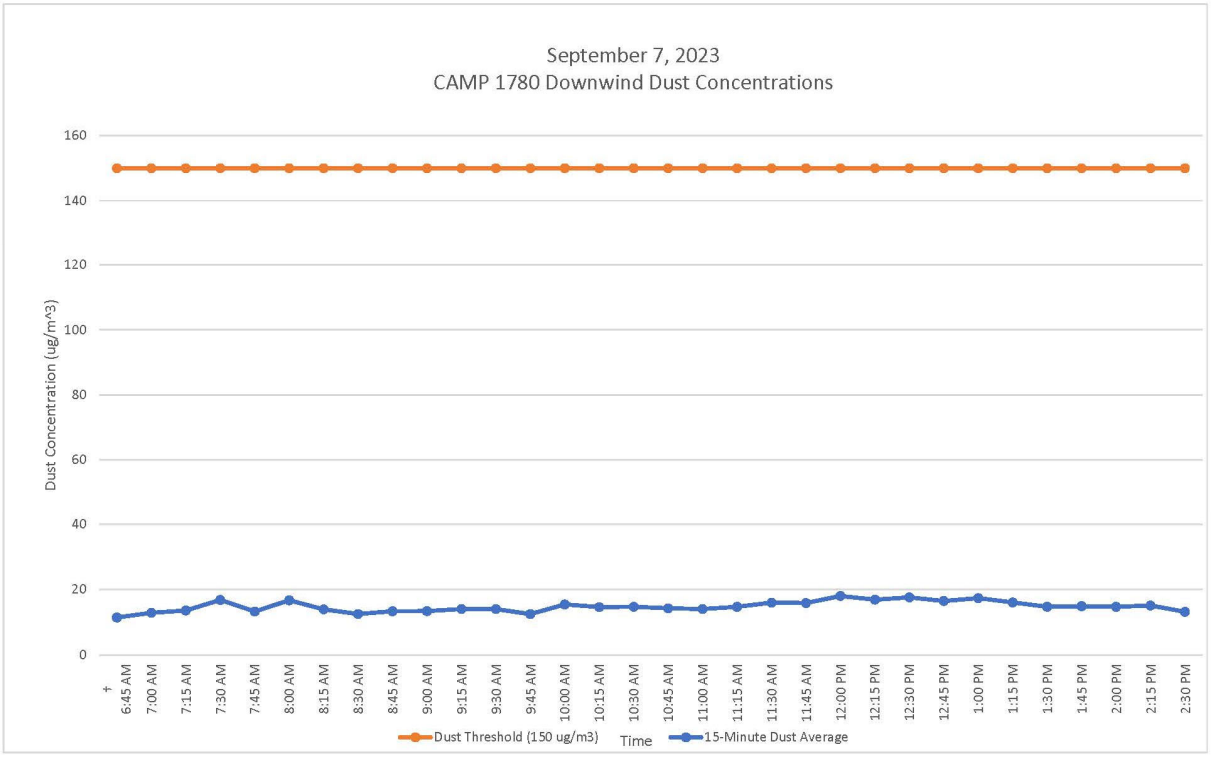


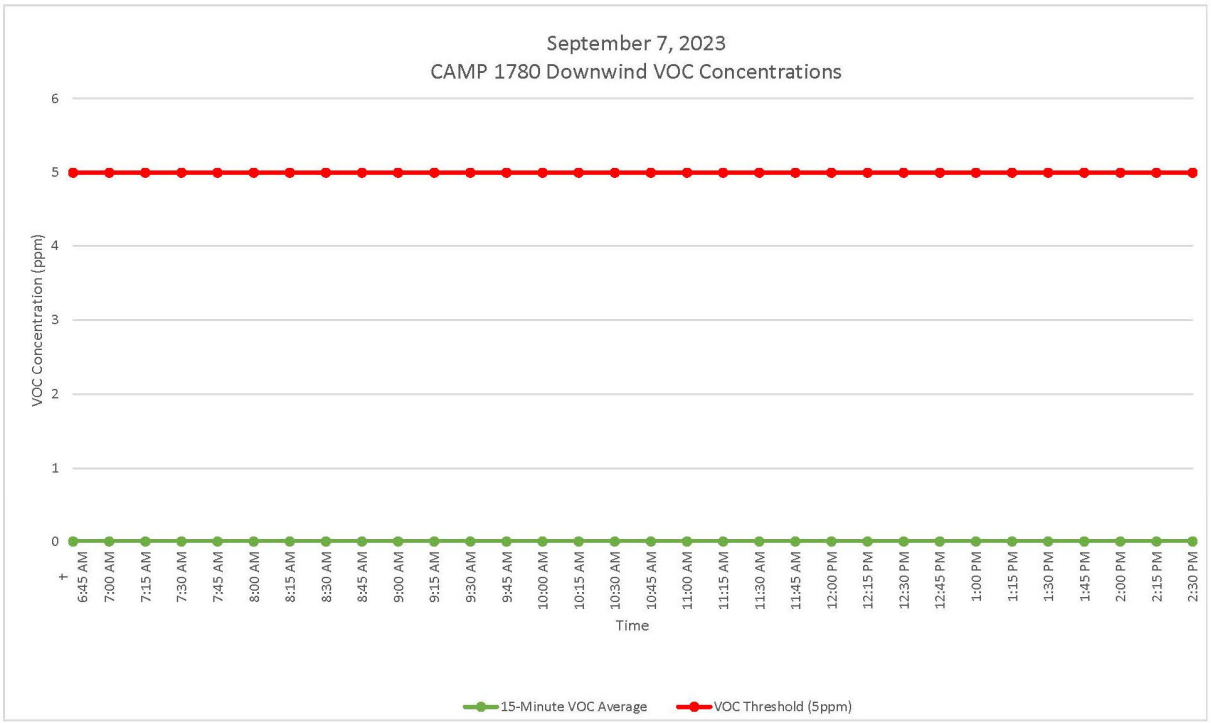


GZA DAILY FIELD SUMMARY 33

DATE: 9/7/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 33

DATE: 9/7/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	6	120	0	0	6	120
Previous	73	1,460	394	7,880	1	20	468	9,360
Total	73	1,460	**400**	**8,000**	1	20	**474**	**9,480**

GZA DAILY FIELD SUMMARY 33

DATE: 9/7/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 34

DATE: 9/8/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	84.2°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	73.5°F
		MAX WIND SPEED	15 mph from SSE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, September 8, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	Independence Carting Inc.	
	Cousin Metal Industries Inc.	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 34

DATE: 9/8/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 9/8/2023

Work Location (Attachment A): Grid B2, B4, B5, C4, C5, D3, and D5.

1. Soil Solutions continued driving and welding piles in grids B4, B5, C4, and D3.
2. Approximately 13 additional piles delivered to the Site and stored in grids C5 and D5.
3. Cousins Metal Industries Inc. transported one roll-off container of cut piles off-Site.
4. Shallow excavation (approximately 2 ft deep) around piles in grid B2 in preparation for the installation of pile caps. Excavated soils were spread around the excavation and compacted.
5. Independence Carting, Inc. transported two roll-off containers of C&D debris from grids B4 and B5 off-Site.
6. Materials for the installation of pile caps were delivered and stored in grids A1 and A2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 11.68 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 33.66 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

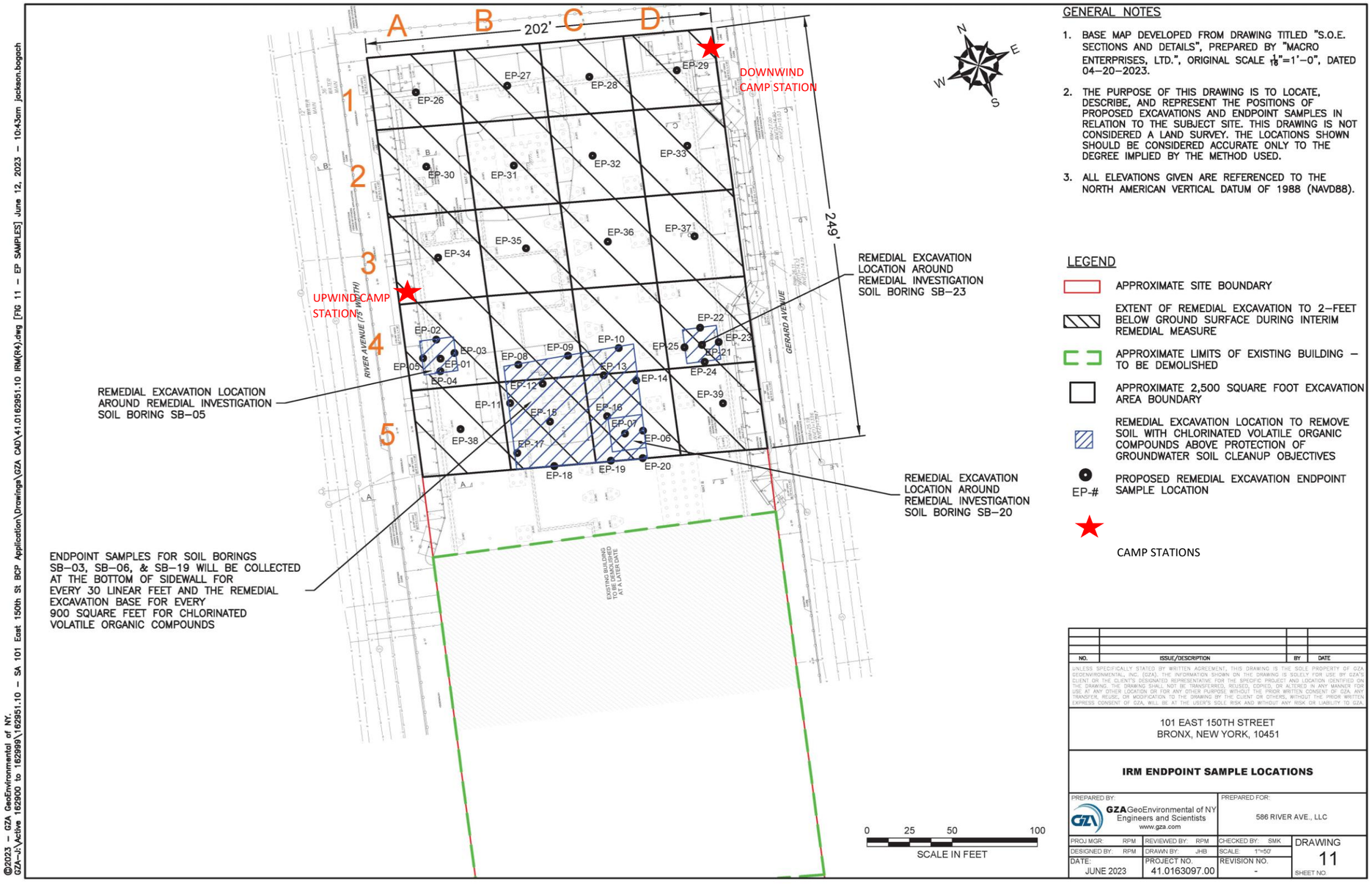
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 34

DATE: 9/8/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

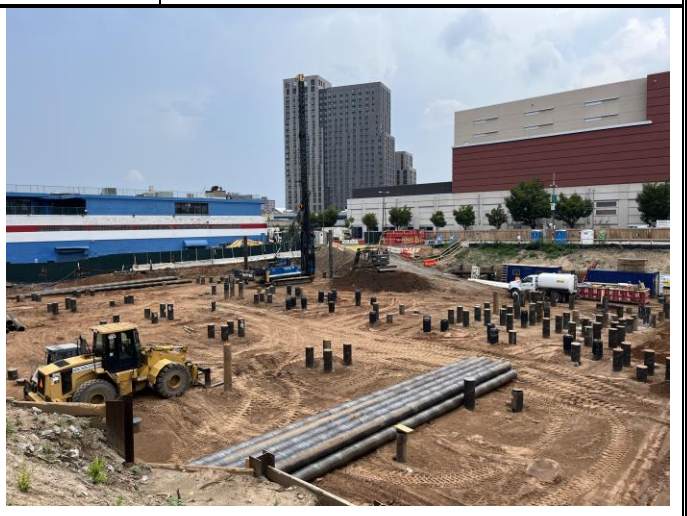
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 34

DATE: 9/8/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** North
Description: Soil Solutions driving pile in grid B-4.		**Description:** Additional piles being delivered to the Site.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No.** 4	**Direction Photo Taken** Southwest
			
Description: J&A loading a roll-off container with C&D debris for transport off-Site.		**Description:** Overview of Site at the end of the day.	

GZA DAILY FIELD SUMMARY 34

DATE: 9/8/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 8, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

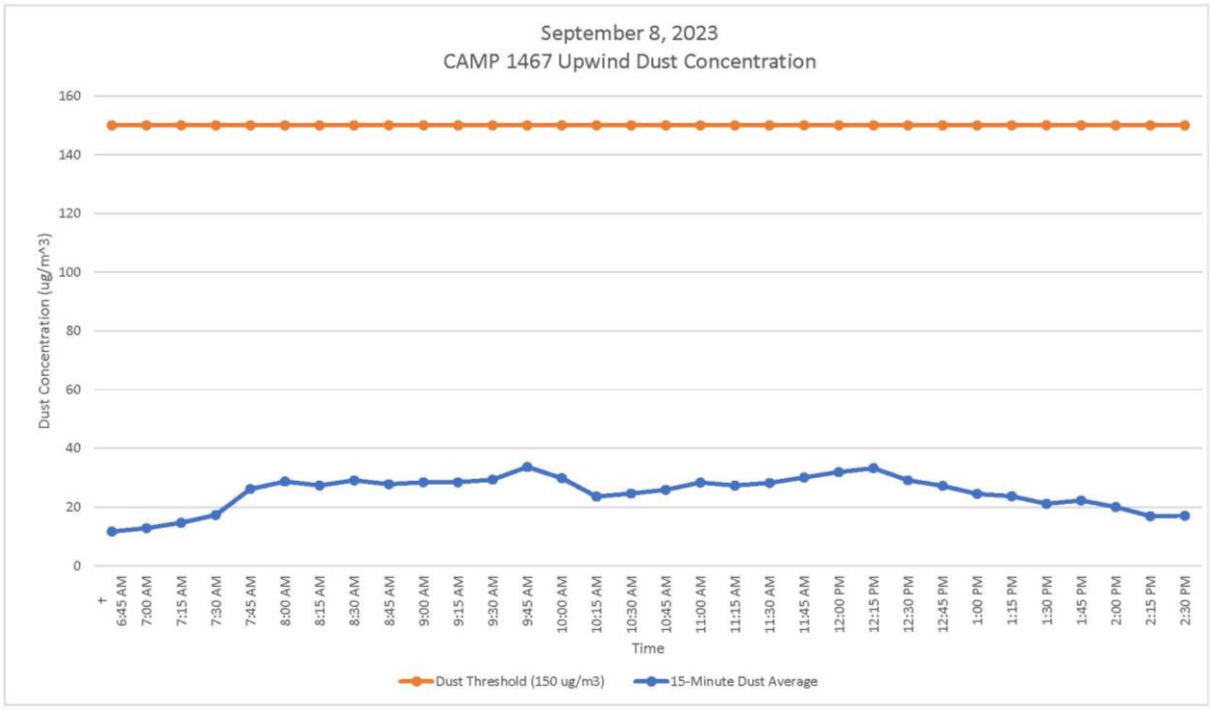
PID 1: 0.0
PID 2: 0.0

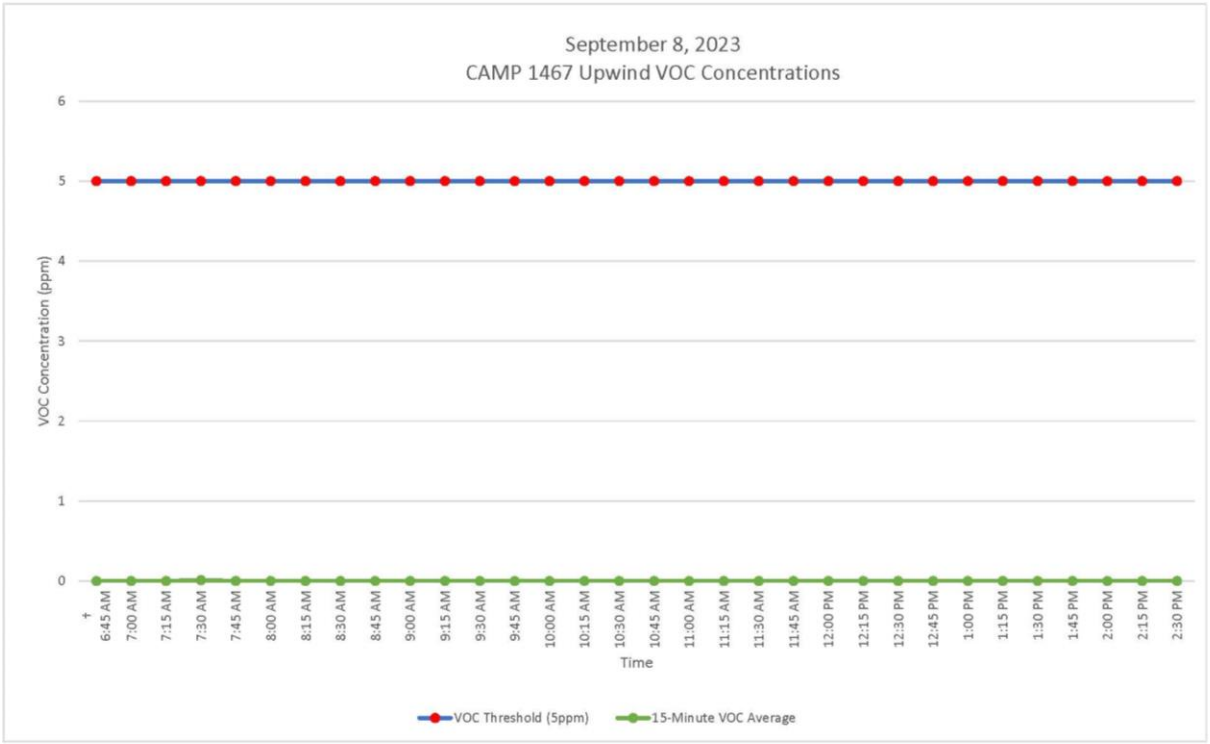
Data Ram 1: 11.68
Data Ram 2: 11.11

GZA DAILY FIELD SUMMARY 34

DATE: 9/8/2023

FILE NO: 41.0163097.00

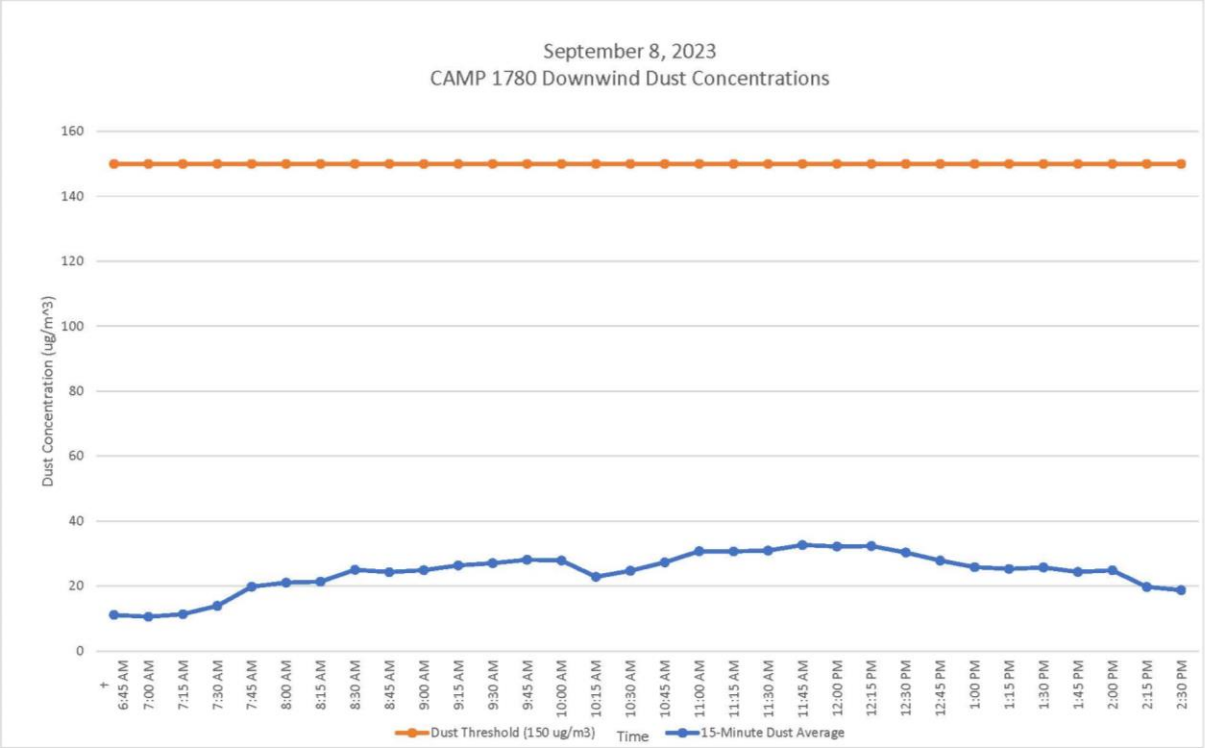


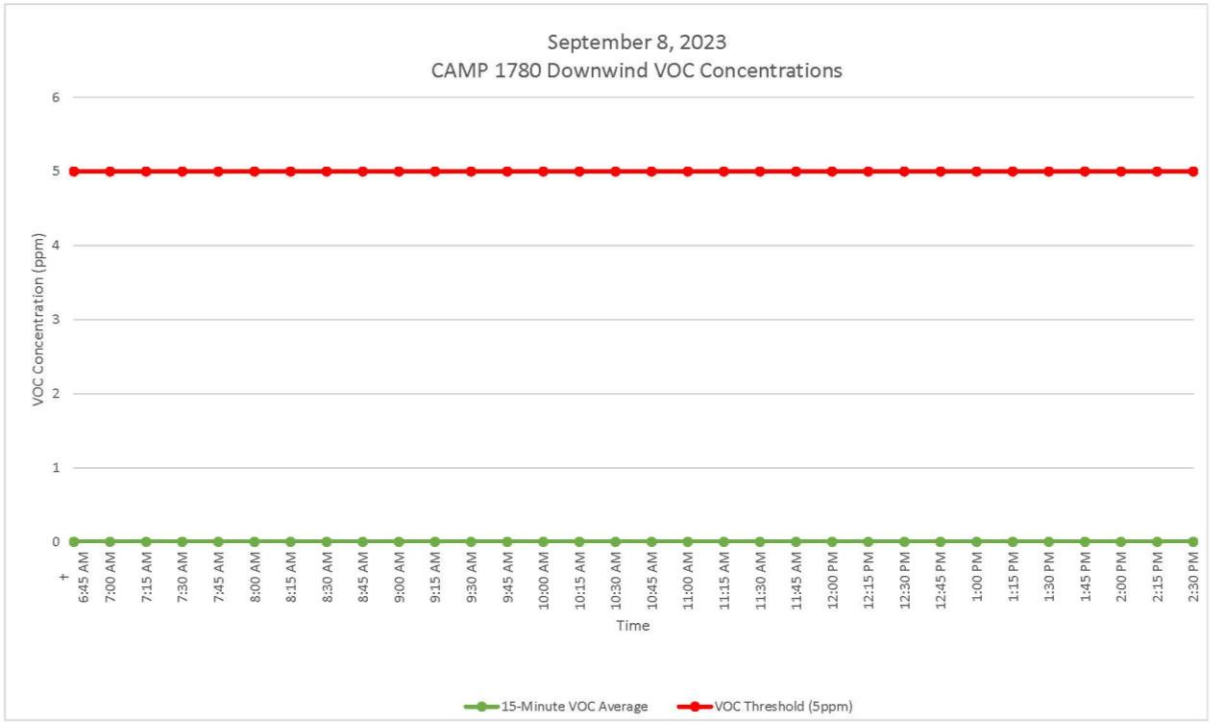


GZA DAILY FIELD SUMMARY 34

DATE: 9/8/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 34

DATE: 9/8/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	400	8,000	1	20	474	9,480
Total	**73**	**1,460**	**400**	**8,000**	**1**	**20**	**474**	**9,480**

GZA DAILY FIELD SUMMARY 34

DATE: 9/8/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 35

DATE: 9/11/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy/Light Rain
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	74.70°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	69.97°F
		MAX WIND SPEED	10 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	2.15 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, September 11, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	PT Consultants	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 35

DATE: 9/11/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 9/11/2023

Work Location (Attachment A): Grid B4, B5, C2, C4, D2, and D3.

1. J&A loaded three truckloads of soil from Grid B4 for transport off-Site to Clean Earth of Carteret.
2. Soil Solutions continued driving and welding piles in grids B4, B5, C4, and D3.
3. Approximately 15 additional piles delivered to the Site and stored in grids C2 and D2.
4. J&A extended the entry ramp with the remaining soil in grid B-4. Excavated soils were also spread adjacent to the ramp and compacted.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 10.91 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 21.47 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- Three truckloads of soil were exported off-Site to Clean Earth of Carteret, NJ during this monitoring period.

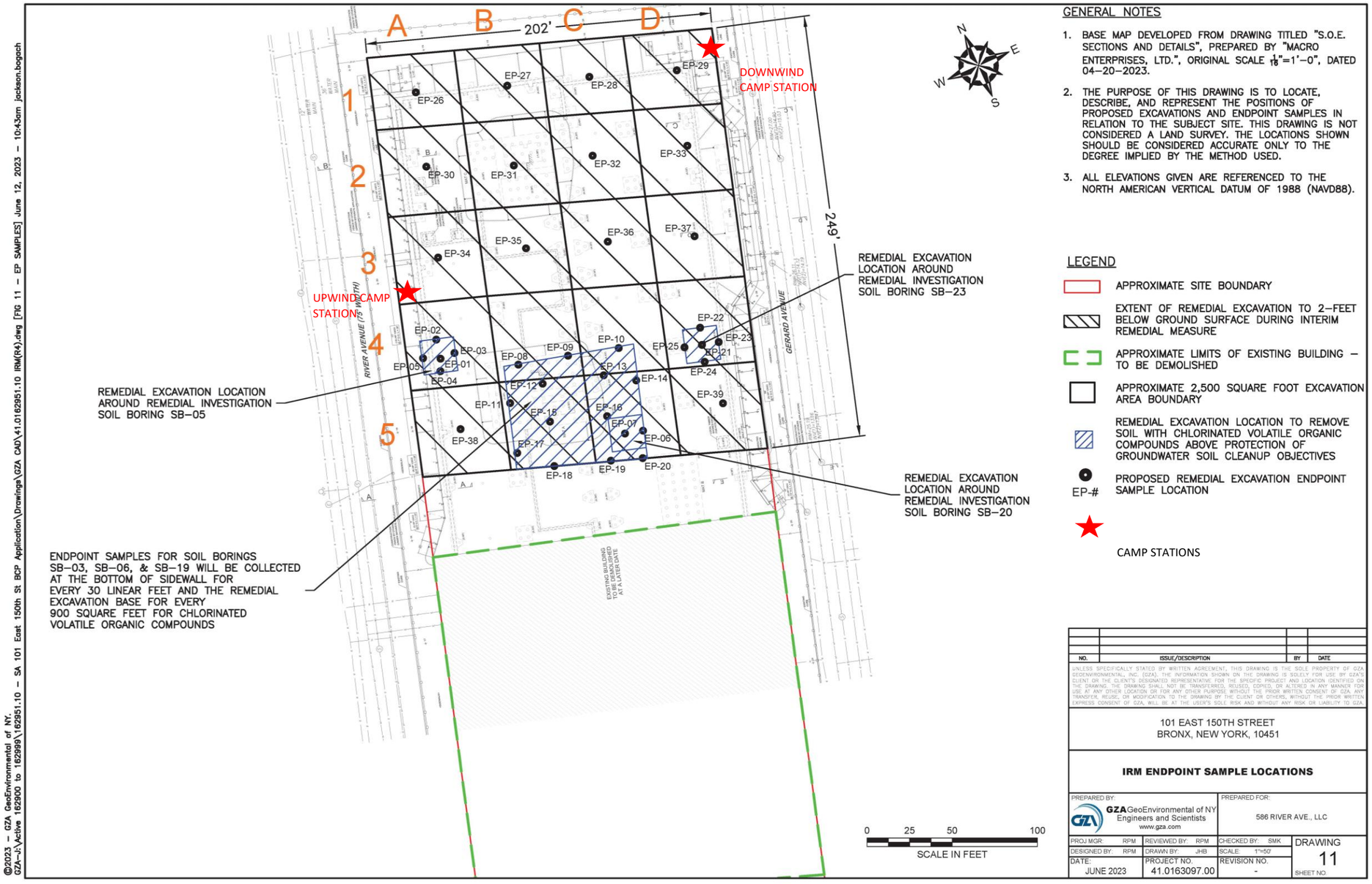
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 35

DATE: 9/11/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 35

DATE: 9/11/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken Northeast
Description: Soil Solutions driving pile in grid C-4.		**Description:** J&A loading soil from grid B-4 into Munoz truck for transport off-Site.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No. 4**	**Direction Photo Taken** Southwest
Description: J&A using excavator to re-shape entry ramp.		**Description:** Overview of Site at the end of the day.	

GZA DAILY FIELD SUMMARY 35

DATE: 9/11/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 11, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

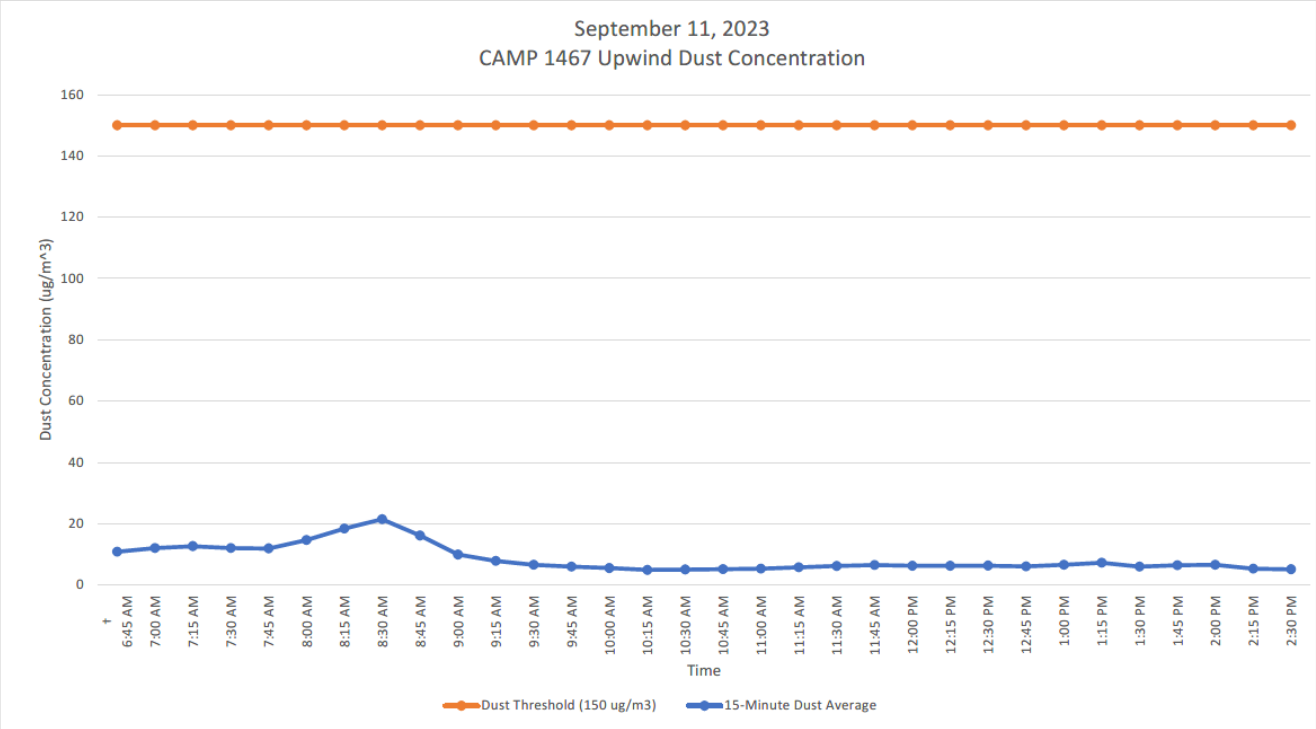
PID 1: 0.0
PID 2: 0.0

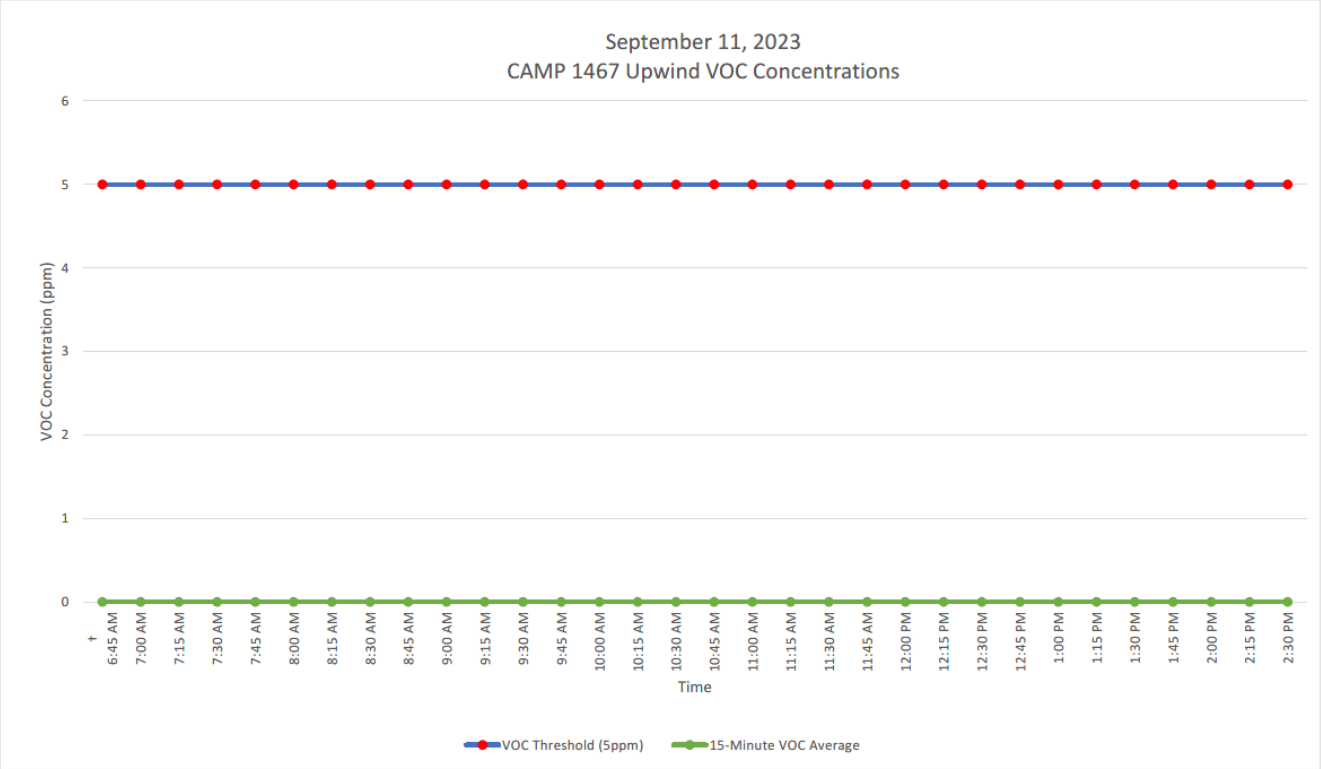
Data Ram 1: 10.91
Data Ram 2: 10.83

GZA DAILY FIELD SUMMARY 35

DATE: 9/11/2023

FILE NO: 41.0163097.00

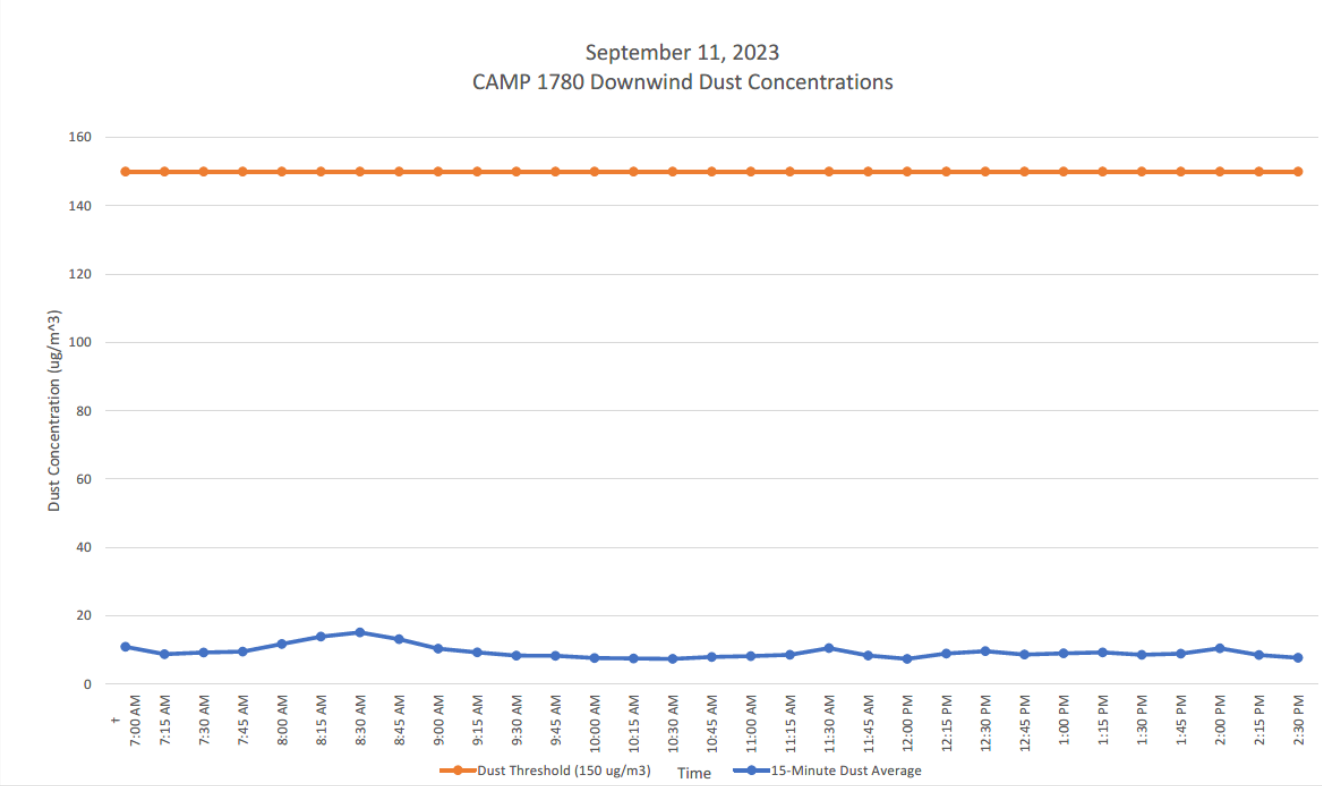


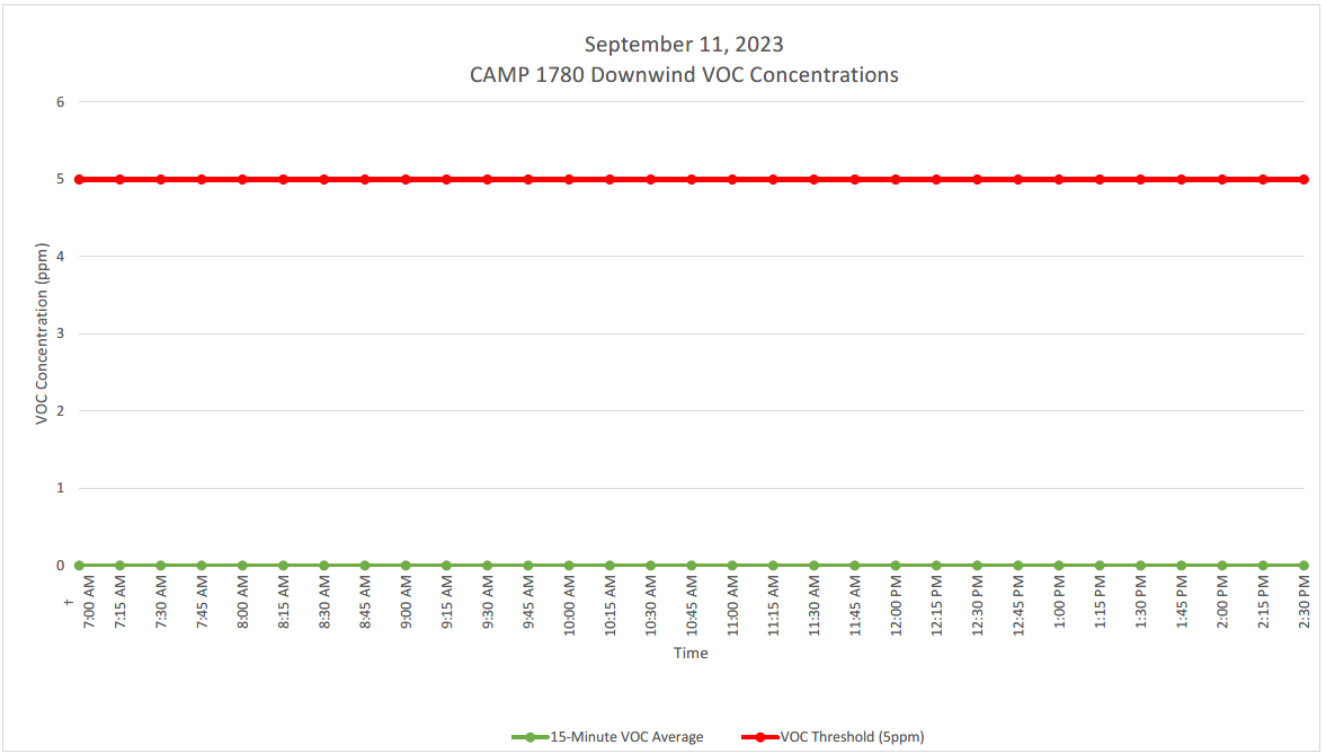


GZA DAILY FIELD SUMMARY 35

DATE: 9/11/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 35

DATE: 9/11/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	3	60	0	0	3	60
Previous	73	1,460	400	8,000	1	20	474	9,480
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 35

DATE: 9/11/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 36

DATE: 9/12/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast/Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	74.17°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	66.00°F
		MAX WIND SPEED	8 mph from ENE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, September 12, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	PT Consultants	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 36

DATE: 9/12/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 9/12/2023

Work Location (Attachment A): Grid B4, B5, C1, C4, C5, D1, D4 and D5.

1. Soil Solutions continued driving and welding piles in grids B4, B5, C4, and C5.
2. Approximately 15 additional piles delivered to the Site and stored in grids D4 and D5.
3. J&A excavated soil from the northern boundary of grids C1 and D1 in preparation for future lagging installation. Excavated soils were spread into adjacent areas and compacted.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 5.78 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 8.50 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

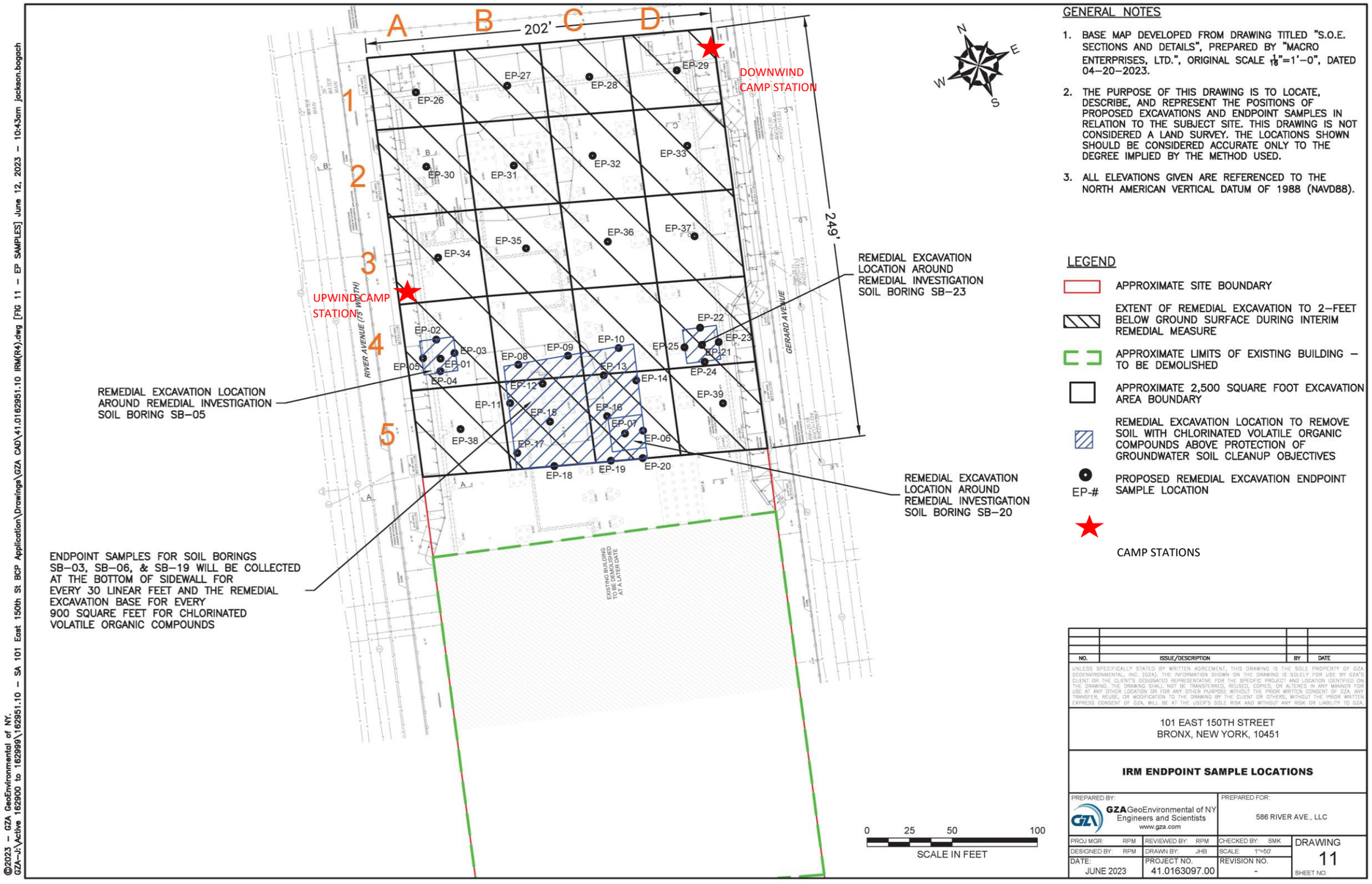
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 36

DATE: 9/12/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

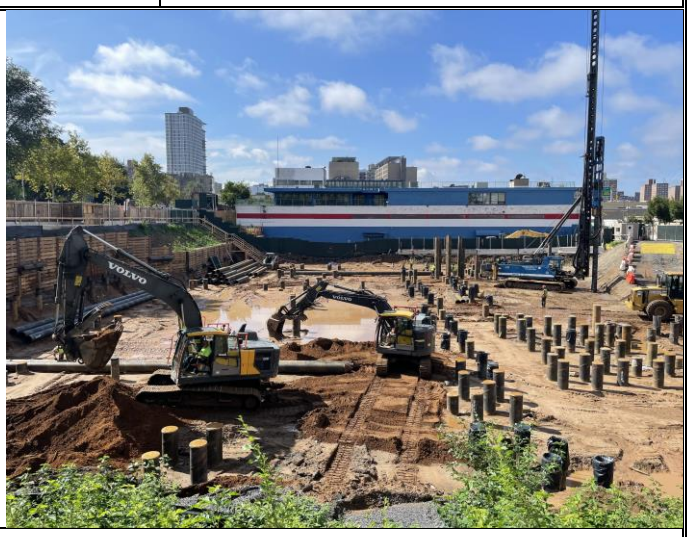
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 36

DATE: 9/12/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Soil Solutions driving pile in grid C4.		**Description:** Additional piles delivered to Site. Stored in Grids D4 and D5.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No.** 4	**Direction Photo Taken** South
			
Description: J&A excavating soil at northern portion of Grid C1.		**Description:** J&A excavating and compacting soil in Grids C1 and D1.	

GZA DAILY FIELD SUMMARY 36

DATE: 9/12/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 12, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

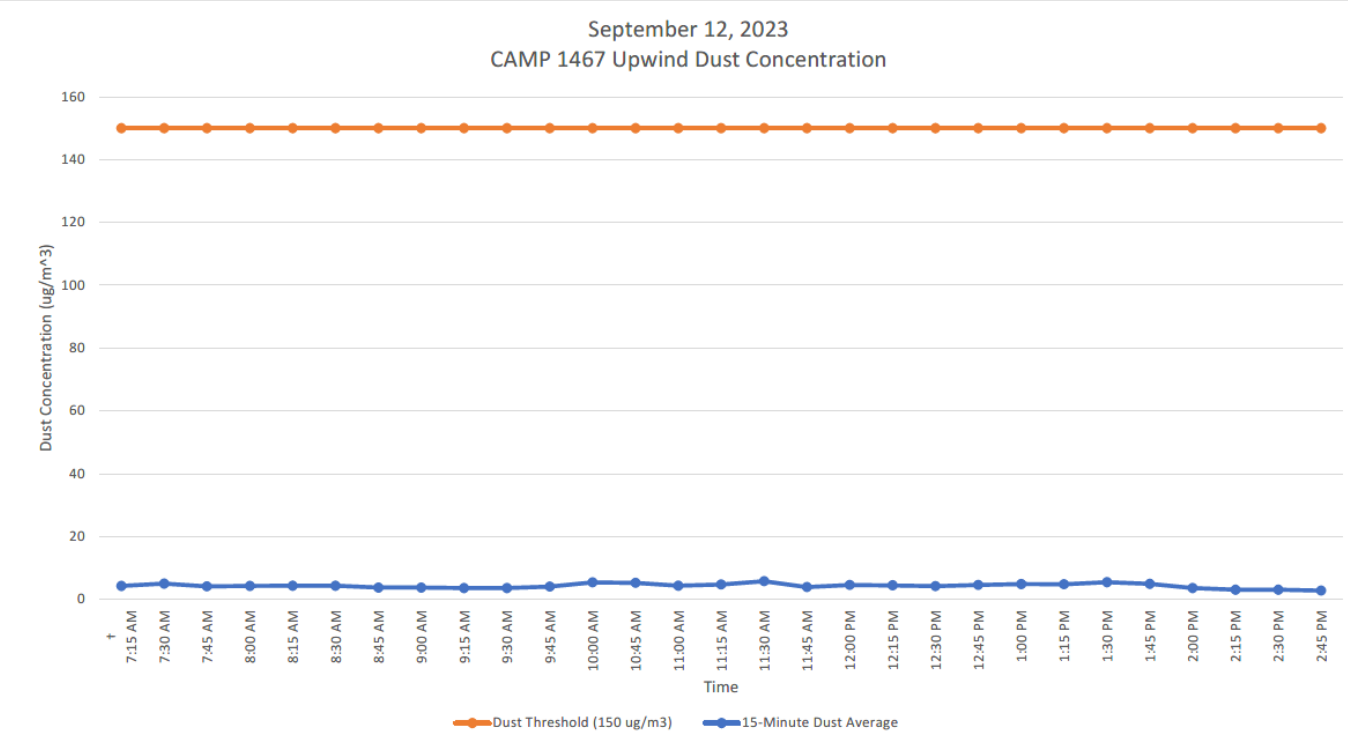
Background Readings:
PID 1: 0.0
PID 2: 0.0

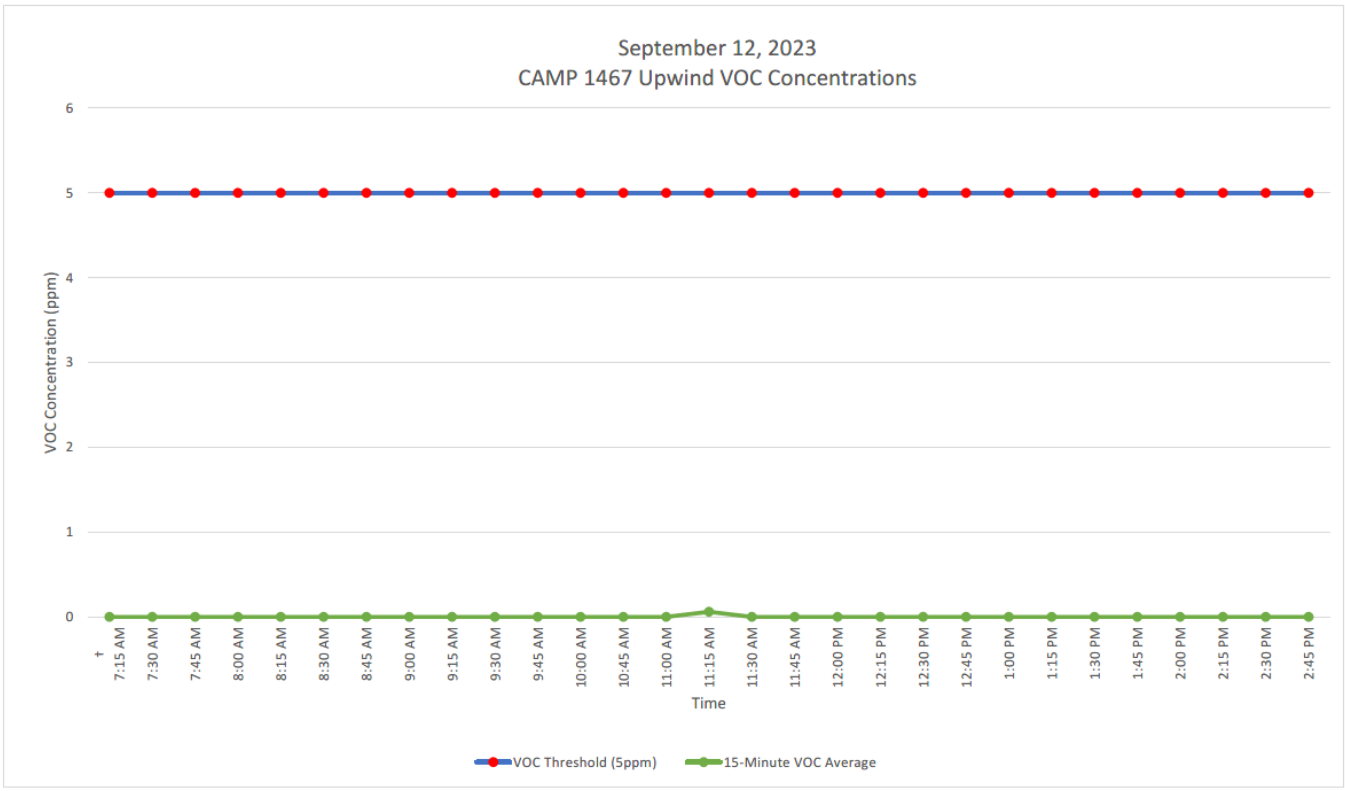
Data Ram 1: 5.78
Data Ram 2: 4.22

GZA DAILY FIELD SUMMARY 36

DATE: 9/12/2023

FILE NO: 41.0163097.00

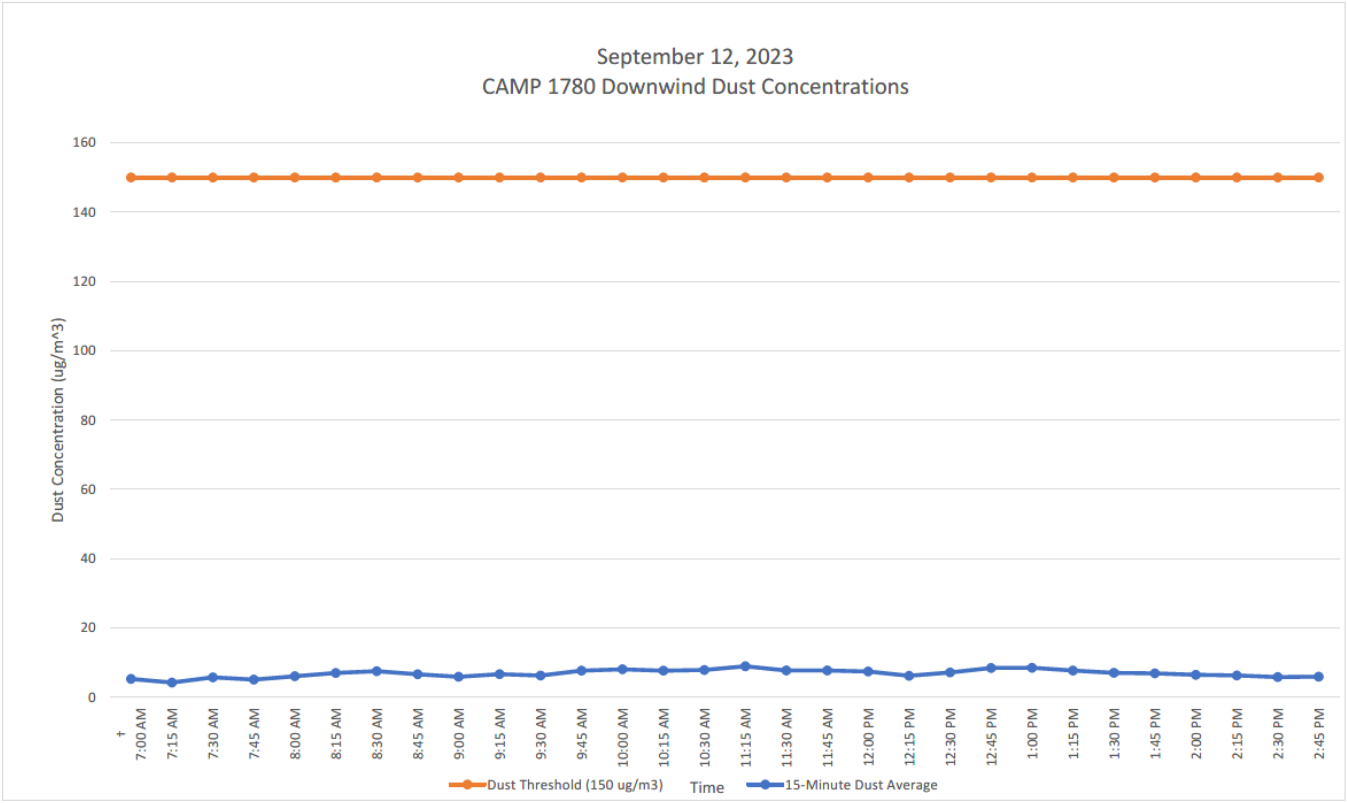


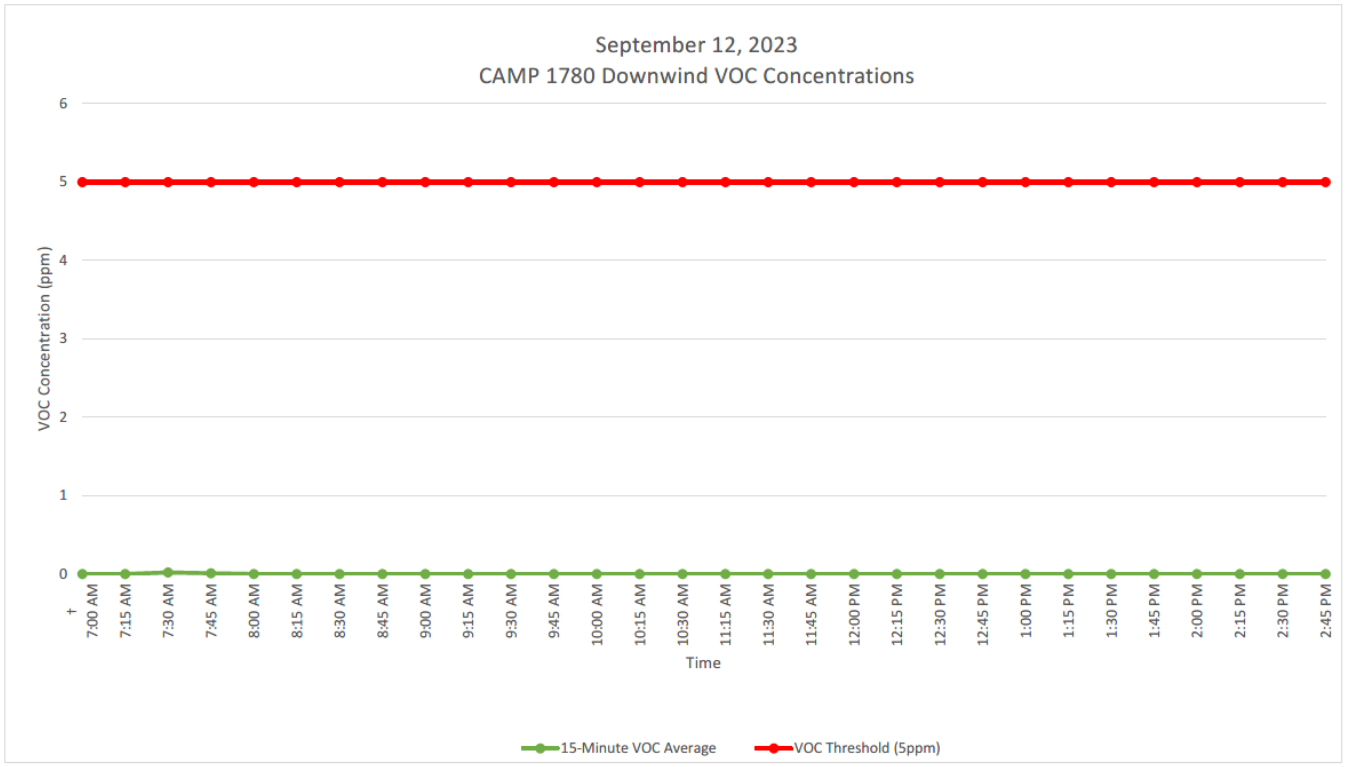


GZA DAILY FIELD SUMMARY 36

DATE: 9/12/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 36

DATE: 9/12/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 36

DATE: 9/12/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 37

DATE: 9/13/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	75.85°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	68.4°F
		MAX WIND SPEED	15 mph from SSE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.11 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, September 13, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 37

DATE: 9/13/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 9/13/2023

Work Location (Attachment A): Grid B4, C1, C2, C4, C5, D1, D2, D4, and D5.

1. Soil Solutions continued driving and welding piles in grids B4, C4, and C5.
2. Approximately 7 additional piles delivered to the Site and stored in grids D4 and D5.
3. J&A excavated soil around piles in grids D1 and D2 in preparation for future pile cap installation. Excavated soils were stockpiled in grids C1 and D1.
4. J&A excavated soil from grid C2 in preparation for future pile cap installation. Excavated soils were spread into adjacent areas and compacted.
5. Steel and components for pile reinforcing (rebar) cages were delivered to the Site and stored on the western side of grid D2. J&A started construction of rebar cages in the same grid.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.66 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 12.52 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

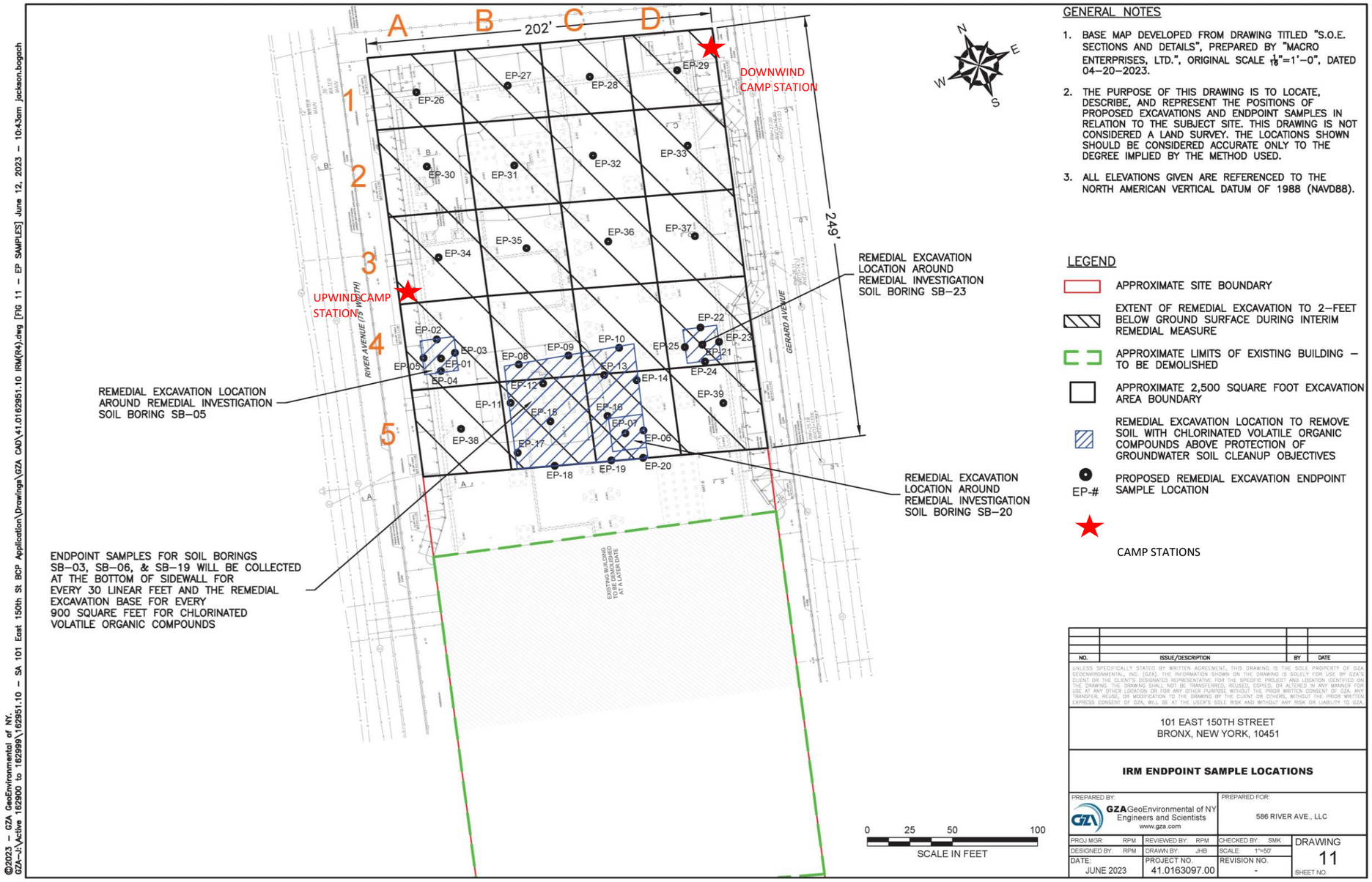
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 37

DATE: 9/13/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
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- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 37

DATE: 9/13/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** Northeast
Description: Soil Solutions driving pile in grid C5.		**Description:** Additional piles delivered to Site. Stored in Grids D4 and D5.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** Southeast
Description: Excavation around piles in Grids C2, D1, and D2; also shown construction of rebar cages in Grid C2.		**Description:** Rebar cages stored in Grid C2.	

GZA DAILY FIELD SUMMARY 37

DATE: 9/13/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 13, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held X YES NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

Background Readings:

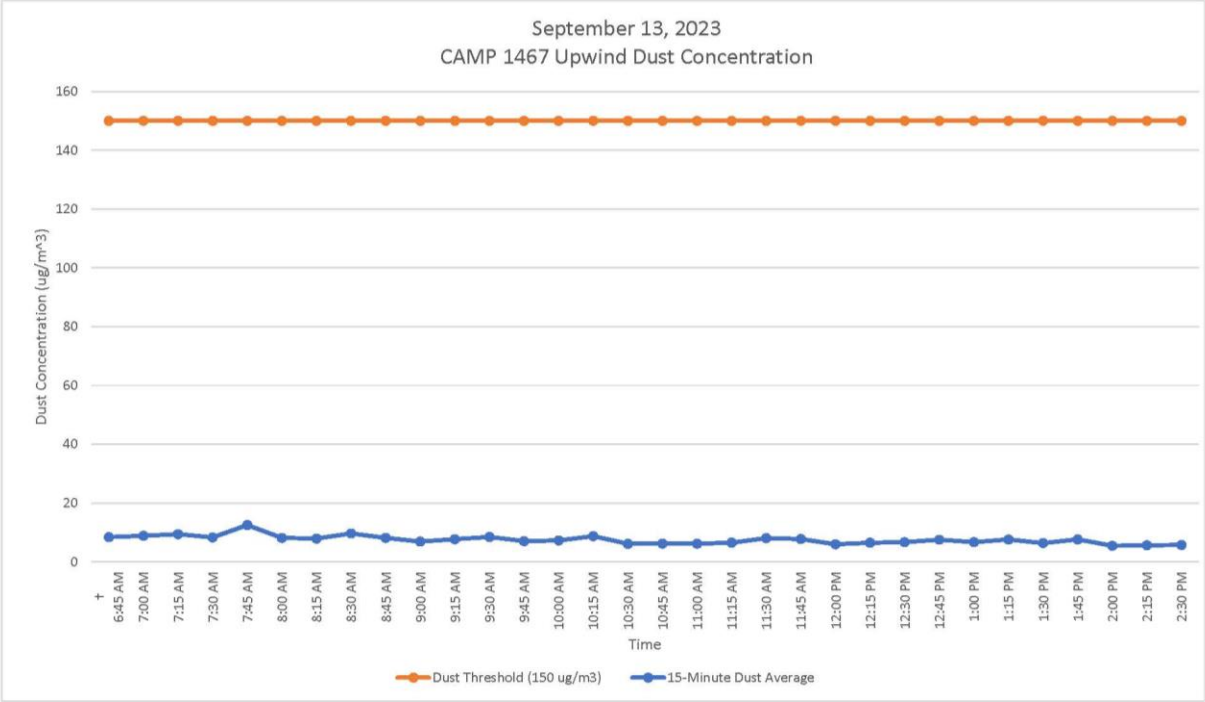
PID 1: 0.0
PID 2: 0.0

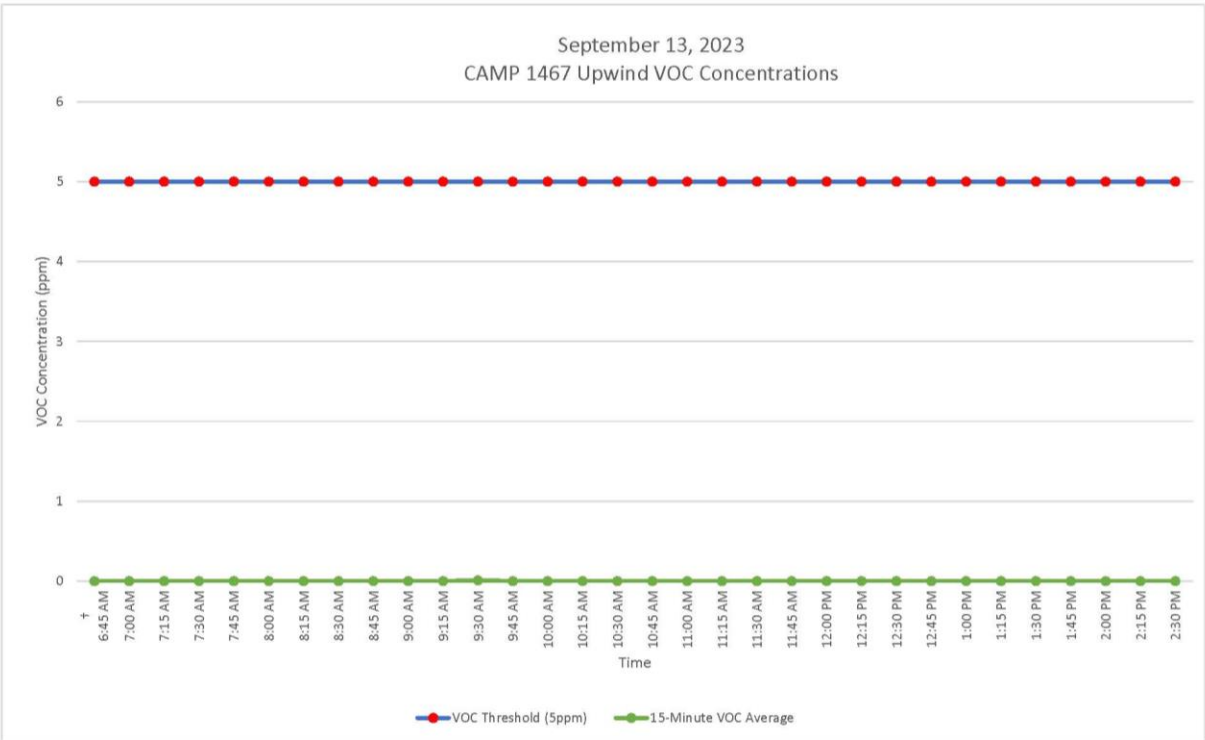
Data Ram 1: 8.44
Data Ram 2: 9.66

GZA DAILY FIELD SUMMARY 37

DATE: 9/13/2023

FILE NO: 41.0163097.00

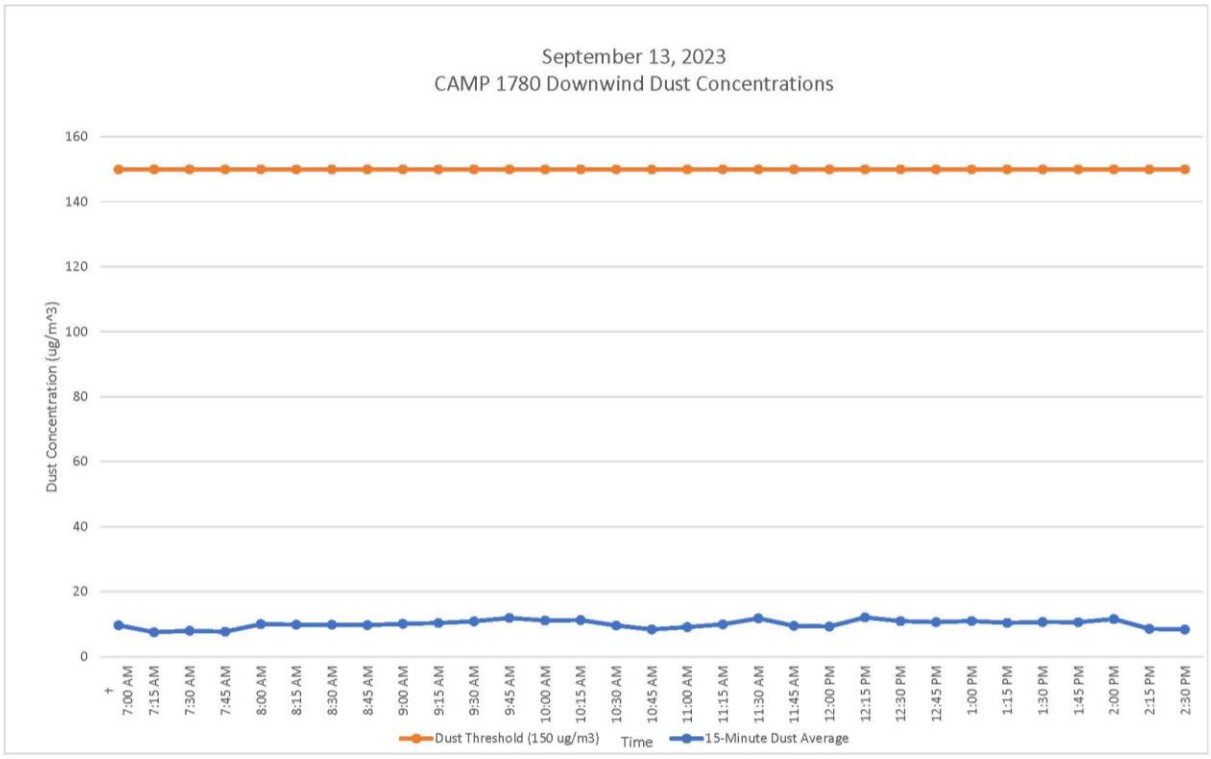


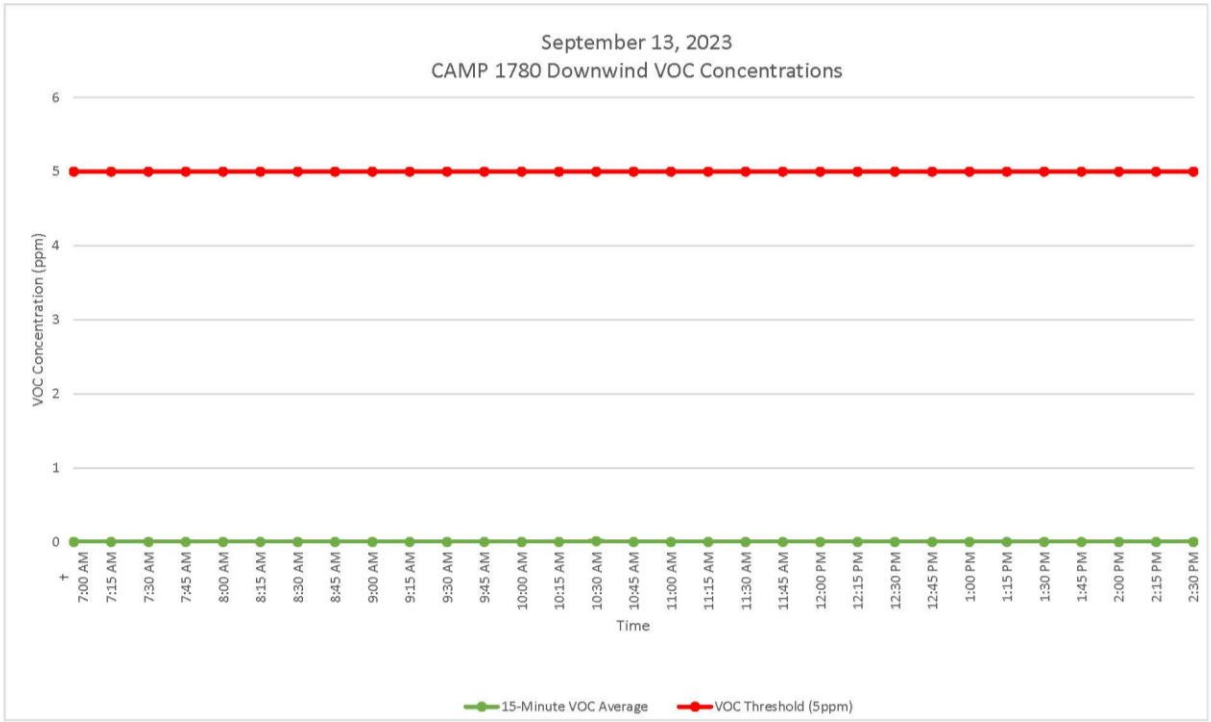


GZA DAILY FIELD SUMMARY 37

DATE: 9/13/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 37

DATE: 9/13/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 37

DATE: 9/13/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 38

DATE: 9/14/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	70.5°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	56.94°F
		MAX WIND SPEED	13 mph from NNE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.01 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, September 14, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 38

DATE: 9/14/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 9/14/2023

Work Location (Attachment A): Grid B2, B3, B4, C1, D2, and D3.

1. Soil Solutions continued driving and welding piles in grids B2, B3, B4, C1, and D2.
2. Approximately 9 additional piles delivered to the Site and stored in grids D2 and D3.
3. Cousins Metal Industries Inc. transported one roll-off container of cut piles off-Site.
4. J&A installed one dewatering wellpoint in grid B2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 2.05 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 9.94 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

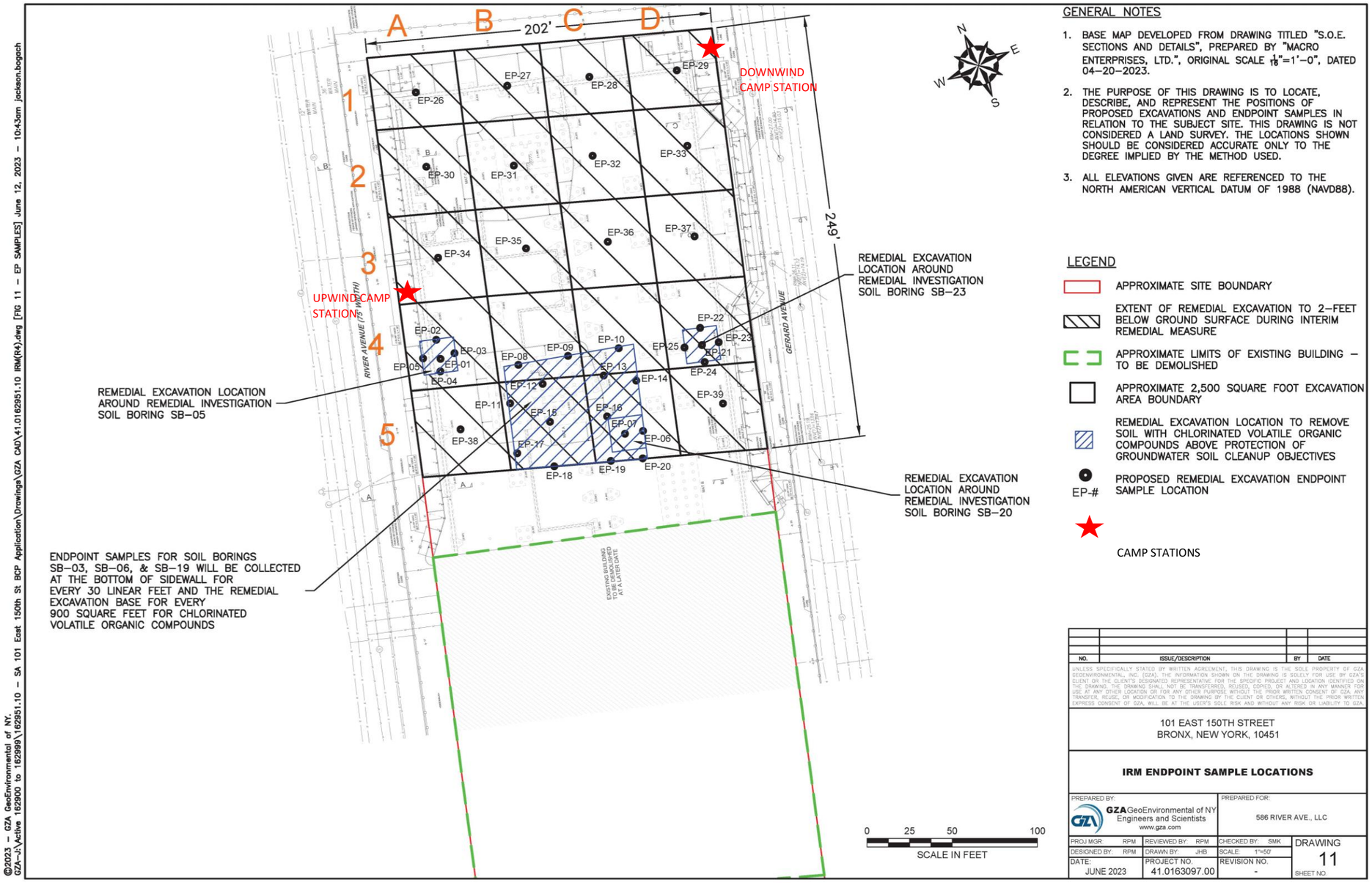
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 38

DATE: 9/14/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
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- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

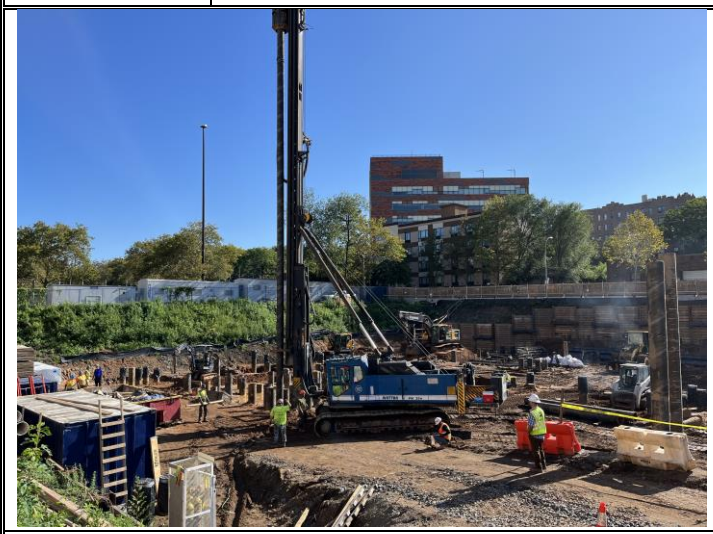
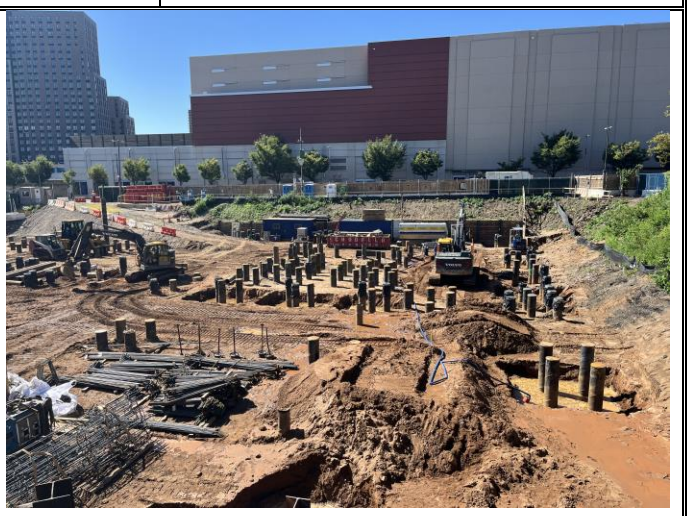
PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 38

DATE: 9/14/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northwest
			
Description: Soil Solutions driving pile in grid B2.		**Description:** Additional piles delivered to Site. Stored in Grids D2 and D3.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No.** 4	**Direction Photo Taken** West
			
Description: Dewatering wellpoint installed in Grid B2.		**Description:** Overview of the northern portion of the Site at the end of the day.	

GZA DAILY FIELD SUMMARY 38

DATE: 9/14/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 14, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held X YES NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:
1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

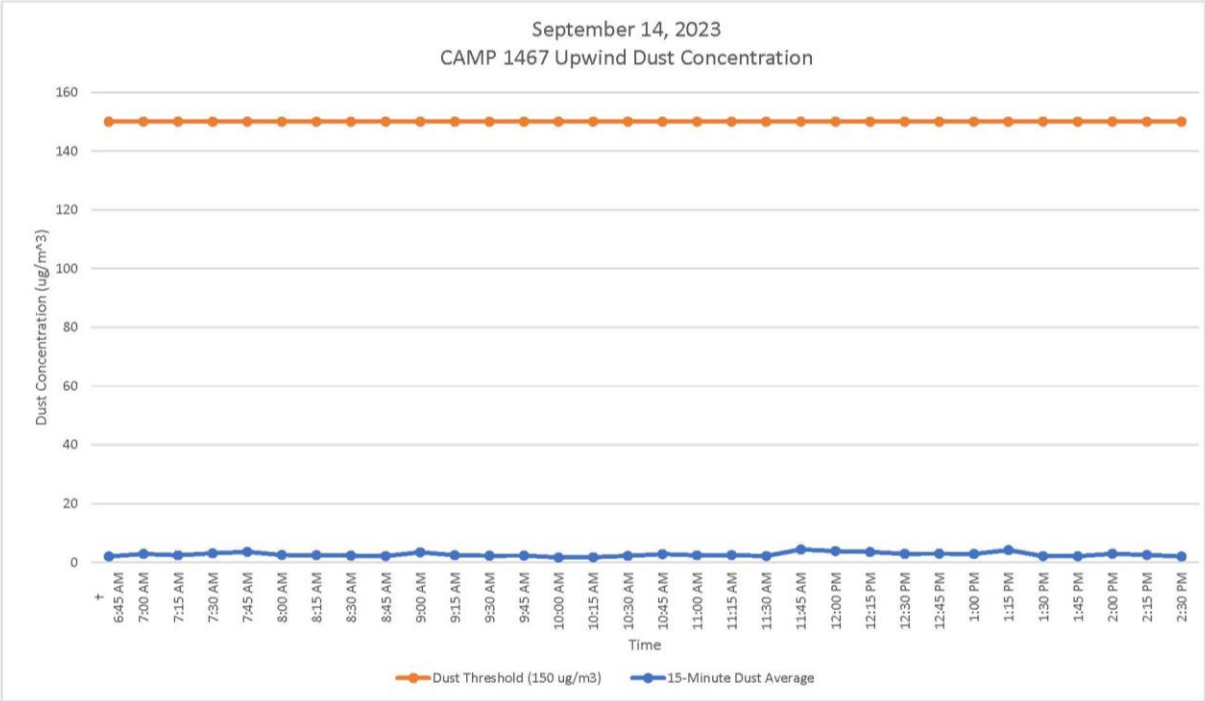
Background Readings:
PID 1: 0.0
PID 2: 0.0

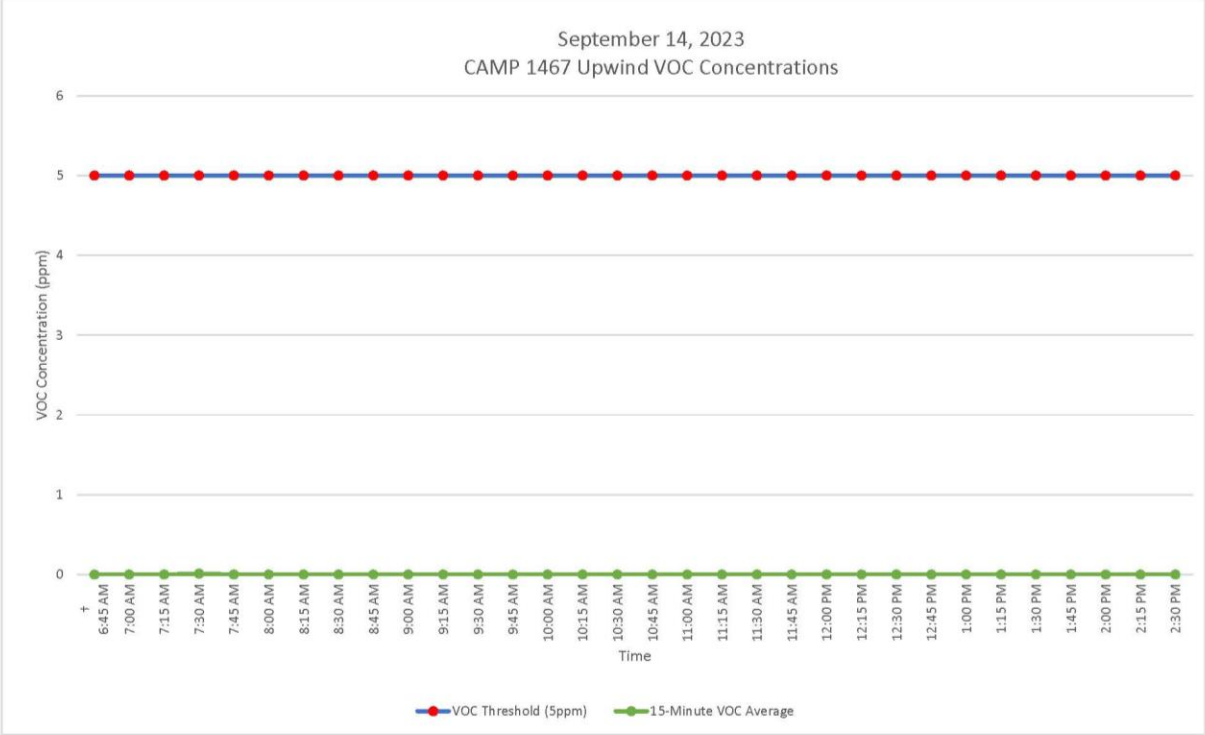
Data Ram 1: 2.05
Data Ram 2: 1.91

GZA DAILY FIELD SUMMARY 38

DATE: 9/14/2023

FILE NO: 41.0163097.00

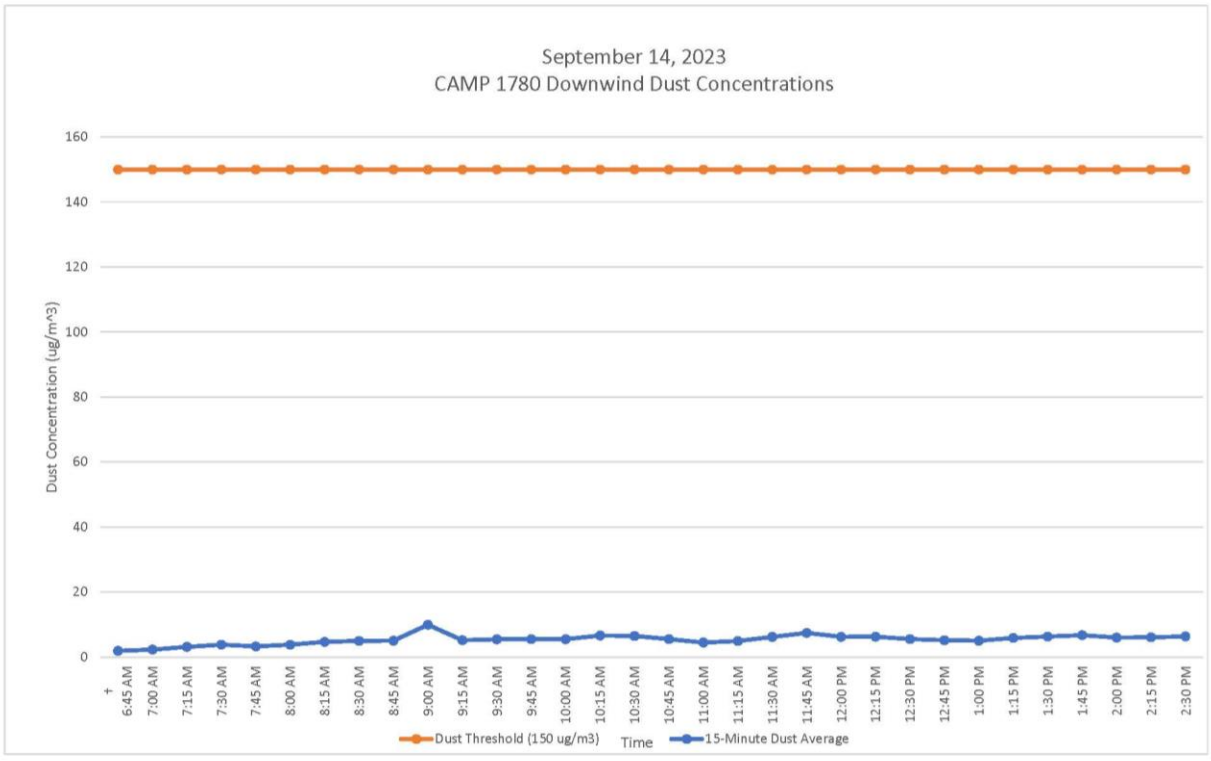


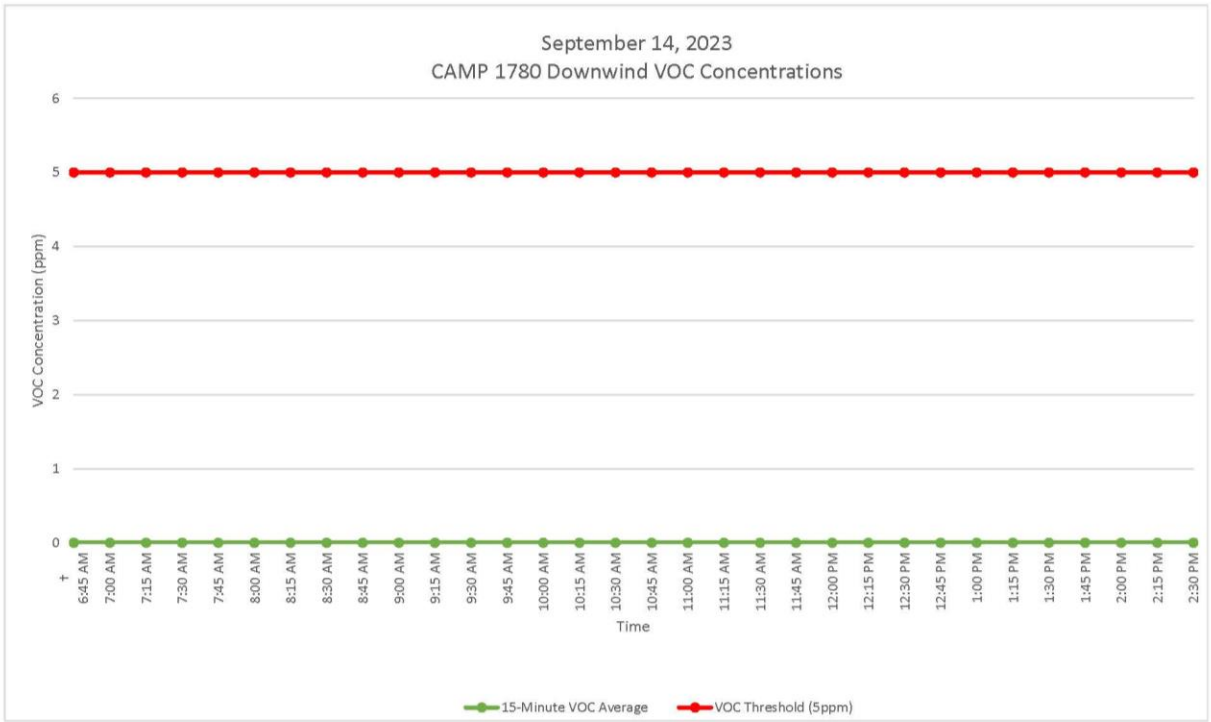


GZA DAILY FIELD SUMMARY 38

DATE: 9/14/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 38

DATE: 9/14/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 38

DATE: 9/14/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 39

DATE: 9/15/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	61.23°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	48.31°F
		MAX WIND SPEED	18 mph from N
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, September 15, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
	GTR Engineering, LLC (GTR)	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 39

DATE: 9/15/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 9/15/2023

Work Location (Attachment A): Grid A3, B1, B3, C2, C3, C4, D1, D2, and D3.

1. Soil Solutions continued driving and welding piles in grids A3, C2, C3, C4, D2, and D3.
2. J&A installed a total of three dewatering wellpoints in grid B1, B3, and D1.
3. GTR performed pile load testing.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 2.84 ug/m^3
High Conditions – PID: 0.08 ppm, Particulates: 22.48 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

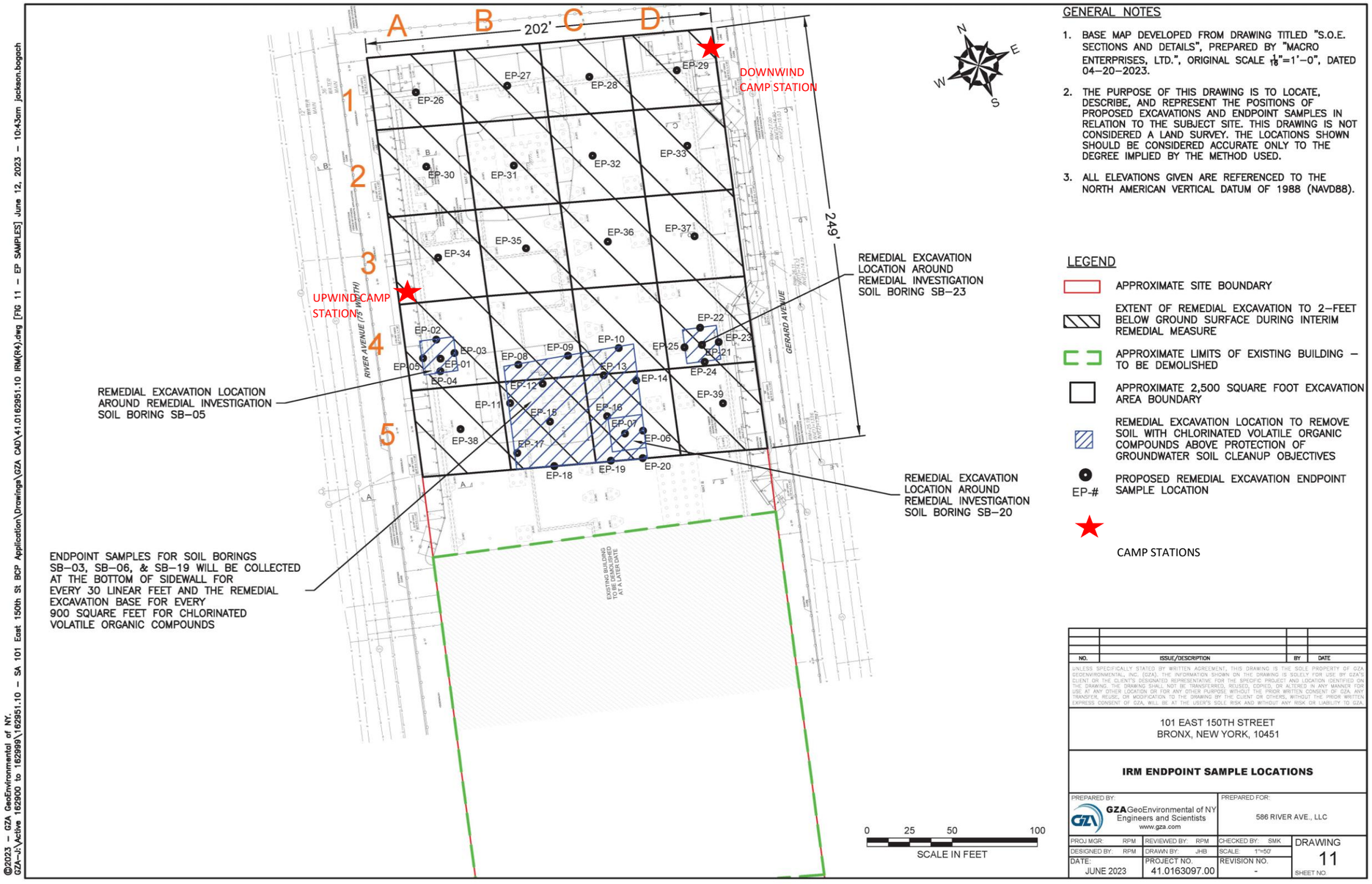
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 39

DATE: 9/15/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE 1/16"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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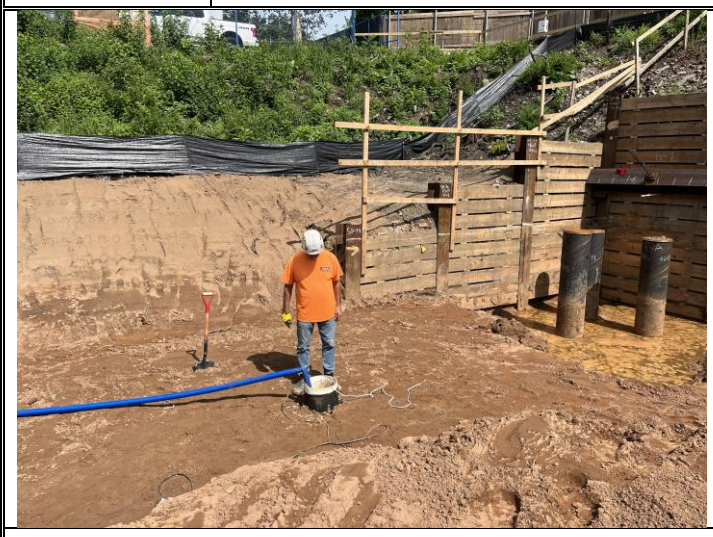
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 39

DATE: 9/15/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** Northwest
Description: Soil Solutions driving pile in Grid C3.		**Description:** Dewatering wellpoint installed in Grid B1.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** Southeast
			
Description: Dewatering wellpoint installed in Grid D1.		**Description:** Overview of the Site at the end of the day.	

GZA DAILY FIELD SUMMARY 39

DATE: 9/15/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 15, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

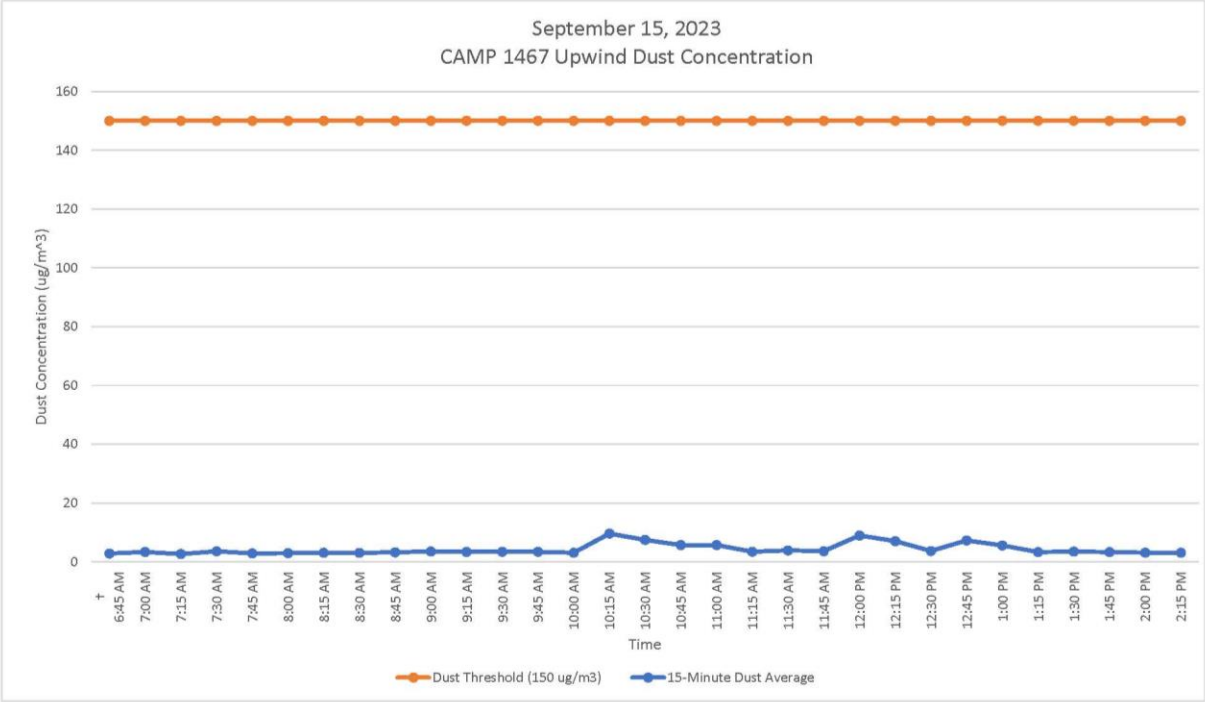
Background Readings:

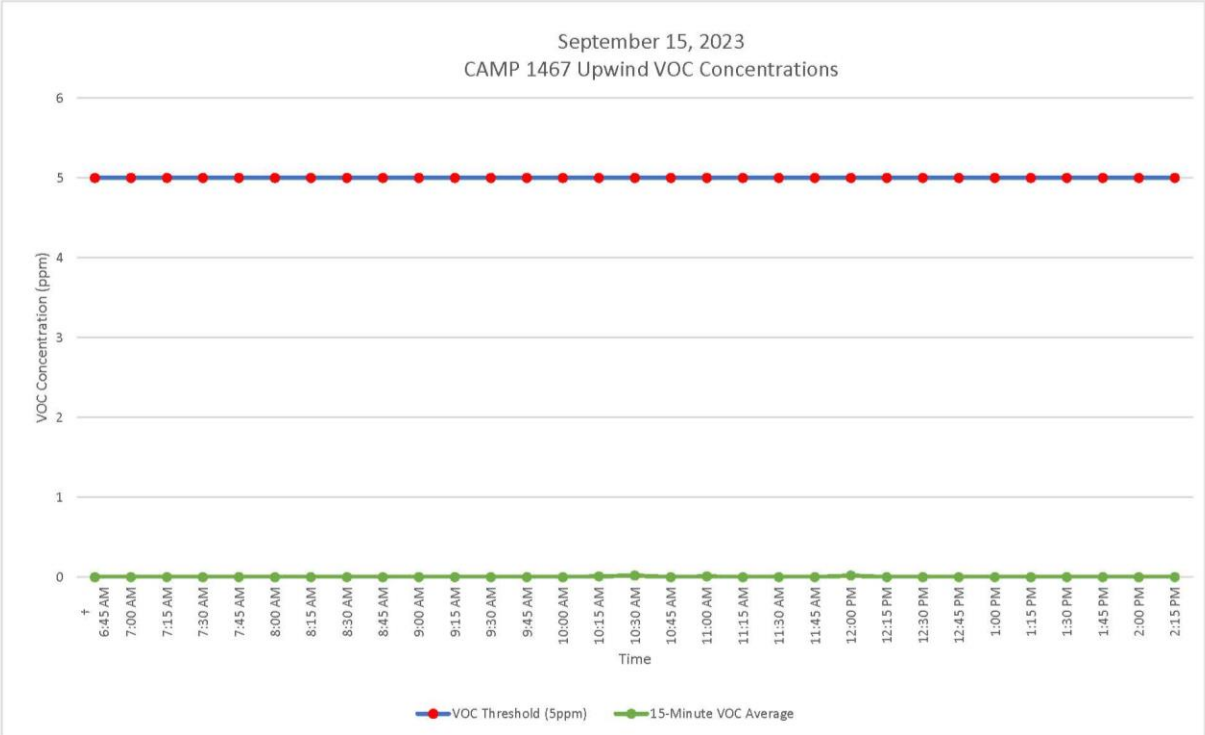
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 2.84
Data Ram 2: 1.75

GZA DAILY FIELD SUMMARY 39

DATE: 9/15/2023
FILE NO: 41.0163097.00

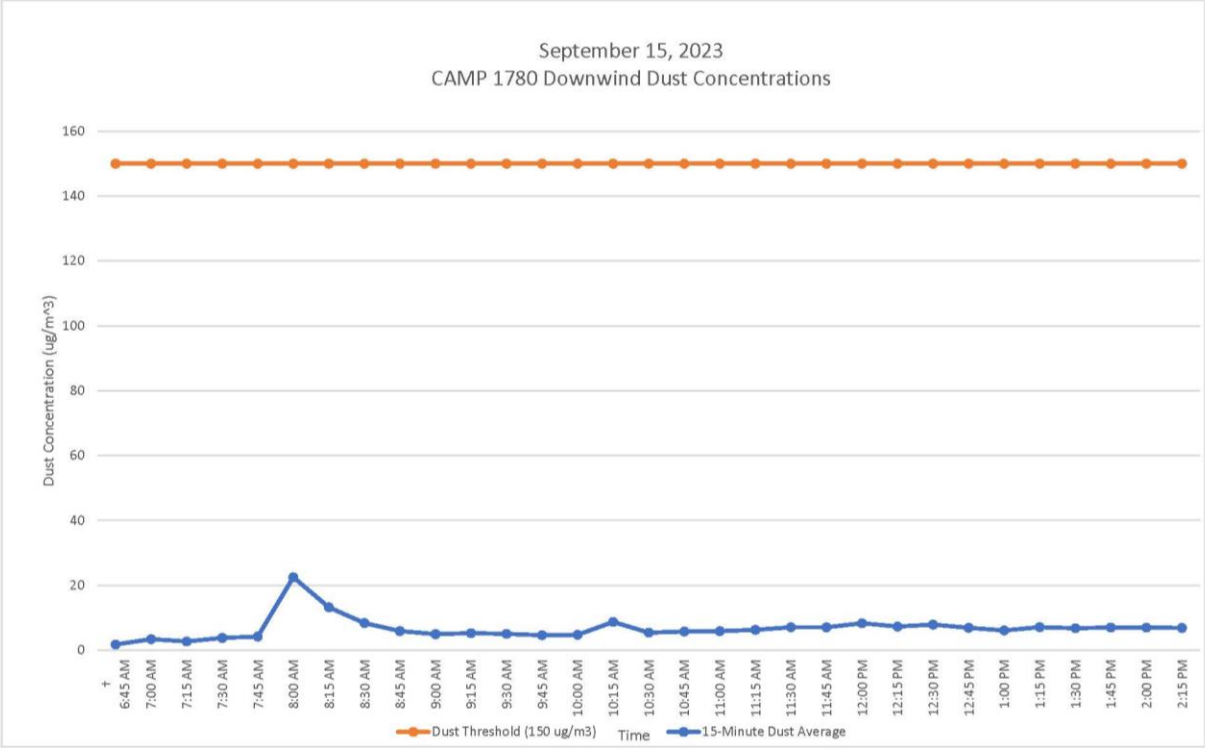


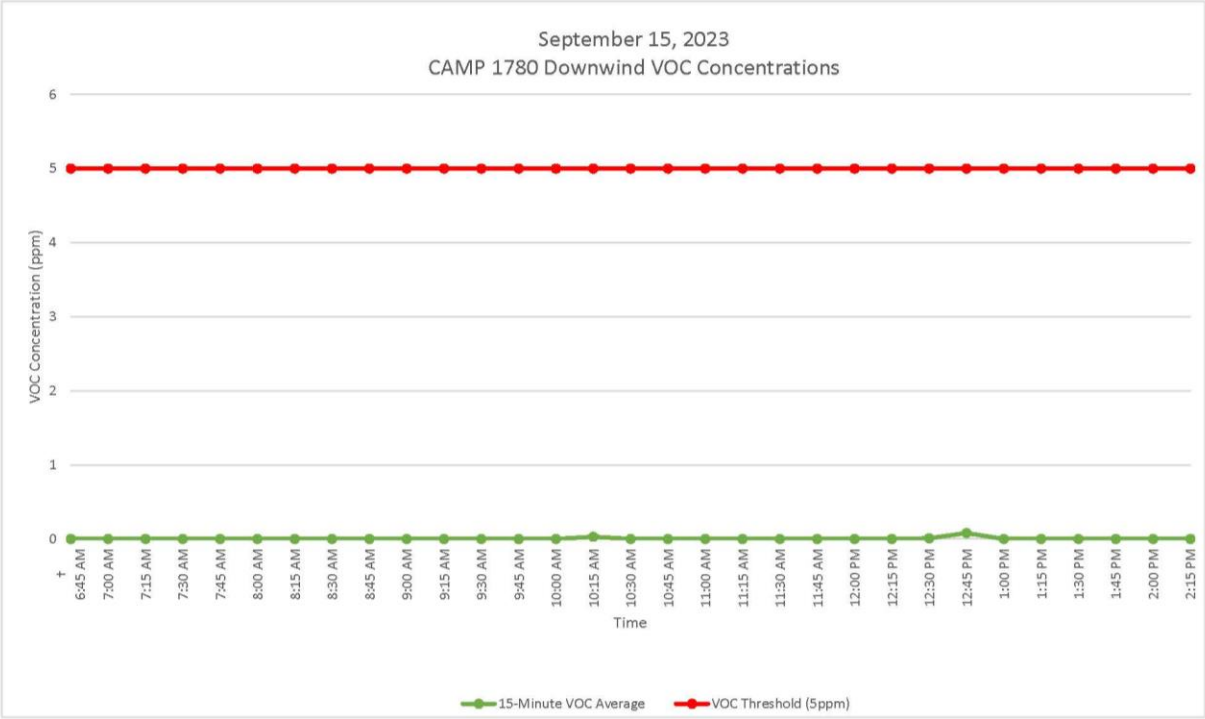


GZA DAILY FIELD SUMMARY 39

DATE: 9/15/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 39

DATE: 9/15/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 39

DATE: 9/15/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 40

DATE: 9/18/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Rain
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	66.74°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	63.32°F
		MAX WIND SPEED	14 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.47 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, September 18, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 40

DATE: 9/18/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 9/18/2023

Work Location (Attachment A): N/A

1. Work was suspended due to inclement weather.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- N/A

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – N/A
High Conditions – N/A

Air monitoring was not implemented as work was suspended for the day.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

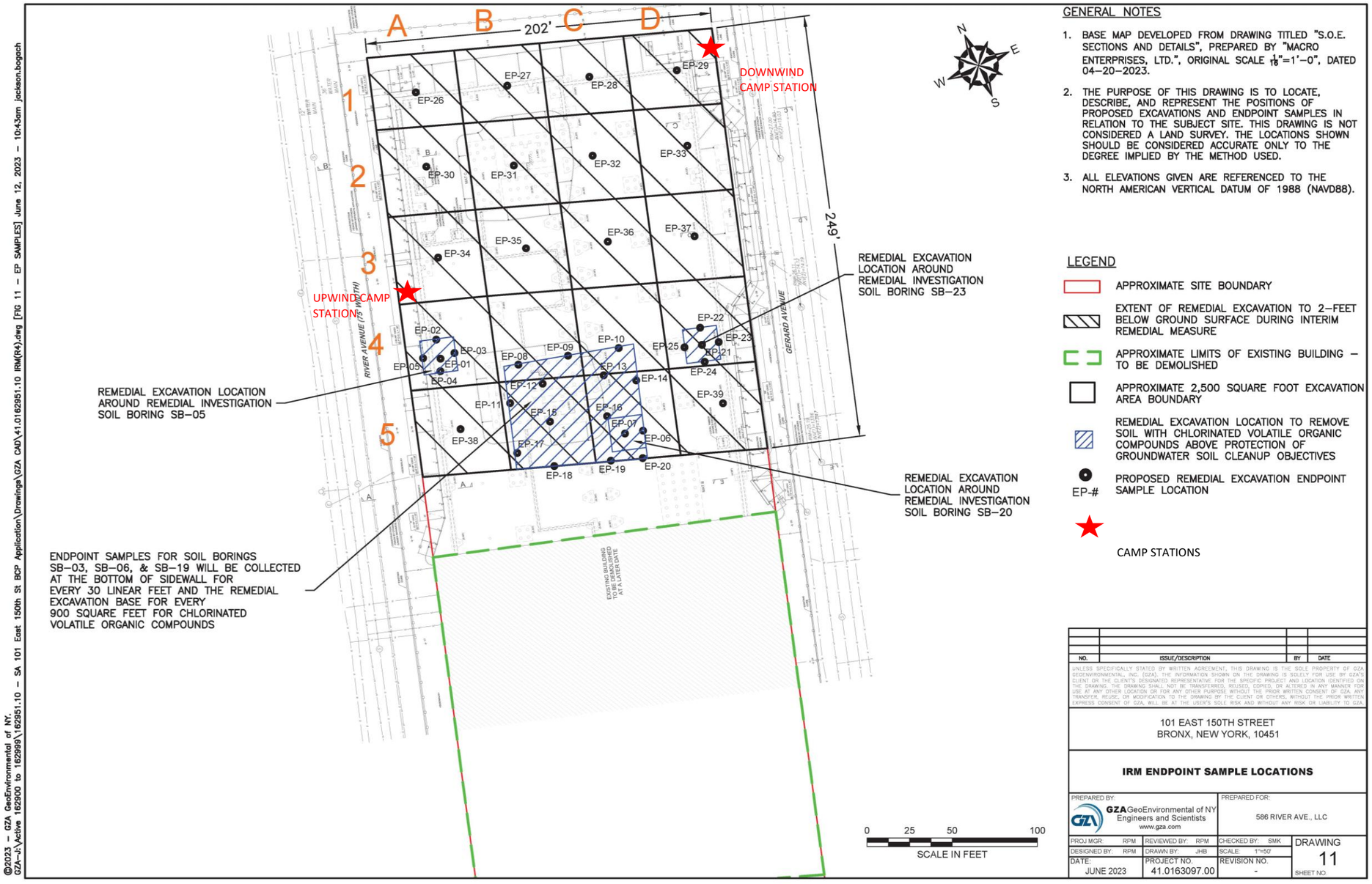
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 40

DATE: 9/18/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 40

DATE: 9/18/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northwest
Description: Overview of the Site at the beginning of the day. Work was suspended due to inclement weather.		**Description:** Overview of the Site at the beginning of the day. Work was suspended due to inclement weather.	

GZA DAILY FIELD SUMMARY 40

DATE: 9/18/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

N/A

GZA DAILY FIELD SUMMARY 40

DATE: 9/18/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 40

DATE: 9/18/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 41

DATE: 9/19/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	65.57°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	52.93°F
		MAX WIND SPEED	21 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.91 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, September 19, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 41

DATE: 9/19/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 9/19/2023

Work Location (Attachment A): Grid B2, B4, C2, D1, and D2.

1. Soil Solutions continued driving and welding piles in grids B4.
2. J&A Concrete poured concrete and installed rebar cages in piles in grids B2, C2, D1, and D2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.14 ug/m^3
High Conditions – PID: 2.65 ppm, Particulates: 12.87 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

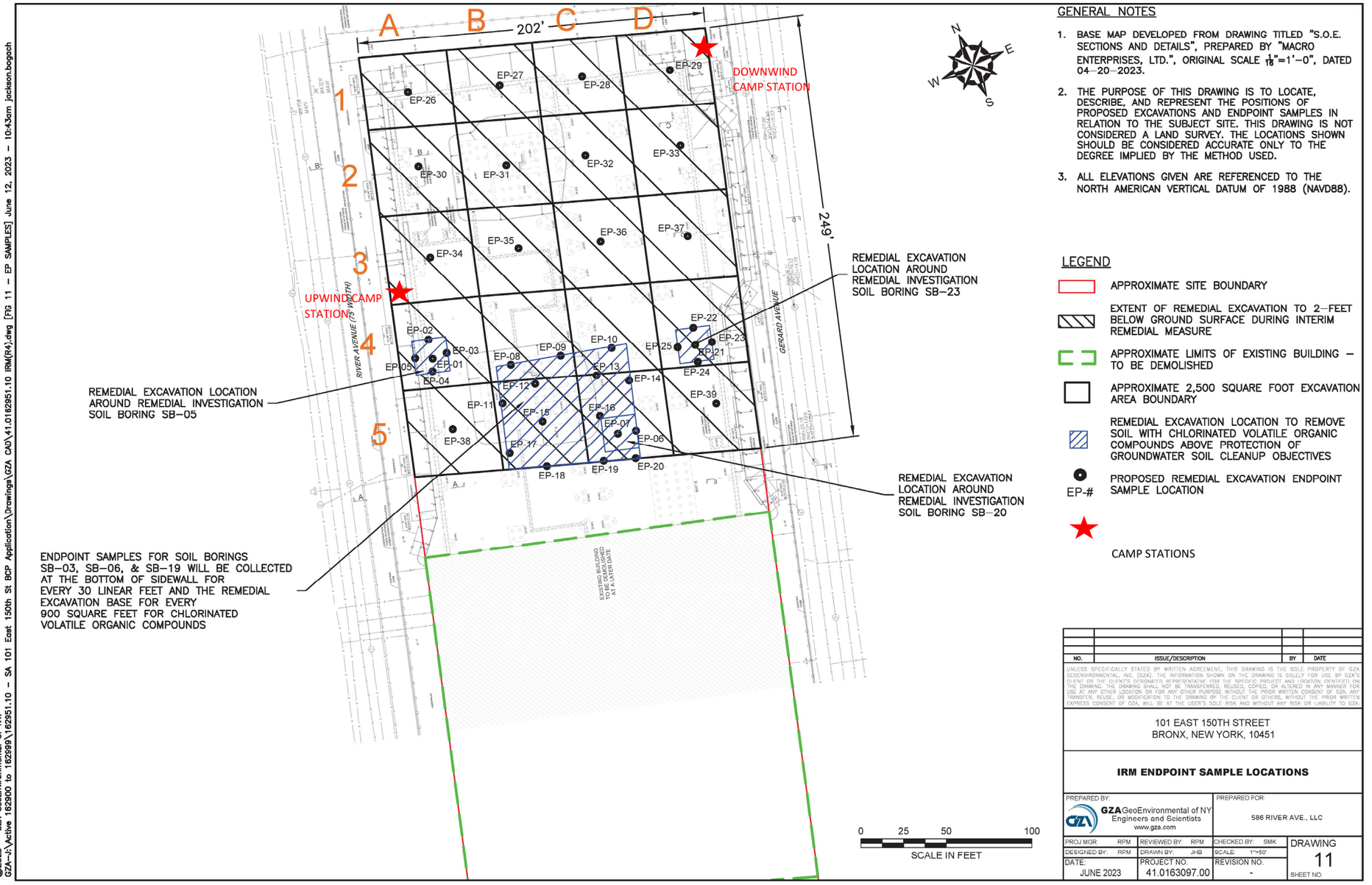
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 41

DATE: 9/19/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 41

DATE: 9/19/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken East
Description: Soil Solutions driving pile in Grid B4.		**Description:** J&A concrete pump truck preparing for concrete pour.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No. 4**	**Direction Photo Taken** Southeast
Description: J&A pouring concrete in a pile in grid C2.		**Description:** J&A installing pile rebar cage in grid C2.	

GZA DAILY FIELD SUMMARY 41

DATE: 9/19/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 19, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

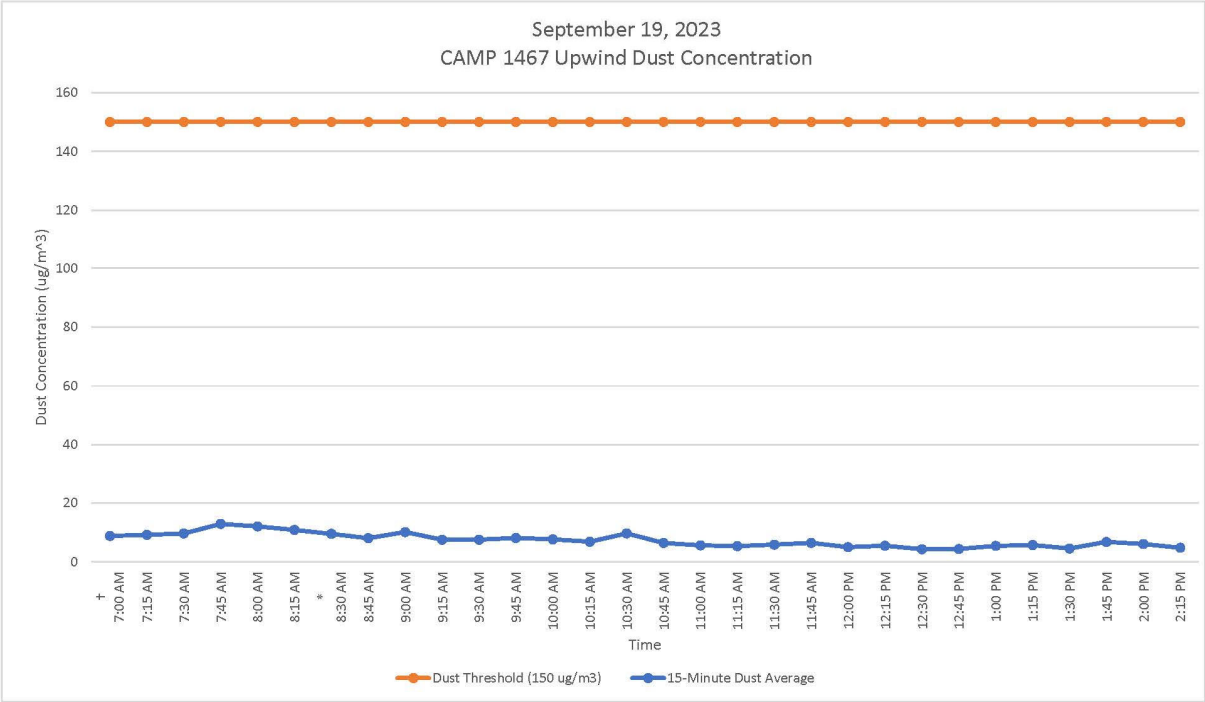
PID 1: 0.0
PID 2: 0.0

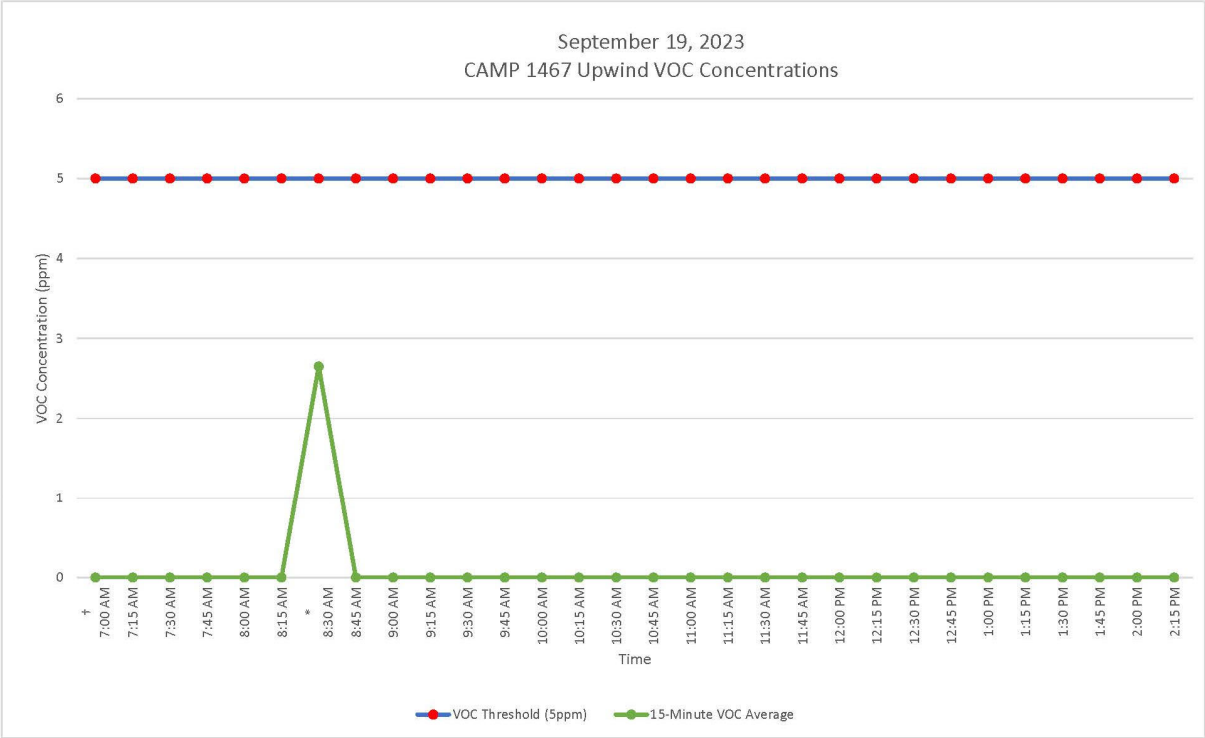
Data Ram 1: 8.79
Data Ram 2: 9.14

GZA DAILY FIELD SUMMARY 41

DATE: 9/19/2023

FILE NO: 41.0163097.00

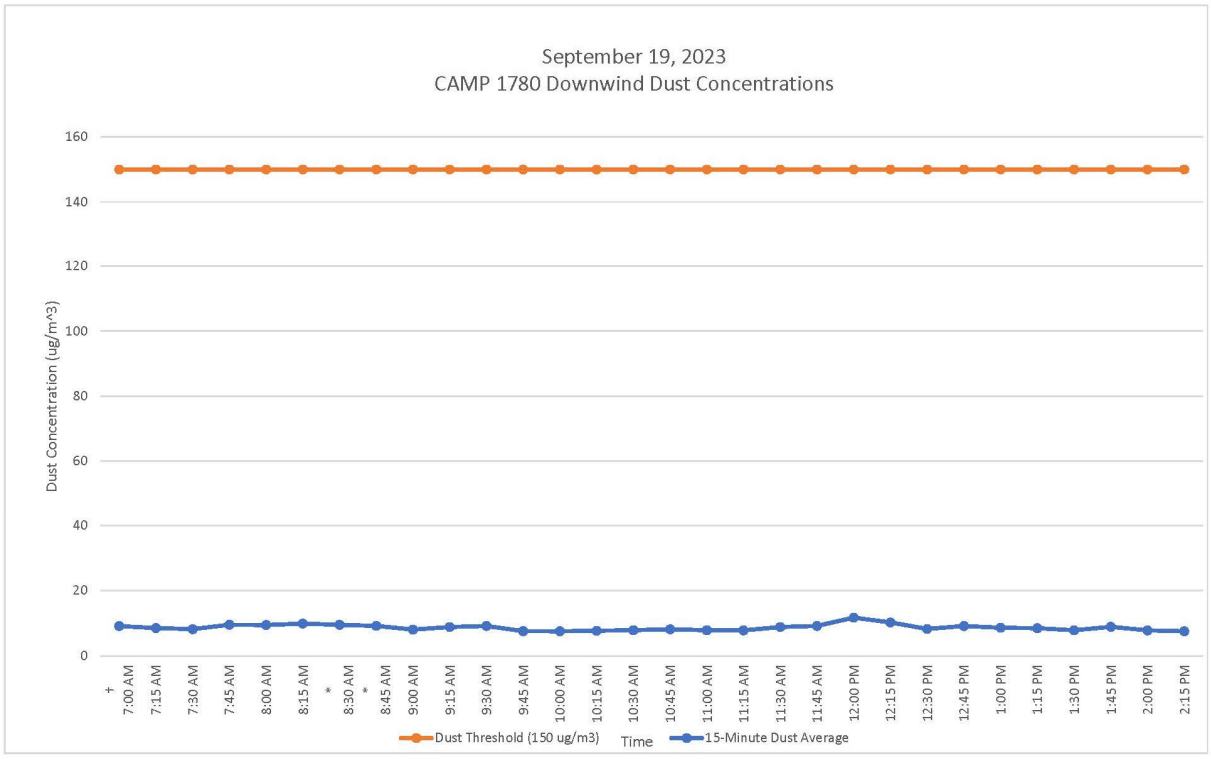


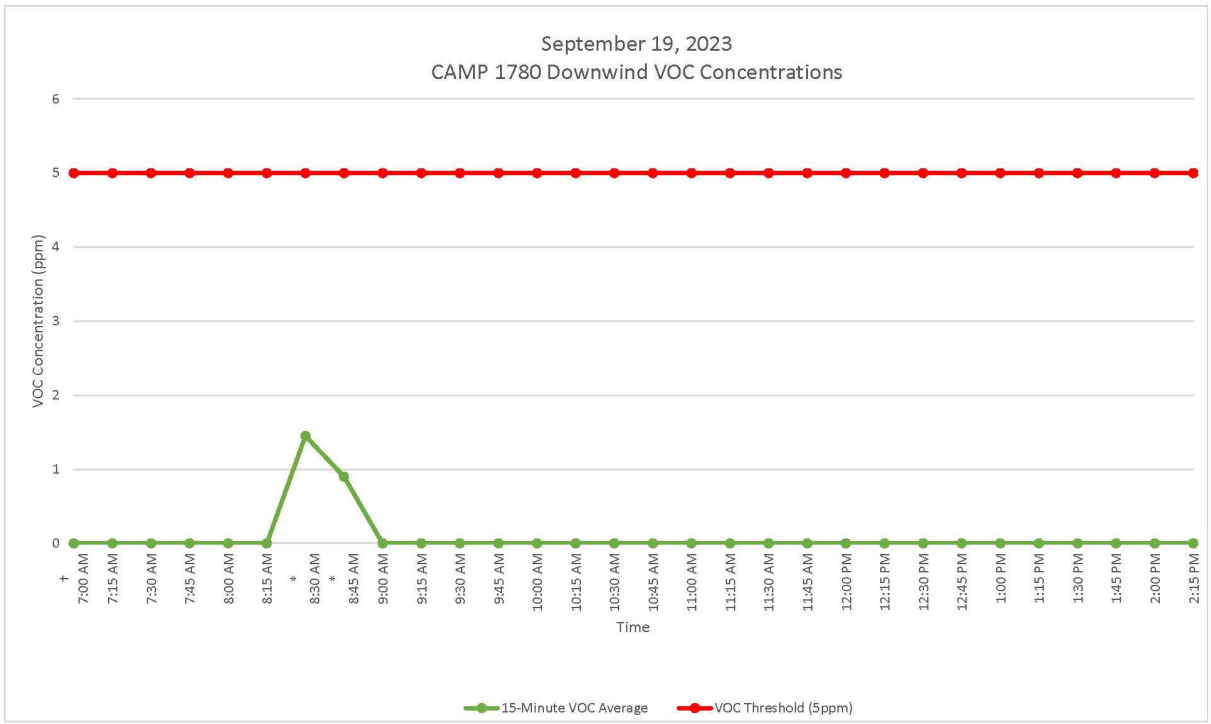


GZA DAILY FIELD SUMMARY 41

DATE: 9/19/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 41

DATE: 9/19/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 41

DATE: 9/19/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 42

DATE: 9/20/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	67.29°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	47.82°F
		MAX WIND SPEED	13 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, September 20, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 42

DATE: 9/20/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 9/20/2023

Work Location (Attachment A): Grid A1, B1, B4, C2, and D2.

1. Soil Solutions continued driving and welding piles in grid B4.
2. Soil Solutions cut piles in grid A1 and B1 to the required elevations in preparation for concrete pour.
3. J&A backfilled excavation around piles in grid C2 with soil stockpiled in adjacent areas.
4. J&A installed two dewatering points in grids C2 and D2 (for a total of six dewatering points onsite).

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- End-point samples **EP-08** and **EP-09** from grid B4; **EP-11, EP-12, EP-15**, and **EP-17** from grid B5; **EP-13** from grid C5; **EP-32** from grid C2; **EP-36** from grid C3; and **EP-37** from grid D3 at 5-feet below ground surface (bgs).

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 5.87 ug/m^3
High Conditions – PID: 0.08 ppm, Particulates: 10.97 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

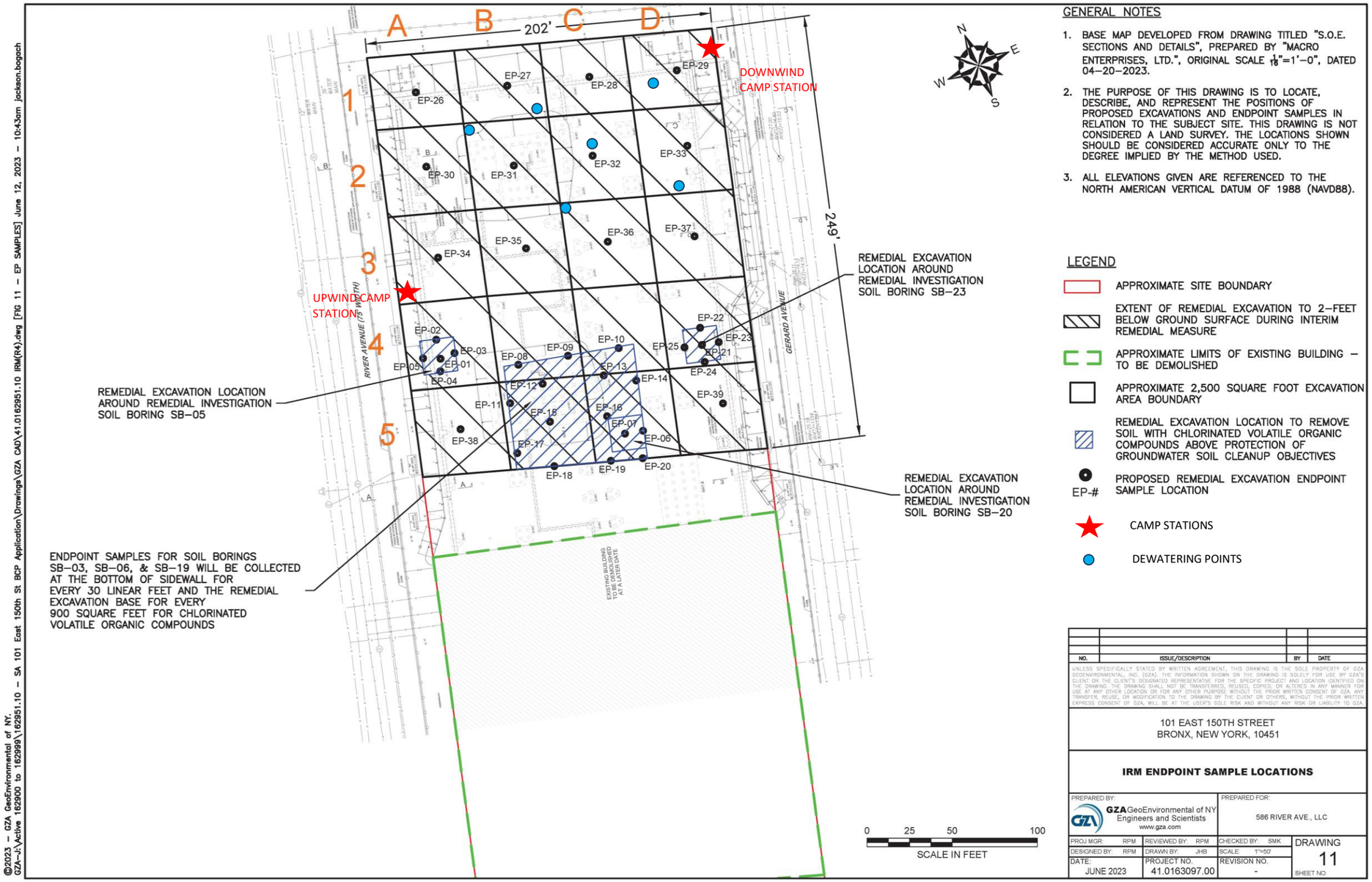
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 42

DATE: 9/20/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS
- DEWATERING POINTS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 42

DATE: 9/20/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Southeast	Photo No. 2	Direction Photo Taken South
Description: Soil Solutions driving pile in Grid B4.		**Description:** J&A backfilling excavation around piles in grid C2.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No. 4**	**Direction Photo Taken** Southeast
Description: Dewatering wellpoint installed in Grid D2.		**Description:** Overview of the Site at the end of the day.	

GZA DAILY FIELD SUMMARY 42

DATE: 9/20/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 20, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held X YES NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

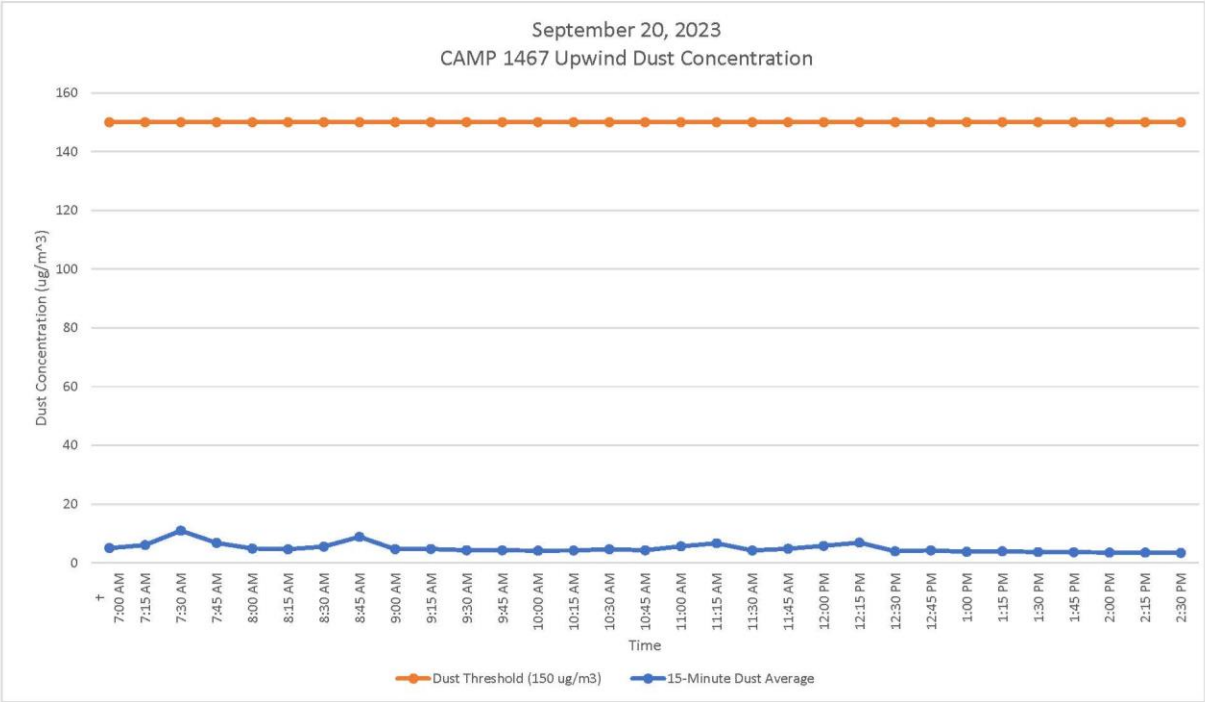
PID 1: 0.0
PID 2: 0.0

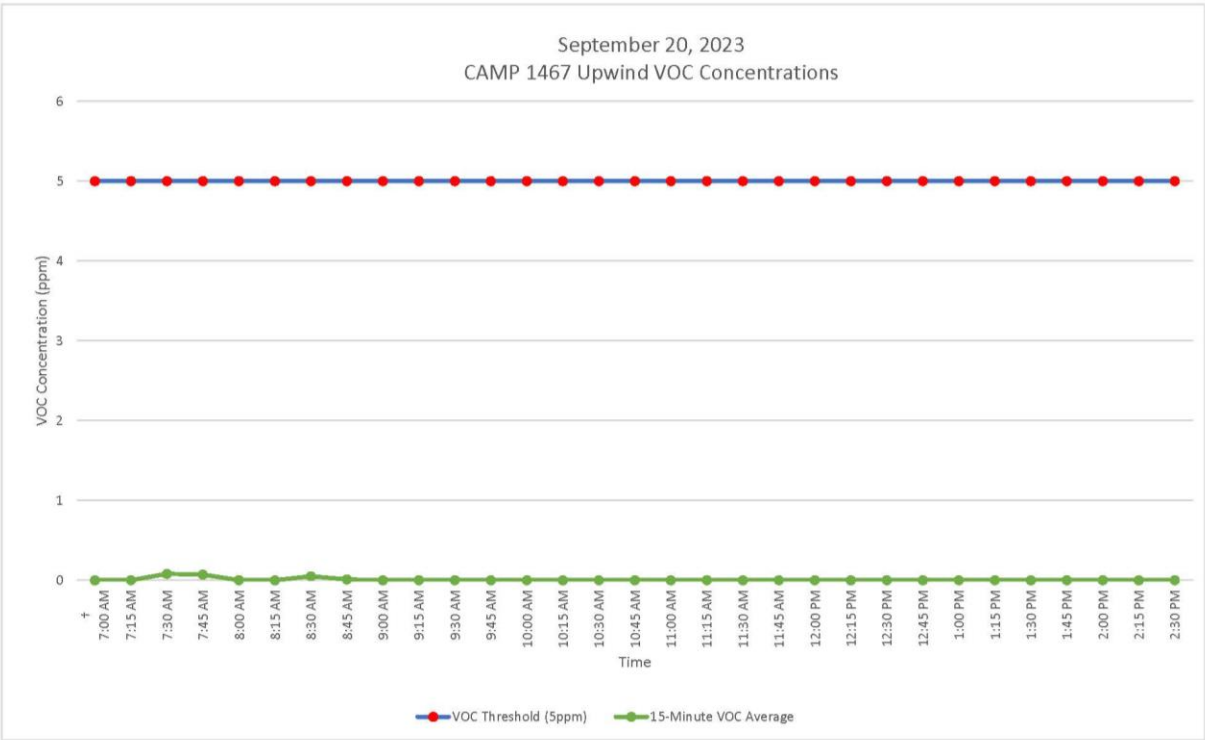
Data Ram 1: 5.06
Data Ram 2: 5.87

GZA DAILY FIELD SUMMARY 42

DATE: 9/20/2023

FILE NO: 41.0163097.00

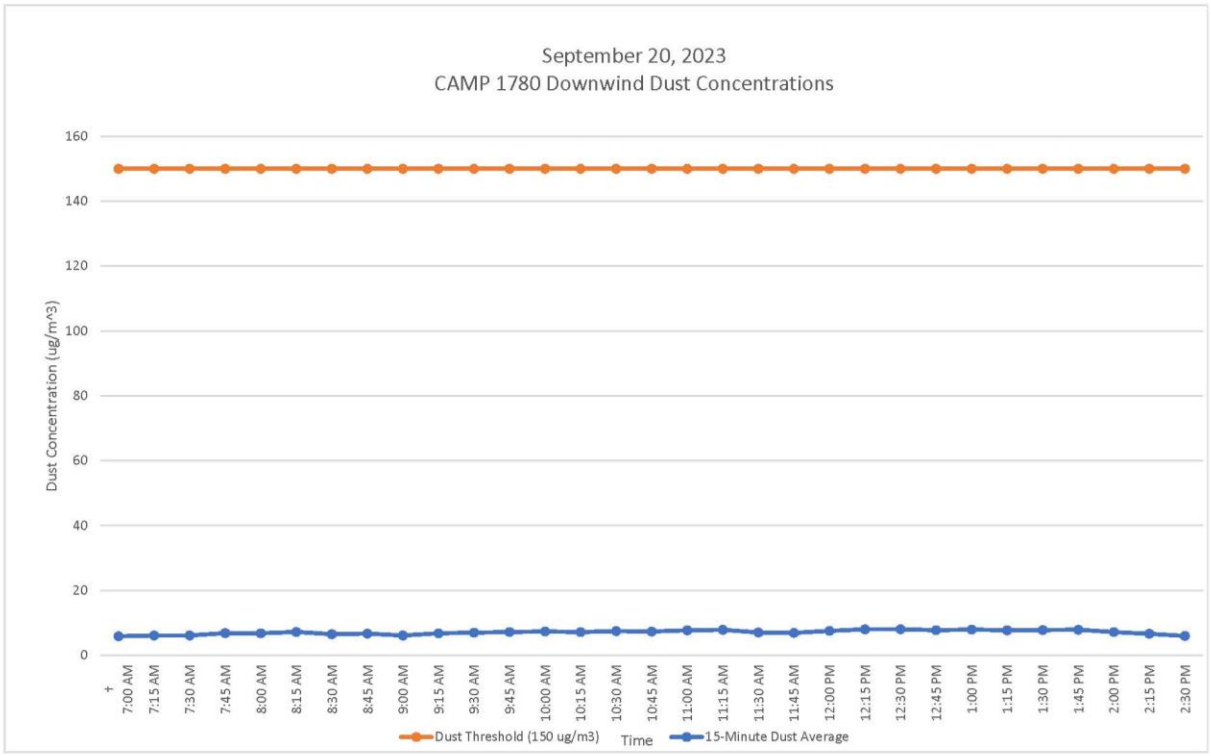


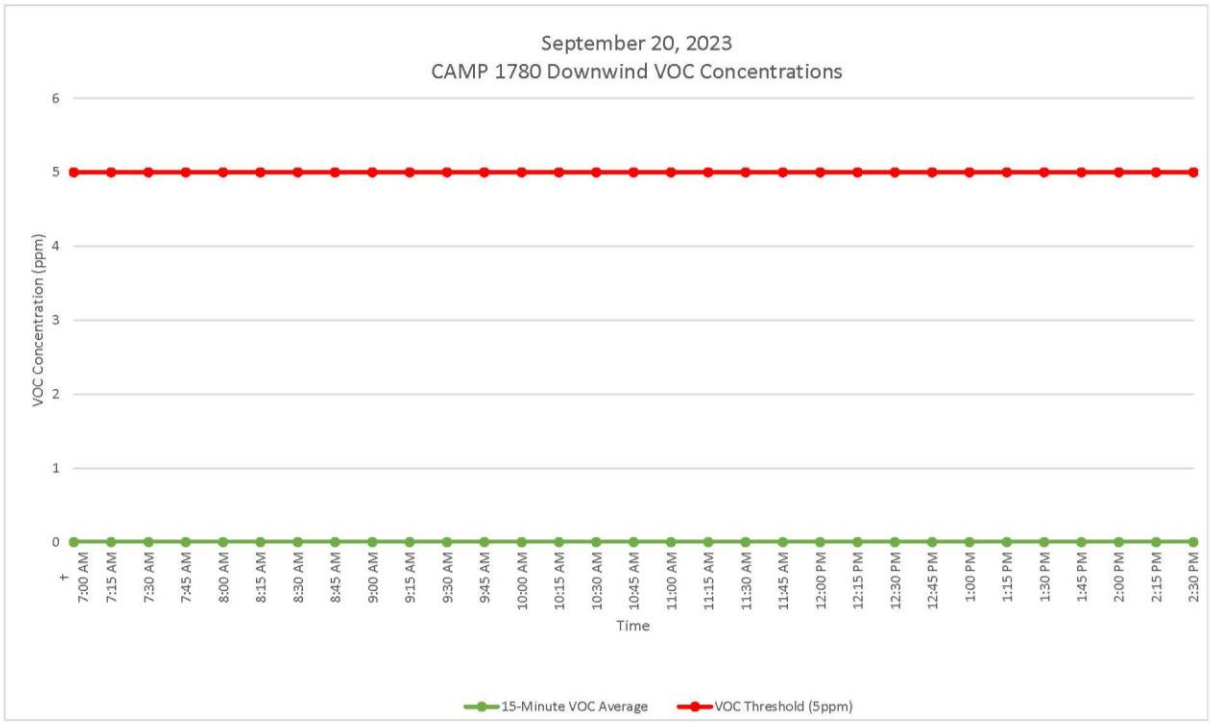


GZA DAILY FIELD SUMMARY 42

DATE: 9/20/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 42

DATE: 9/20/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 42

DATE: 9/20/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 43

DATE: 9/21/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	65.47°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	48.71°F
		MAX WIND SPEED	13 mph from N
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, September 21, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineer (MRCE)**	
	Soil Solutions	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 43

DATE: 9/21/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 9/21/2023

Work Location (Attachment A): Grid A1, B1, C1, C2, and D1.

1. J&A Concrete poured concrete and installed rebar cages in piles in grids A1, B1, C1, C2, and D1.
2. Soil Solutions constructed timber formwork for pile caps in grid A1.
3. J&A Concrete installed timber formwork for pile caps in grid B1.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.79 ug/m^3
High Conditions – PID: 0.03 ppm, Particulates: 9.23 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

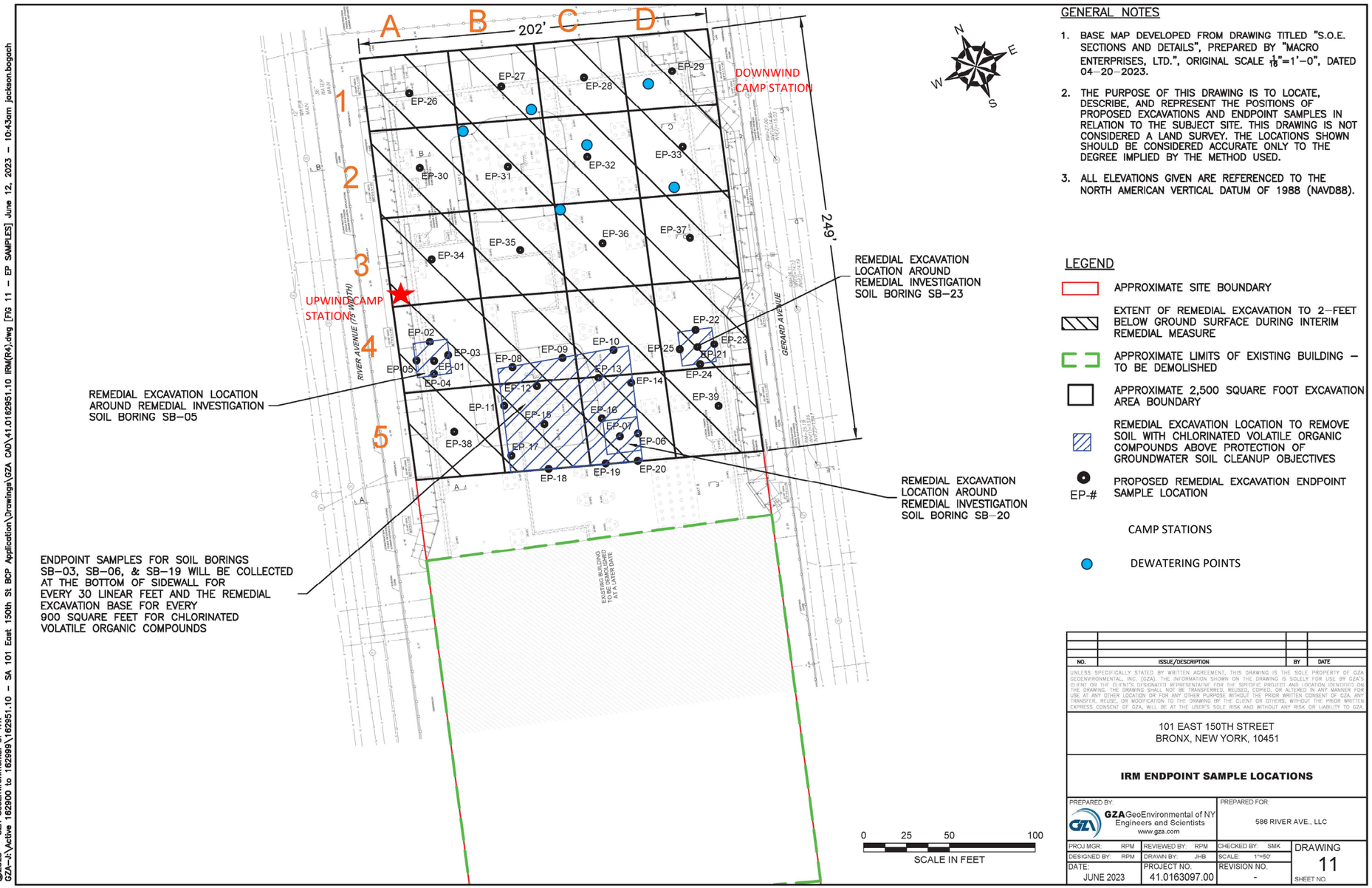
TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 43

DATE: 9/21/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS
- DEWATERING POINTS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 43

DATE: 9/21/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken Southeast
Description: J&A concrete pump truck preparing for concrete pour.		**Description:** J&A pouring concrete in a pile in grid C1.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No. 4**	**Direction Photo Taken** Southeast
Description: J&A installing pile rebar cage in grid C1.		**Description:** J&A placing formwork around piles for pile cap in grid B1.	

GZA DAILY FIELD SUMMARY 43

DATE: 9/21/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 21, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

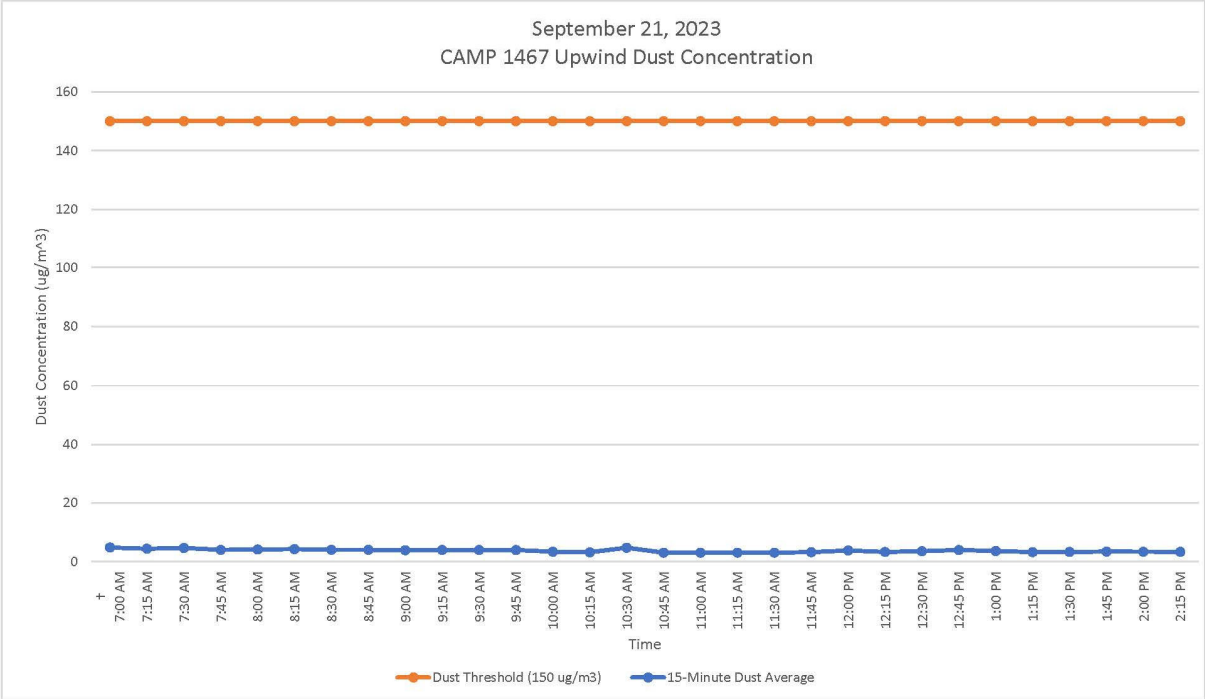
Background Readings:
PID 1: 0.0
PID 2: 0.0

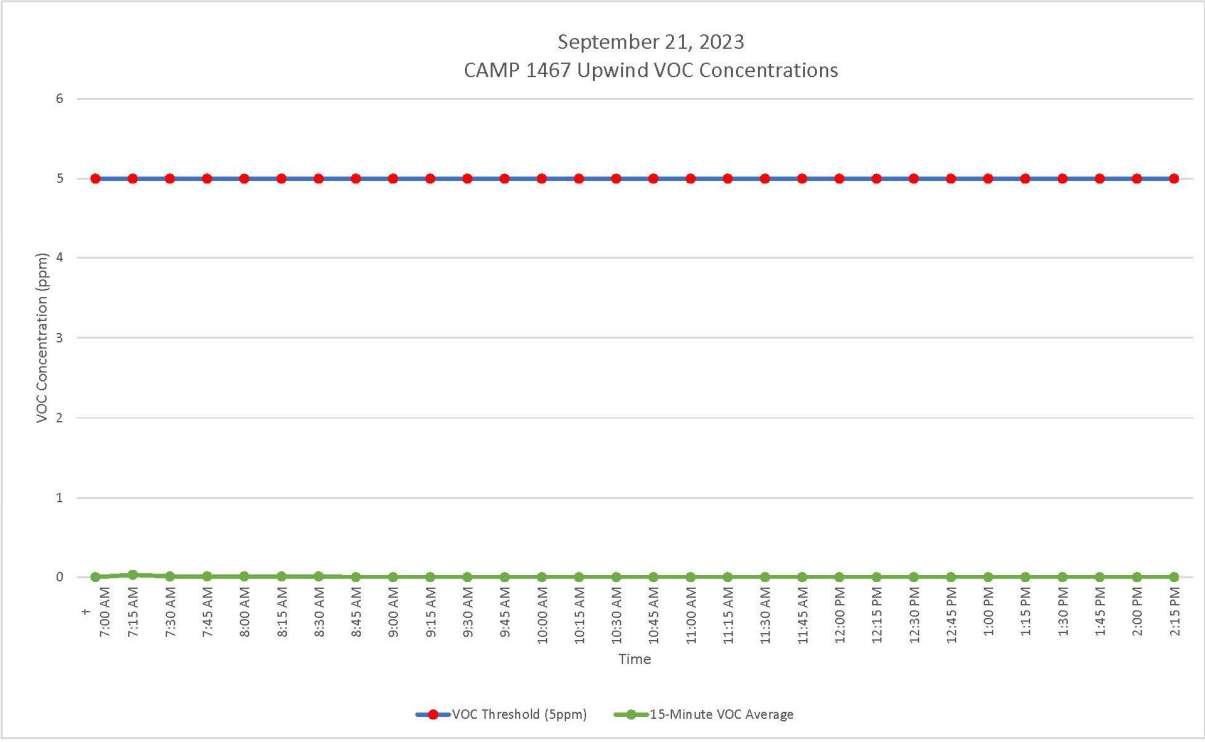
Data Ram 1: 4.79
Data Ram 2: 4.25

GZA DAILY FIELD SUMMARY 43

DATE: 9/21/2023

FILE NO: 41.0163097.00

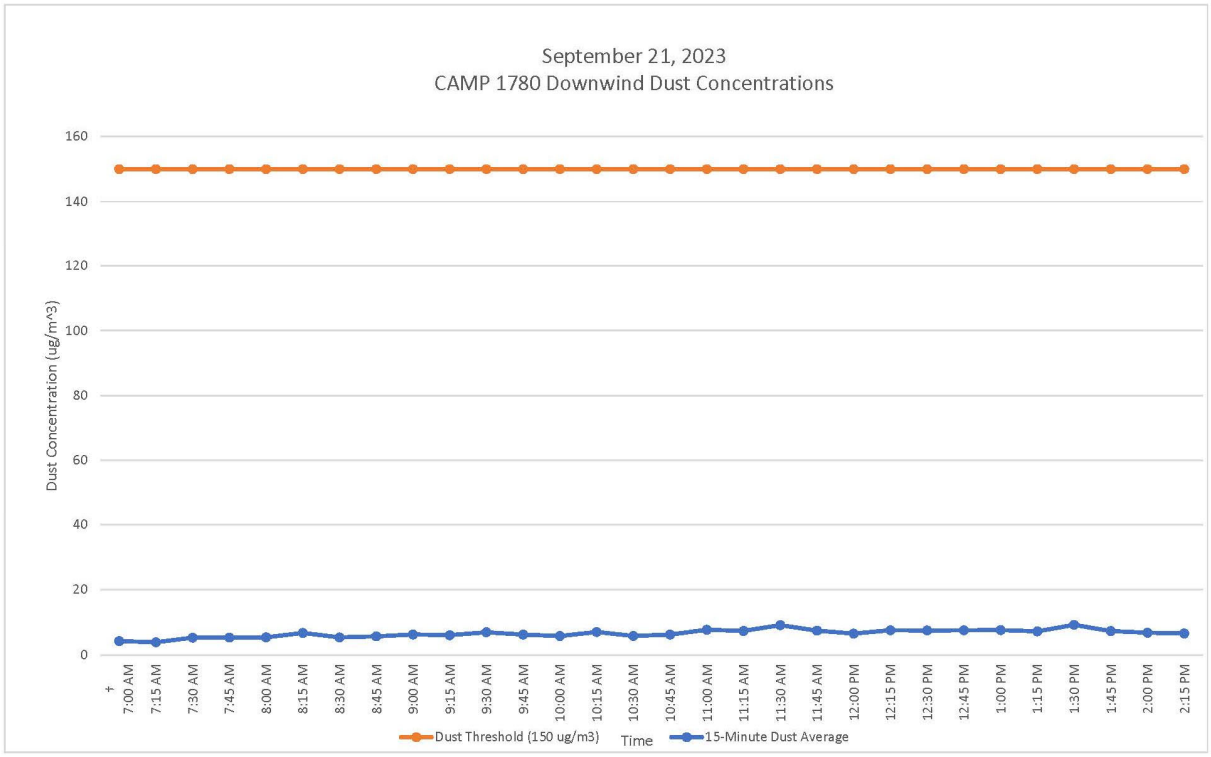


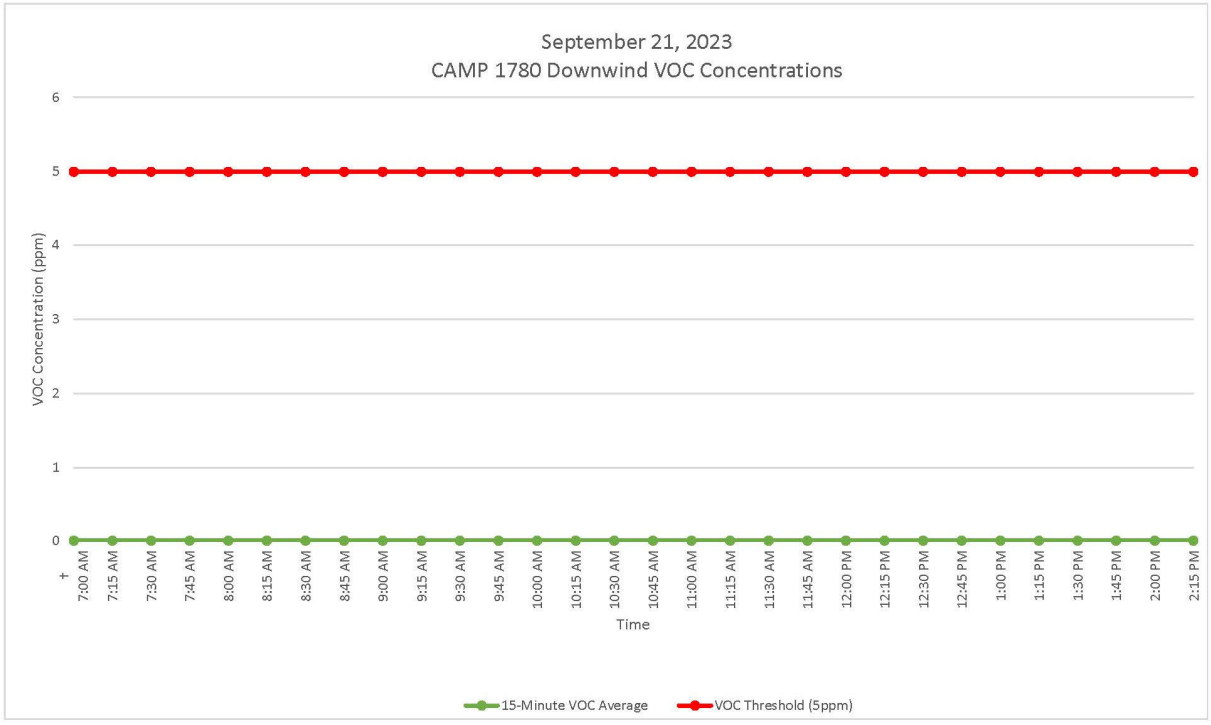


GZA DAILY FIELD SUMMARY 43

DATE: 9/21/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 43

DATE: 9/21/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 43

DATE: 9/21/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 44

DATE: 9/22/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	65.08°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	54.21°F
		MAX WIND SPEED	21 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, September 22, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 44

DATE: 9/22/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 9/22/2023

Work Location (Attachment A): Grid A4, B4, C3, C4, and D3.

1. J&A relocated the ramp from grid A4 to B4 by excavation and backfilling to make way for continued installation of piles.
2. J&A performed minor hand excavation and installed lagging wall in grid A4.
3. J&A performed excavation in grids C3, C4, and D3 for the installation of dewatering points and backfilling upon completion. Backfilled area in C4 was covered with plastic due to odor detected.
4. J&A installed three dewatering points in grids C3, C4, and D3 (for a total of nine dewatering points onsite).
5. J&A Concrete performed dewatering at pile locations in grids A1, B1, B2, and D1. A total of 303.9 gallons of groundwater was treated and generated for the day. Adler dewatering treatment system is stored on the western portion of Grid A4.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 6.58 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 10.35 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 44

DATE: 9/22/2023
FILE NO: 41.0163097.00

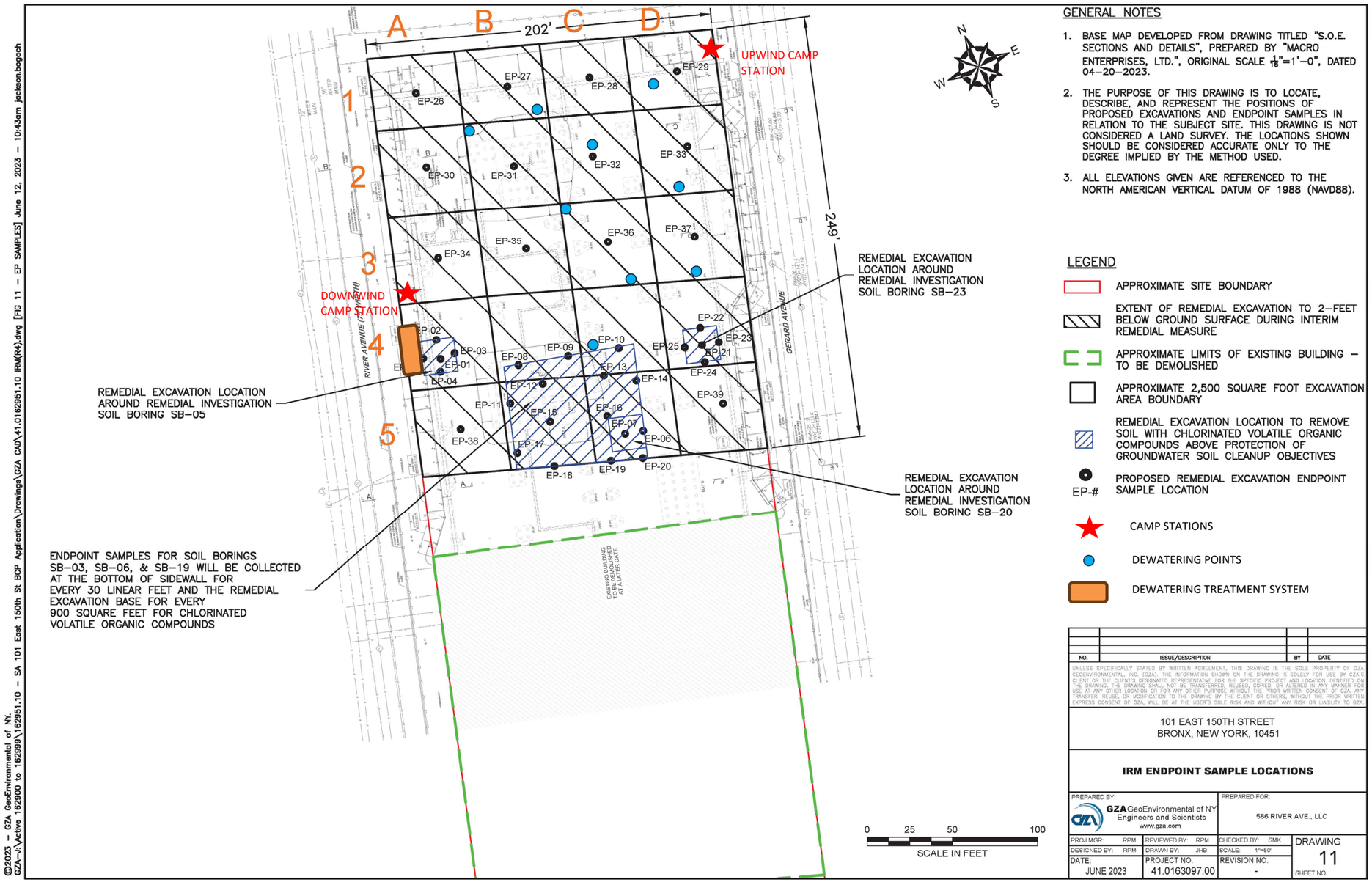
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	303.90
Previous	0
Total	**303.90**

GZA DAILY FIELD SUMMARY 44

DATE: 9/22/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 44

DATE: 9/22/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Northeast	Photo No. 2	Direction Photo Taken Southwest
Description: J&A relocating the ramp from grid A4 to B4 for continued installation of piles.		**Description:** J&A installing lagging wall in grid A4.	

Photo No. 3	Direction Photo Taken: East	Photo No. 4	Direction Photo Taken Northeast
Description: Dewatering points installed in Grids C3 and D3.		**Description:** Site overview at the end of the day. Backfilled area in C4 was covered with plastic due to odor detected.	

GZA DAILY FIELD SUMMARY 44

DATE: 9/22/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 22, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held X YES NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

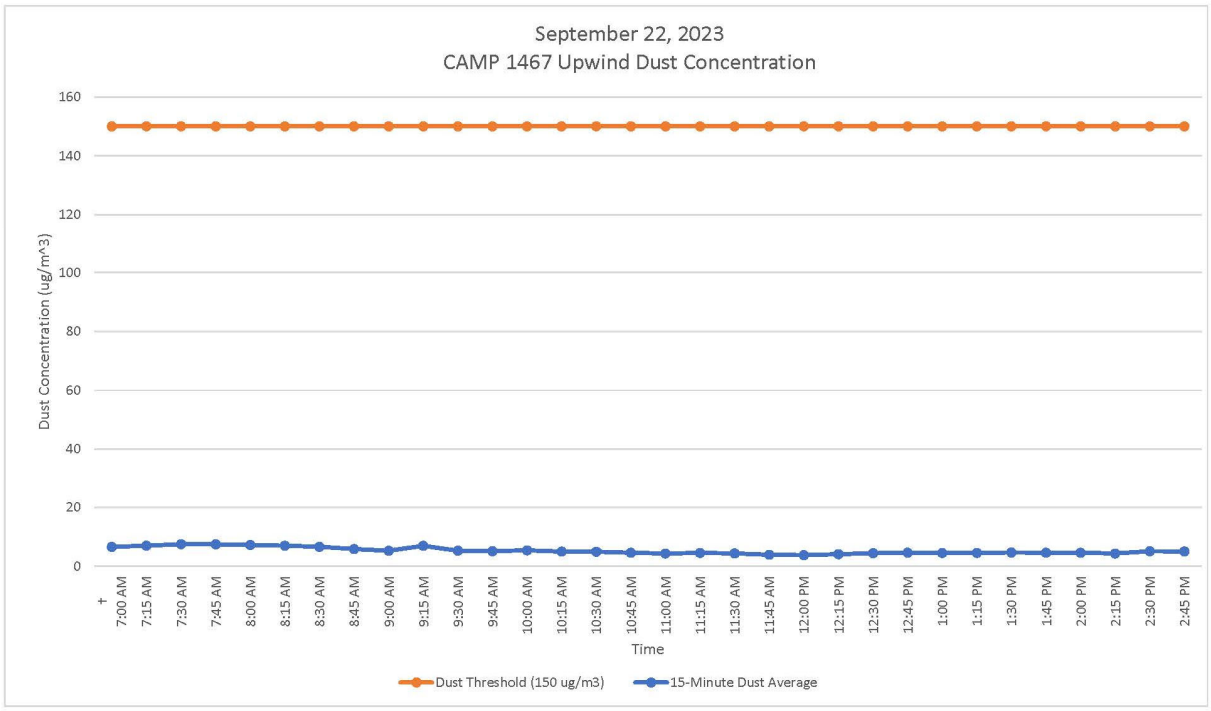
PID 1: 0.0
PID 2: 0.0

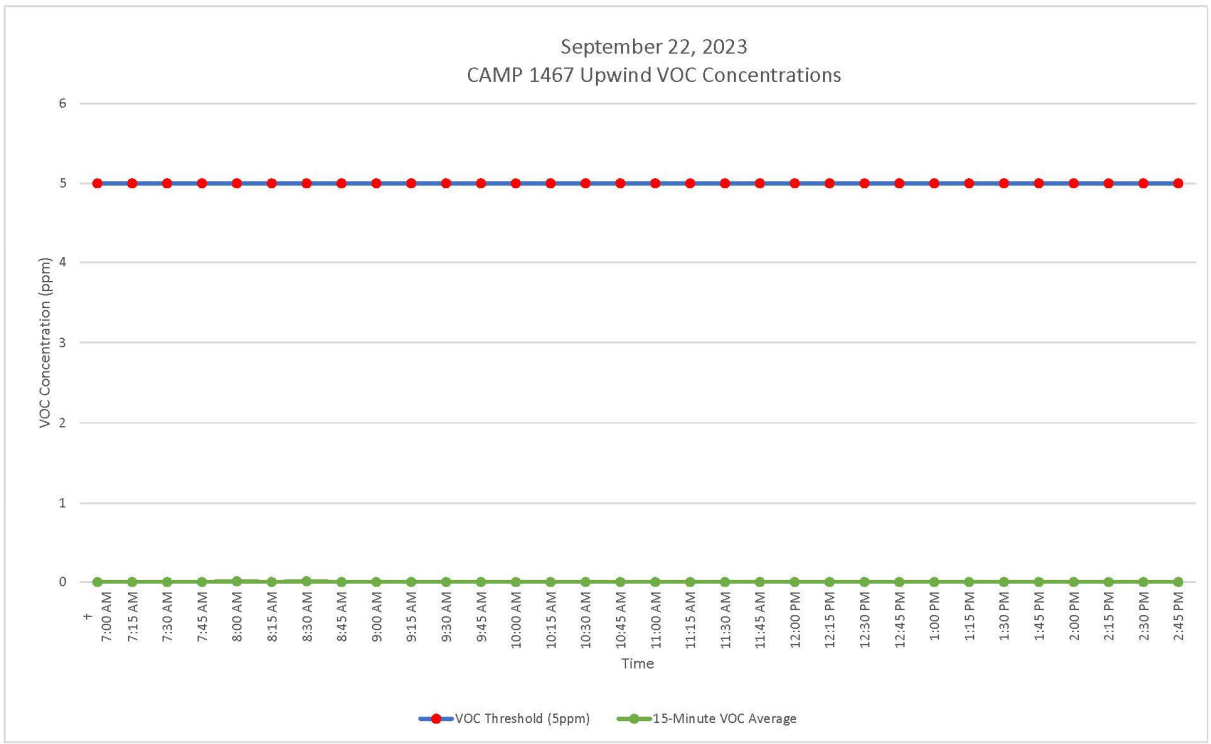
Data Ram 1: 6.58
Data Ram 2: 6.53

GZA DAILY FIELD SUMMARY 44

DATE: 9/22/2023

FILE NO: 41.0163097.00

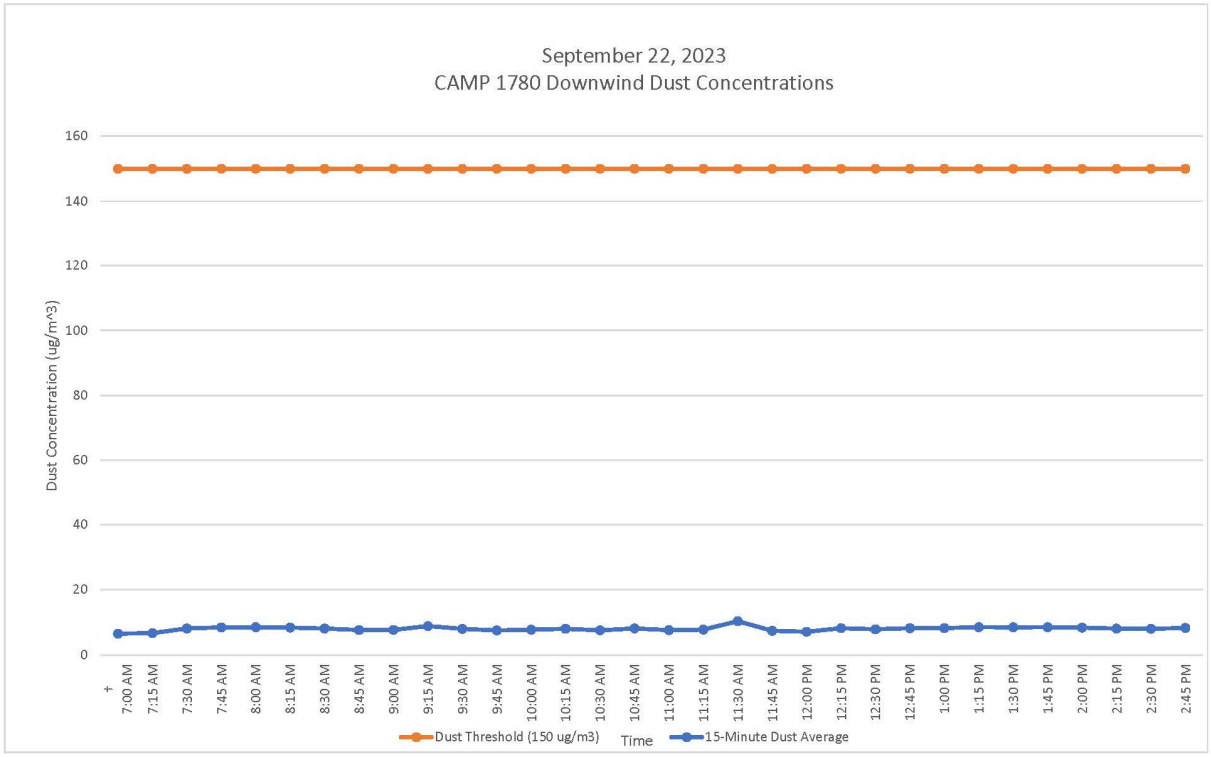


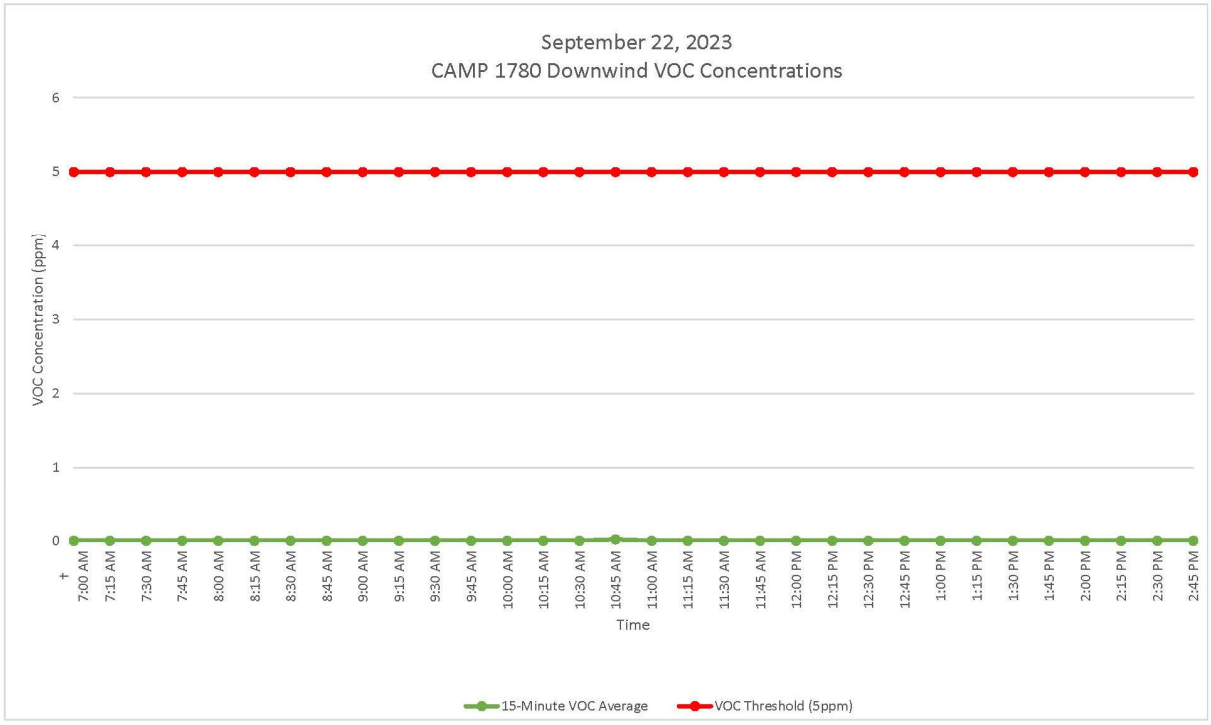


GZA DAILY FIELD SUMMARY 44

DATE: 9/22/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 44

DATE: 9/22/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 44

DATE: 9/22/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 45

DATE: 9/25/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Light Rain/Windy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	62.05°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	59.43°F
		MAX WIND SPEED	26 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.82 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, September 25, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 45

DATE: 9/25/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 9/25/2023

Work Location (Attachment A): N/A

1. Work was suspended due to inclement weather.
2. RegenOx® products were delivered, stored on wooden pallets, and covered with tarps in grid B5.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- N/A

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – N/A
High Conditions – N/A

Air monitoring was not implemented as work was suspended for the day.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

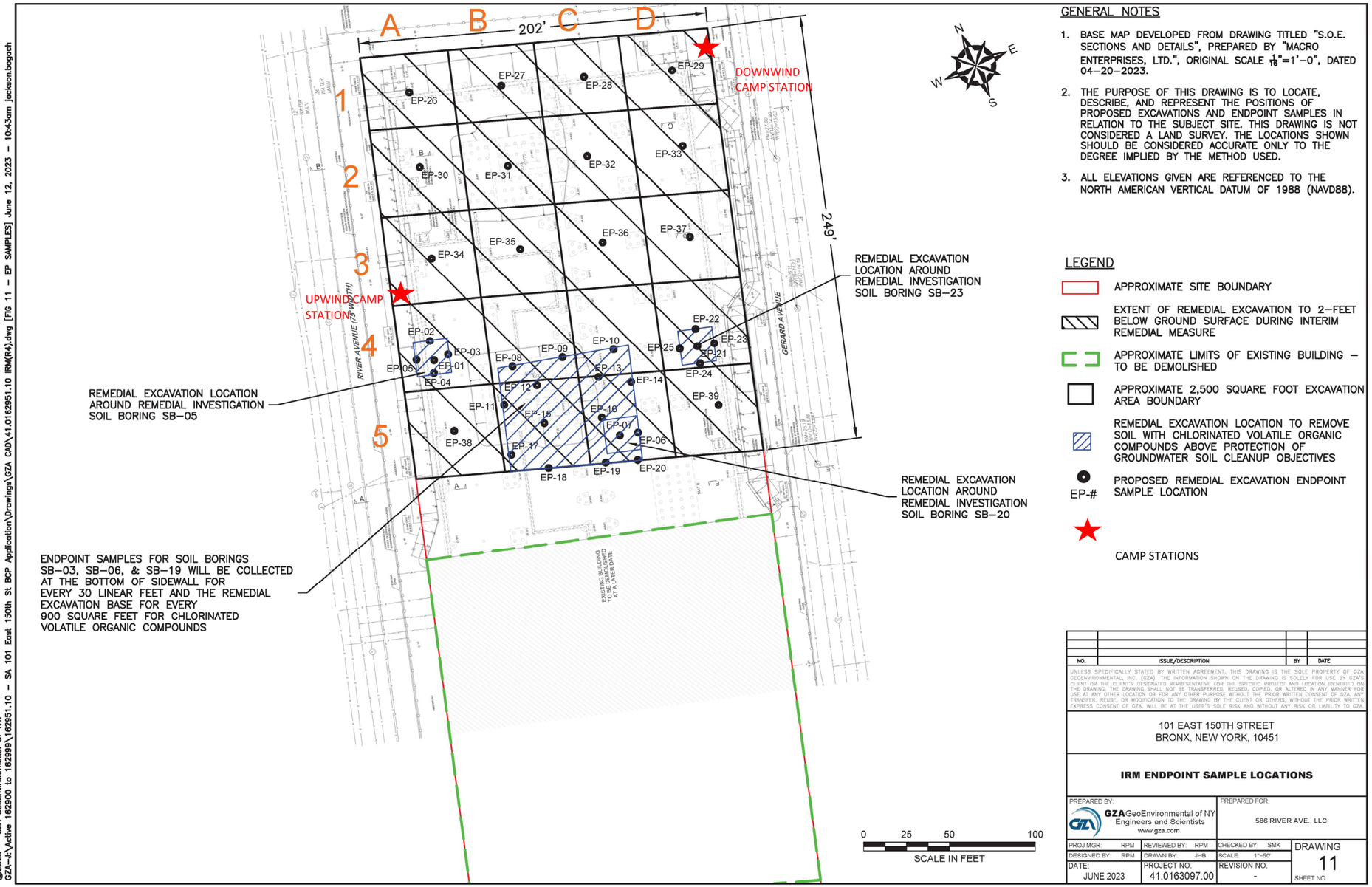
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	0
Previous	303.90
Total	**303.90**

GZA DAILY FIELD SUMMARY 45

DATE: 9/25/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 45

DATE: 9/25/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** East
Description: Overview of the Site at the beginning of the day. Work was suspended due to inclement weather.		**Description:** RegenOx® products stored on wooden pallets and covered with tarps in grid B5.	

GZA DAILY FIELD SUMMARY 45

DATE: 9/25/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

N/A

GZA DAILY FIELD SUMMARY 45

DATE: 9/25/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 45

DATE: 9/25/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	2	52.30	2	52.30
Total	**2**	**52.30**	**2**	**52.30**

GZA DAILY FIELD SUMMARY 46

DATE: 9/26/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Light Rain
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	60.44°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	54.15°F
		MAX WIND SPEED	23 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.23 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, September 26, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 46

DATE: 9/26/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 9/26/2023

Work Location (Attachment A): Grid A1, B1, B3, B4, and C1.

1. One truckload of ASTM #2 (2 ½") stones from Stavola Construction Materials, Inc. was delivered and stockpiled on the ramp in grid B4 by Shamrock Materials, LLC. The stones were then spread over the ramp and truck wash area in grids B3 and B4.
2. J&A Concrete performed dewatering at pile locations in grids A1, B1, and C1. A total of 311.7 gallons of groundwater was treated and generated for the day. Adler dewatering treatment system is stored on the western portion of Grid A4.
3. J&A Concrete installed timber formwork for pile caps in grids A1, B1, and C1 and backfilled soils from adjacent areas around forms.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Junttan PM25H Pile Driving Rig
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 16.03 ug/m^3
High Conditions – PID: 2.54 ppm, Particulates: 18.31 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- One truckload of ASTM #2 (2 ½") stones from Stavola Construction Materials, Inc., New Jersey was delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 46

DATE: 9/26/2023
FILE NO: 41.0163097.00

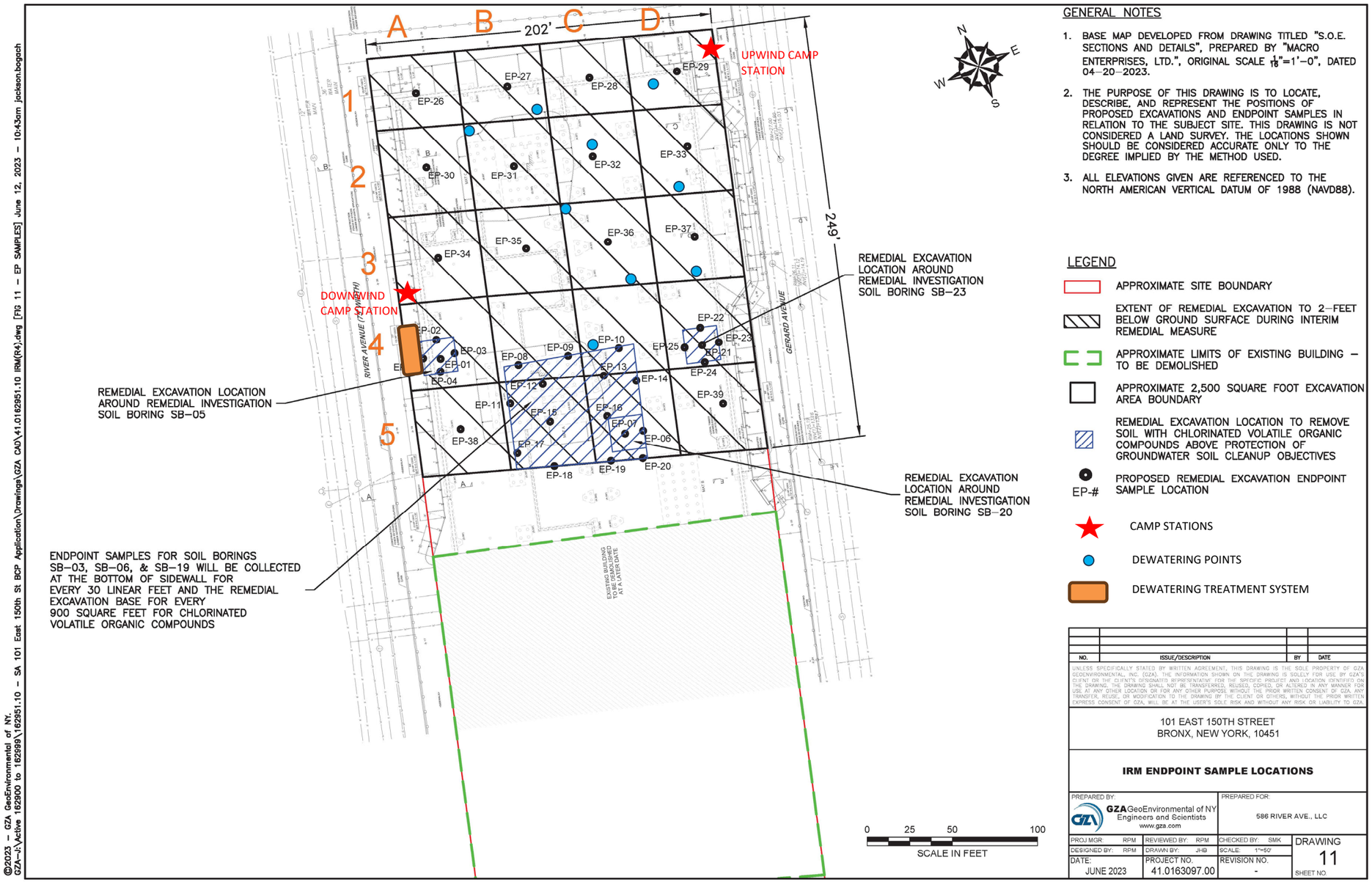
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	311.70
Previous	303.90
Total	**615.60**

GZA DAILY FIELD SUMMARY 46

DATE: 9/26/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 46

DATE: 9/26/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Southeast	Photo No. 2	Direction Photo Taken East
Description: Delivery of 2 ½" stones from Stavola at grid B-4.		**Description:** J&A spreading 2 ½" stones over the ramp in grids B-3 and B-4.	

Photo No. 3	Direction Photo Taken: Southeast	Photo No. 4	Direction Photo Taken Northeast
Description: J&A placing formwork around piles for pile cap in grid B1.		**Description:** Site overview at the end of the day. Backfilled area in C4 remained covered with plastic due to odor detected.	

GZA DAILY FIELD SUMMARY 46

DATE: 9/26/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 26, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

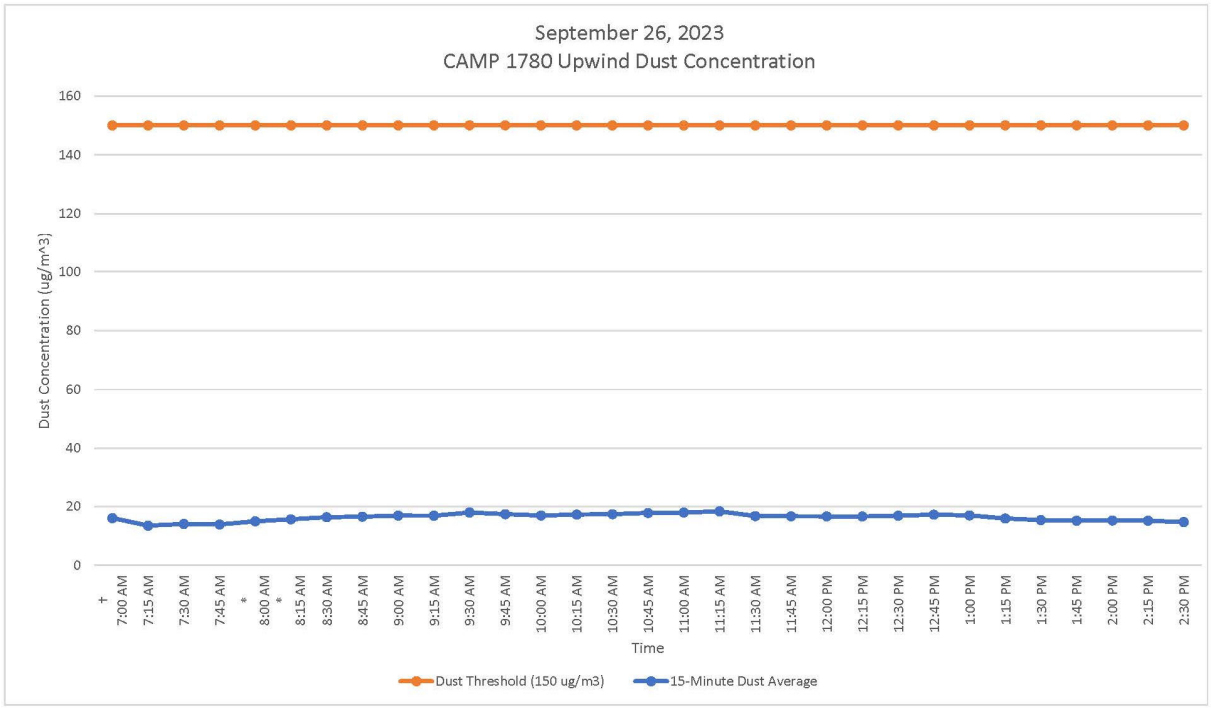
Background Readings:
PID 1: 0.0
PID 2: 0.0

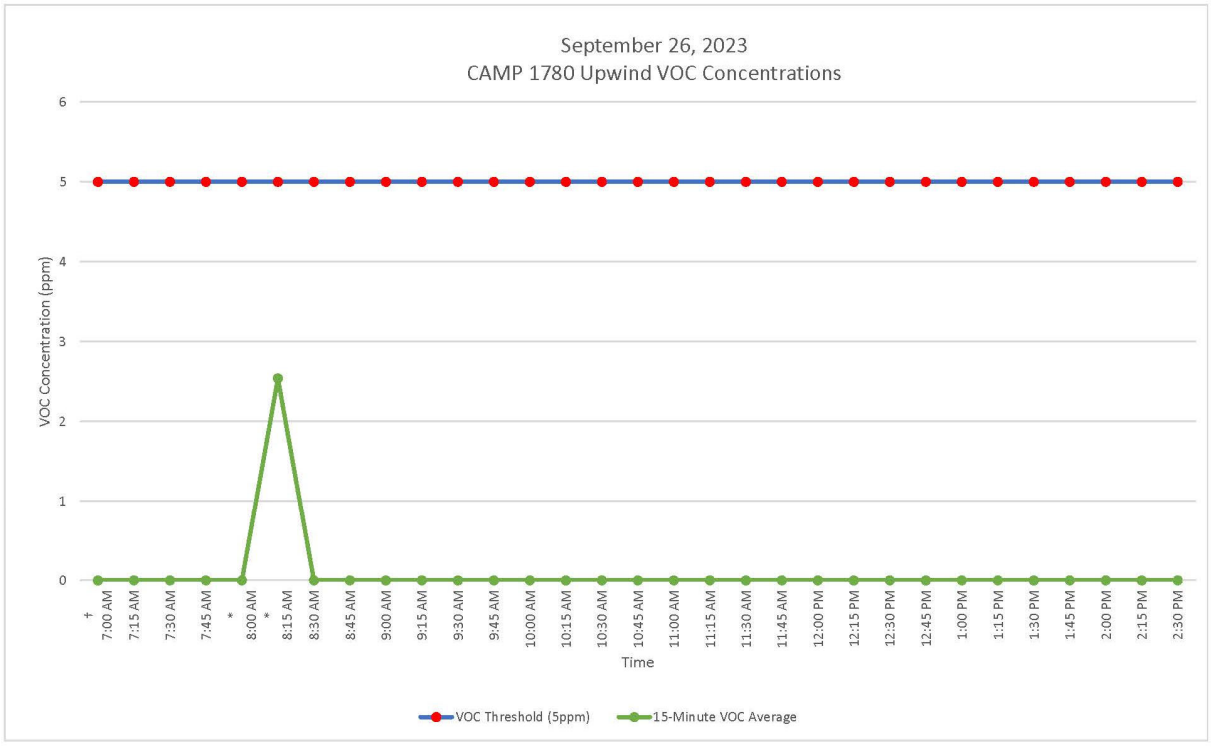
Data Ram 1: 16.03
Data Ram 2: 13.58

GZA DAILY FIELD SUMMARY 46

DATE: 9/26/2023

FILE NO: 41.0163097.00

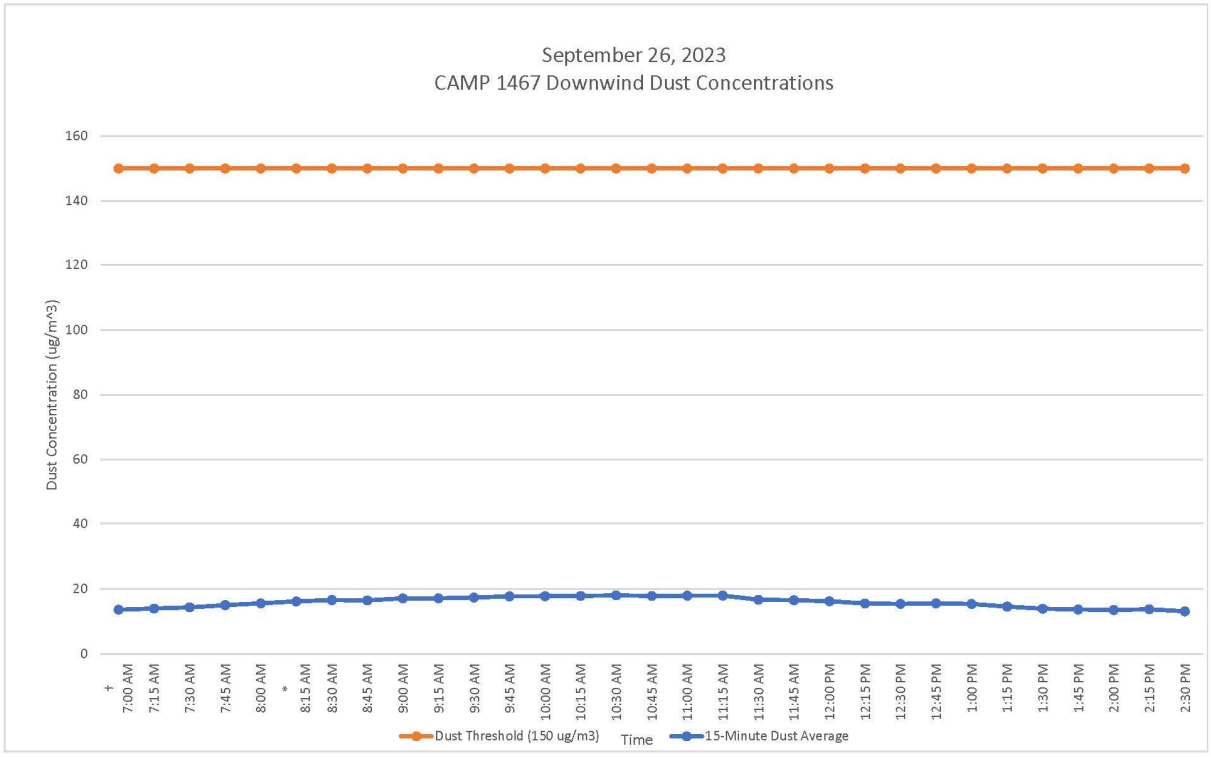


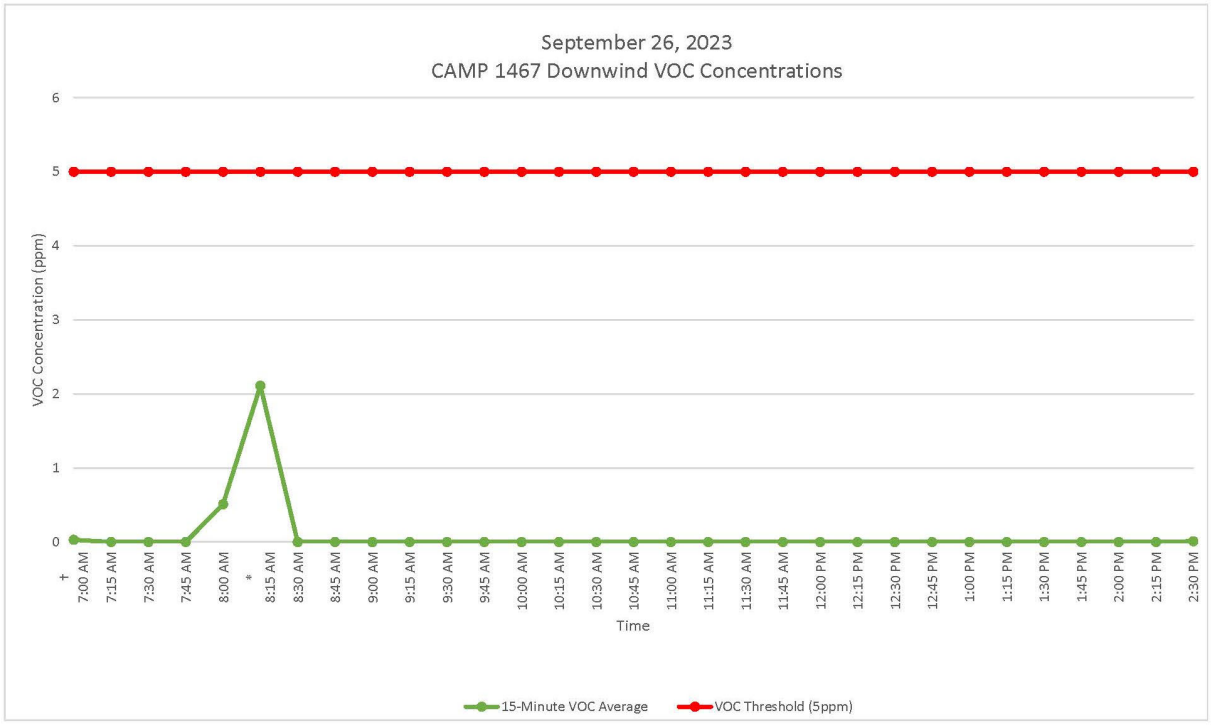


GZA DAILY FIELD SUMMARY 46

DATE: 9/26/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 46

DATE: 9/26/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 46

DATE: 9/26/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	1	26.26	1	26.26
Previous	2	52.30	2	52.30
Total	**3**	**78.56**	**3**	**78.56**

GZA DAILY FIELD SUMMARY 47

DATE: 9/27/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	59.79°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	45.05°F
		MAX WIND SPEED	18 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.25 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, September 27, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**J&A Concrete**	
	Paul Cunha	
	Success Academy	
	Richard Gladstone	
	DBI Projects	
	Ricky Gautier	
	SOM	
	Kirsten Youngren	

GZA DAILY FIELD SUMMARY 47

DATE: 9/27/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 9/27/2023

Work Location (Attachment A): Grid A2, B1, B2, C1, C2, C3, C4, D1, D2, D3, and D4.

1. J&A Concrete poured concrete in piles and pile cap in grids C1, C2, C4, D2, D3, and D4.
2. J&A constructed timber formwork for pile caps in grid C2.
3. Grade beam formwork and backfilling around forms with soil from adjacent areas in grids A1 and B1.
4. J&A Concrete performed dewatering at pile locations in grids B1, B2, C1, C2, C3, and D1. A total of 326.5 gallons of groundwater was treated and generated for the day.
5. Materials for the installation of pile caps were delivered and stored in grid A2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.02 ppm, Particulates: 7.95 ug/m^3
High Conditions – PID: 0.07 ppm, Particulates: 14.68 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 47

DATE: 9/27/2023
FILE NO: 41.0163097.00

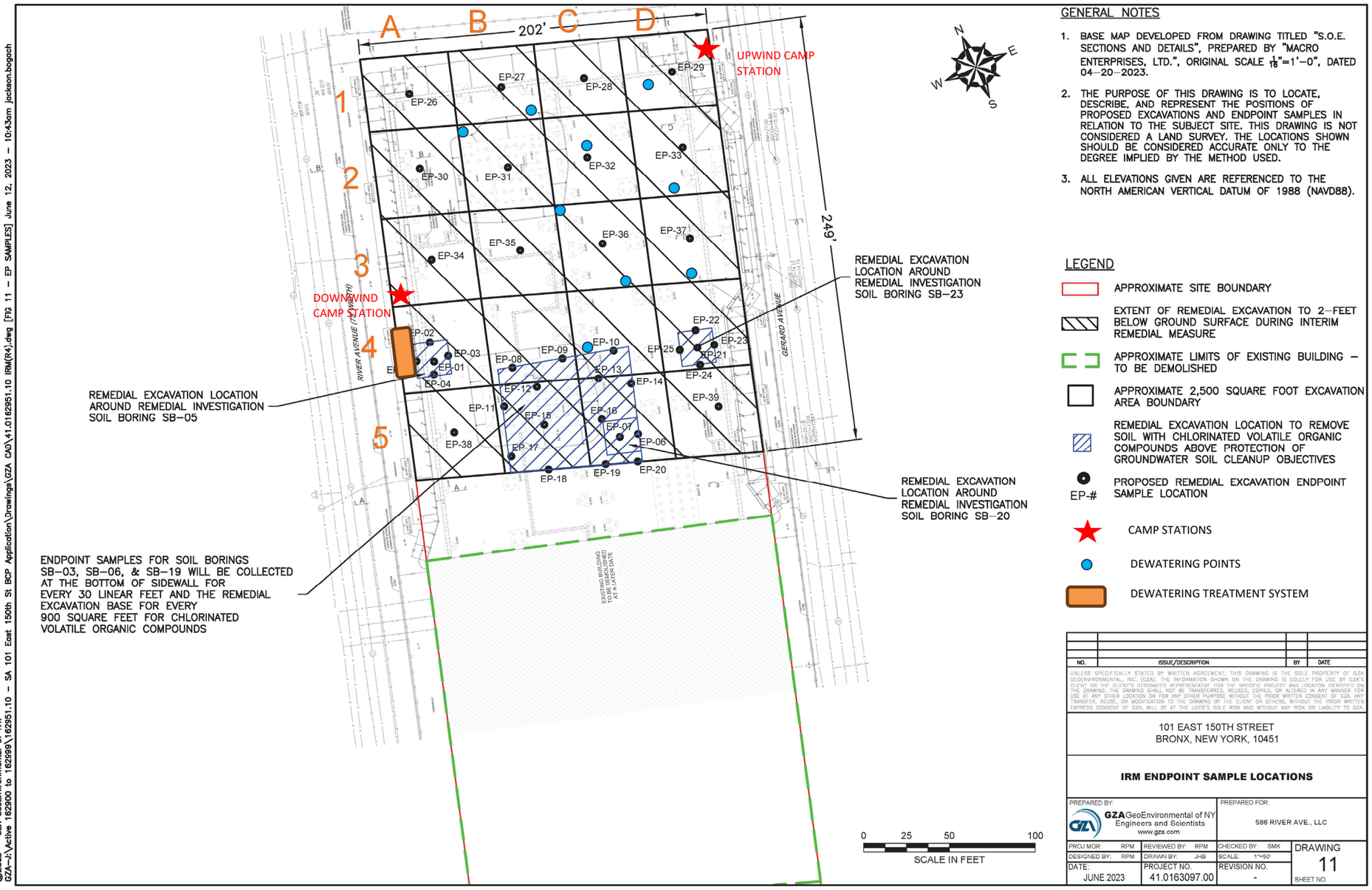
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	326.50
Previous	615.60
Total	**942.10**

GZA DAILY FIELD SUMMARY 47

DATE: 9/27/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 47

DATE: 9/27/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Northeast	Photo No. 2	Direction Photo Taken Southeast
Description: J&A concrete pump truck preparing for concrete pour.		**Description:** J&A pouring concrete in a pile in grid D4.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No. 4**	**Direction Photo Taken** Southwest
Description: Formwork and backfilling around forms in grids A1 and B1.		**Description:** Site overview towards the end of the day.	

GZA DAILY FIELD SUMMARY 47

DATE: 9/27/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 27, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**		
1	☐ YES	☒ NO	1	☐ YES	☒ NO
2	☐ YES	☒ NO	2	☐ YES	☒ NO
Hand Held	☒ YES	☐ NO	Hand Held	☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO
2	☐ YES	☒ NO
Hand Held	☒ YES	☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

						Results/Comments:
1	☒	Data	☒	Avg	☐ Summary	
2	☒	Data	☒	Avg	☐ Summary	

Data Rams:

1	☒	Data
2	☒	Data

Weather Station: ☐ YES

Background Readings:

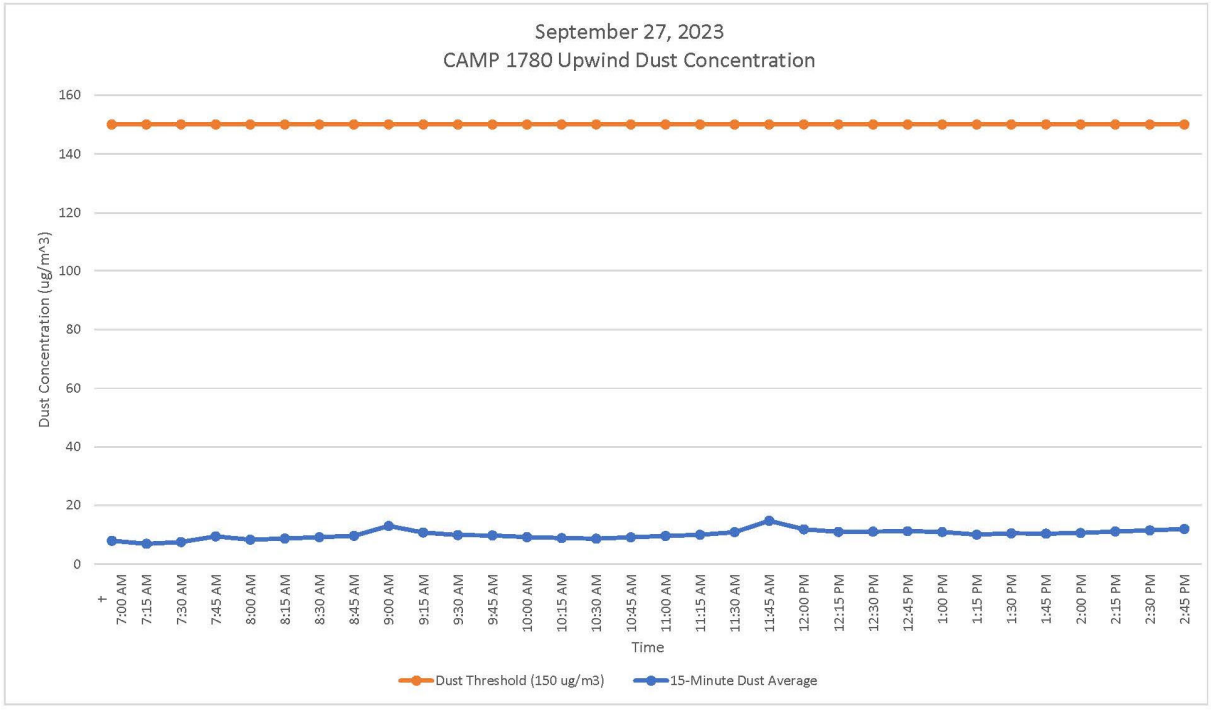
PID 1: 0.0
PID 2: 0.0

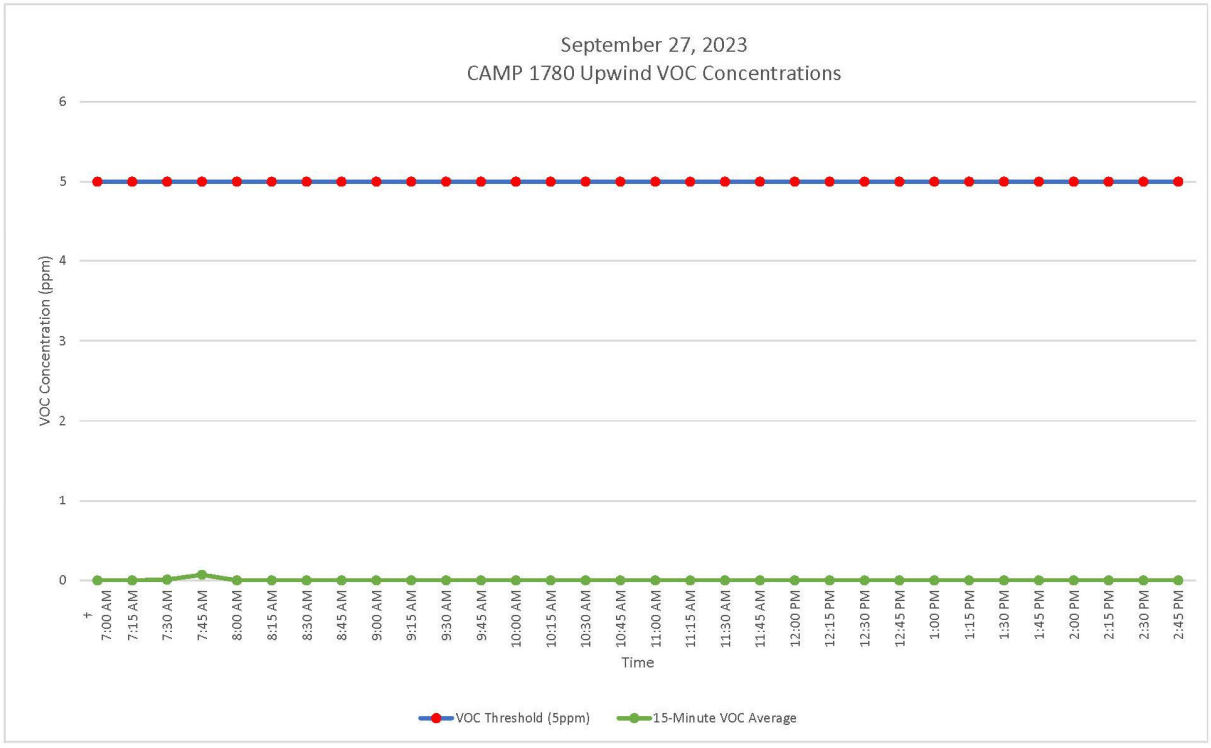
Data Ram 1: 7.95
Data Ram 2: 5.96

GZA DAILY FIELD SUMMARY 47

DATE: 9/27/2023

FILE NO: 41.0163097.00

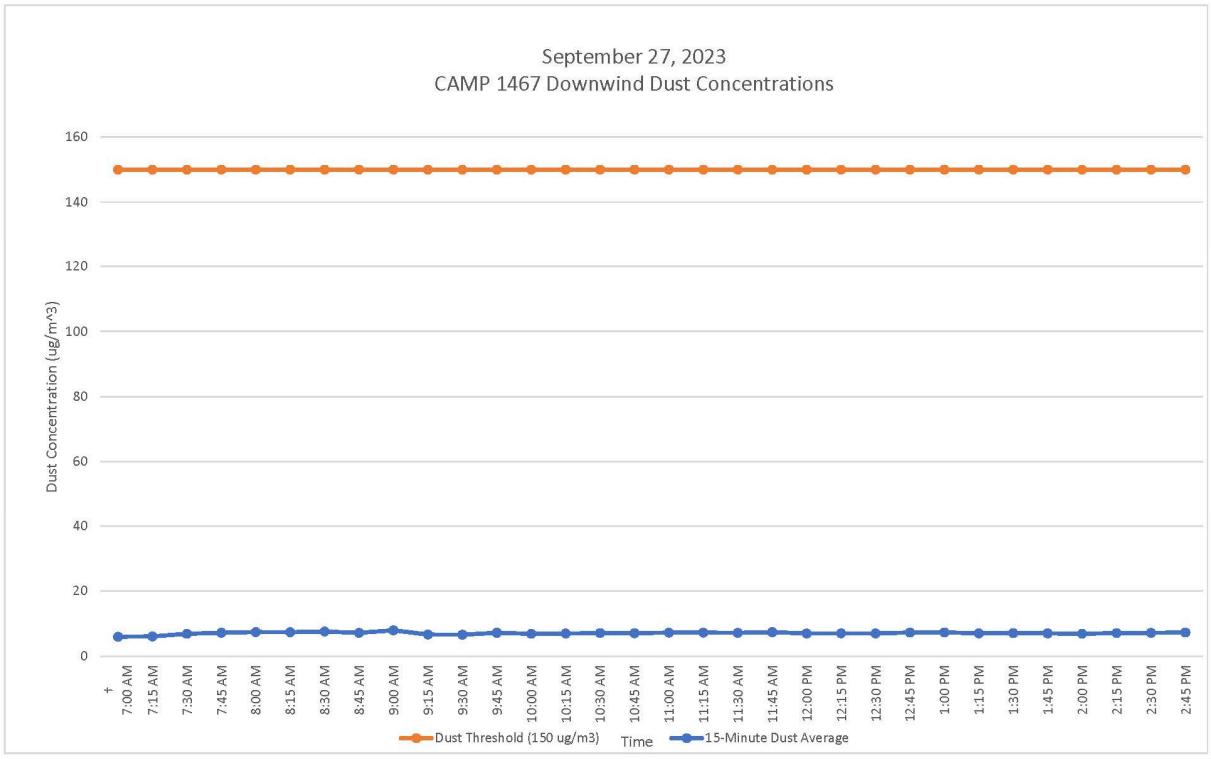


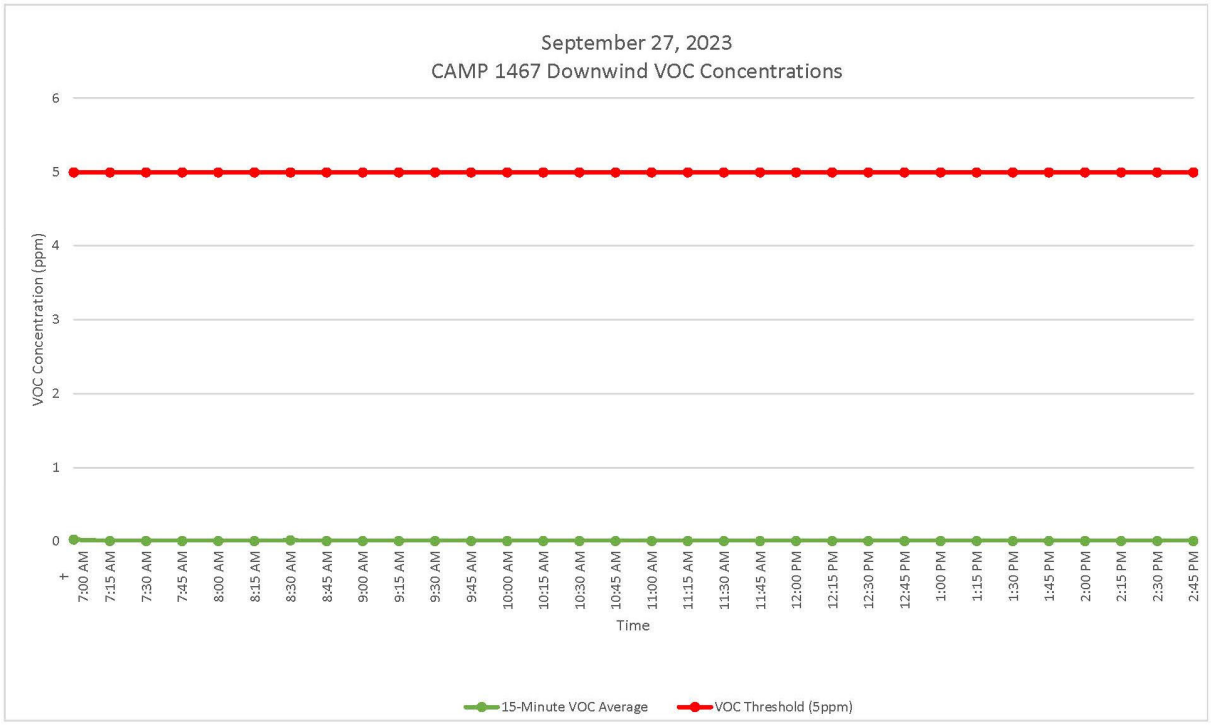


GZA DAILY FIELD SUMMARY 47

DATE: 9/27/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 47

DATE: 9/27/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 47

DATE: 9/27/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	3	78.56	3	78.56
Total	**3**	**78.56**	**3**	**78.56**

GZA DAILY FIELD SUMMARY 48

DATE: 9/28/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast/Rain
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	60.60°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	52.97°F
		MAX WIND SPEED	20 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.01 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, September 28, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
SITE VISITORS:	**J&A Concrete**	
	Paul Cunha	
	Success Academy	
	Richard Gladstone	
	DBI Projects	
	Ricky Gautier	
	SOM	
	Kirsten Youngren	

GZA DAILY FIELD SUMMARY 48

DATE: 9/28/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 9/28/2023

Work Location (Attachment A): Grid A2, A3, B1, B2, C1, C2, C3, C4, D1 and D3.

1. Soil Solutions continued driving and welding piles in grid A3.
2. J&A constructed timber formwork for pile caps in grid A2.
3. J&A unloaded rebar from delivery truck and stored in grid D3.
4. Grade beam formwork and backfilling around forms with soil from adjacent areas in grids B1 and C1.
5. J&A performed dewatering at pile locations in grids B1, B2, C1, C2, C3, and D1. A total of 6,944.0 gallons of groundwater was treated and generated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.02 ppm, Particulates: 10.14 ug/m^3
High Conditions – PID: 0.07 ppm, Particulates: 17.20 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 48

DATE: 9/28/2023
FILE NO: 41.0163097.00

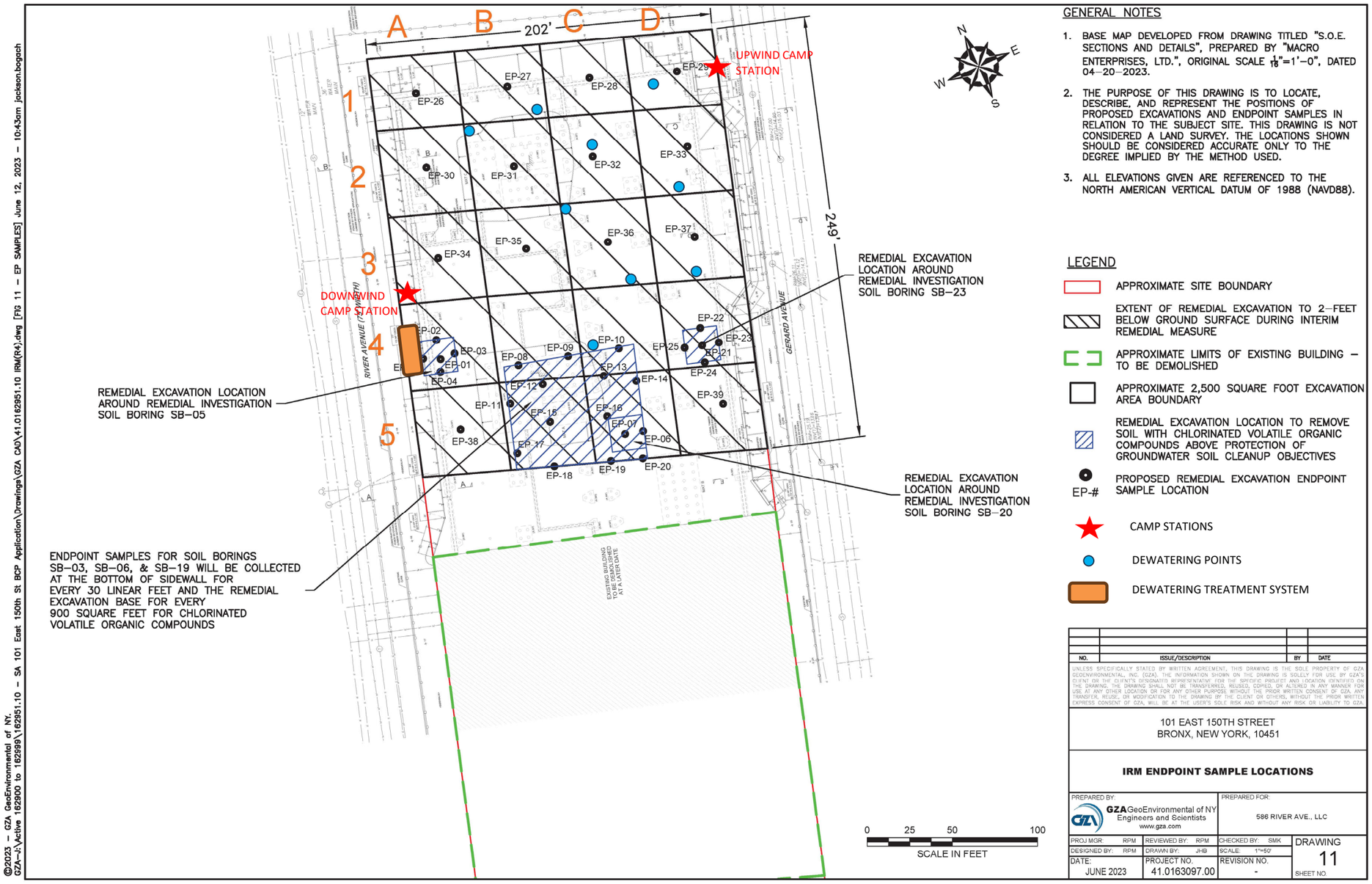
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	6,944.0
Previous	942.10
Total	**7886.10**

GZA DAILY FIELD SUMMARY 48

DATE: 9/28/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\ZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 48

DATE: 9/28/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Northeast	Photo No. 2	Direction Photo Taken Northwest
Description: Soil Solutions driving piles in Grid A3.		**Description:** J&A dewatering from Grid B1.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No. 4**	**Direction Photo Taken** Northwest
Description: Formwork and backfilling around forms in grids B1 and C1.		**Description:** J&A unloading rebar from delivery truck.	

GZA DAILY FIELD SUMMARY 48

DATE: 9/28/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 28, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

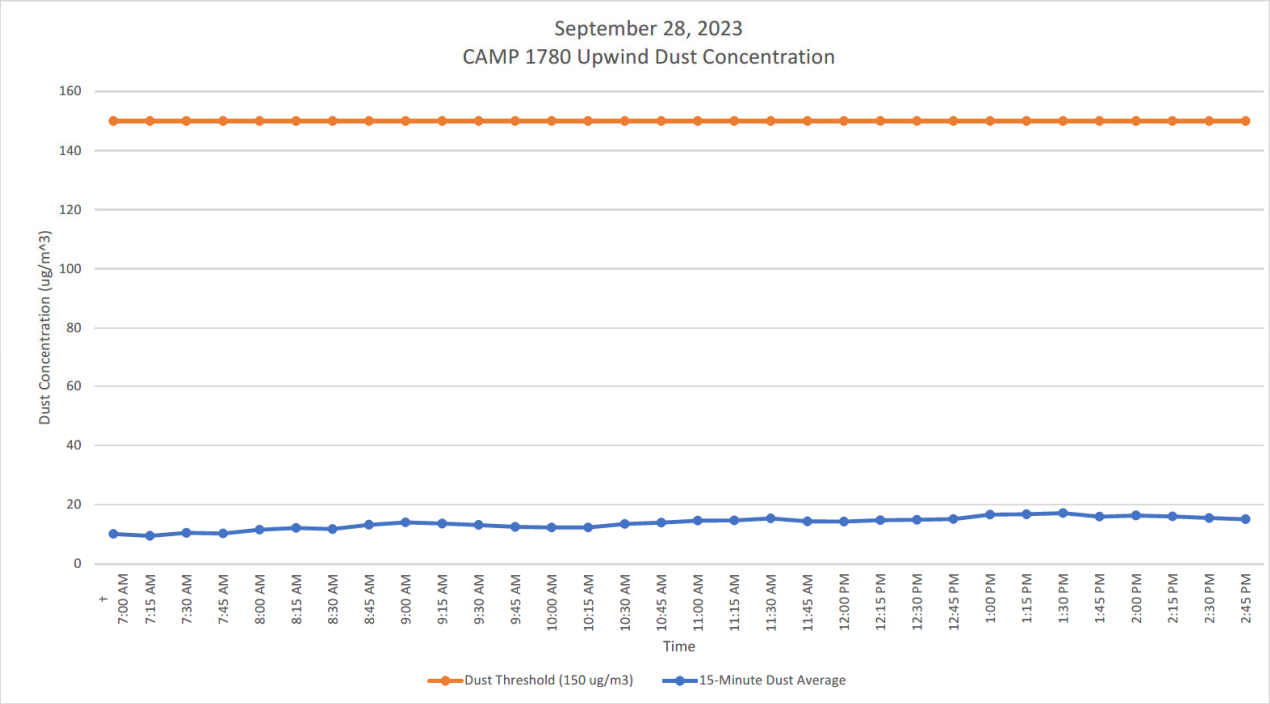
Background Readings:
PID 1: 0.0
PID 2: 0.0

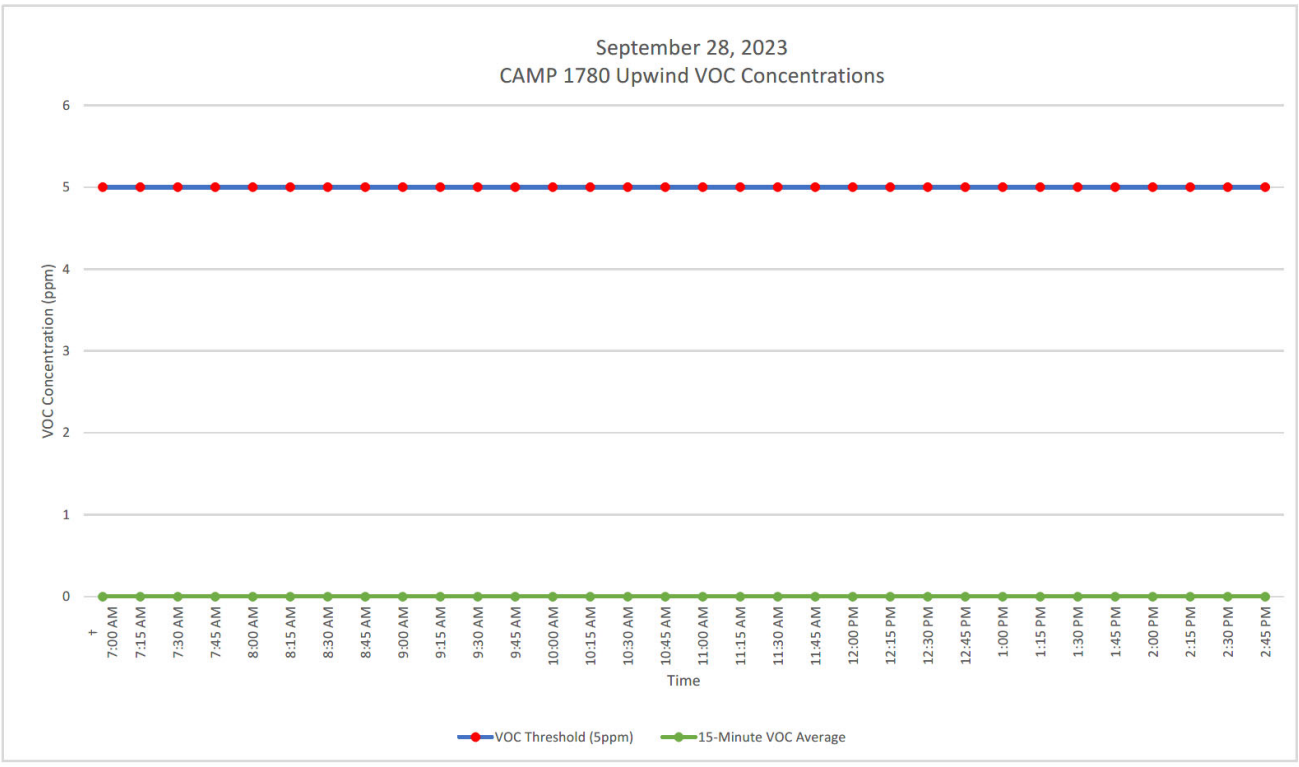
Data Ram 1: 10.01
Data Ram 2: 10.14

GZA DAILY FIELD SUMMARY 48

DATE: 9/28/2023

FILE NO: 41.0163097.00

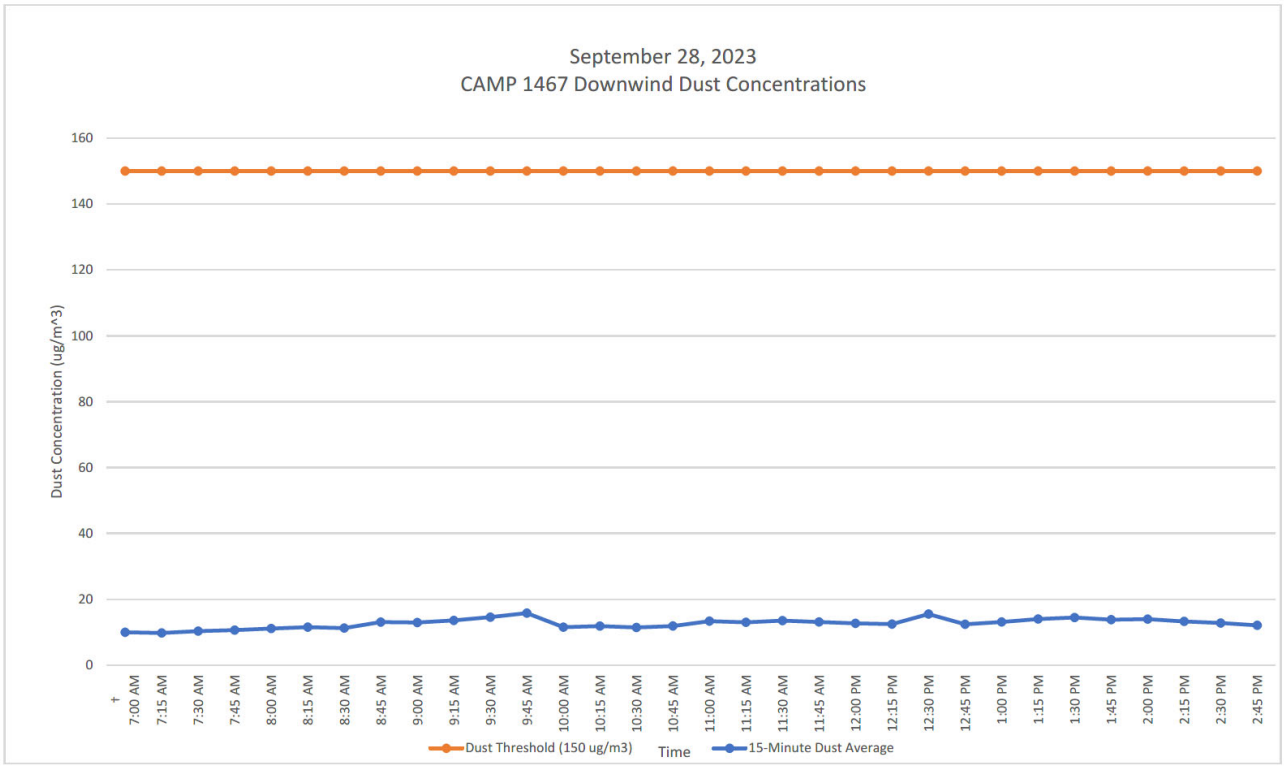


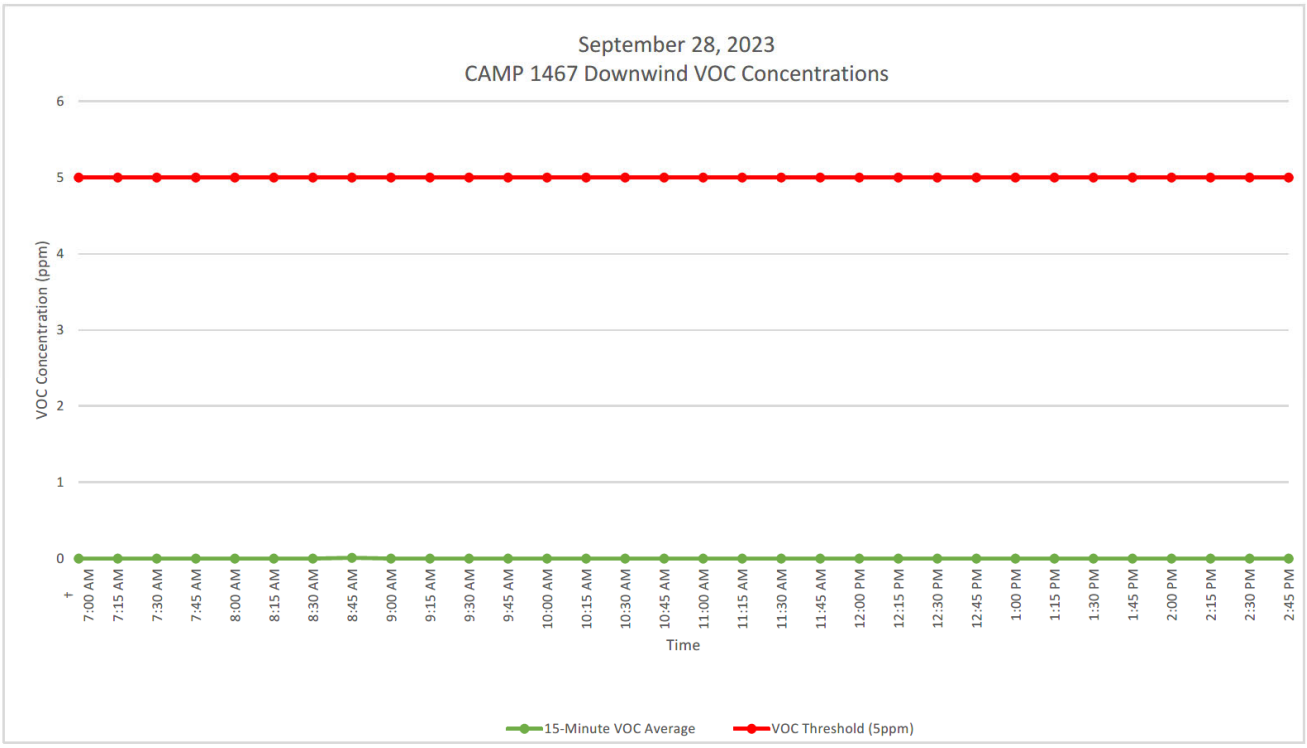


GZA DAILY FIELD SUMMARY 48

DATE: 9/28/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 48

DATE: 9/28/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 48

DATE: 9/28/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	3	78.56	3	78.56
Total	**3**	**78.56**	**3**	**78.56**

GZA DAILY FIELD SUMMARY 49

DATE: 9/29/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Heavy Rain
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	60.84°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	58.00°F
		MAX WIND SPEED	22 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	1.80 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, September 29, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
SITE VISITORS:	**J&A Concrete**	
	Paul Cunha	
	Success Academy	
	Richard Gladstone	
	DBI Projects	
	Ricky Gautier	
	SOM	
	Kirsten Youngren	

GZA DAILY FIELD SUMMARY 49

DATE: 9/29/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 9/29/2023

Work Location (Attachment A): Grid A2, B1, B2, C1, C2, C3, D3, D4 and D5.

1. J&A unloaded timber for formwork and stored in grid A2.
2. J&A unloaded moved completed timber formwork from grid A2 to D4.
3. J&A performed dewatering at pile locations in grids B1, B2, C1, C2, C3, and D1. A total of 1,229.00 gallons of groundwater was treated and generated for the day.
4. Soil solutions delivered a new drill rig and casings and stored in grid D5.

Due to the inclement weather conditions, Site work ended earlier.
Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.01 ppm, Particulates: 10.14 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 9.09 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 49

DATE: 9/29/2023
FILE NO: 41.0163097.00

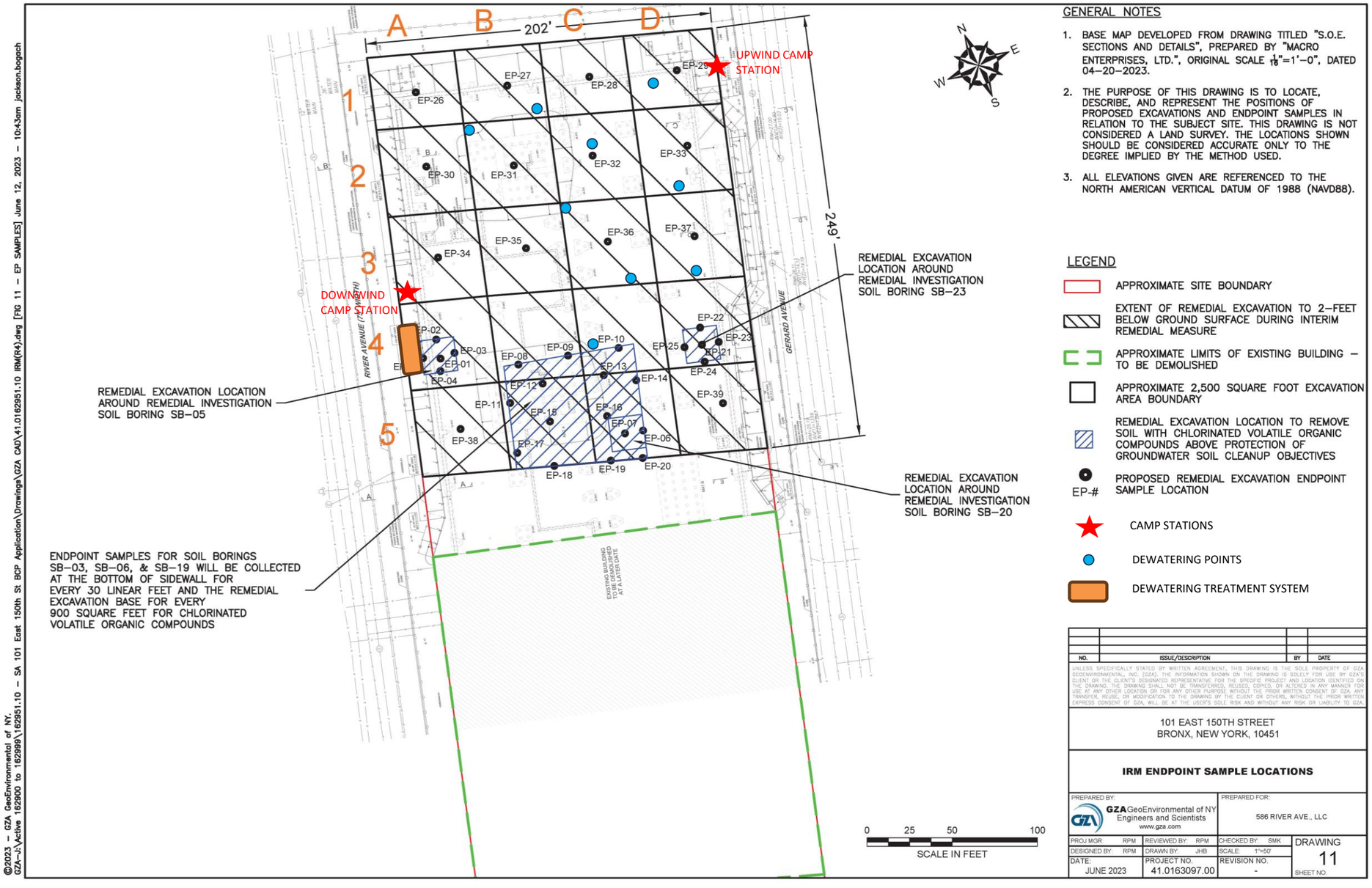
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	1,229.00
Previous	7,886.10
Total	**9,115.10**

GZA DAILY FIELD SUMMARY 49

DATE: 9/29/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

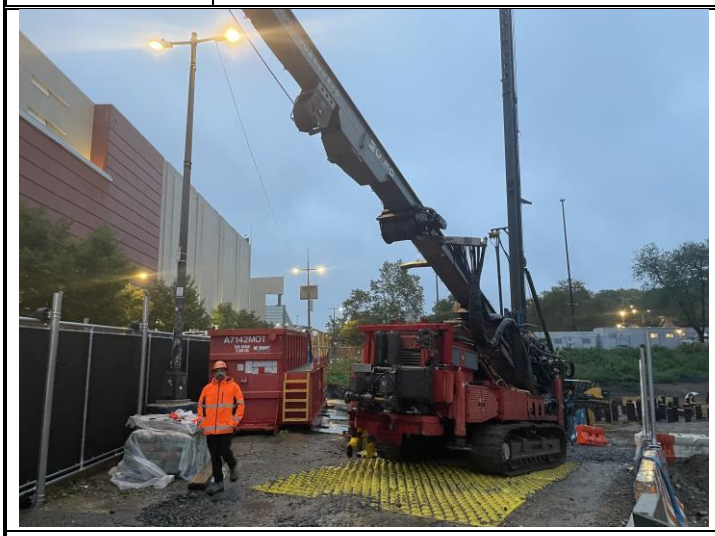
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\GZA–Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 49

DATE: 9/29/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: North	Photo No. 2	Direction Photo Taken Southeast
			
Description: Soil Solutions delivering new drill rig, stored in Grid D5.		**Description:** J&A relocating wood formwork to Grid D3.	
Photo No. 3	**Direction Photo Taken:** North	**Photo No. 4**	**Direction Photo Taken** Northeast
Description: Additional casings delivered to site. Stored in grid D5.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 49

DATE: 9/29/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: September 29, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

Background Readings:

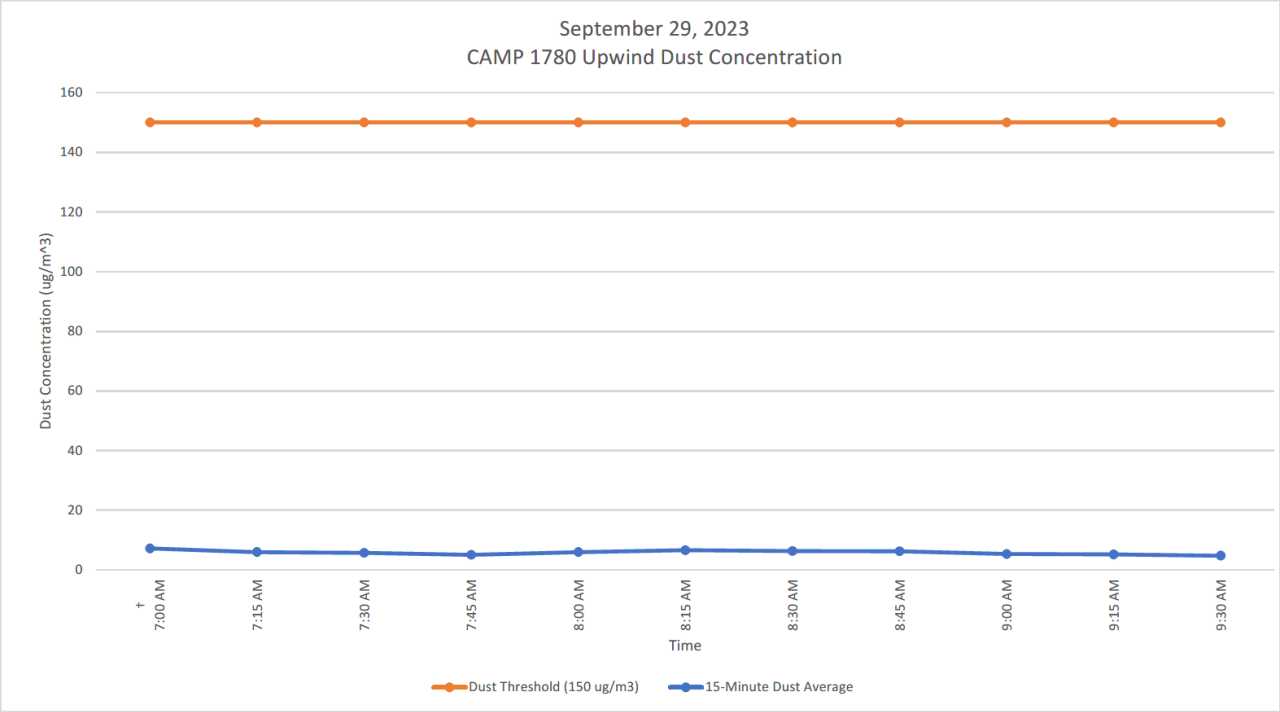
PID 1: 0.0
PID 2: 0.1

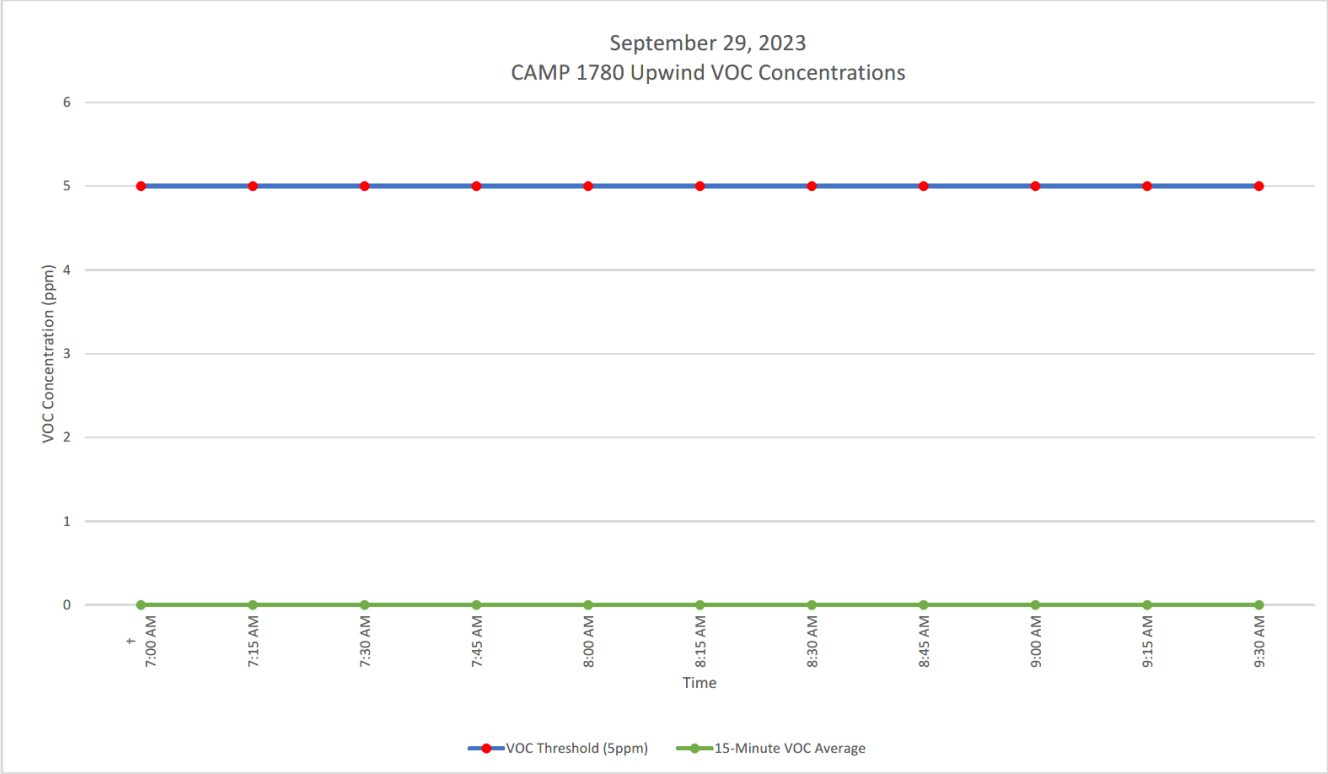
Data Ram 1: 7.14
Data Ram 2: 6.87

GZA DAILY FIELD SUMMARY 49

DATE: 9/29/2023

FILE NO: 41.0163097.00

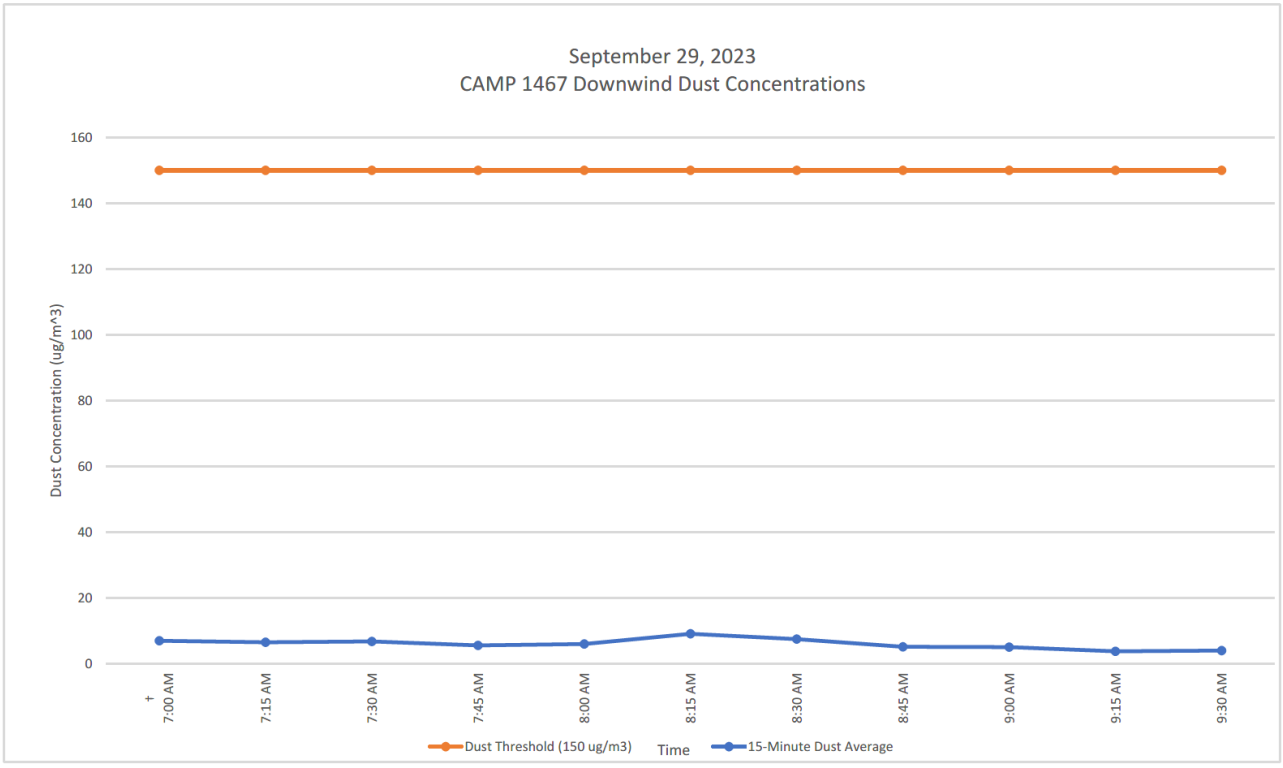


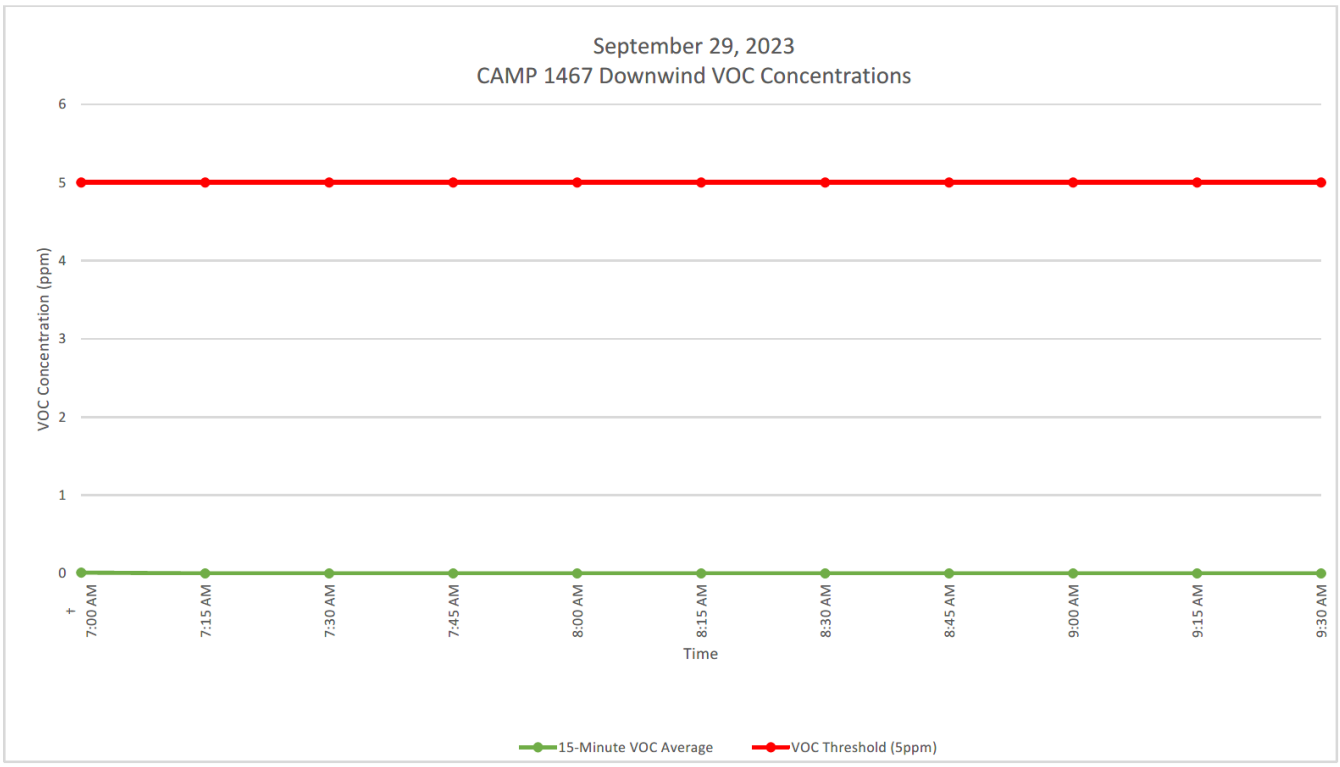


GZA DAILY FIELD SUMMARY 49

DATE: 9/29/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 49

DATE: 9/29/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 49

DATE: 9/29/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	3	78.56	3	78.56
Total	**3**	**78.56**	**3**	**78.56**

GZA DAILY FIELD SUMMARY 50

DATE: 10/2/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	70.58°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	57.83°F
		MAX WIND SPEED	10 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, October 2, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**J&A Concrete**	
	Paul Cunha	
	Success Academy	
	Richard Gladstone	
	DBI Projects	
	Ricky Gautier	
	SOM	
	Kirsten Youngren	

GZA DAILY FIELD SUMMARY 50

DATE: 10/2/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 10/2/2023

Work Location (Attachment A): Grid A1, B1, B2, C1, C2 and D1.

1. J&A unloaded timber for formwork and stored in grid A1.
2. Hoffman Equipment on Site for maintenance of J&A excavators.
3. J&A performed dewatering at pile locations in grids B1, B2, C1, C2 and D1. A total of 8,825.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 12.30 ug/m^3
High Conditions – PID: 0.05 ppm, Particulates: 18.07 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 50

DATE: 10/2/2023
FILE NO: 41.0163097.00

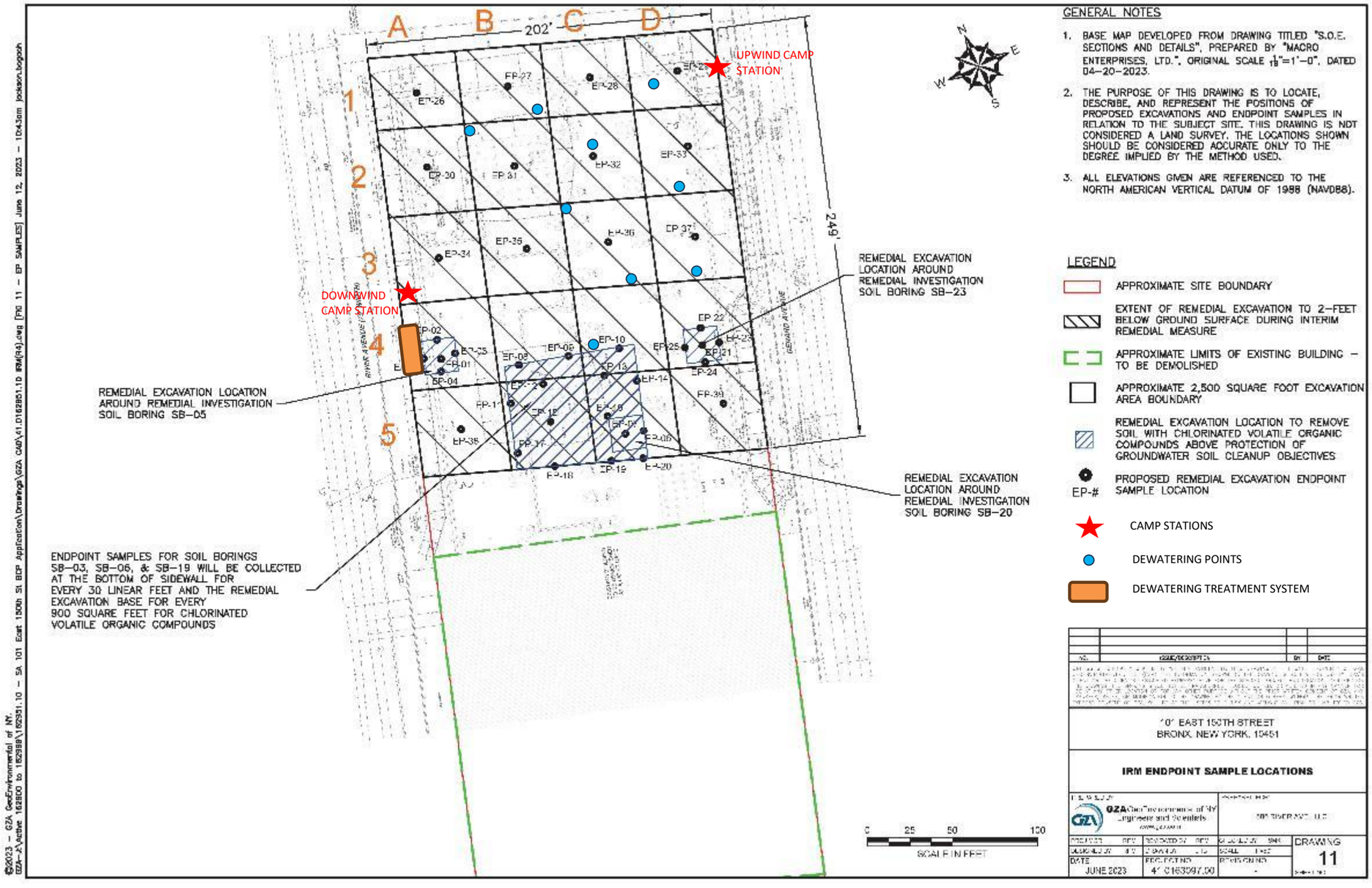
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	8,825.00
Previous	9,115.10
Total	**17,940.10**

GZA DAILY FIELD SUMMARY 50

DATE: 10/2/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GZA DAILY FIELD SUMMARY 50

DATE: 10/2/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	Northeast	2	East

Description: J&A storing newly delivered lumber in Grid A1.

Description: Hoffman Equipment providing maintenance on J&A excavator.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
3	North	4	East

Description: J&A dewatering at wellpoint in Grid C2.

Description: Overview of Site at end of day.

GZA DAILY FIELD SUMMARY 50

DATE: 10/2/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 2, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

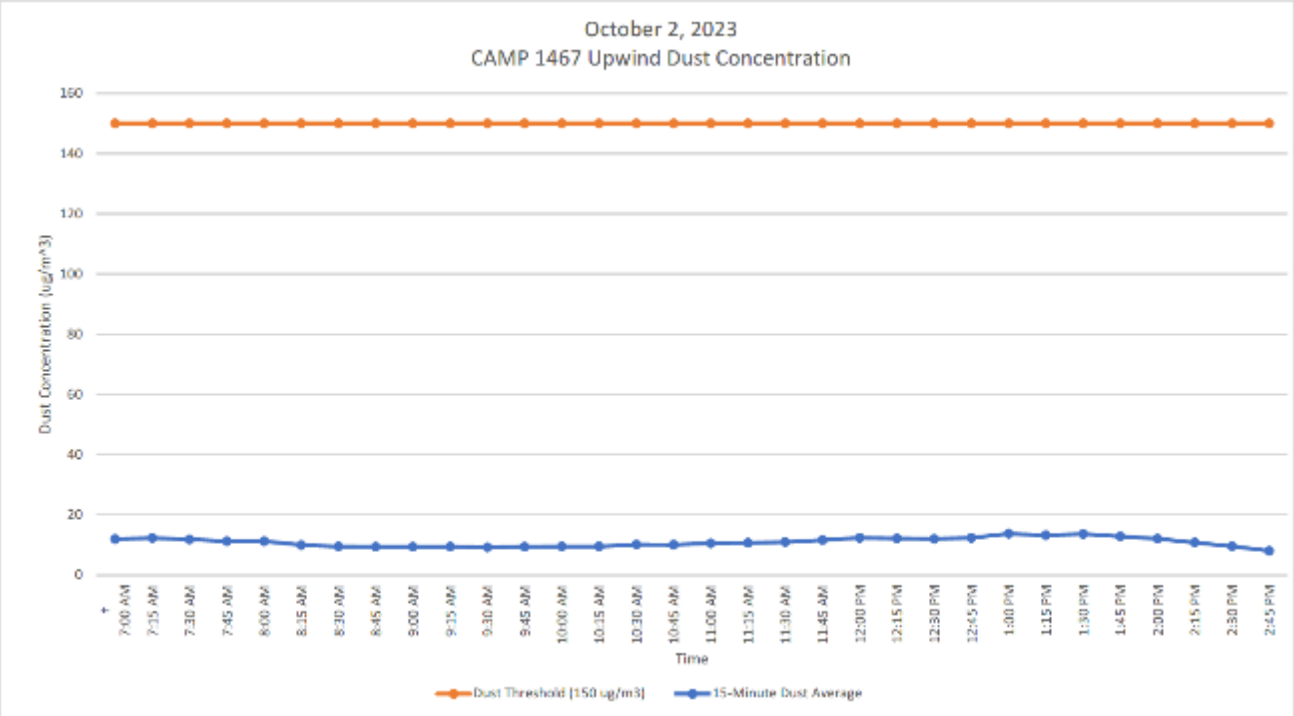
Background Readings:

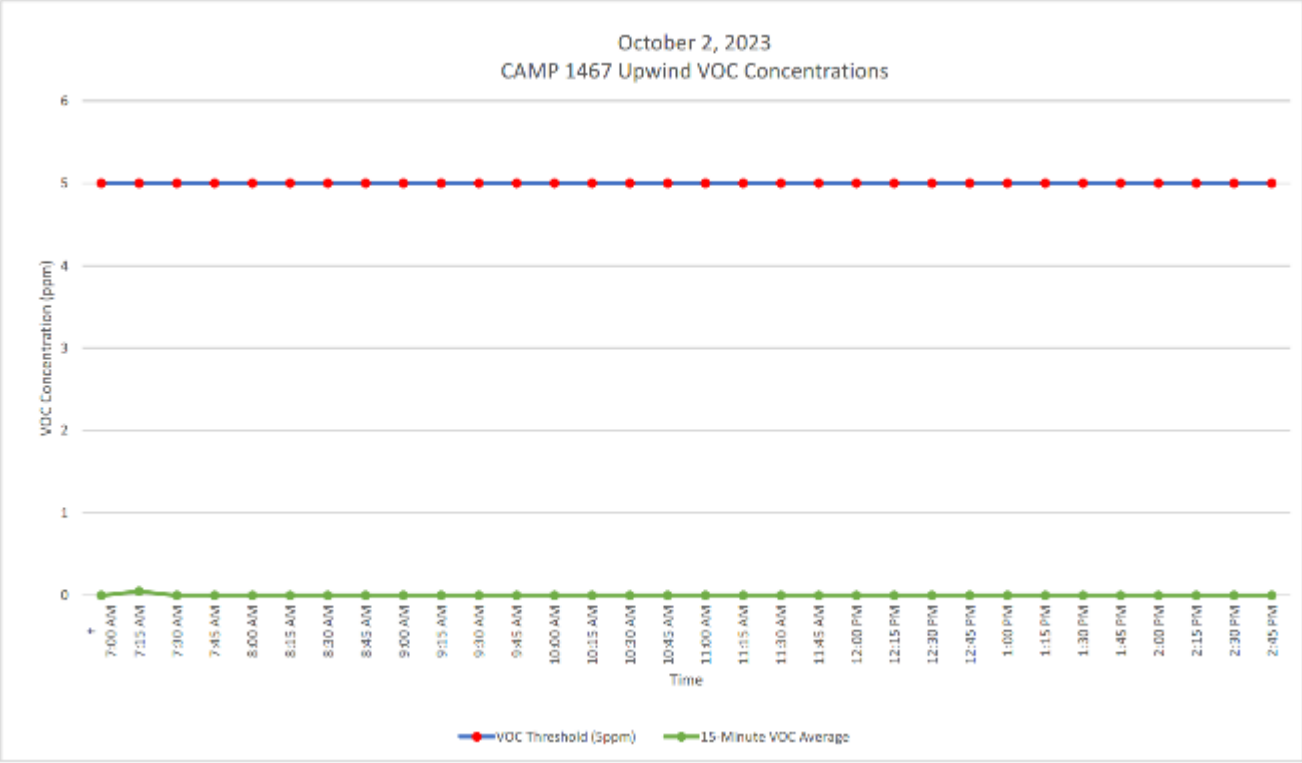
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 12.30
Data Ram 2: 11.96

GZA DAILY FIELD SUMMARY 50

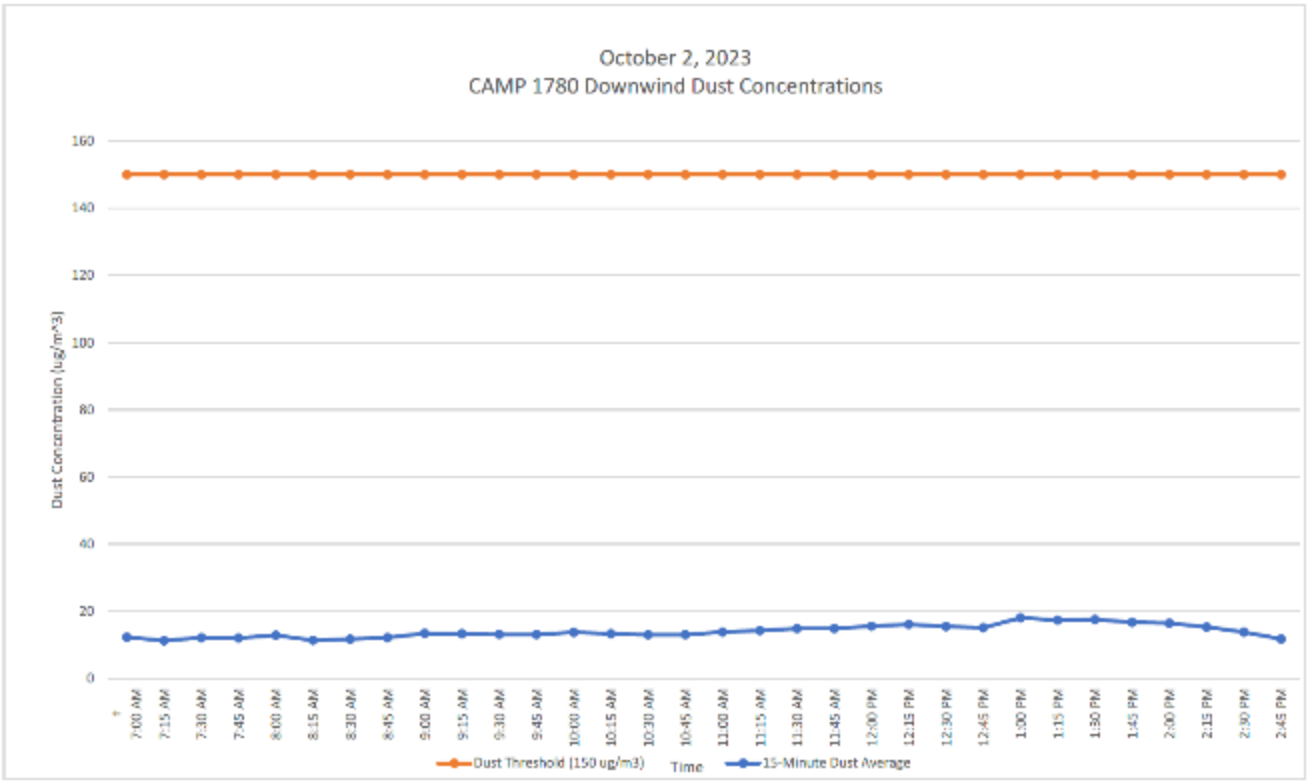
DATE: 10/2/2023
FILE NO: 41.0163097.00

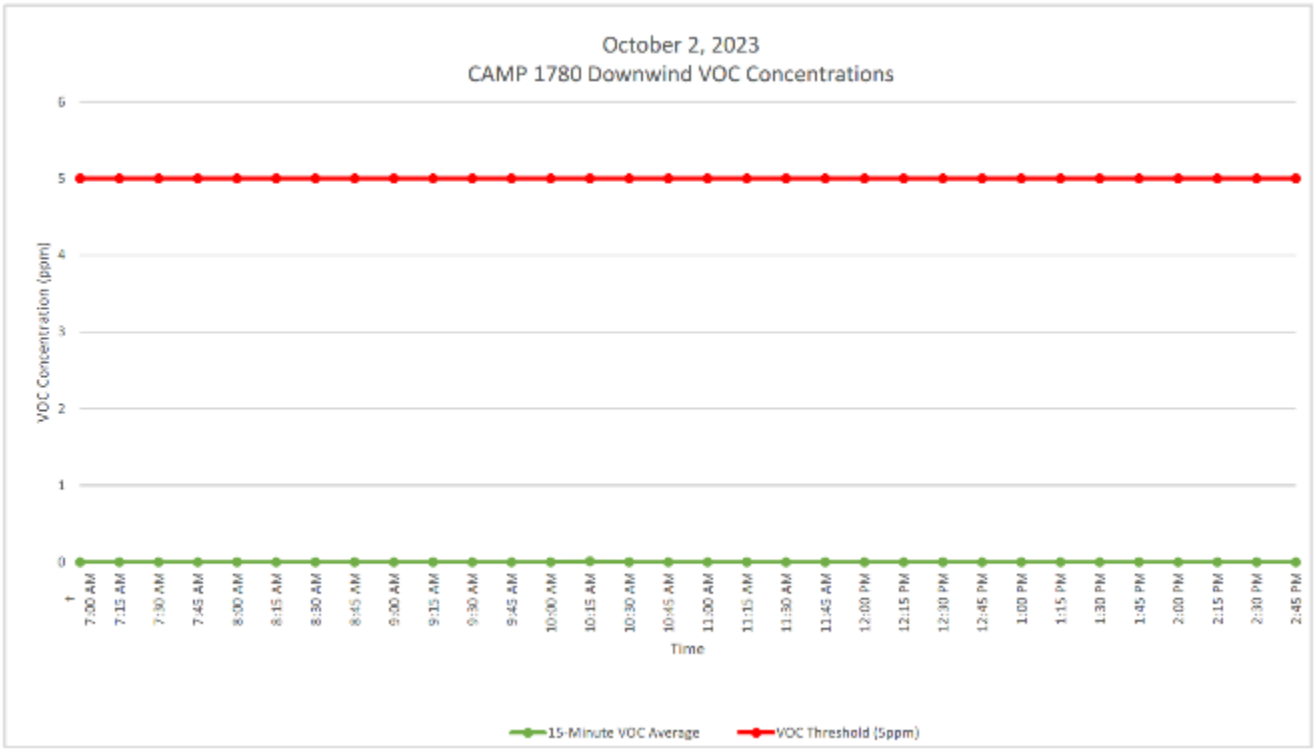




GZA DAILY FIELD SUMMARY 50

DATE: 10/2/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 50

DATE: 10/2/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 50

DATE: 10/2/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	3	78.56	3	78.56
Total	**3**	**78.56**	**3**	**78.56**

GZA DAILY FIELD SUMMARY 51

DATE: 10/3/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	71.33°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	58.63°F
		MAX WIND SPEED	6 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, October 3, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
SITE VISITORS:	**J&A Concrete**	
	Paul Cunha	
	Success Academy	
	Richard Gladstone	
	DBI Projects	
	Ricky Gautier	
	SOM	
	Kirsten Youngren	

GZA DAILY FIELD SUMMARY 51

DATE: 10/3/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 10/3/2023

Work Location (Attachment A): Grid A1, B1, B2, C1, C2 and D1.

1. J&A built timber formwork and stored in grid D4.
2. J&A excavated area in grid C1 in preparation for formwork installation.
3. J&A performed dewatering at pile locations in grids B1, B2, C1, C2 and D1. A total of 9,368.00 gallons of groundwater was generated and treated for the day.
4. Soil Solutions was on Site for maintenance of drill rigs.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.01 ppm, Particulates: 18.80 ug/m^3
High Conditions – PID: 0.05 ppm, Particulates: 26.81 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 51

DATE: 10/3/2023
FILE NO: 41.0163097.00

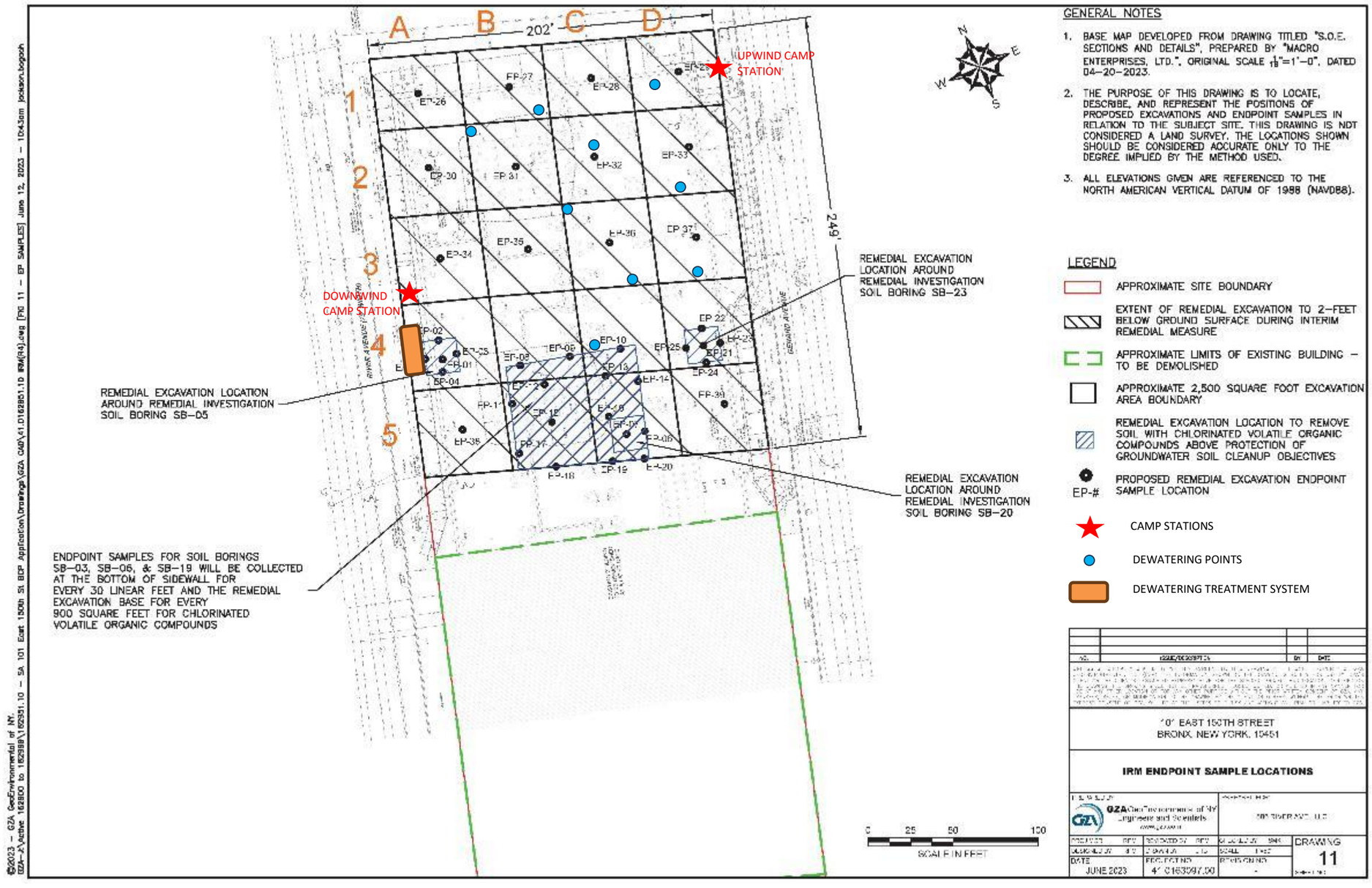
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	9,368.00
Previous	17,940.10
Total	**27,308.10**

GZA DAILY FIELD SUMMARY 51

DATE: 10/3/2023
FILE NO: 41.0163097.00

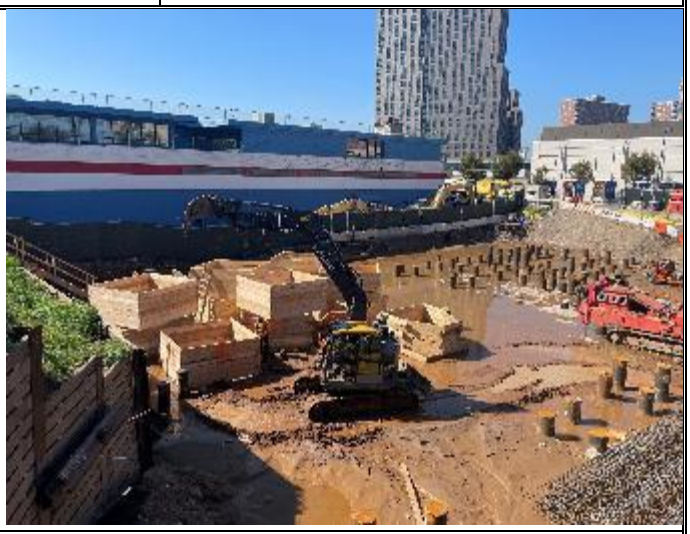
ATTACHMENT A – SITE PLAN



GZA DAILY FIELD SUMMARY 51

DATE: 10/3/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** Southwest
			
Description: J&A excavating in Grid C1 for new formwork installation.		**Description:** J&A moving formwork to Grid D4	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No.** 4	**Direction Photo Taken** Southwest
Description: J&A dewatering at wellpoint in Grid C1.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 51

DATE: 10/3/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 3, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**		
1 ☐ YES	☐ NO		1 ☐ YES	☒ NO	
2 ☐ YES	☐ NO		2 ☐ YES	☒ NO	
Hand Held ☒ YES	☐ NO		Hand Held ☒ YES	☐ NO	

Data Rams: **Zero**

1 ☐ YES	☒ NO			
2 ☐ YES	☒ NO			
Hand Held ☒ YES	☐ NO	Hand Held ☒ YES	☐ NO	

Post-Shift Download:

PIDs:

Instrument:			Results/Comments:
1 ☒ Data	☒ Avg	☐ Summary	
2 ☒ Data	☒ Avg	☐ Summary	

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

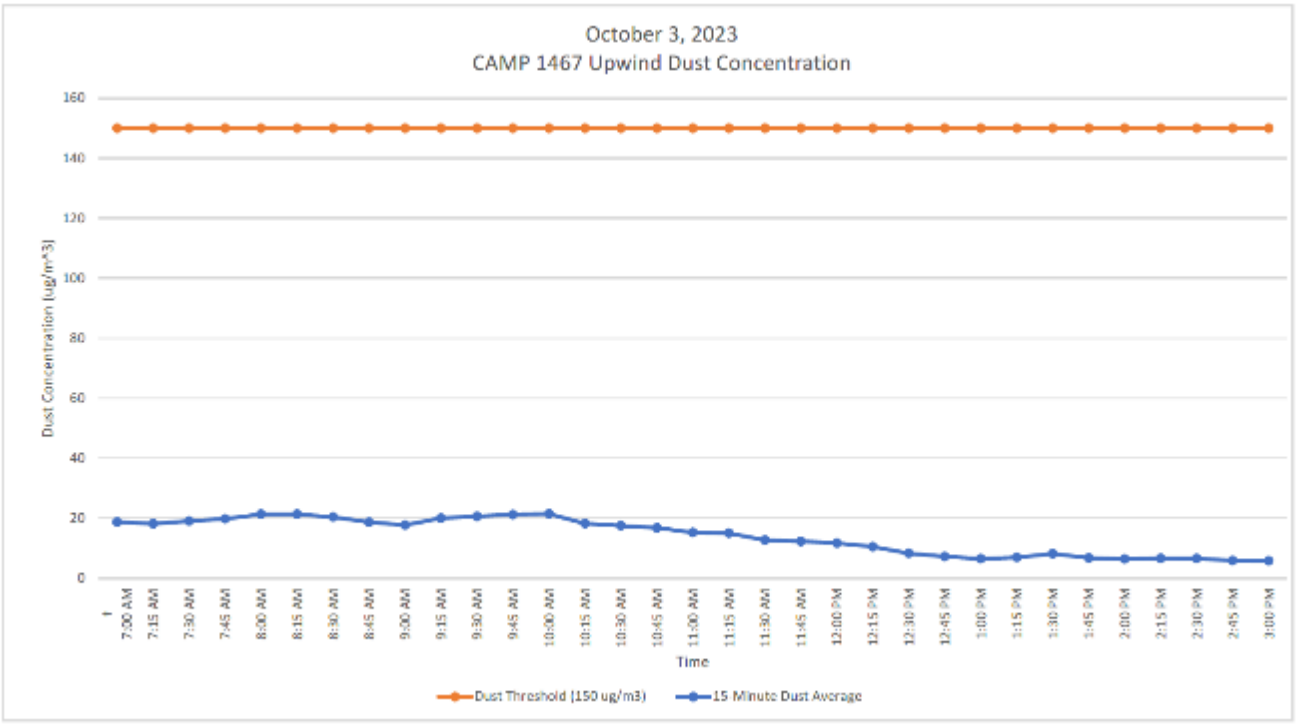
PID 1: 0.1
PID 2: 0.0

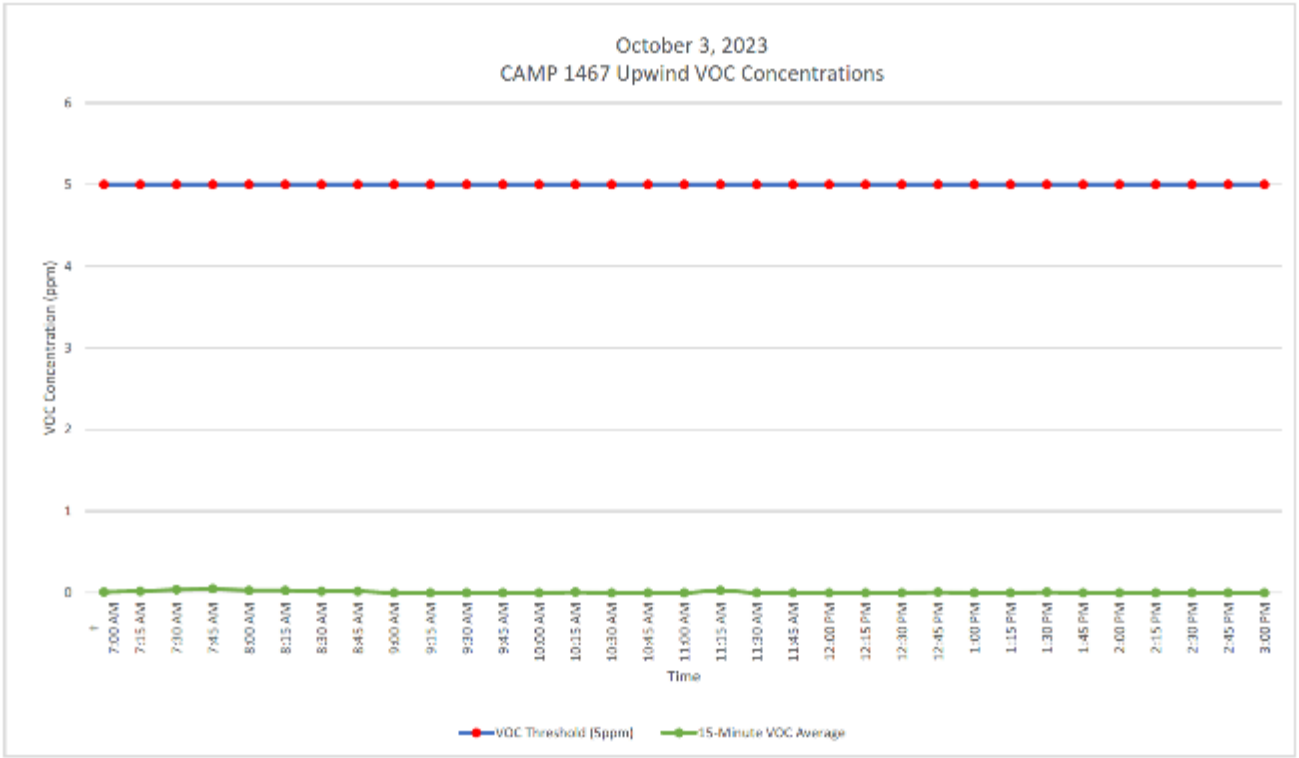
Data Ram 1: 18.80
Data Ram 2: 18.58

GZA DAILY FIELD SUMMARY 51

DATE: 10/3/2023

FILE NO: 41.0163097.00

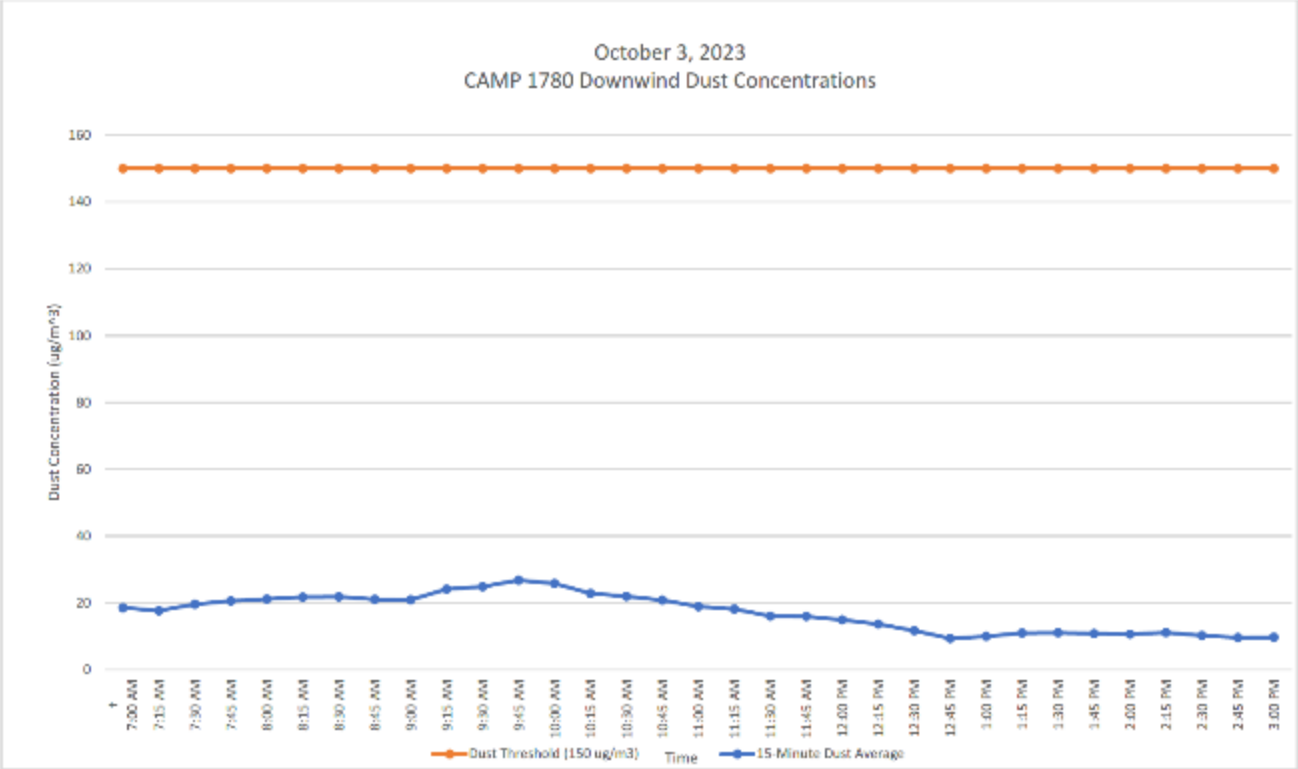


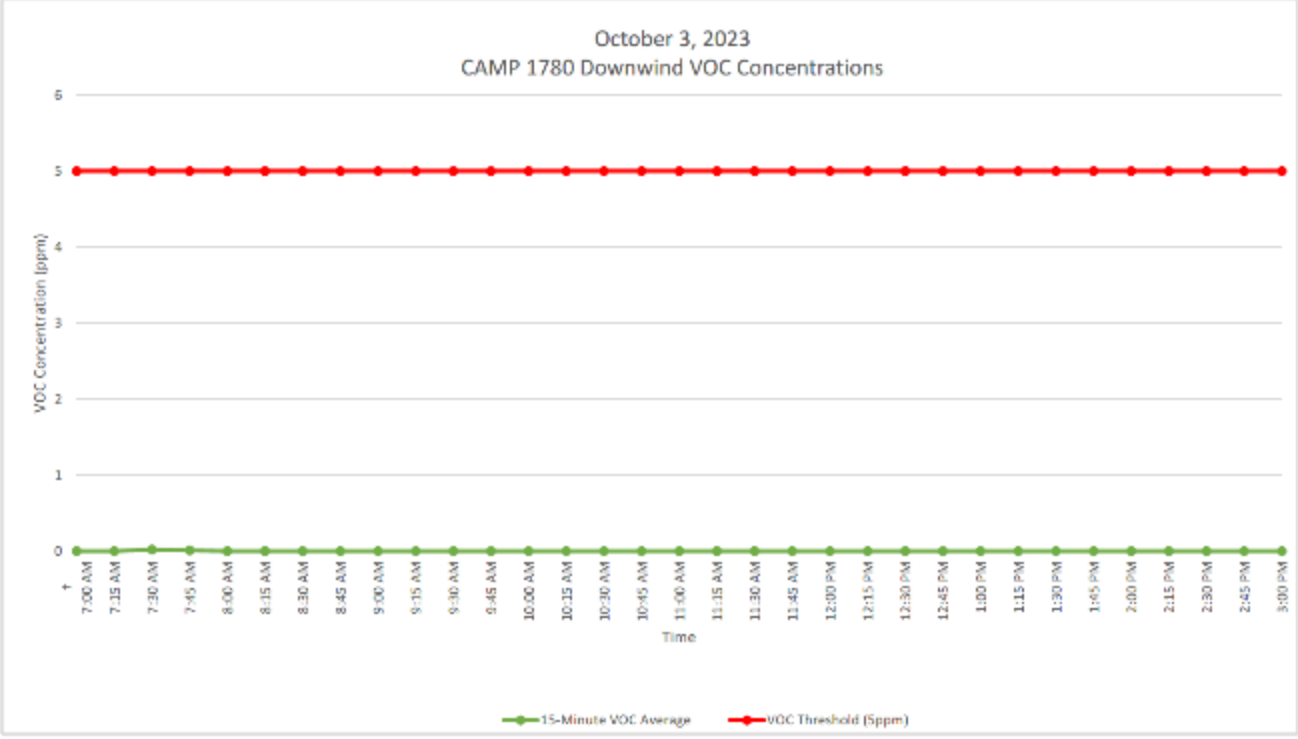


GZA DAILY FIELD SUMMARY 51

DATE: 10/3/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 51

DATE: 10/3/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 51

DATE: 10/3/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	3	78.56	3	78.56
Total	**3**	**78.56**	**3**	**78.56**

GZA DAILY FIELD SUMMARY 52

DATE: 10/4/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	72.88°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	62.17°F
		MAX WIND SPEED	8 mph from SSE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, October 4, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	Mark Frey
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
	Clean Globe	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 52

DATE: 10/4/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 10/4/2023

Work Location (Attachment A): Grid A1, B1, B2, C1, C2 and D1.

1. J&A built timber formwork and stored in grid D4.
2. Soil Solutions began installing a new dewatering well in grid C2. J&A assisted with well installation.
3. J&A performed dewatering at pile locations in grids B1, B2, C1, C2 and D1. A total of 7,670.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 22.10 ug/m^3
High Conditions – PID: 0.04 ppm, Particulates: 26.10 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 52

DATE: 10/4/2023
FILE NO: 41.0163097.00

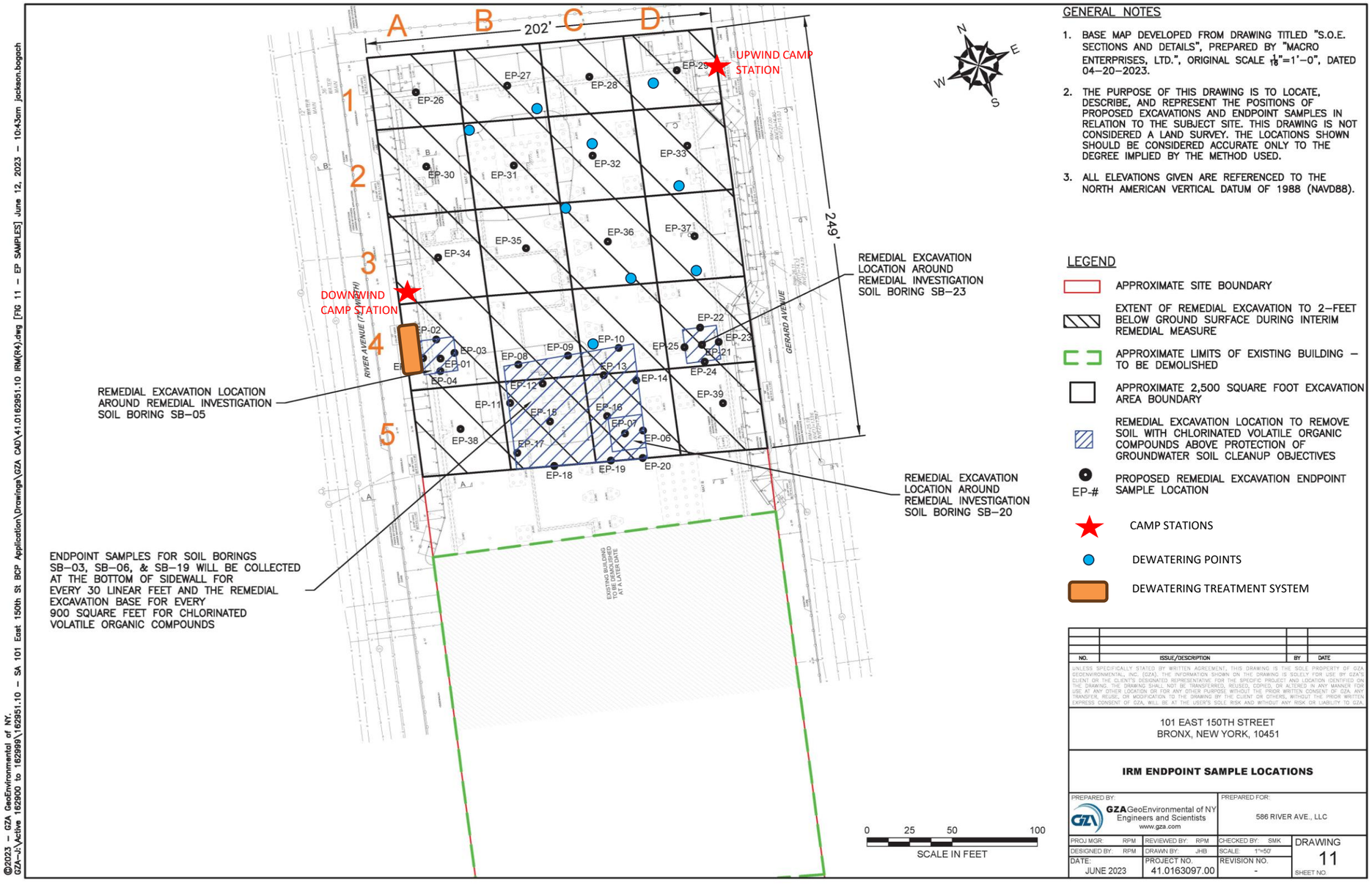
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	7,670.00
Previous	27,308.10
Total	**34,978.10**

GZA DAILY FIELD SUMMARY 52

DATE: 10/4/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

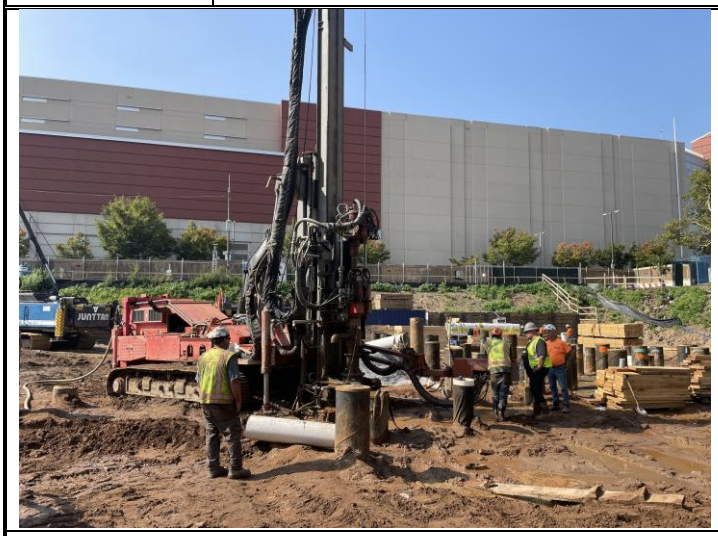
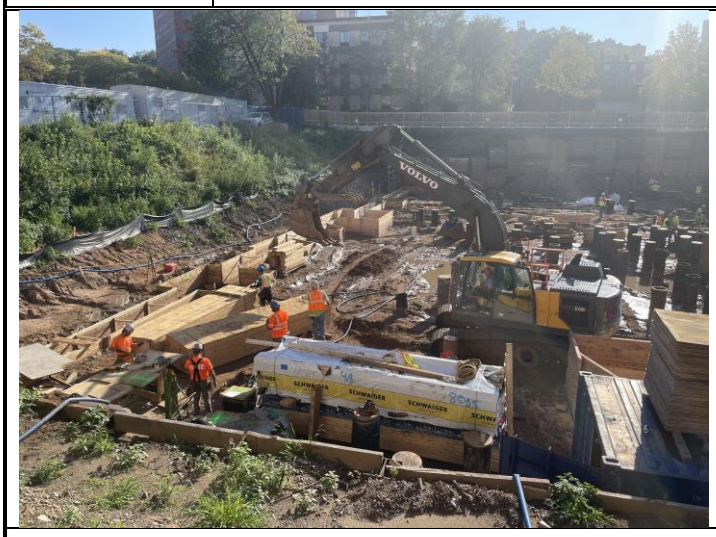
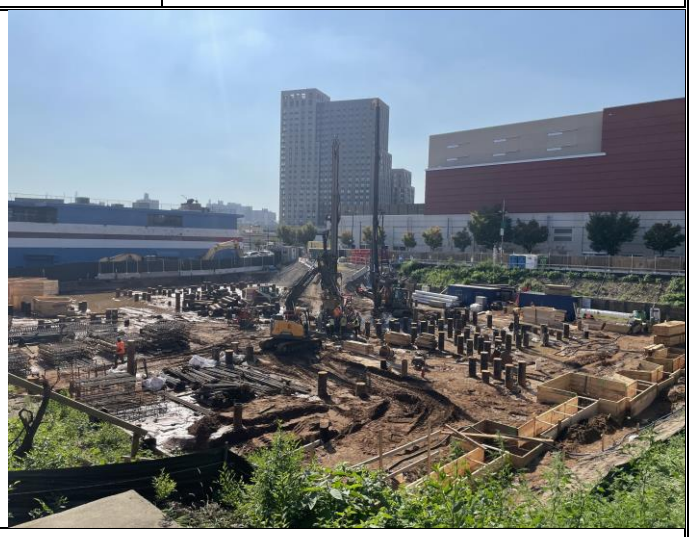
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 11
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [FIG 11 – EP SAMPLES] June 12, 2023 – 10:43am jackson.bogach

GZA DAILY FIELD SUMMARY 52

DATE: 10/4/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** West	**Photo No.** 2	**Direction Photo Taken** Southeast
			
Description: Soil Solutions installing dewatering well in Grid C2.		**Description:** J&A assisting Soil Solutions with dewatering well installation	
Photo No. 3	**Direction Photo Taken:** East	**Photo No.** 4	**Direction Photo Taken** Southwest
			
Description: J&A unloading timber from storage for construction of additional formwork.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 52

DATE: 10/4/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 4, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

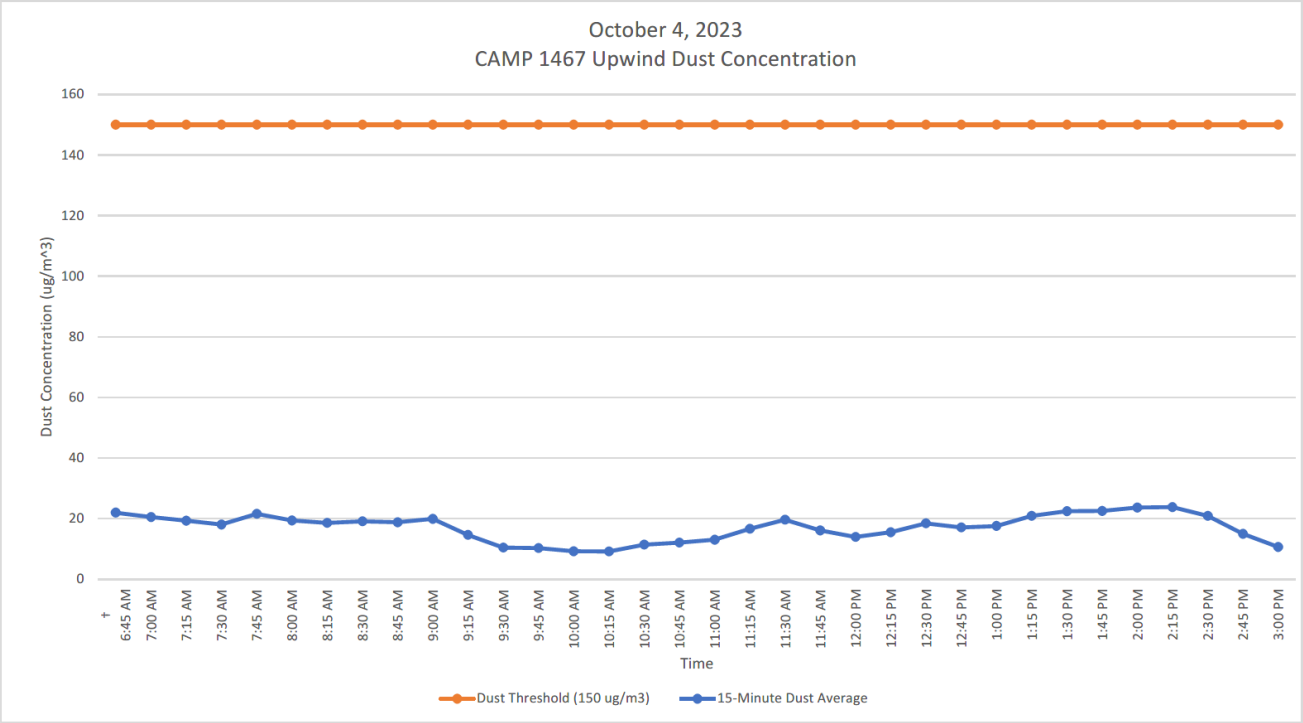
Background Readings:
PID 1: 0.0
PID 2: 0.0

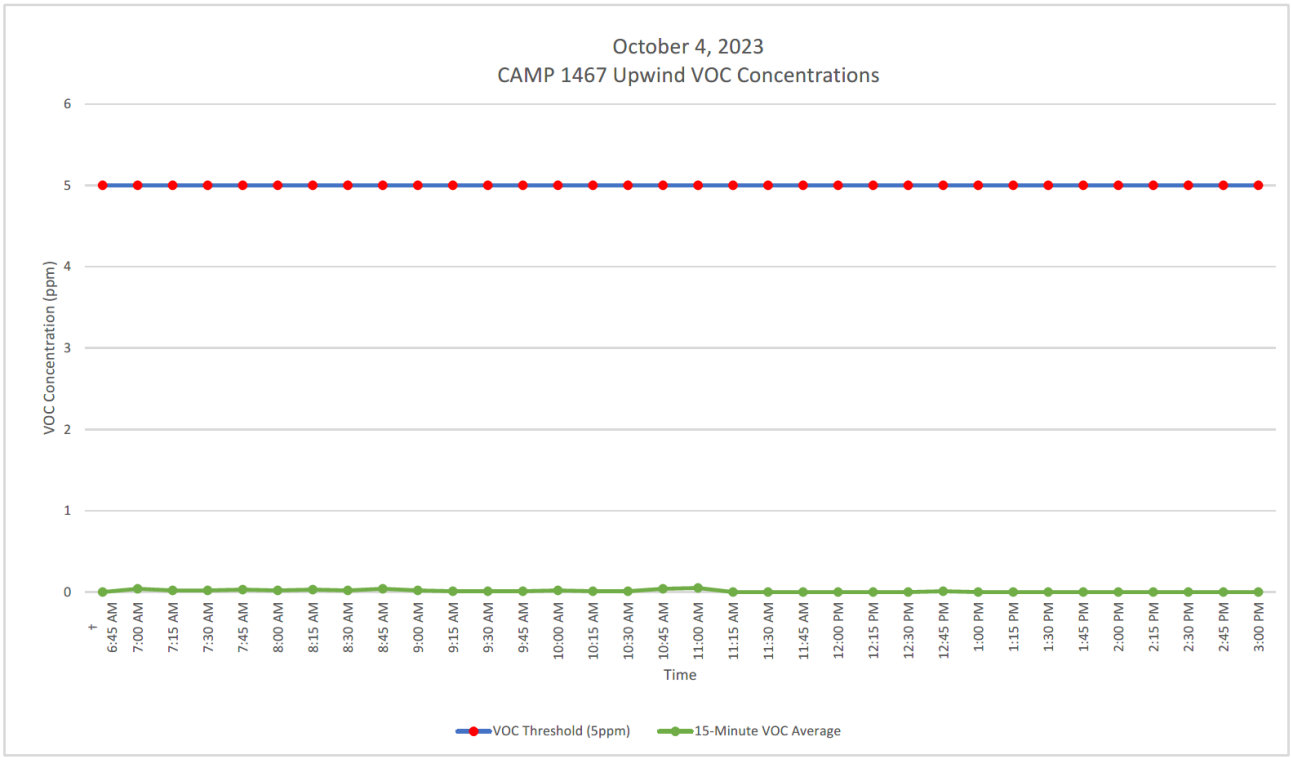
Data Ram 1: 22.10
Data Ram 2: 21.98

GZA DAILY FIELD SUMMARY 52

DATE: 10/4/2023

FILE NO: 41.0163097.00

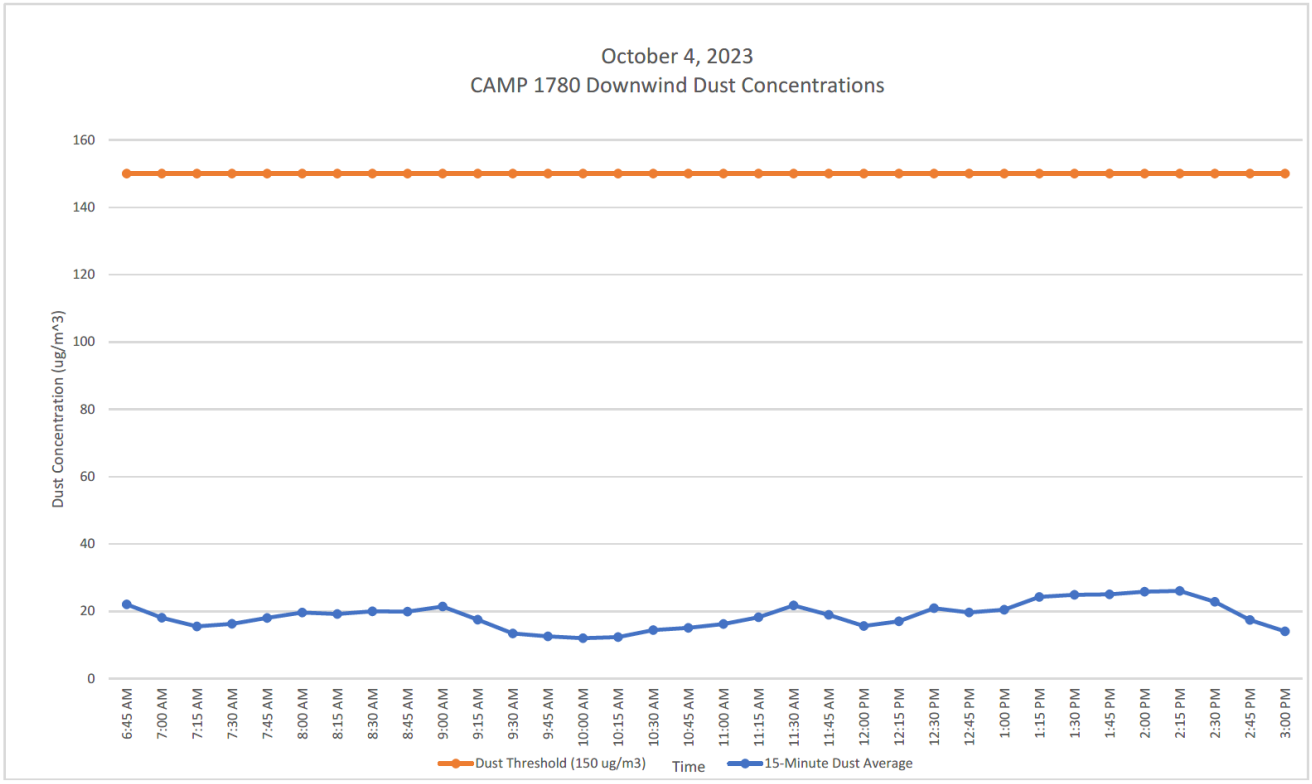


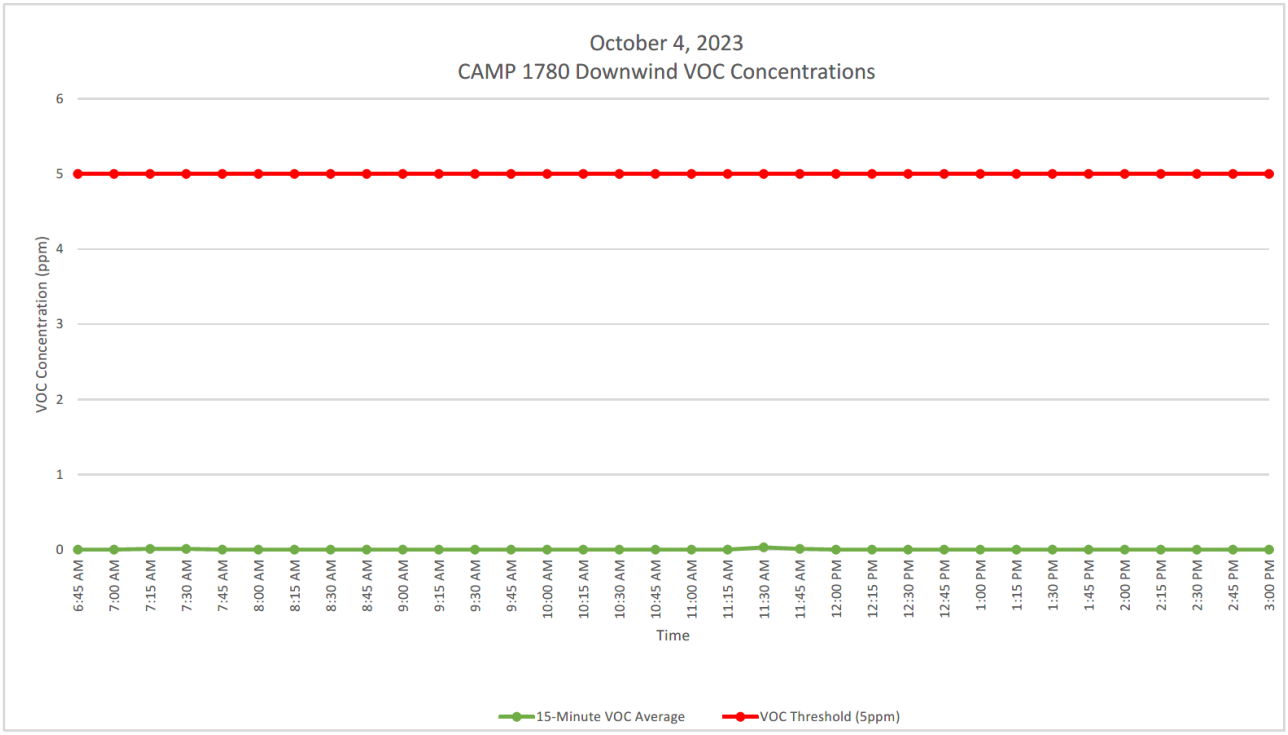


GZA DAILY FIELD SUMMARY 52

DATE: 10/4/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 52

DATE: 10/4/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 52

DATE: 10/4/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	3	78.56	3	78.56
Total	**3**	**78.56**	**3**	**78.56**

GZA DAILY FIELD SUMMARY 53

DATE: 10/5/2023
GZA FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	69.59°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	59.89°F
		MAX WIND SPEED	13 mph from SE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, October 5, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	Mark Frey
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
	Clean Globe Environmental (CGE)	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 53

DATE: 10/5/2023
GZA FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 10/5/2023

Work Location (Attachment A): Grid A1, B1, B2, C1, C2 and D1.

1. J&A built timber formwork and stored in grid D4.
2. Soil Solutions installed four new dewatering wells. Wells were installed in grids A1, A3, B1 and D1. J&A assisted with well installation.
3. J&A performed dewatering at pile locations in grids A1, B1, B2, C1, C2 and D1. A total of 7,670.00 gallons of groundwater was generated and treated for the day.
4. GZA installed six soil vapor probed to eight feet below sidewalk grade and collected samples SV-32 to SV-37.
5. GZA installed two permanent monitoring wells MW-15 and MW-16. MW-15 was installed to a depth of 21.93. MW-16 was installed to a depth of 25.3 feet.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Geoprobe 6610DT track-mounted drill rig

SAMPLES COLLECTED (SINCE LAST REPORT)

- Off-site soil vapor samples SV-32 through SV-37 with a two-hour flow regulator for EPA Method TO-15
- 2-inch monitoring wells MW-15 and MW-16 developed after installation, but no samples collected.

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.02 ppm, Particulates: 23.94 ug/m^3
High Conditions – PID: 0.11 ppm, Particulates: 24.79 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

GZA DAILY FIELD SUMMARY 53

DATE: 10/5/2023
GZA FILE NO: 41.0163097.00

- No material was imported on-Site during this monitoring period.

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

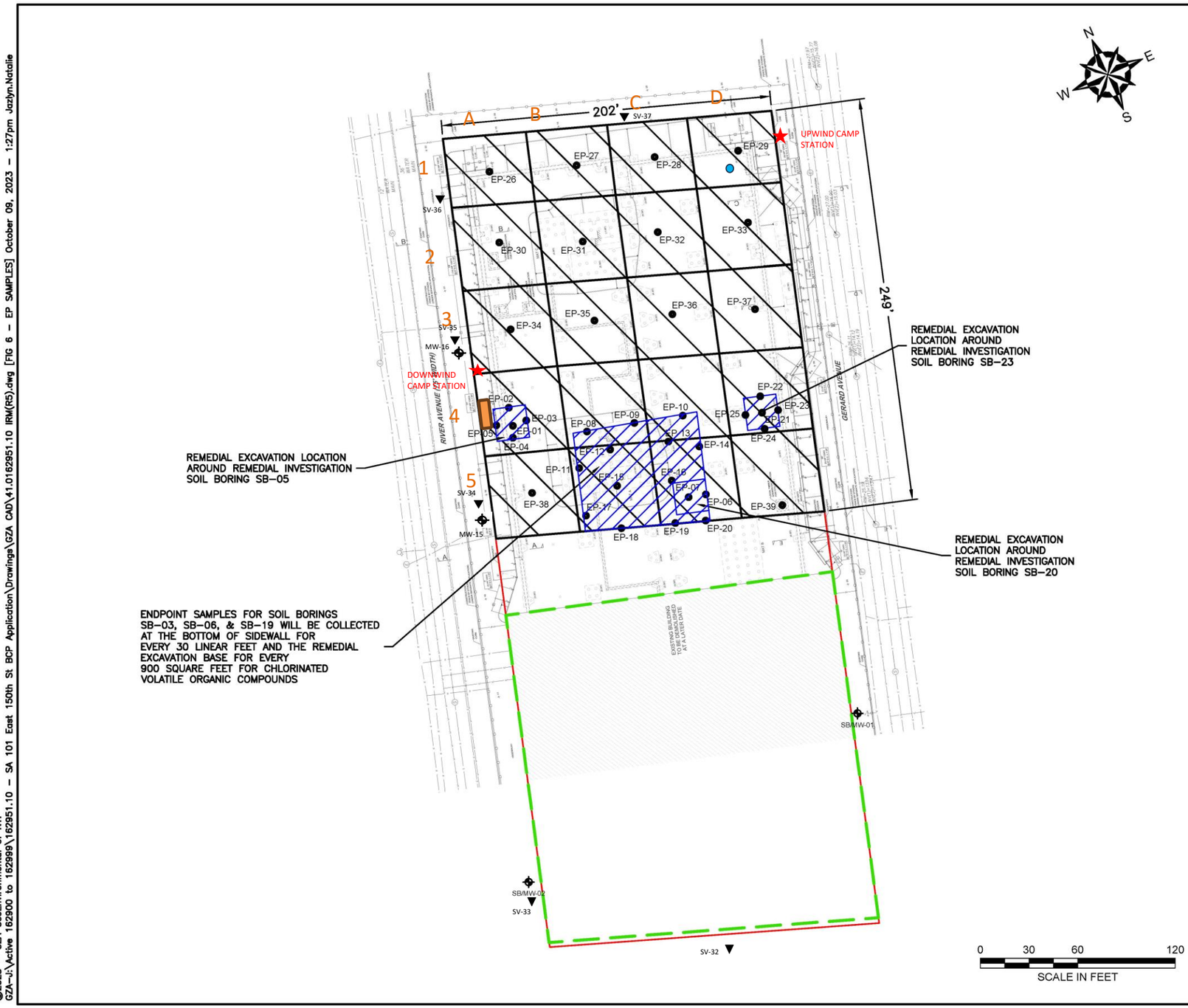
- Dewatering system pumping discharge to sewer under NYCDEP permit.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	8,040.00
Previous	34,978.10
Total	**43,018.10**

GZA DAILY FIELD SUMMARY 53

DATE: 10/5/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- MW-# OFFSITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFFSITE SOIL VAPOR SAMPLE LOCATION

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM SITE PLAN

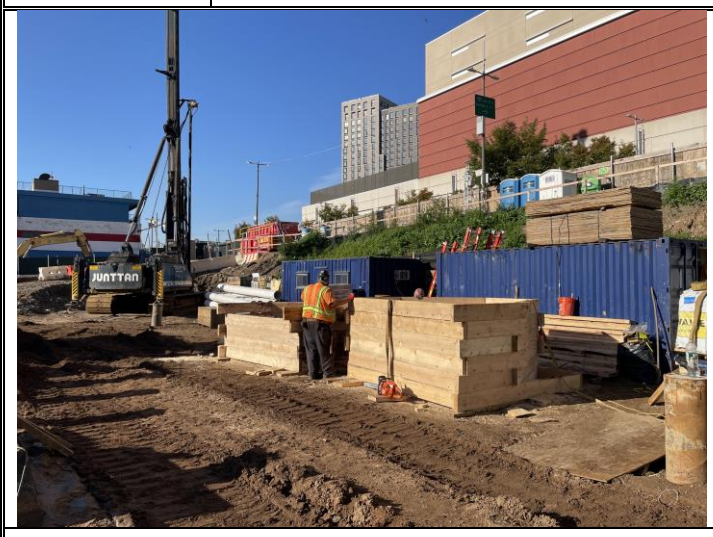
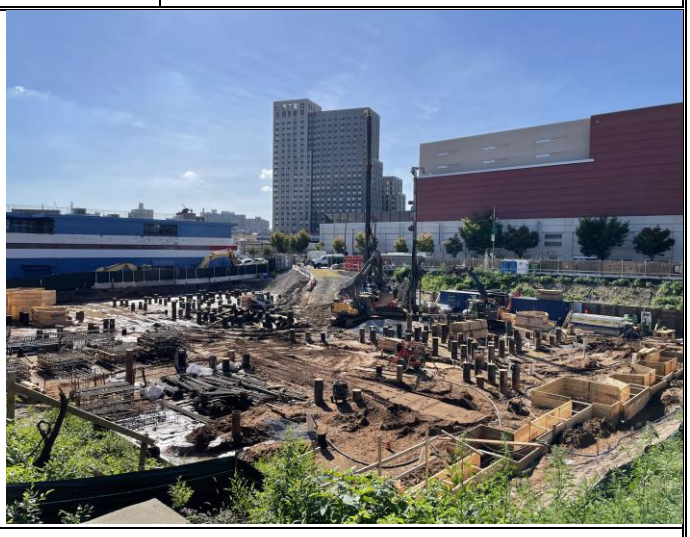
PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 1
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 53

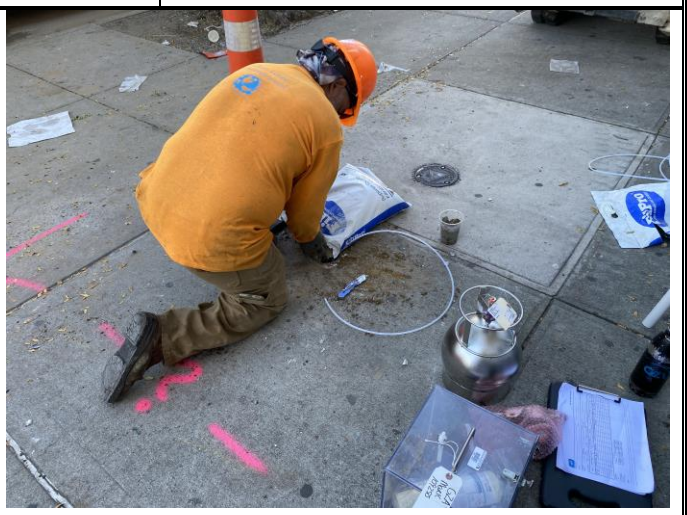
DATE: 10/5/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: North	Photo No. 2	Direction Photo Taken North
Description: Soil Solutions installing dewatering well in Grid D1. J&A assisting with installation.		**Description:** J&A dewatering from newly installed well in Grid B1.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No. 4**	**Direction Photo Taken** Southwest
			
Description: J&A constructing formwork. Stored in Grid D4 when completed.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 53

DATE: 10/5/2023
GZA FILE NO: 41.0163097.00

Photo No. 5	Direction Photo Taken: North	Photo No. 6	Direction Photo Taken Northwest
			
Description: CGE using a direct push Geoprobe 6610DT.		**Description:** CGE installing a soil vapor point (SV-33) on River Avenue directly south of MW-02.	
Photo No. 7	**Direction Photo Taken:** West	**Photo No. 8**	**Direction Photo Taken** Northeast
Description: SV-36 installed on River Avenue sidewalk (typical sampling setup).		**Description:** Installation of MW-16 on River Avenue. Sand being poured down the borehole around well screen.	

GZA DAILY FIELD SUMMARY 53

DATE: 10/5/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 5, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

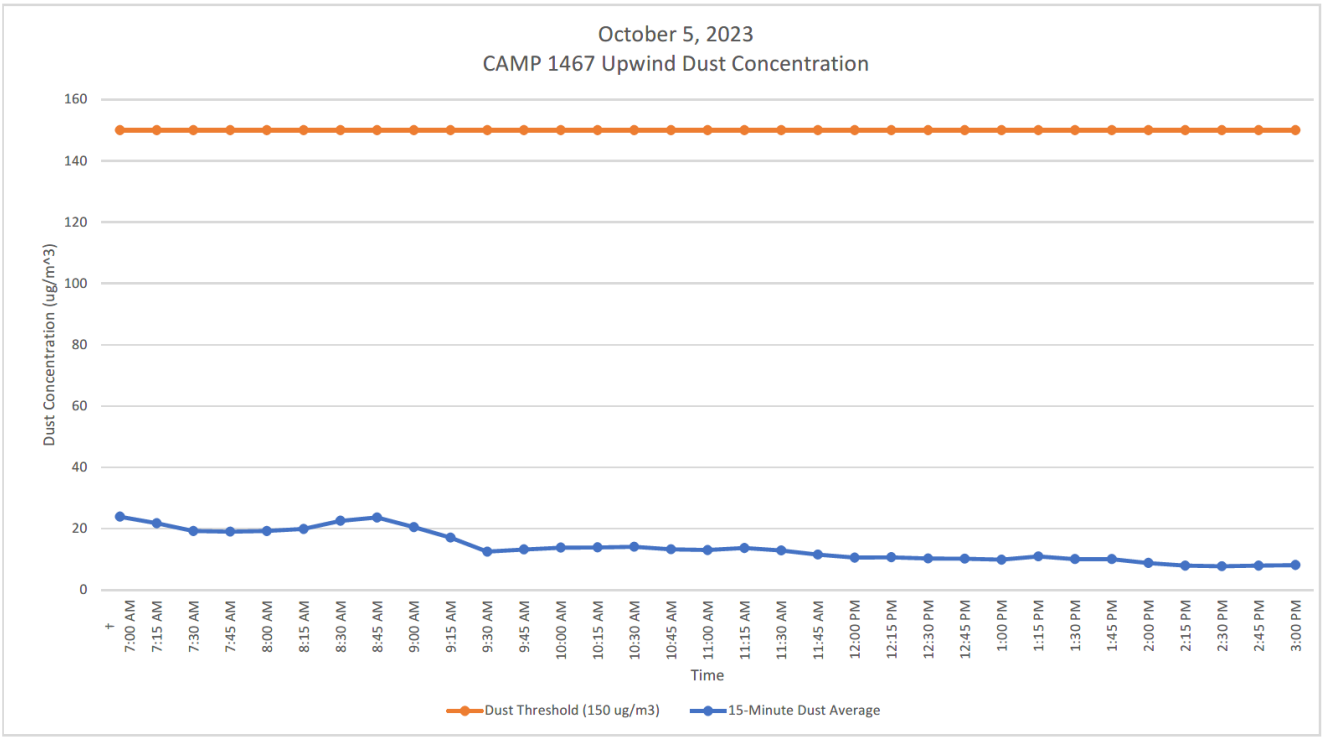
PID 1: 0.0
PID 2: 0.2

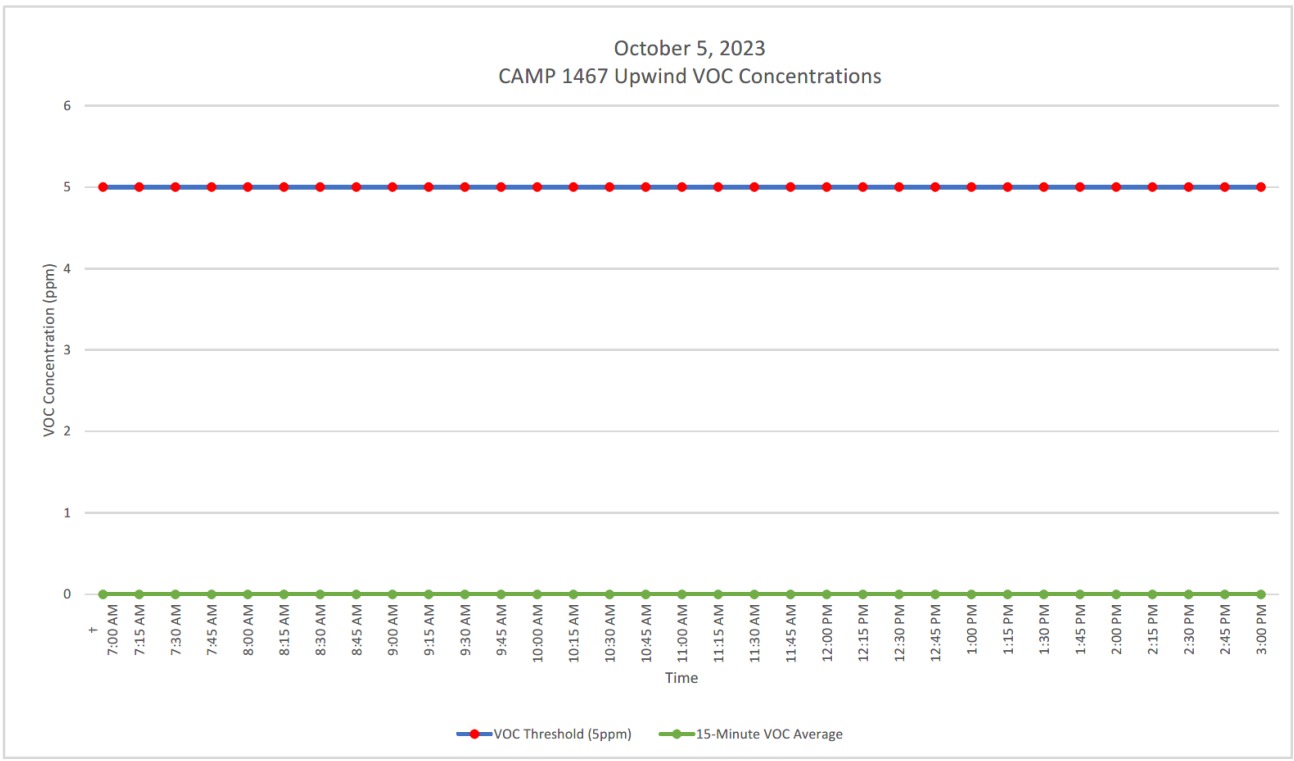
Data Ram 1: 23.94
Data Ram 2: 24.78

GZA DAILY FIELD SUMMARY 53

DATE: 10/5/2023

GZA FILE NO: 41.0163097.00

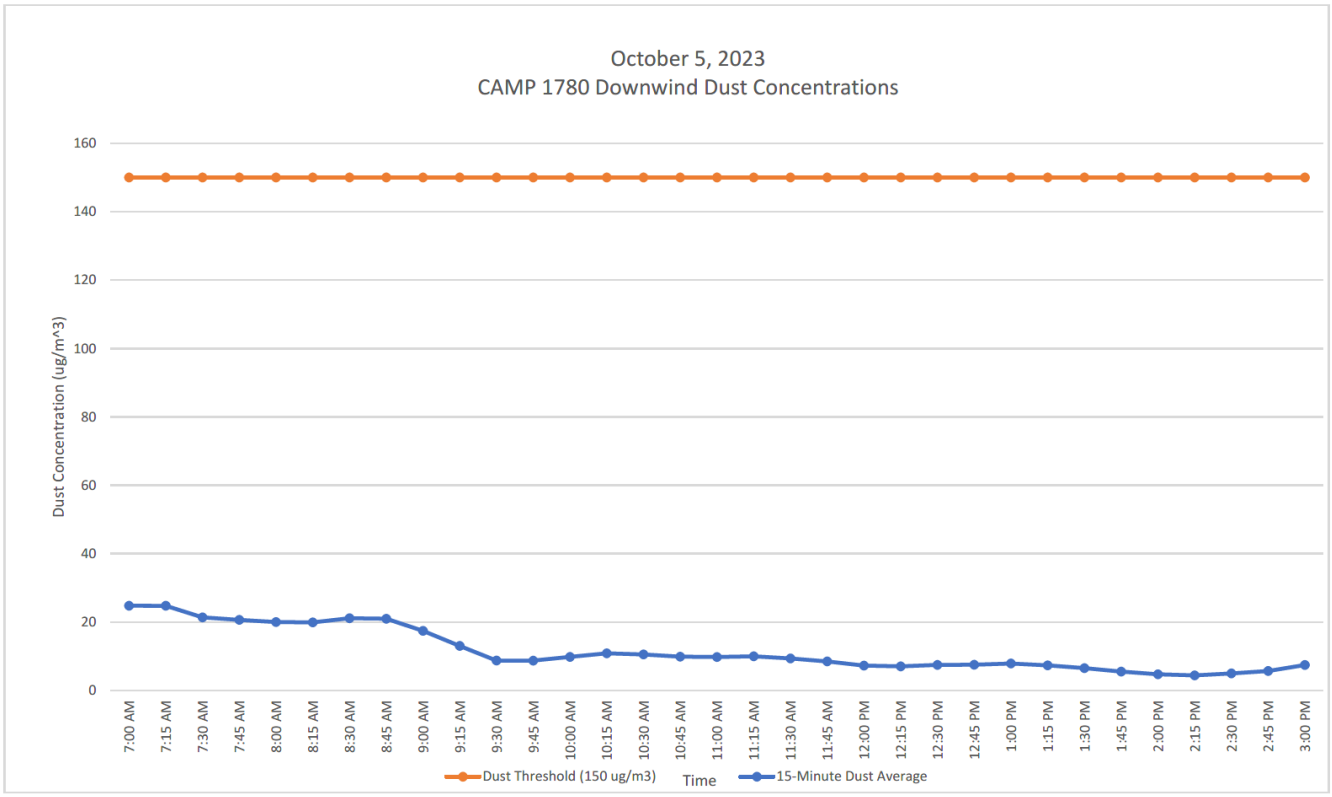


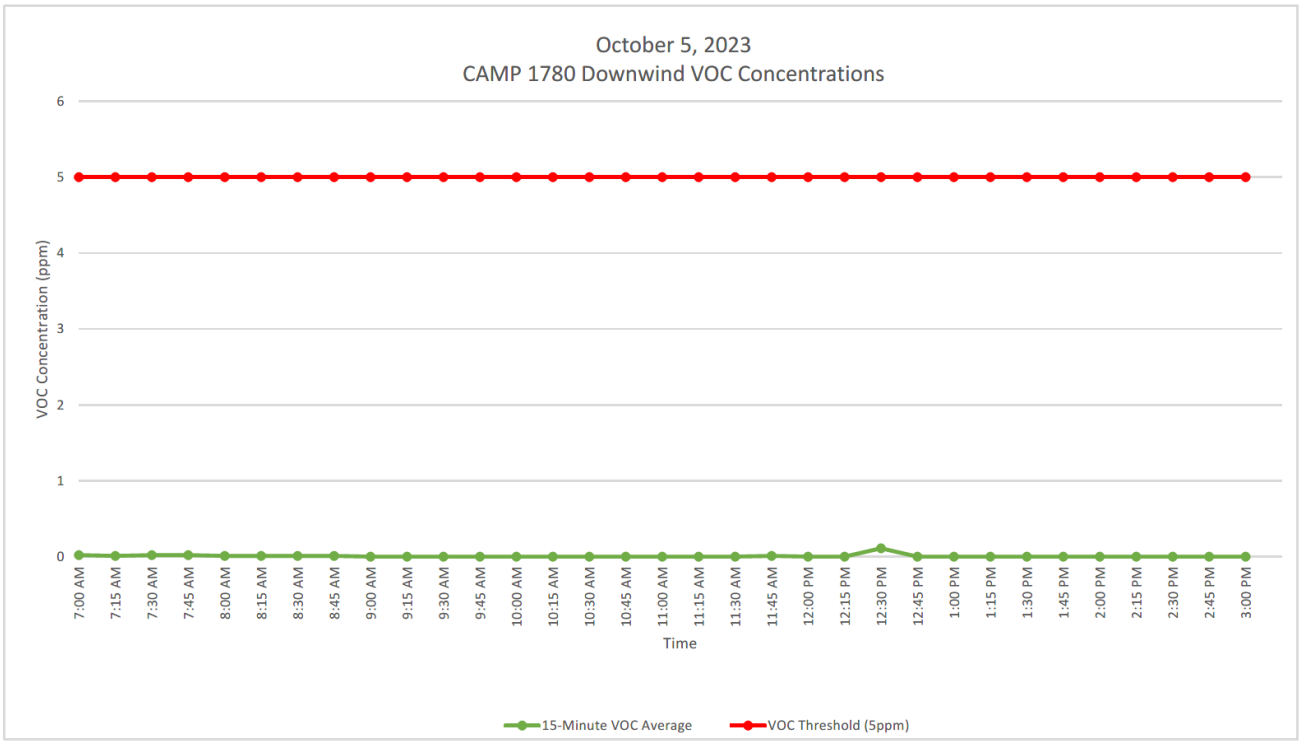


GZA DAILY FIELD SUMMARY 53

DATE: 10/5/2023

GZA FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 53

DATE: 10/5/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 53

DATE: 10/5/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	3	78.56	3	78.56
TOTAL	**3**	**78.56**	**3**	**78.56**

GZA DAILY FIELD SUMMARY 53

DATE: 10/6/2023
GZA FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast / Rain
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	68.49°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	66.03°F
		MAX WIND SPEED	10 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.20 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, October 6, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	Mark Frey
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
	Clean Globe Environmental (CGE)	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 53

DATE: 10/6/2023
GZA FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 10/6/2023

Work Location (Attachment A): Grids A1, B1, B2, C2, C3, D1, D2, D3, and D4.

1. J&A built timber formwork and stored in grid D4.
2. Soil Solutions and J&A installed four new dewatering wells in grids C2, C3, D2 and D3.
3. J&A filled concrete piles in Grids D1, D2 and D3 with concrete.
4. J&A performed dewatering at pile locations in grids A1, B1, B2 and D1. A total of 9,416.00 gallons of groundwater was generated and treated for the day.
5. GZA installed three soil vapor probes (SV-29 through SV-31) to eight feet below sidewalk grade.
6. GZA installed two permanent monitoring wells (MW-13 and MW-14). MW-13 was drilled to a depth of 26 feet below sidewalk grade. MW-14 was drilled to a depth of 26.3 feet below sidewalk grade.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator
- Geoprobe 6610DT track-mounted drill rig

SAMPLES COLLECTED (SINCE LAST REPORT)

- Off-site soil vapor samples SV-29 through SV-31 with a two-hour flow regulator for EPA Method TO-15
- 2-inch monitoring wells MW-13 and MW-14 developed after installation, but no samples collected.

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.02 ppm, Particulates: 23.94 ug/m^3
High Conditions – PID: 0.11 ppm, Particulates: 24.79 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 53

DATE: 10/6/2023
GZA FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

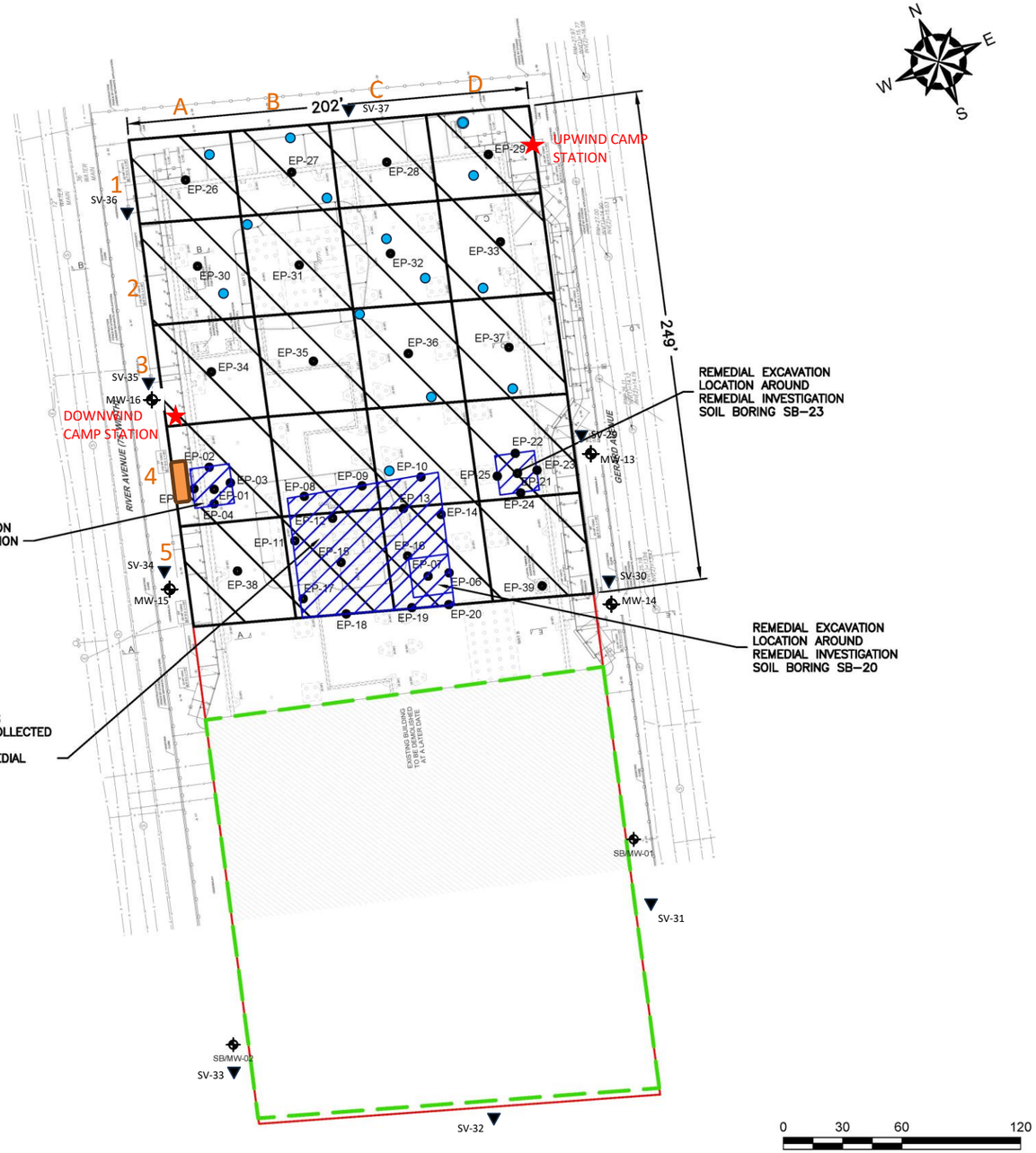
- Dewatering system pumping discharge to sewer under NYCDEP permit. Monitoring well development water added to settling tank, treated, and discharged to the sewer.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	9,416.00
Previous	43,018.10
Total	**52,434.10**

GZA DAILY FIELD SUMMARY 53

DATE: 10/6/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- MW-# OFFSITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM SITE PLAN

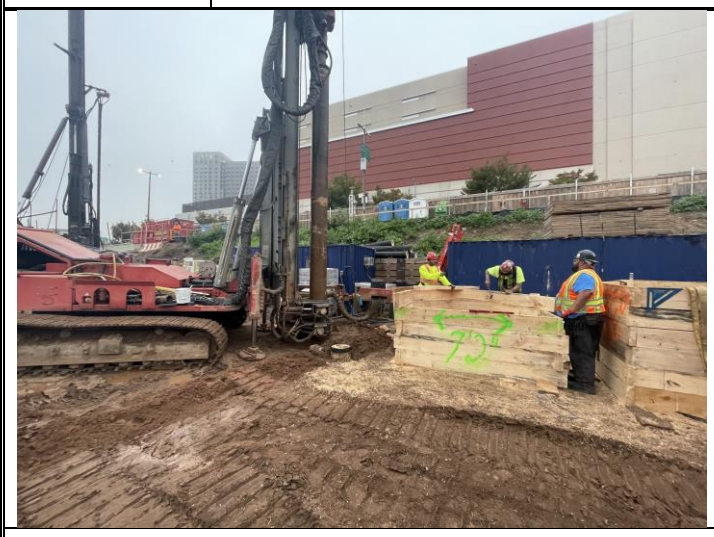
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 1
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 53

DATE: 10/6/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: South	Photo No. 2	Direction Photo Taken South
Description: Soil Solutions installing dewatering well in Grid D3. J&A assisting with installation.		**Description:** J&A filling concrete piles located in Grid D3 with concrete.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No. 4**	**Direction Photo Taken** Southwest
			
Description: J&A constructing formwork. Stored in Grid D4 when completed.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 53

DATE: 10/6/2023
GZA FILE NO: 41.0163097.00

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
5	North	6	Northwest

Description: CGE using a direct push Geoprobe 6610DT drill rig.

Description: CGE installing a soil vapor point (SV-30) on Gerard Avenue.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
7	West	8	Northeast

Description: SV-31 installed on Gerard Avenue sidewalk (typical sampling set-up).

Description: Installation of MW-14 on Gerard Avenue.

GZA DAILY FIELD SUMMARY 53

DATE: 10/6/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 6, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

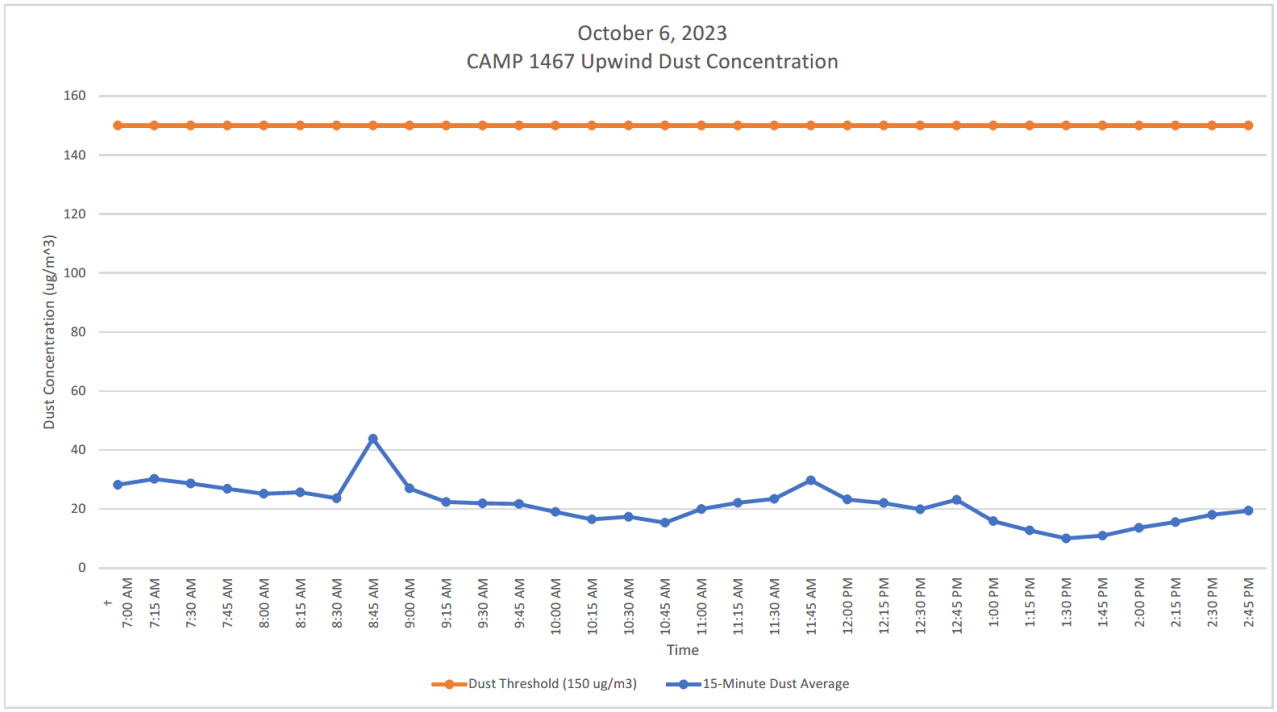
PID 1: 0.0
PID 2: 0.1

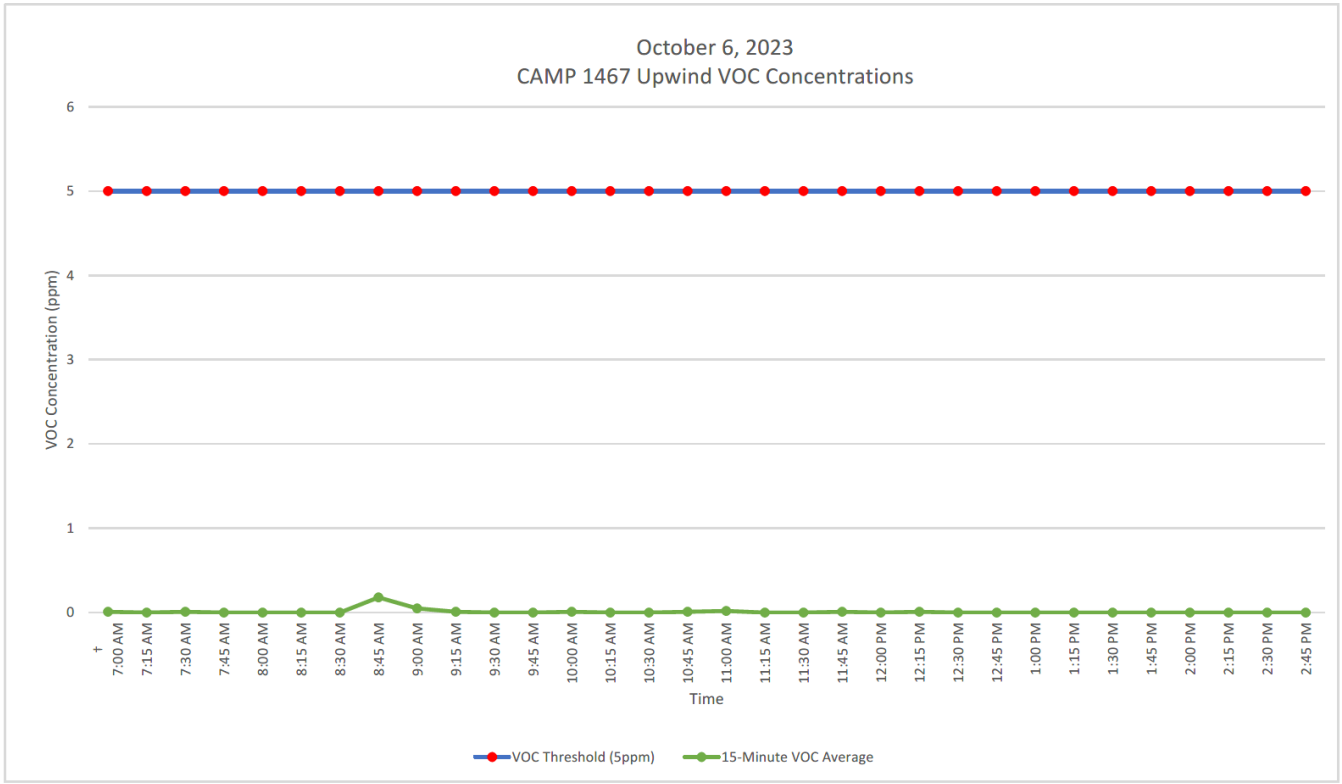
Data Ram 1: 24.39
Data Ram 2: 28.20

GZA DAILY FIELD SUMMARY 53

DATE: 10/6/2023

GZA FILE NO: 41.0163097.00

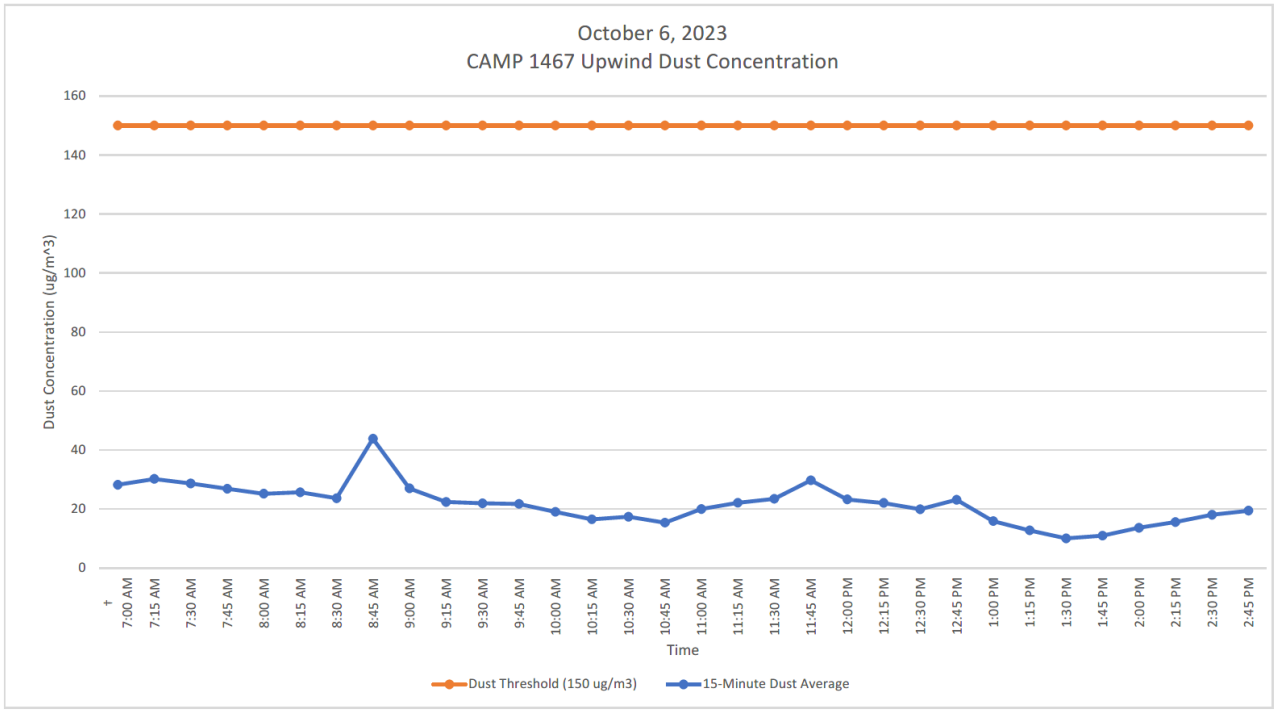


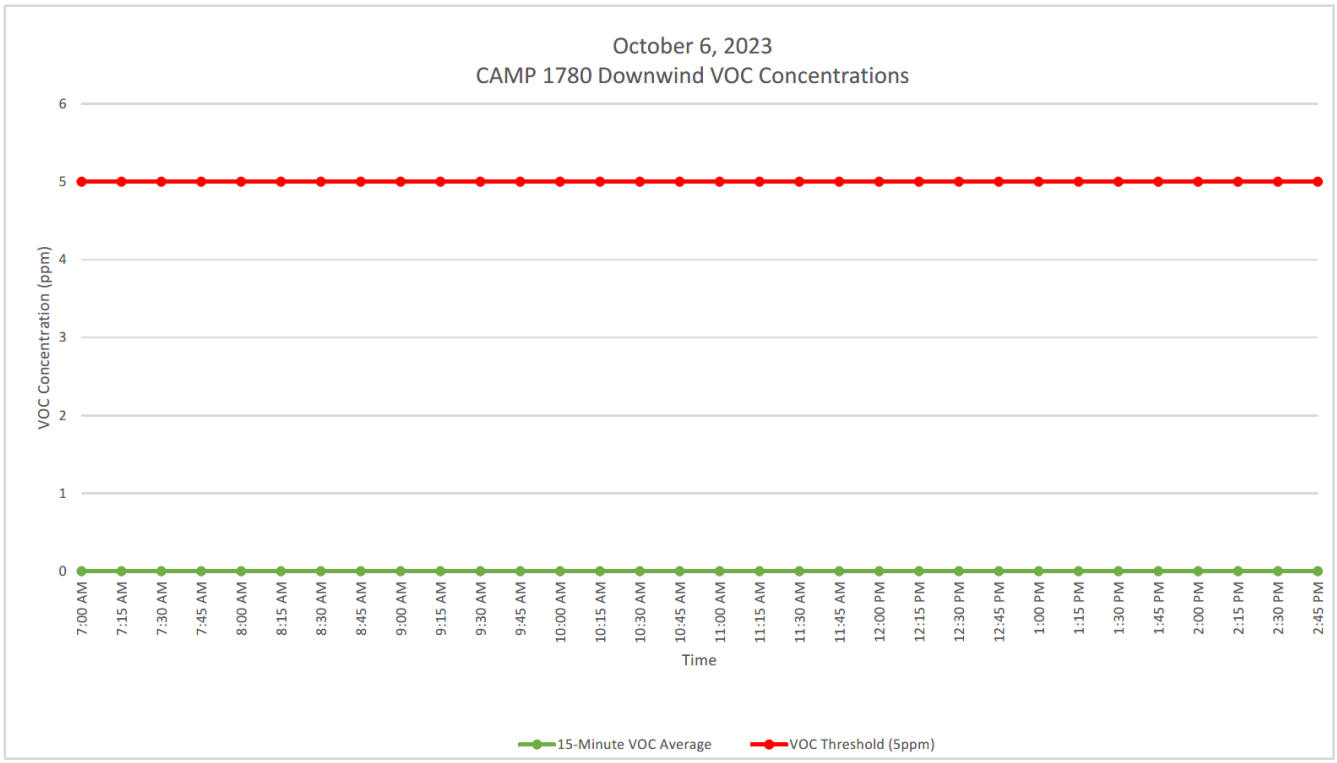


GZA DAILY FIELD SUMMARY 53

DATE: 10/6/2023

GZA FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 53

DATE: 10/6/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTALS	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 53

DATE: 10/6/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	3	78.56	3	78.56
TOTAL	**3**	**78.56**	**3**	**78.56**

GZA DAILY FIELD SUMMARY 55

DATE: 10/9/2023
GZA FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	54.29°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	36.36°F
		MAX WIND SPEED	15 mph from WSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, October 9, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 55

DATE: 10/9/2023
GZA FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 10/9/2023

Work Location (Attachment A): N/A

1. No work was performed in observance of Columbus Day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- N/A

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – N/A
High Conditions – N/A

Air monitoring was not implemented as no work was performed for the day.

$\mu g/mg^3$ = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 55

DATE: 10/9/2023
GZA FILE NO: 41.0163097.00

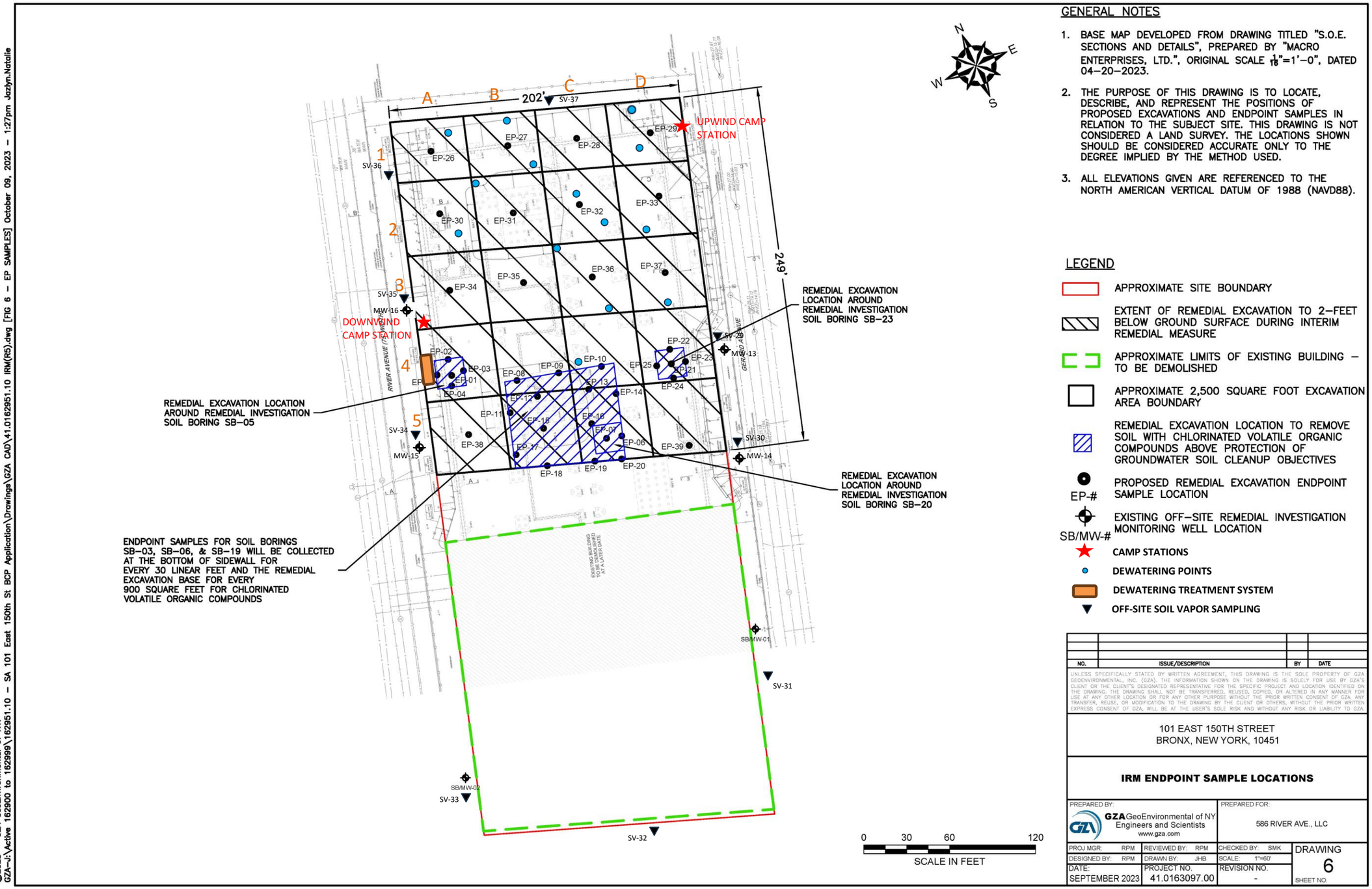
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	0
Previous	52,434.10
Total	**52,434.10**

GZA DAILY FIELD SUMMARY 55

DATE: 10/9/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 55

DATE: 10/9/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. **1**	**Direction Photo Taken:** -	**Photo No.** **2**	**Direction Photo Taken** -
N/A		**N/A**	
Description: No work was performed in observance of Columbus Day.		**Description:** No work was performed observance of Columbus Day.	

GZA DAILY FIELD SUMMARY 55

DATE: 10/9/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

N/A

GZA DAILY FIELD SUMMARY 55

DATE: 10/9/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 55

DATE: 10/9/2023
GZA FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons
Today	0	0	0	0
Previous	3	78.56	3	78.56
Total	**3**	**78.56**	**3**	**78.56**

GZA DAILY FIELD SUMMARY 56

DATE: 10/10/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	58.81°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	45.19°F
		MAX WIND SPEED	12 mph from SW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.01 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, October 10, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
SITE VISITORS:	**DeMatteis Organization**	
	Drew Langer	

GZA DAILY FIELD SUMMARY 56

DATE: 10/10/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 10/10/2023

Work Location (Attachment A): Grids A1, A3, B1, B2, B3, B5, C1, C5, D1, D4, and D5.

1. Soil Solutions and J&A installed five new dewatering wells in grids A3, B5, C5, and D5.
2. J&A performed dewatering in grids A1, B1, B2 and D1. A total of 14,050.00 gallons of groundwater was generated and treated for the day.
3. Two truckloads of gas permeable aggregates from Tilcon New York, Inc. were delivered by Shamrock Materials, LLC and stockpiled in grid B3.
4. J&A spread gas permeable aggregates within the formwork in grids B1 and C1.
5. J&A built timber formwork and stored in grid C4.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.01 ppm, Particulates: 12.13 ug/m^3
High Conditions – PID: 2.76 ppm, Particulates: 11.59 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Two truckloads of gas permeable aggregates from Tilcon New York, Inc. were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 56

DATE: 10/10/2023
FILE NO: 41.0163097.00

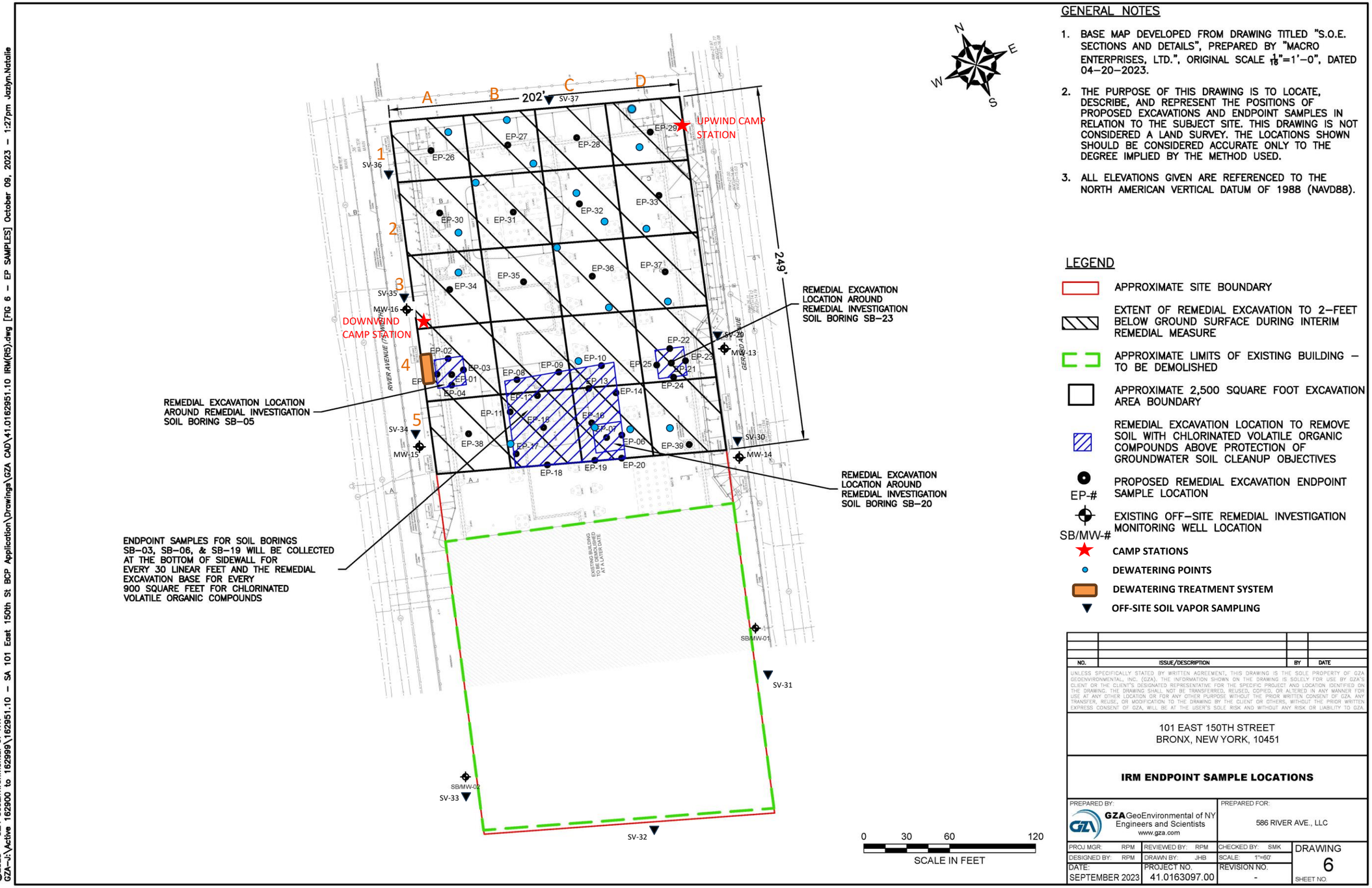
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	14,050.00
Previous	52,434.10
Total	**66,484.10**

GZA DAILY FIELD SUMMARY 56

DATE: 10/10/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

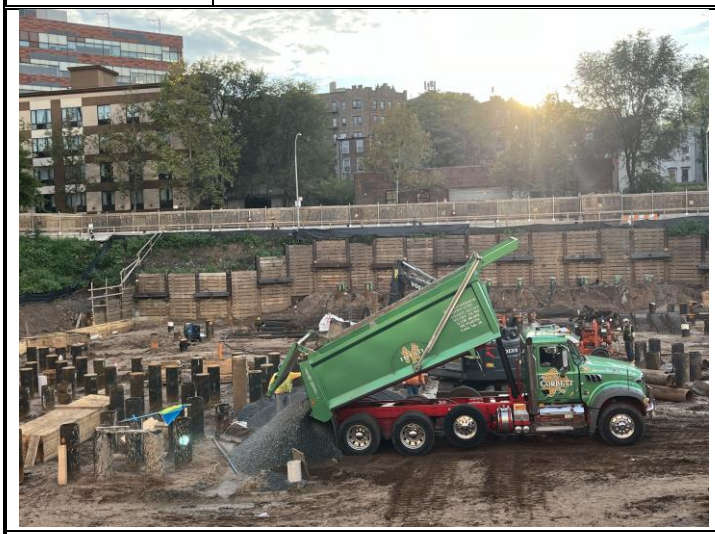
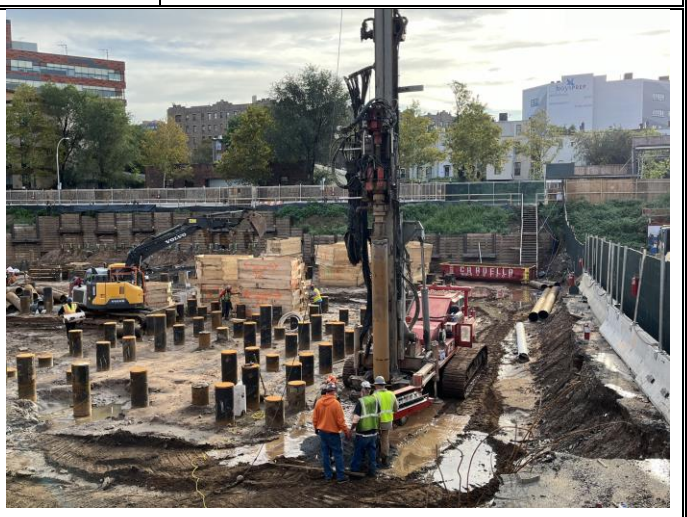
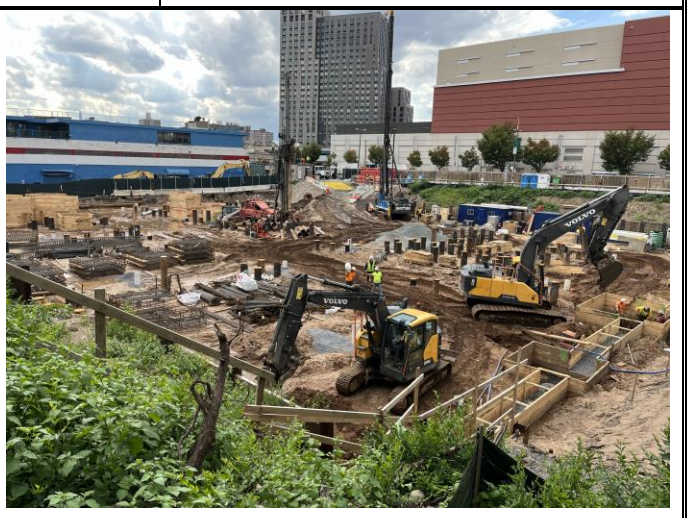
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 56

DATE: 10/10/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** East
			
Description: Delivery of gas permeable aggregates from Tilcon in grid B-3.		**Description:** Soil Solutions installing dewatering well in Grid B5. J&A assisting with installation.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No.** 4	**Direction Photo Taken** Southwest
			
Description: J&A spreading gas permeable aggregates within the formwork in grids B1 and C1.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 56

DATE: 10/10/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 10, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

Background Readings:

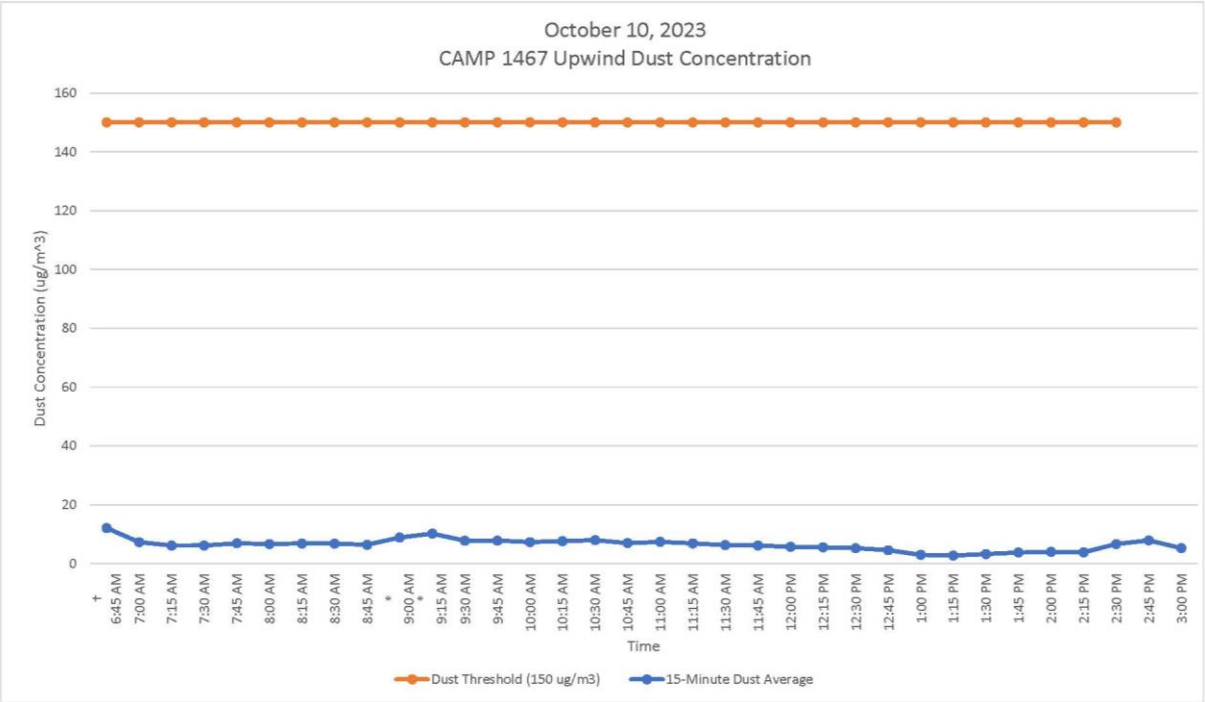
PID 1: 0.0
PID 2: 0.0

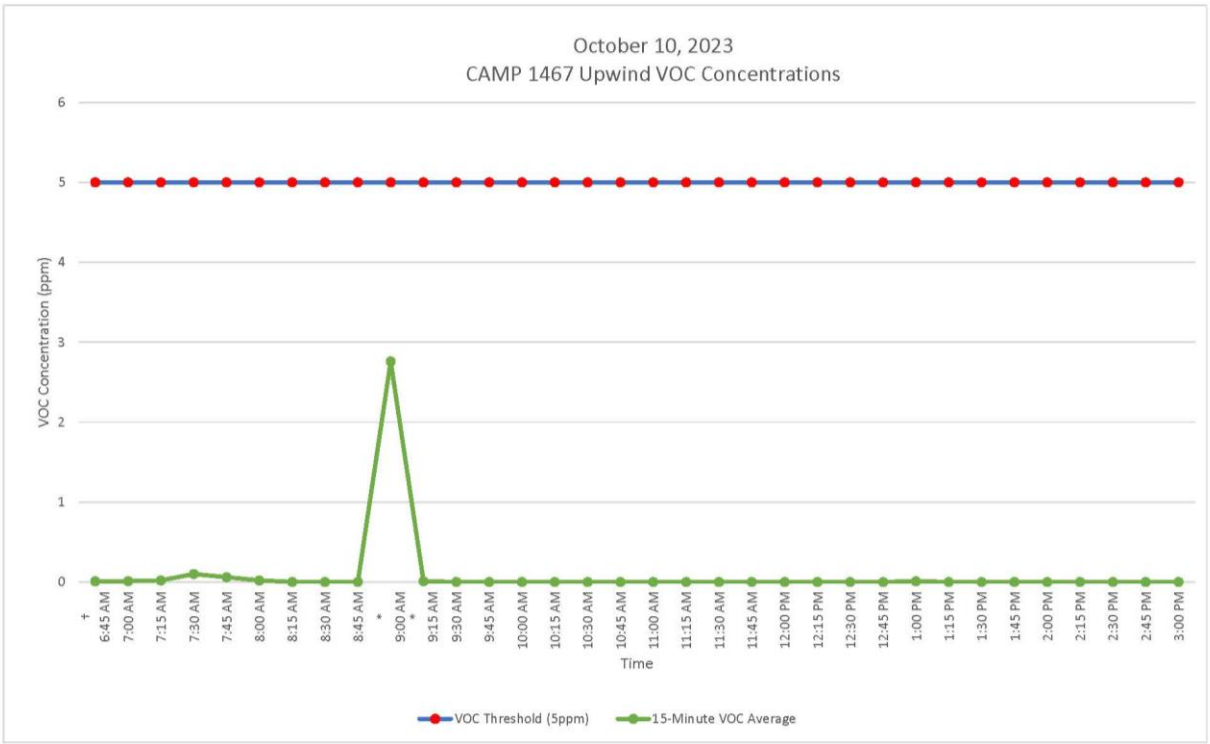
Data Ram 1: 12.13
Data Ram 2: 8.28

GZA DAILY FIELD SUMMARY 56

DATE: 10/10/2023

FILE NO: 41.0163097.00

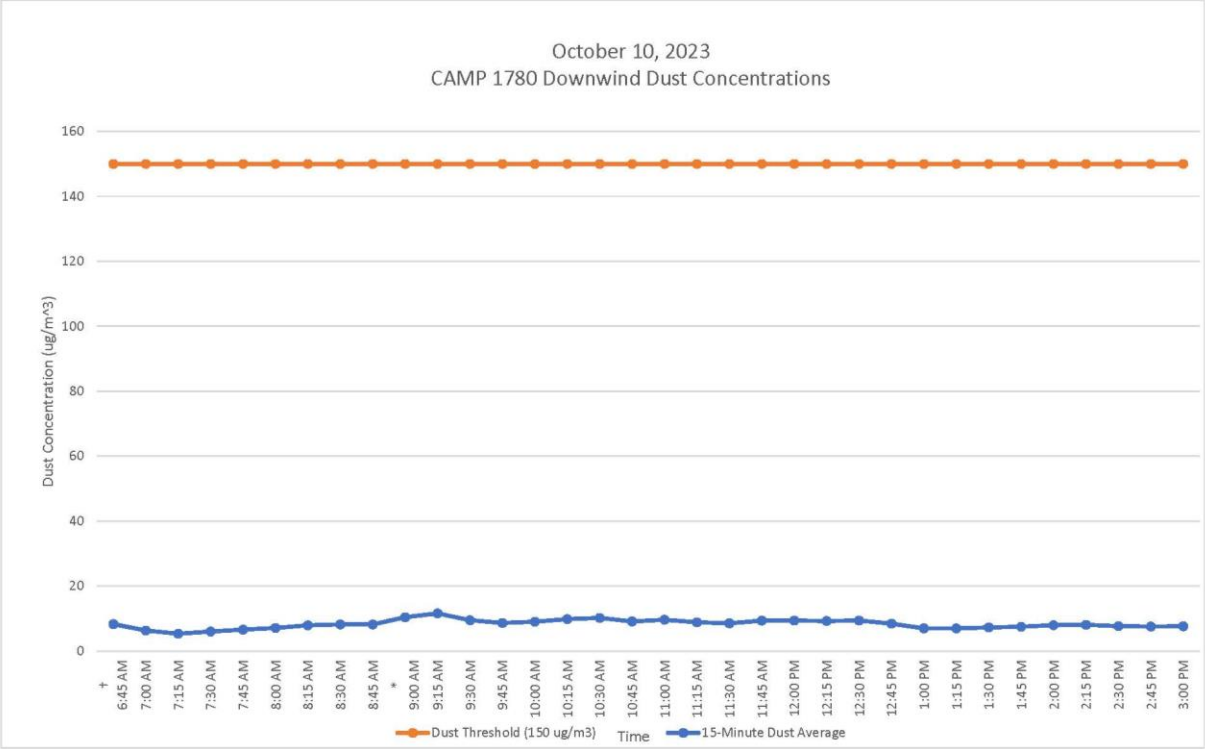


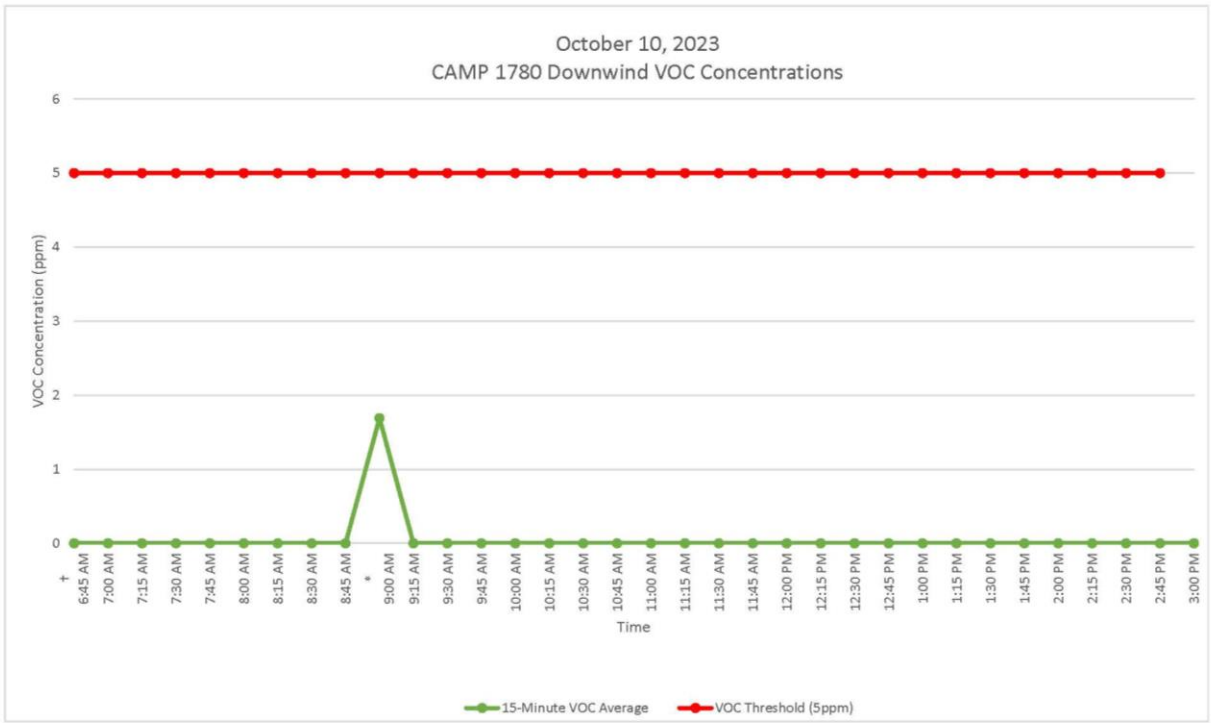


GZA DAILY FIELD SUMMARY 56

DATE: 10/10/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 56

DATE: 10/10/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
Total	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 56

DATE: 10/10/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	2	51.55	0	0
Previous	3	78.56	0	0	3	78.56
Total	**3**	**78.56**	**2**	**51.55**	**5**	**130.11**

GZA DAILY FIELD SUMMARY 57

DATE: 10/11/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	63.54°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	47.29°F
		MAX WIND SPEED	12 mph from SW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, October 11, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
	Crown Waterproofing	
SITE VISITORS:	**GZA**	
	Stephen Kline, P.E. (Remedial Engineer)	
	DeMatteis Organization	
	Drew Langer	
	DBI Projects	
	Ricky Gautier	
	SOM	
	Sabrina Shen	

GZA DAILY FIELD SUMMARY 57

DATE: 10/11/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 10/11/2023

Work Location (Attachment A): Grids A1, B1, B2, C1, and D1.

1. PREPRUFE 300R Plus Waterproofing Membrane and associated products delivered to Site and stored on a wooden pallet north of grid B1.
2. J&A spread gas permeable aggregate within the formwork in grids A1 and D1 for stable subgrade for waterproofing/vapor barrier membrane.
3. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in pile caps and grade beams in grids A1, B1, C1, and D1. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps. Stephen Kline, P.E. was onsite to observe and document the vapor barrier installation.
4. J&A installed rebar and poured concrete in pile caps and grade beams in grids A1, B1, C1, and D1.
5. J&A performed dewatering in grids A1, B1, B2 and D1. A total of 26,216.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.01 ppm, Particulates: 12.92 ug/m^3
High Conditions – PID: 0.06 ppm, Particulates: 14.11 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 57

DATE: 10/11/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

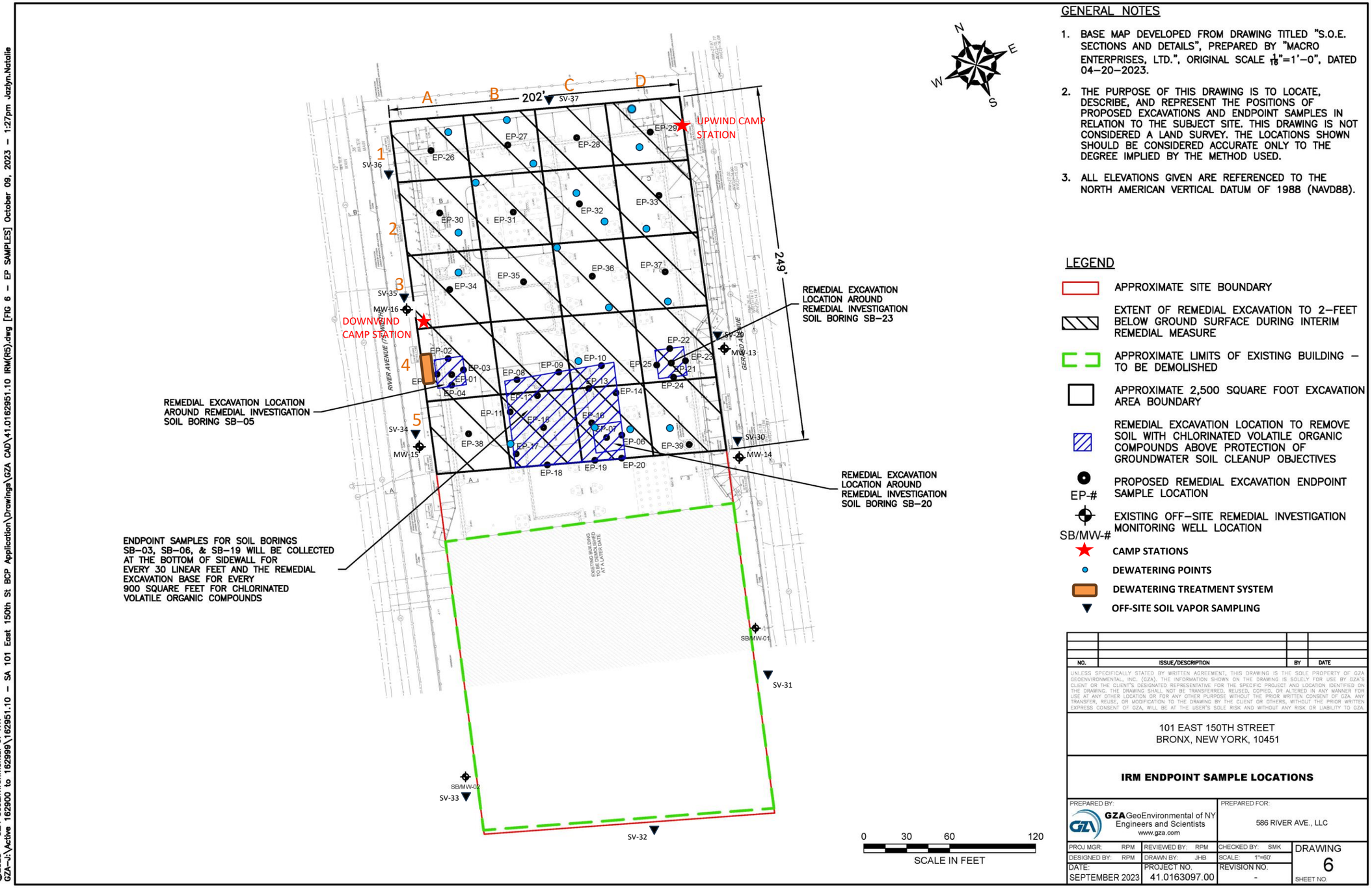
- Dewatering system pumping discharge to sewer under NYCDEP permit.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	26,216.00
Previous	66,484.10
Total	**92,700.10**

GZA DAILY FIELD SUMMARY 57

DATE: 10/11/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

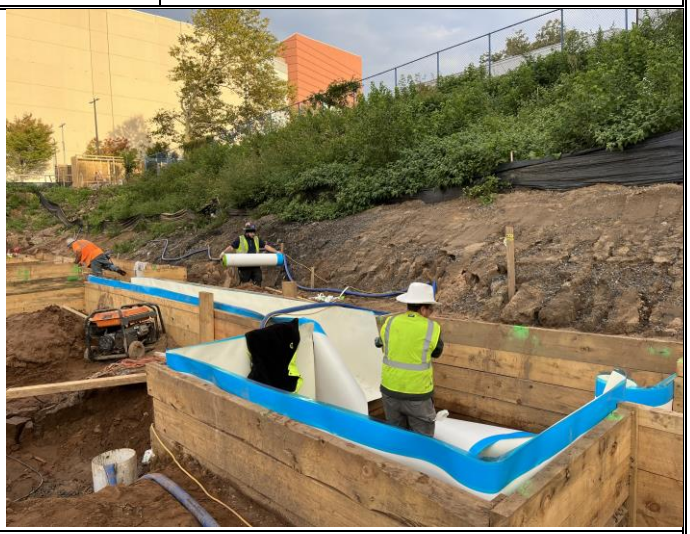
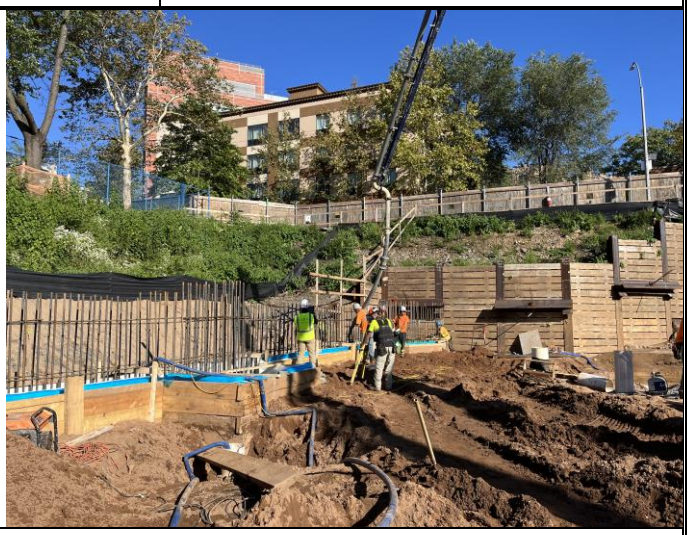
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 57

DATE: 10/11/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northwest
			
Description: PREPRUFE 300R Plus Waterproofing Membrane stored on a wooden pallet north of grid B1.		**Description:** Crown installing PREPRUFE 300R Plus waterproofing/vapor barrier membrane in grid C1.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No.** 4	**Direction Photo Taken** Northeast
			
Description: Crown sealing waterproofing/vapor barrier membrane penetrations around piles to prevent gaps.		**Description:** J&A pouring concrete in grid D1.	

GZA DAILY FIELD SUMMARY 57

DATE: 10/11/2023
FILE NO: 41.0163097.00

Photo No. **5**	**Direction Photo Taken:** East	**Photo No.** **6**	**Direction Photo Taken** East
Description: J&A installing rebar over vapor barrier.		**Description:** Overview of the northern portion of the Site during the day. Concrete placement at pile caps and grade beams.	

GZA DAILY FIELD SUMMARY 57

DATE: 10/11/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 11, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:
1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

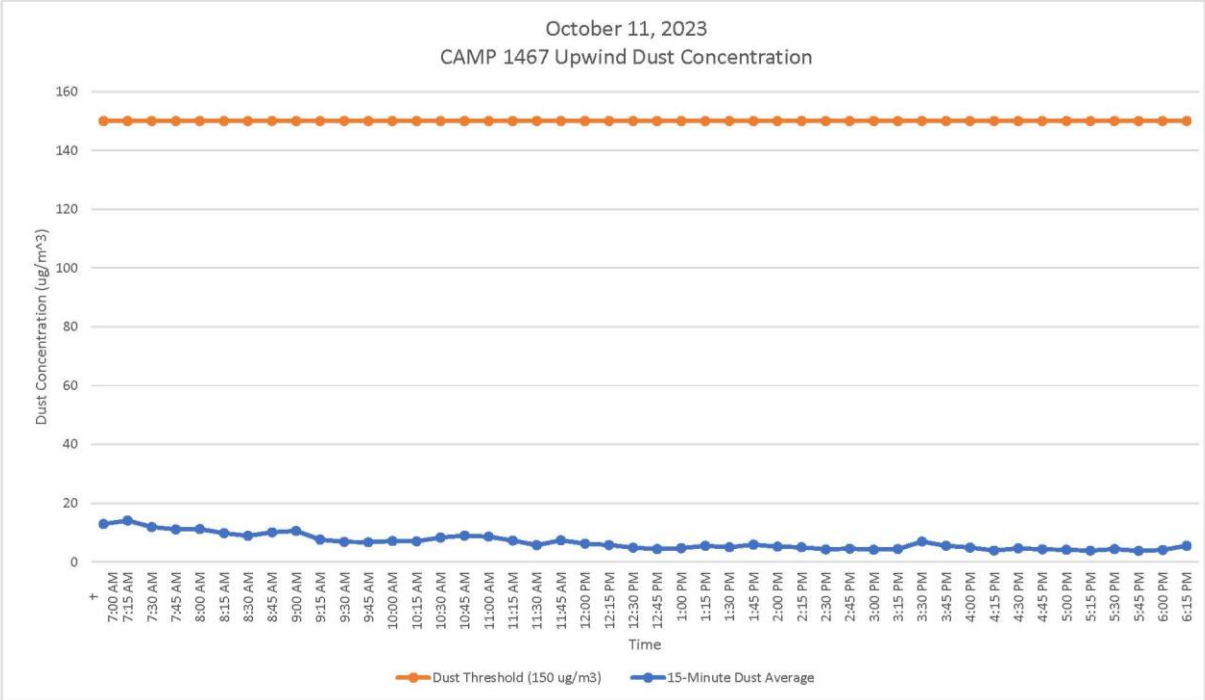
PID 1: 0.0
PID 2: 0.0

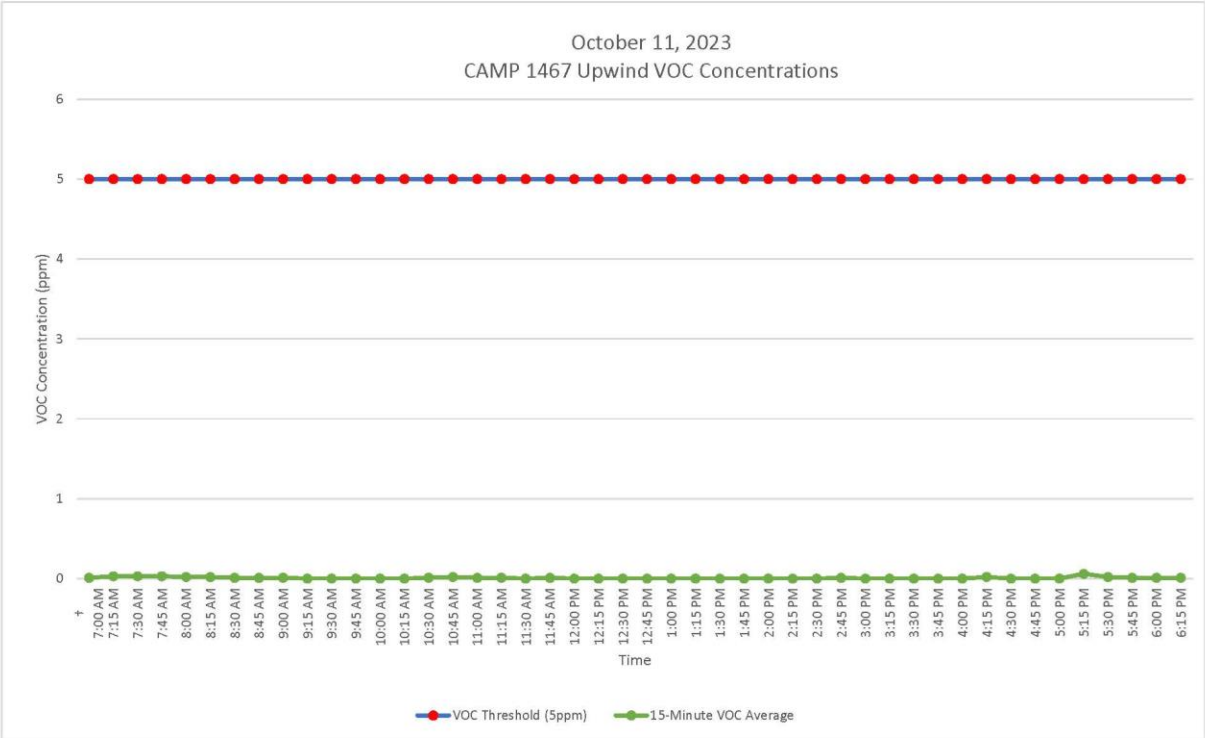
Data Ram 1: 12.92
Data Ram 2: 11.70

GZA DAILY FIELD SUMMARY 57

DATE: 10/11/2023

FILE NO: 41.0163097.00

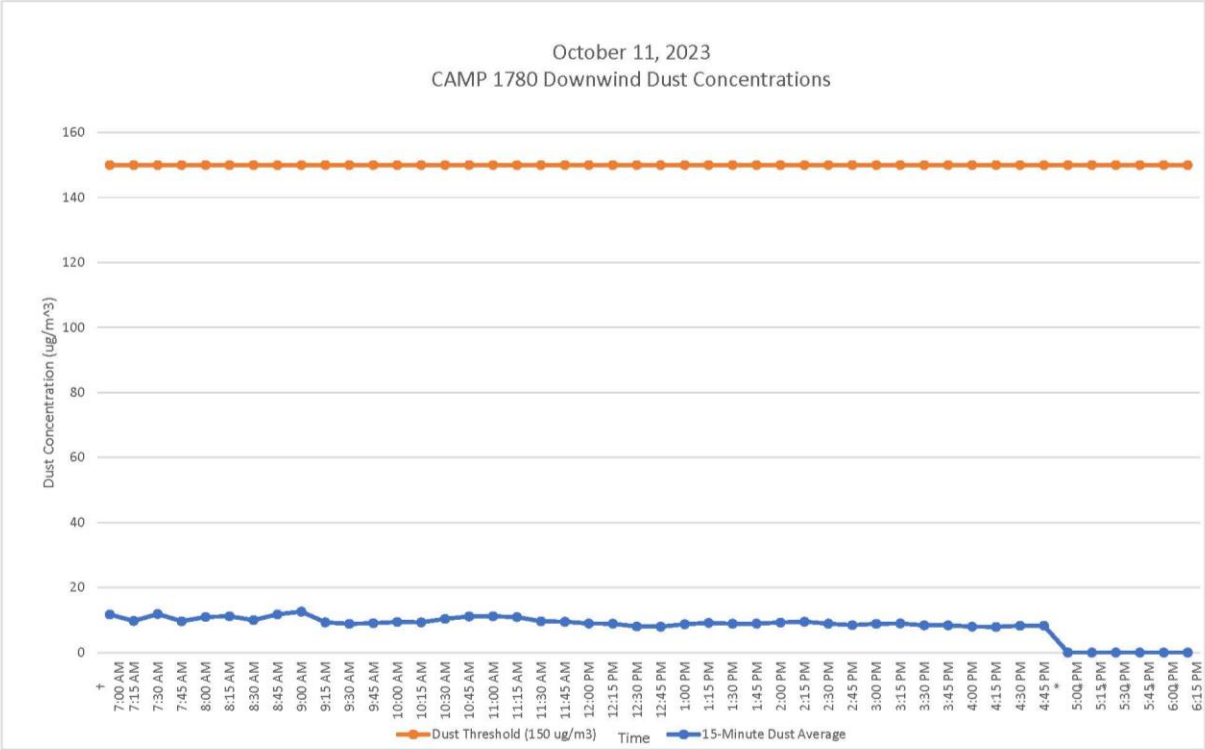


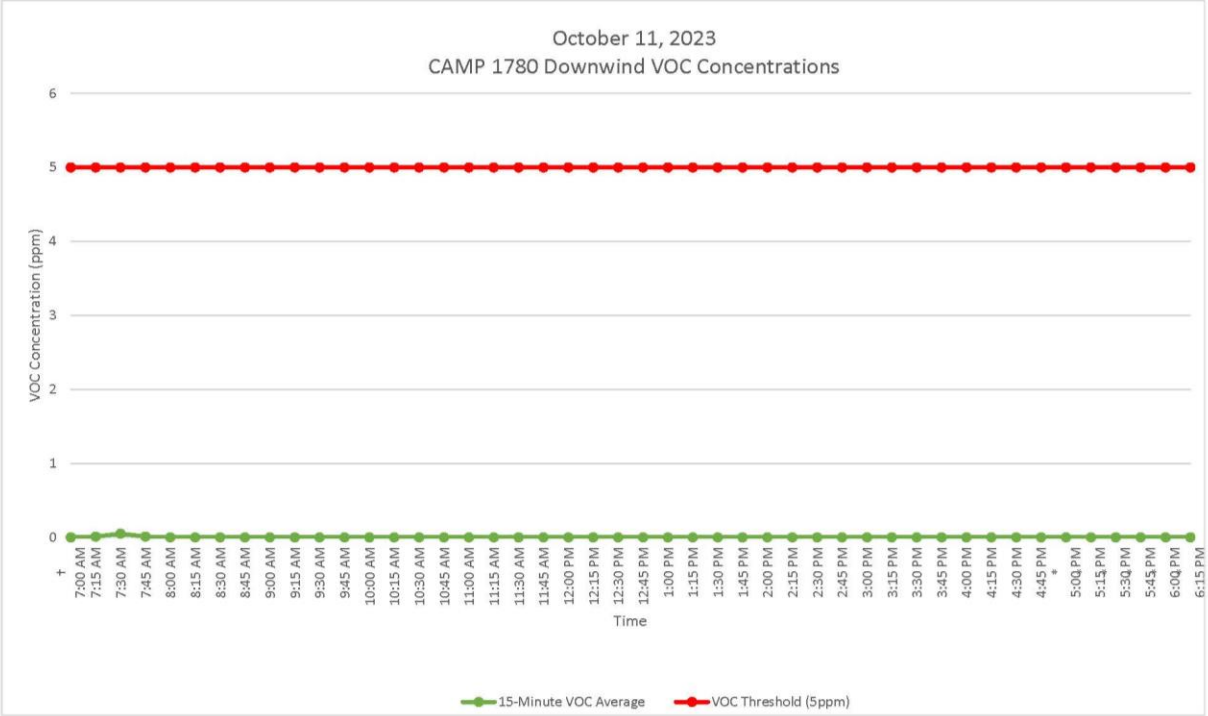


GZA DAILY FIELD SUMMARY 57

DATE: 10/11/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 57

DATE: 10/11/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 57

DATE: 10/11/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	2	51.55	0	0
Previous	3	78.56	0	0	3	78.56
Total	**3**	**78.56**	**2**	**51.55**	**5**	**130.11**

GZA DAILY FIELD SUMMARY 58

DATE: 10/12/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	63.48°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	47.72°F
		MAX WIND SPEED	10 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, October 12, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 58

DATE: 10/12/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 10/12/2023

Work Location (Attachment A): Grids A1, B1, B2, C1, C4, D1, D2, and D3.

1. J&A performed dewatering in grids A1, B1, B2, C1 and D1. A total of 14,050.00 gallons of groundwater was generated and treated for the day.
2. J&A excavated in Grids D1, D2 and D3 for installation of formwork for pile caps. J&A then placed formwork in each grid and spread gas permeable aggregates within the formwork for stable subgrade for waterproofing/vapor barrier membrane.
3. J&A built timber formwork and stored in grid C4.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.04 ppm, Particulates: 19.34 ug/m^3
High Conditions – PID: 0.04 ppm, Particulates: 20.28 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 58

DATE: 10/12/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

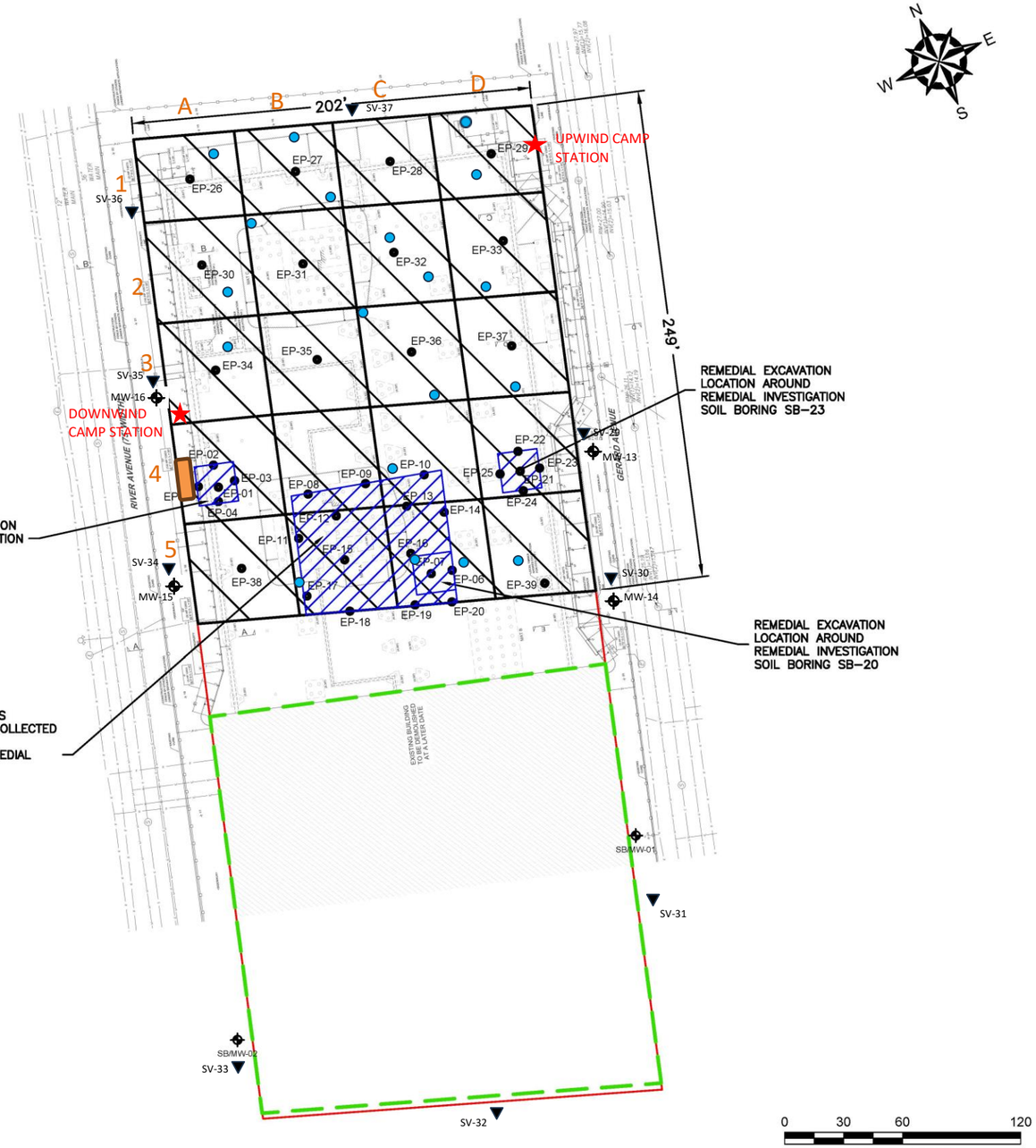
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	13,775.00
Previous	**66,484.10**
Total	**80,259.10**

GZA DAILY FIELD SUMMARY 58

DATE: 10/12/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

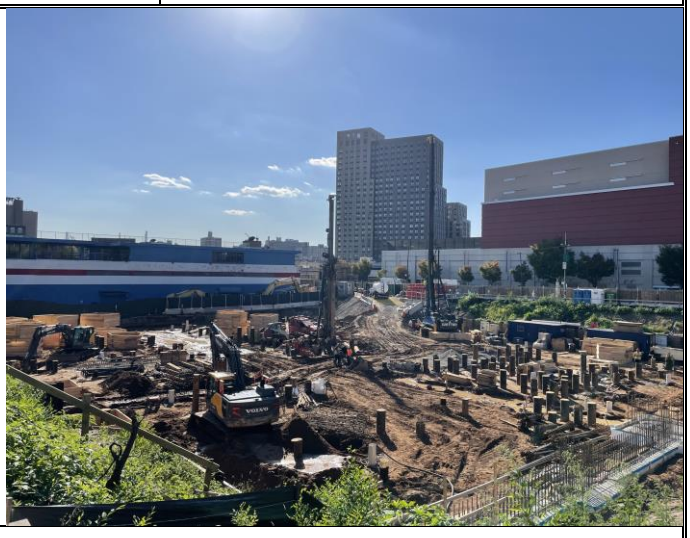
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 58

DATE: 10/12/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** East
Description: J&A placing framework for pile caps in Grid D1.		**Description:** J&A dewatering from well in Grid D1.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** Southwest
			
Description: J&A excavating for formwork installation in grid D3.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 58

DATE: 10/12/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 12, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

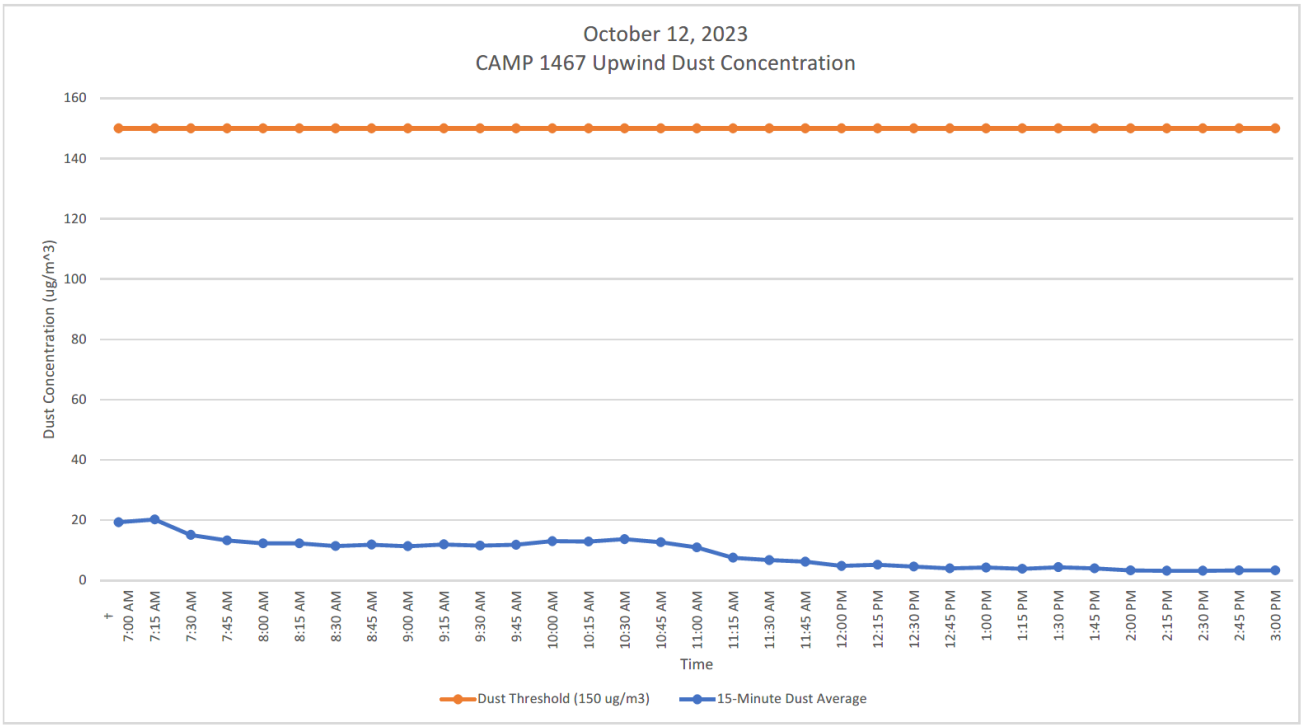
PID 1: 0.4
PID 2: 0.0

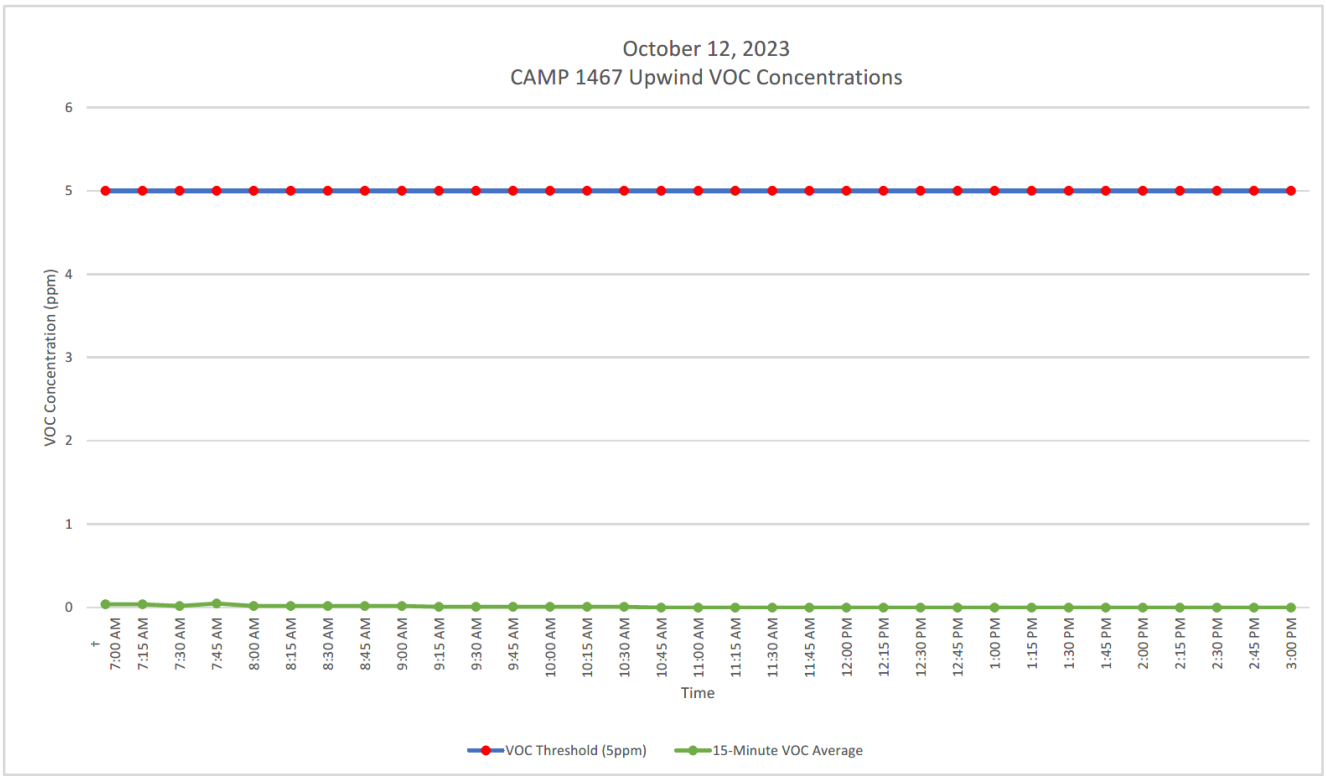
Data Ram 1: 19.34
Data Ram 2: 19.05

GZA DAILY FIELD SUMMARY 58

DATE: 10/12/2023

FILE NO: 41.0163097.00

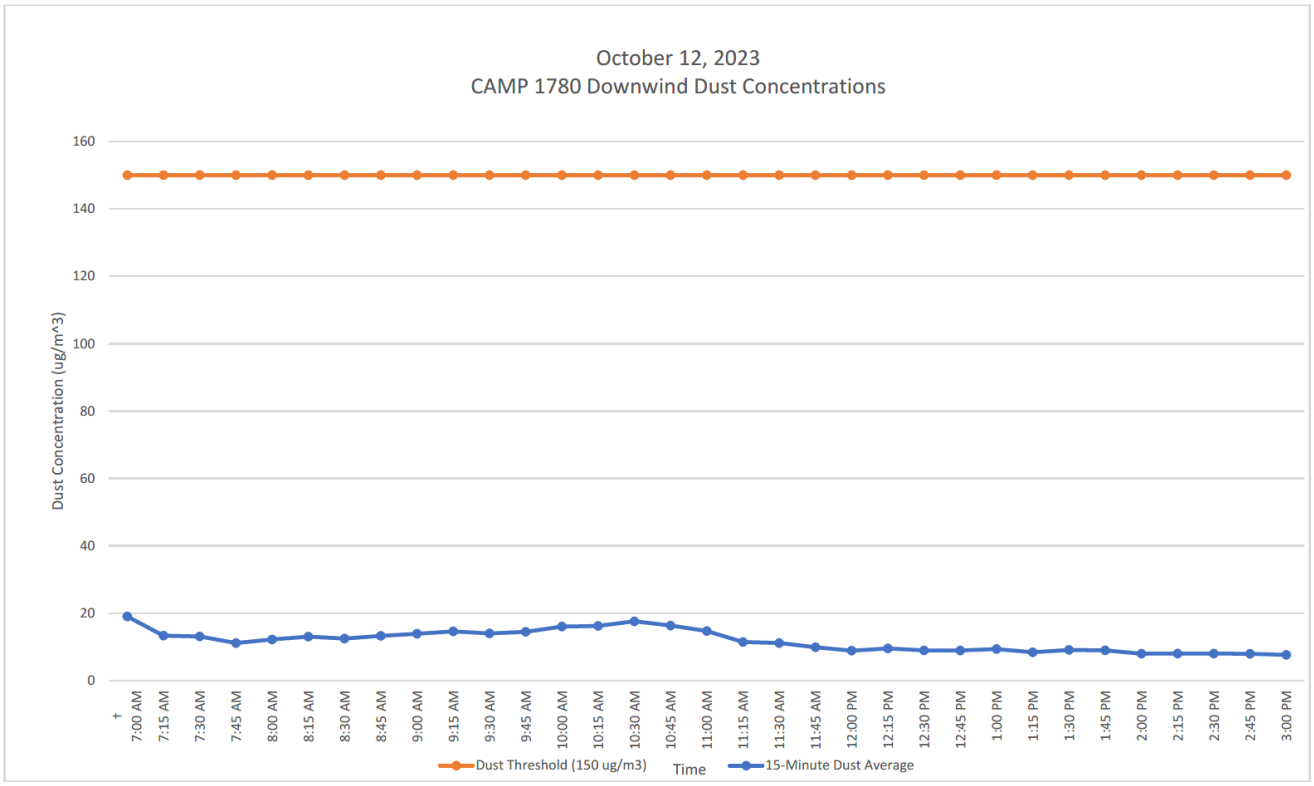


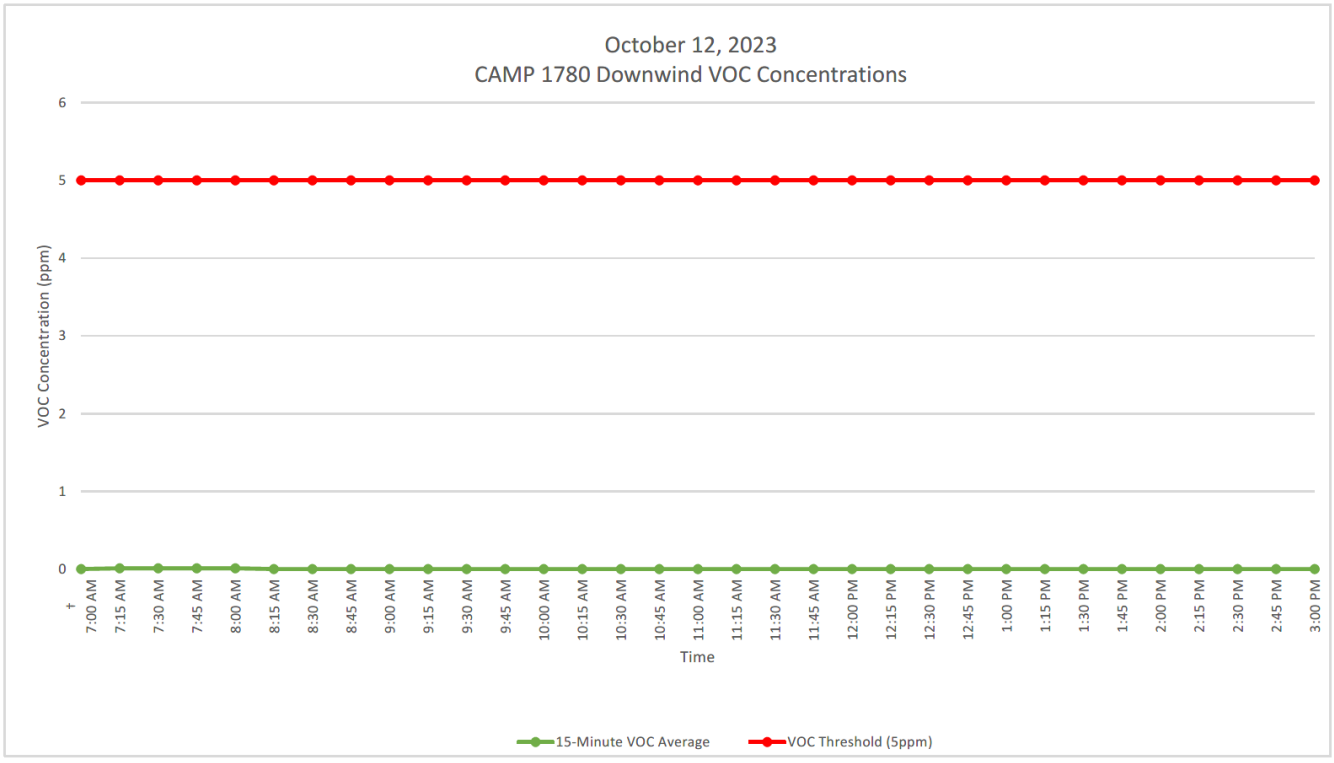


GZA DAILY FIELD SUMMARY 58

DATE: 10/12/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 58

DATE: 10/12/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 58

DATE: 10/12/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	0	0	0	0	0	0
TOTAL	**3**	**78.56**	**2**	**51.55**	**5**	**130.11**

GZA DAILY FIELD SUMMARY 59

DATE: 10/13/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	59.25°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	40.92°F
		MAX WIND SPEED	13 mph from NNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, October 13, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 59

DATE: 10/13/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 10/13/2023

Work Location (Attachment A): Grids A1, B1, B2, C1, D1, D2, D3 and D4.

1. J&A performed dewatering in grids B1, B2, C1, C2, D1, D2 and D3. A total of 14,660.00 gallons of groundwater was generated and treated for the day.
2. J&A excavated in Grids D1, D2 and D3 for installation of formwork. J&A placed formwork in each grid and spread gas permeable aggregates within the formwork.
3. Soil Solutions sent one truckload of pile cuttings off-site as scrap metal. J&A assisted loading pile cuttings into roll-off container.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 2.91 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 5.91 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 59

DATE: 10/13/2023
FILE NO: 41.0163097.00

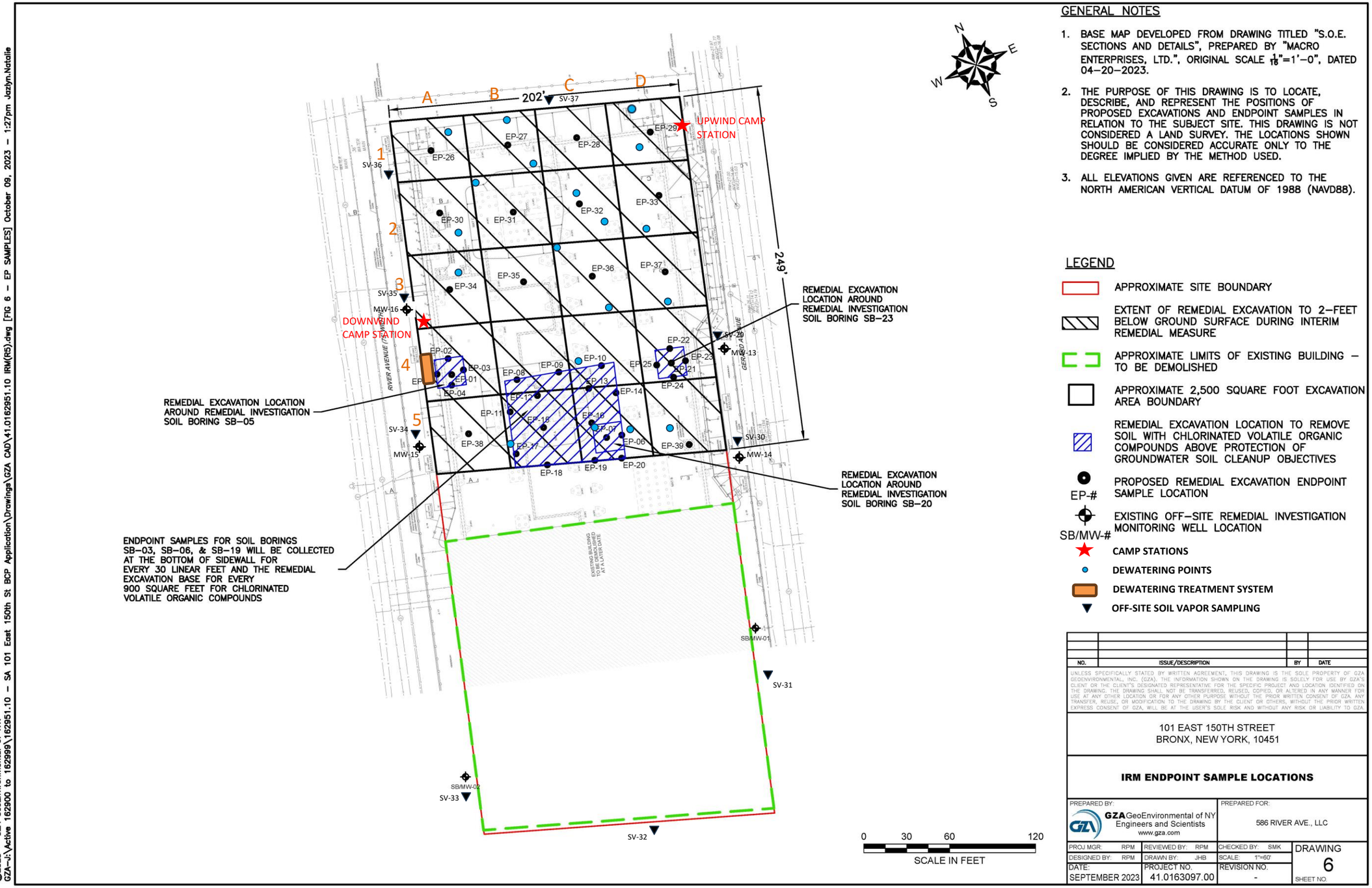
TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	14,660.0
Previous	80,259.10
Total	**94,919.0**

GZA DAILY FIELD SUMMARY 59

DATE: 10/13/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

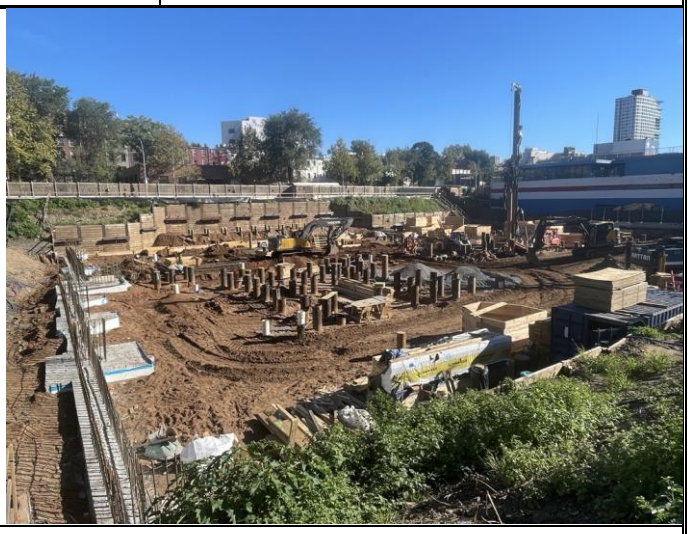
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 59

DATE: 10/13/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken Northeast
Description: J&A excavating for formwork installation in grid D3.		**Description:** J&A dewatering from well in Grid D1.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No. 4**	**Direction Photo Taken** Southeast
			
Description: J&A installing formwork in Grids D2 and D3.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 59

DATE: 10/13/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 13, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

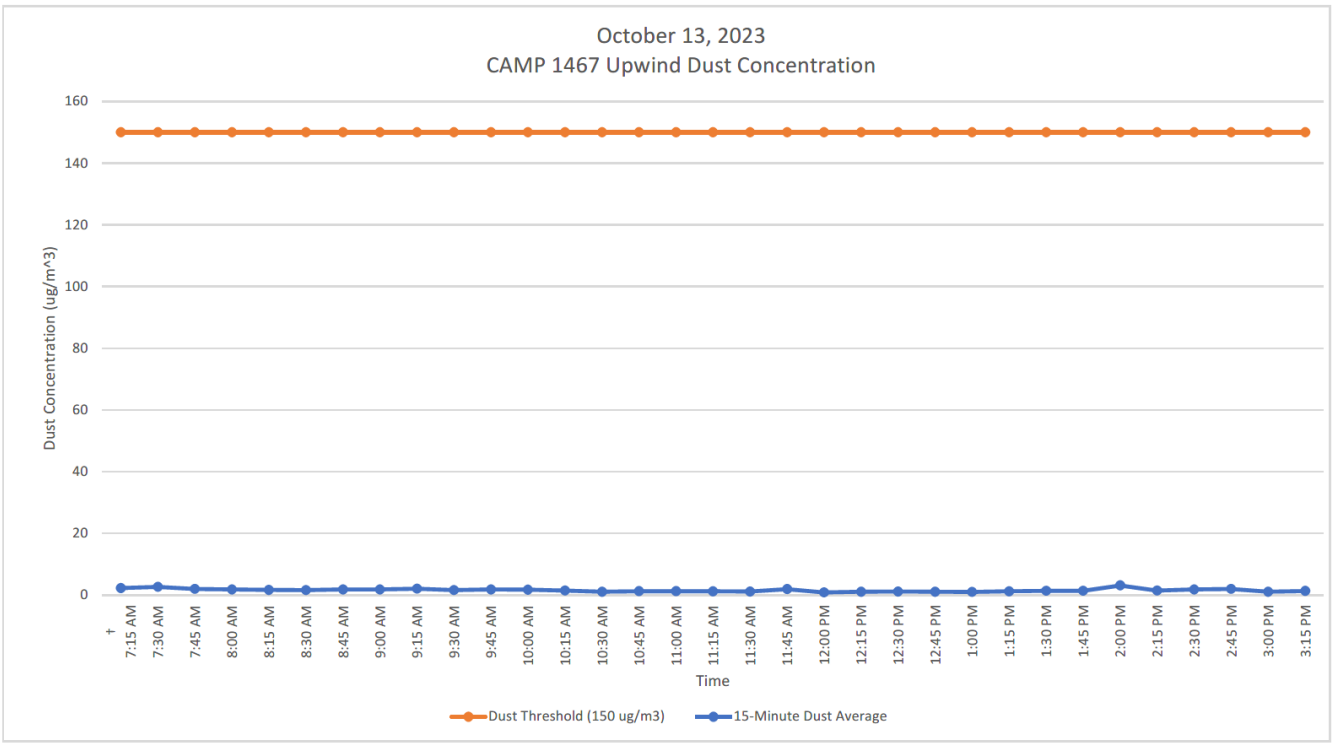
PID 1: 0.0
PID 2: 0.0

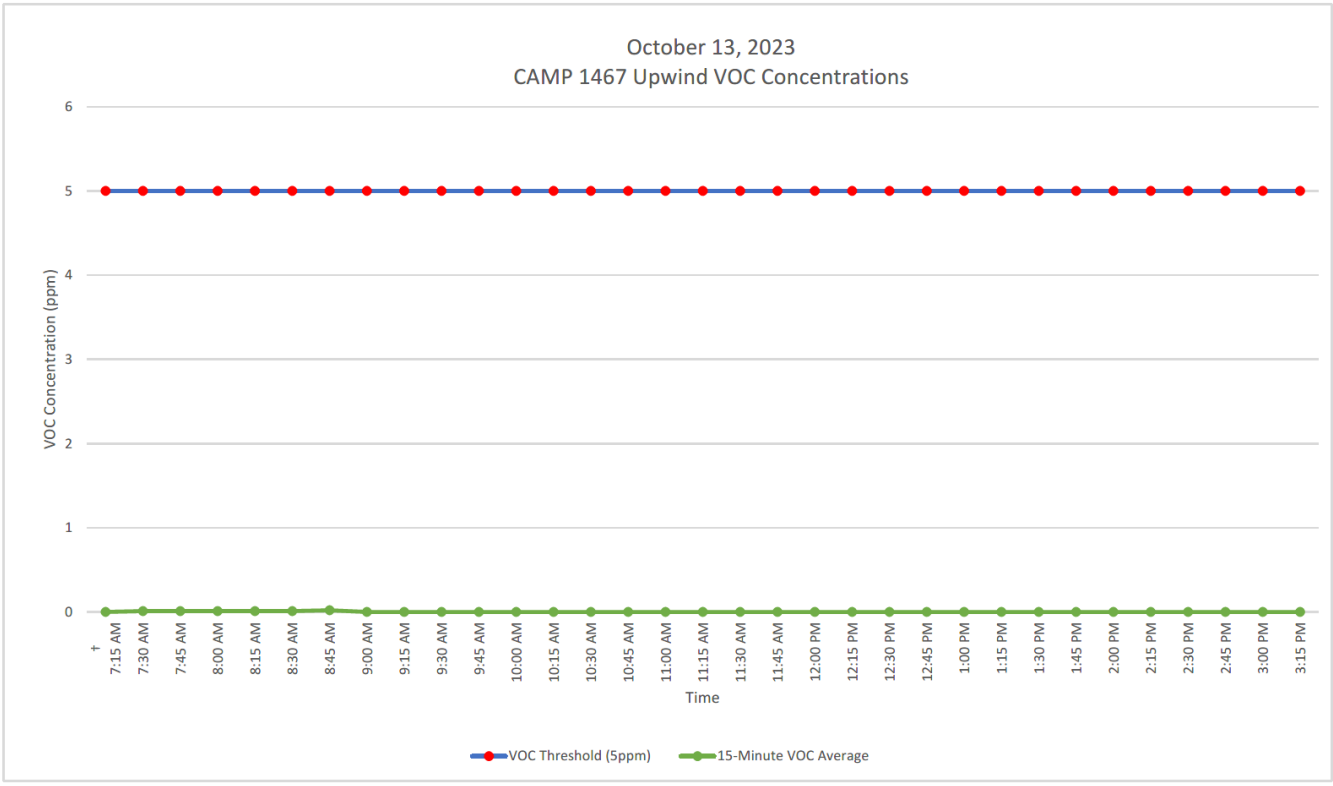
Data Ram 1: 2.91
Data Ram 2: 2.31

GZA DAILY FIELD SUMMARY 59

DATE: 10/13/2023

FILE NO: 41.0163097.00

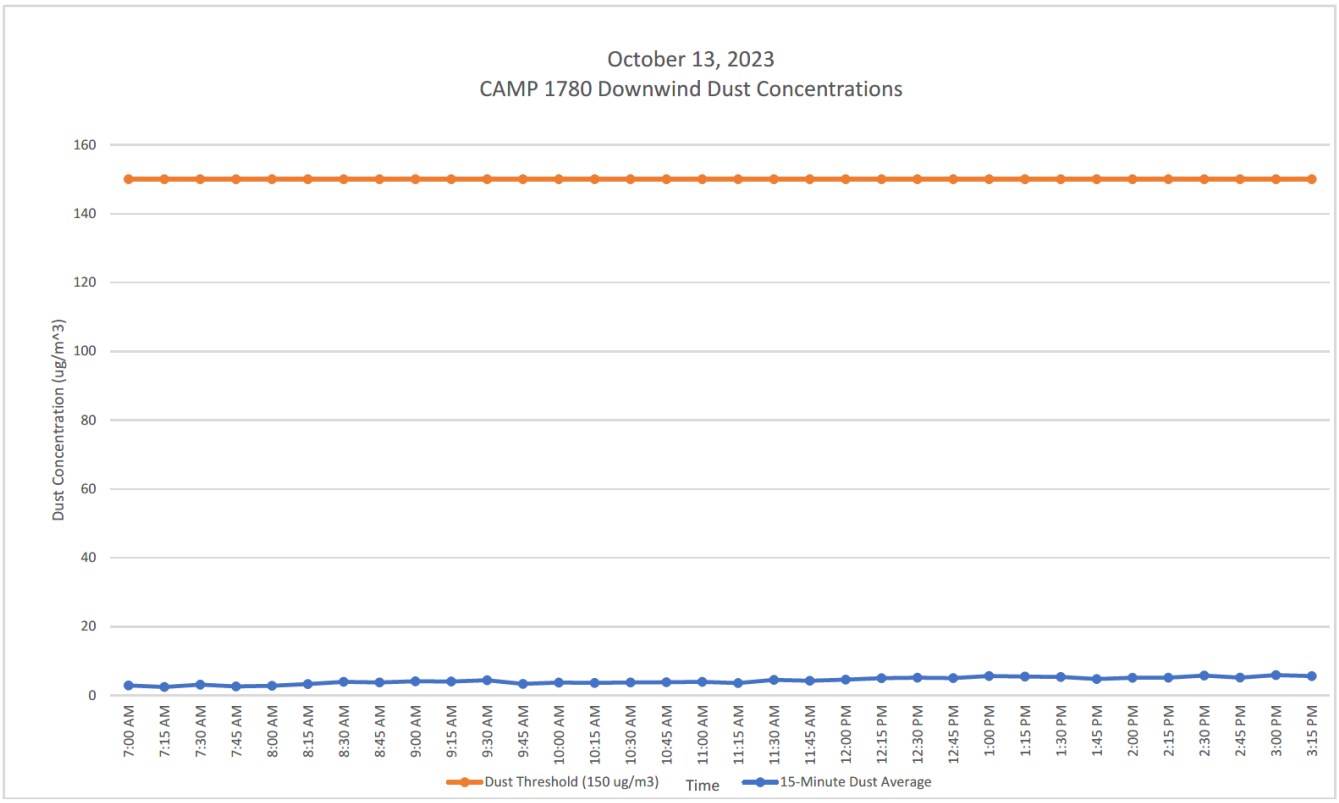


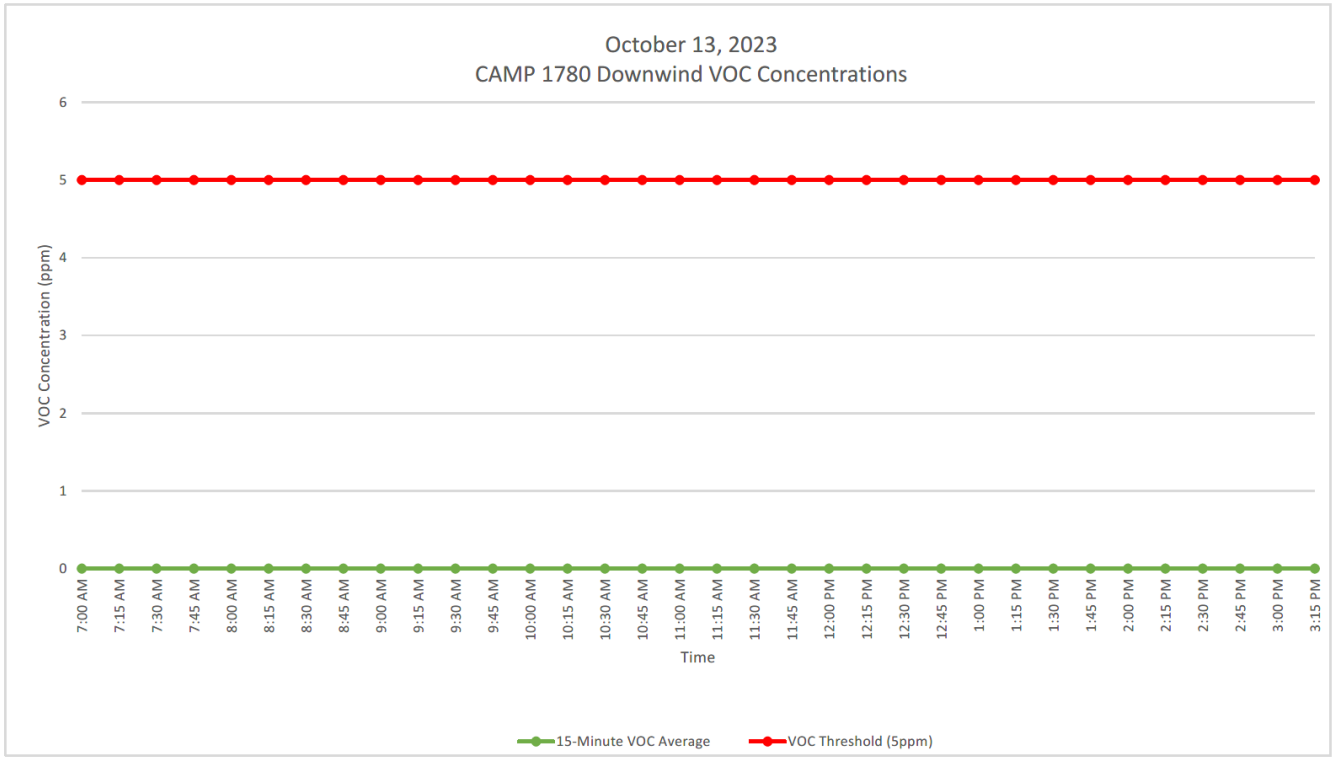


GZA DAILY FIELD SUMMARY 59

DATE: 10/13/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 59

DATE: 10/13/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 59

DATE: 10/13/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	2	51.55	5	130.11
TOTAL	**3**	**78.56**	**2**	**51.55**	**5**	**130.11**

`

GZA DAILY FIELD SUMMARY 60

DATE: 10/16/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	56.33°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	43.42°F
		MAX WIND SPEED	17 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, October 16, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
	Crown Waterproofing	
SITE VISITORS:	**GZA**	
	Stephen Kline, P.E. (Remedial Engineer)	Matt DiLorenzo
	J&A Concrete	
	Paul Cunha	

GZA DAILY FIELD SUMMARY 60

DATE: 10/16/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 10/16/2023

Work Location (Attachment A): Grids C2, C3, C4, D1, D2, D3, and D4.

1. PREPRUFE 300R Plus waterproofing / vapor barrier membrane and associated products delivered to Site and stored on a wooden pallet north of grid B1.
2. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in pile caps and grade beams in grids C2, C3, C4, D1, D2, D3, and D4. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps. Stephen Kline, P.E. was onsite to observe and document the vapor barrier installation.
3. J&A excavated in Grid C4 for installation of formwork. J&A placed formwork in each grid and spread gas permeable aggregates within the formwork.
4. J&A installed rebar in grids D2 and D3.
5. J&A built timber formwork and stored in grid C4.
6. Soil Solutions cut piles to the specified elevation in grid C2.
7. J&A performed dewatering in grids C2, C4, D1, D2, and D3. A total of 21,415.00 gallons of groundwater was generated and treated for the day.
8. GZA developed offsite permanent monitoring wells (MW-13 through MW-16) in preparation for groundwater sampling.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.03 ppm, Particulates: 2.20 ug/m^3
High Conditions – PID: 2.77 ppm, Particulates: 6.78 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

GZA DAILY FIELD SUMMARY 60

DATE: 10/16/2023
FILE NO: 41.0163097.00

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Two truckloads of gas permeable aggregates from Tilcon New York, Inc. were delivered onsite during this monitoring period.

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

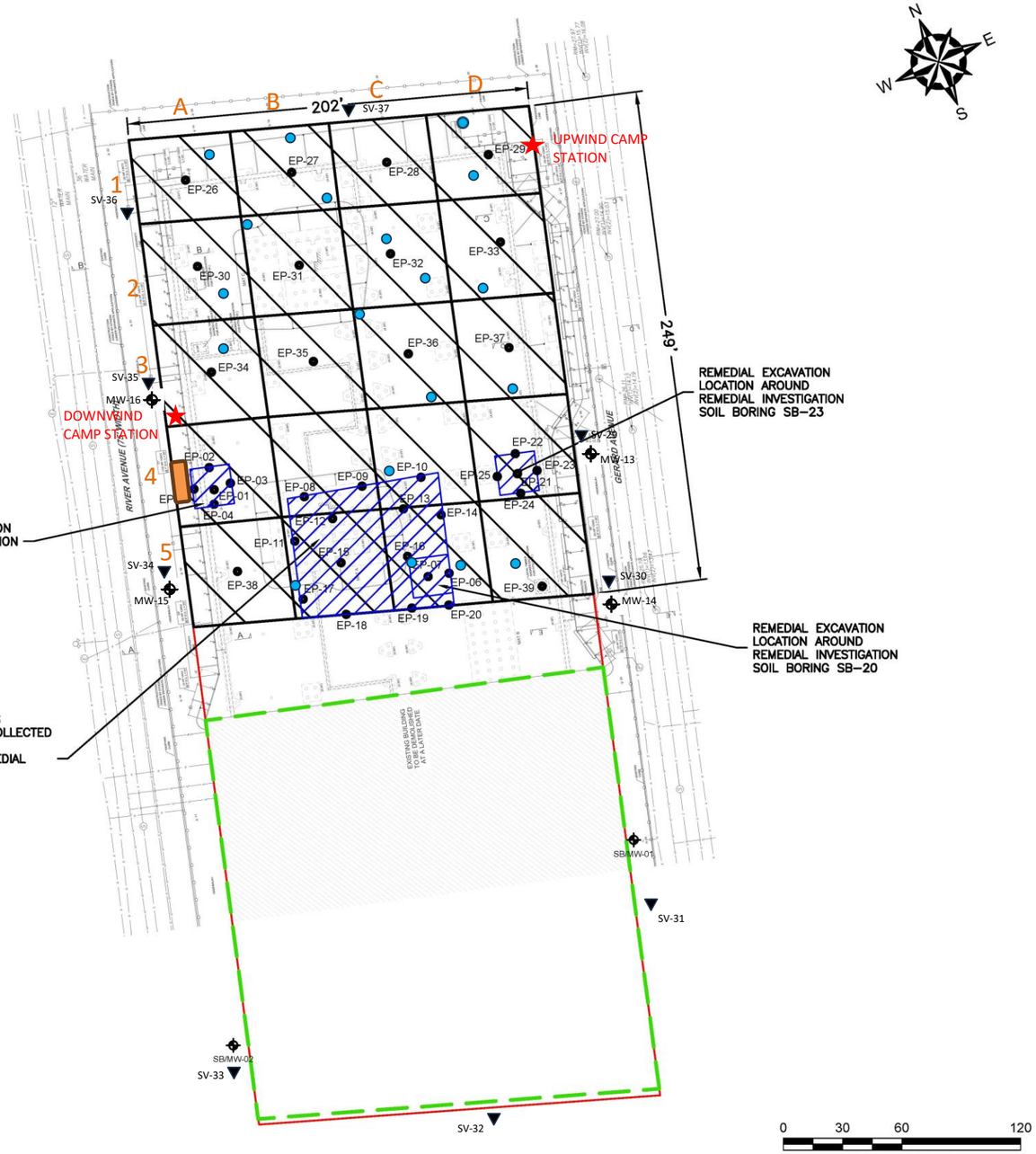
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	21,415.00
Previous	94,919.10
Total	**116,334.10**

GZA DAILY FIELD SUMMARY 60

DATE: 10/16/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



N E S W

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

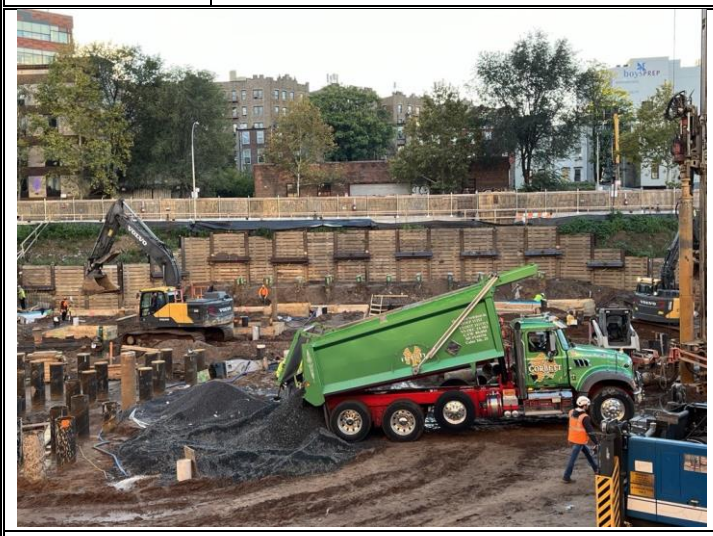
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 60

DATE: 10/16/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** Southeast
			
Description: Delivery of gas permeable aggregates from Tilcon in grid B-3.		**Description:** Crown installing PREPRUFE 300R Plus waterproofing/vapor barrier membrane in grid D4; Penetrations around piles are sealed to prevent gaps.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No.** 4	**Direction Photo Taken** Southwest
Description: J&A installing formwork in Grid C4.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 60

DATE: 10/16/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 16, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

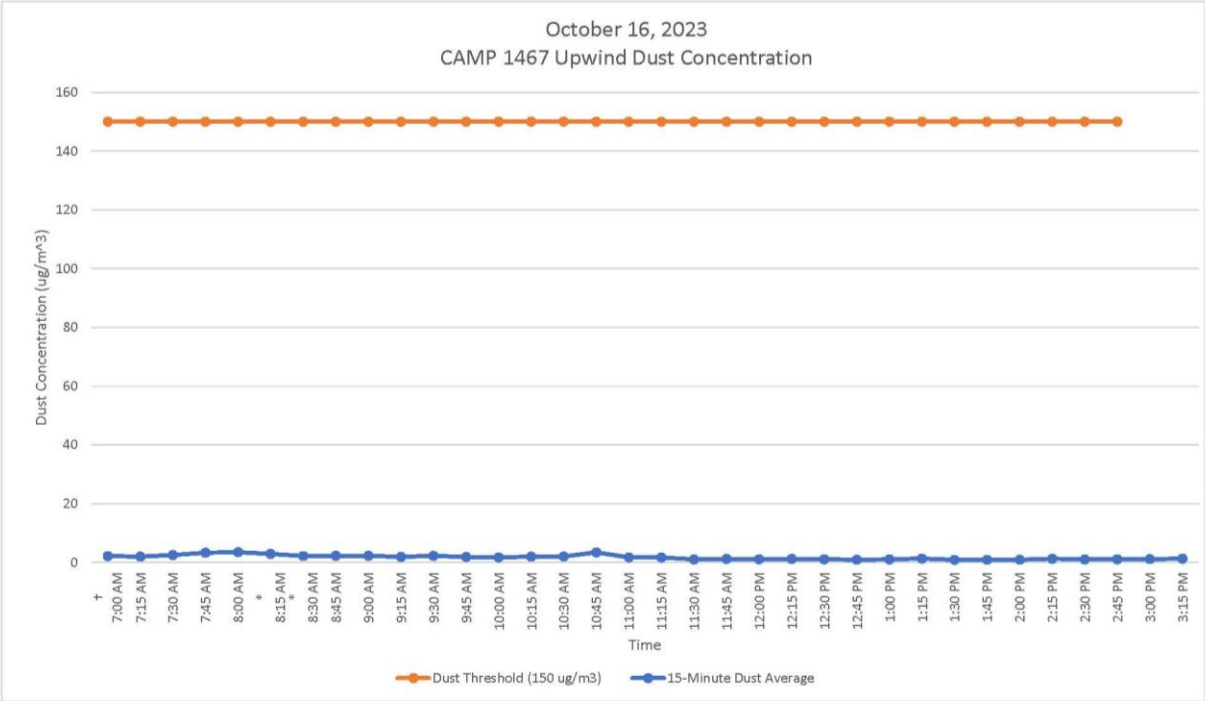
Background Readings:

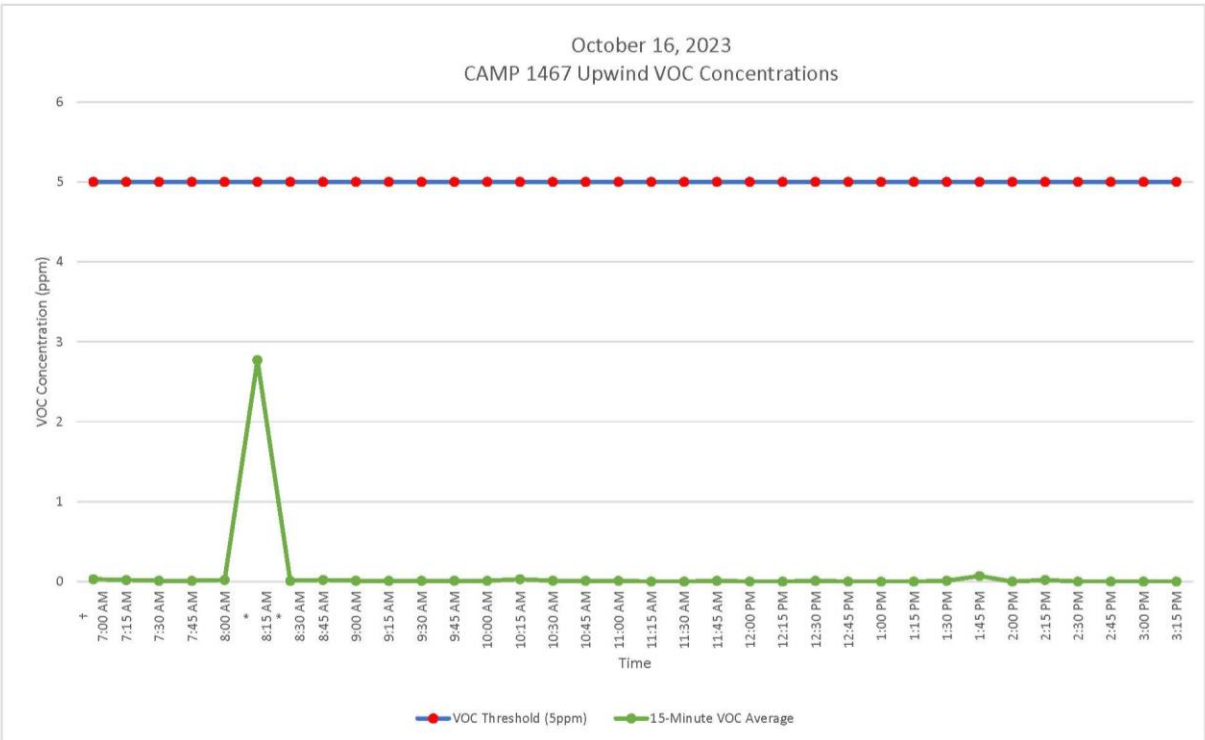
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 2.20
Data Ram 2: 1.14

GZA DAILY FIELD SUMMARY 60

DATE: 10/16/2023
FILE NO: 41.0163097.00

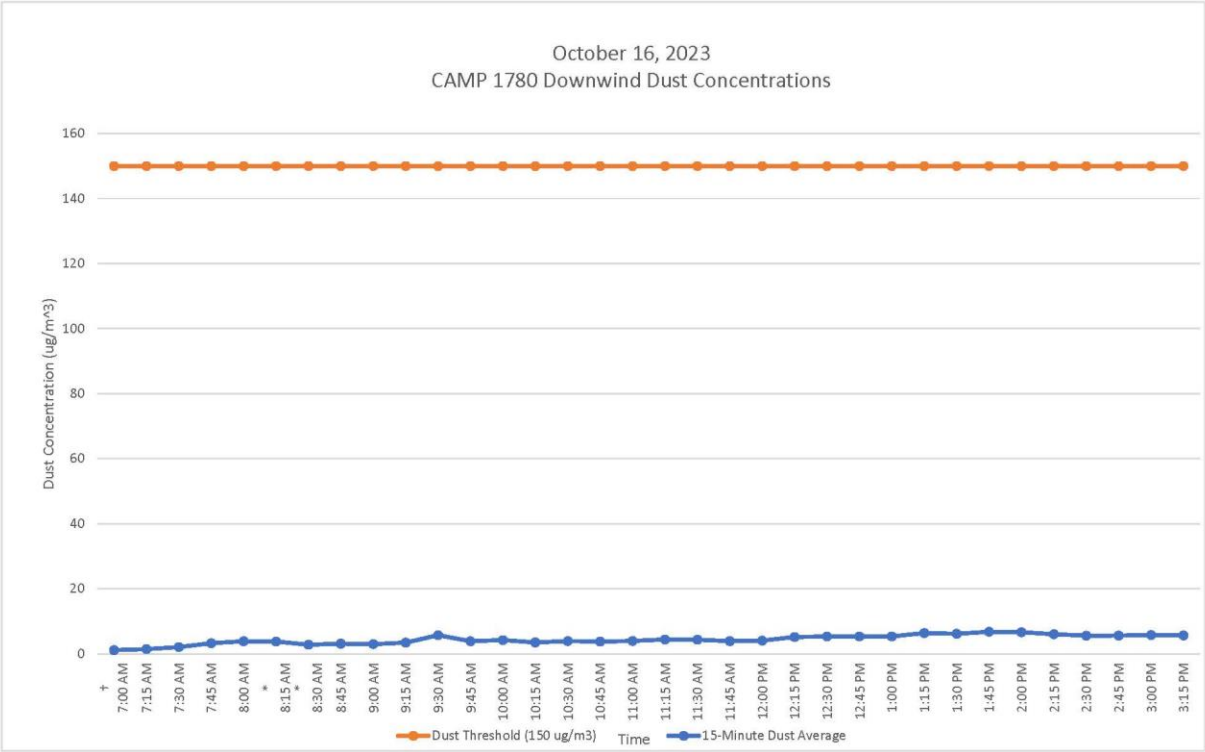


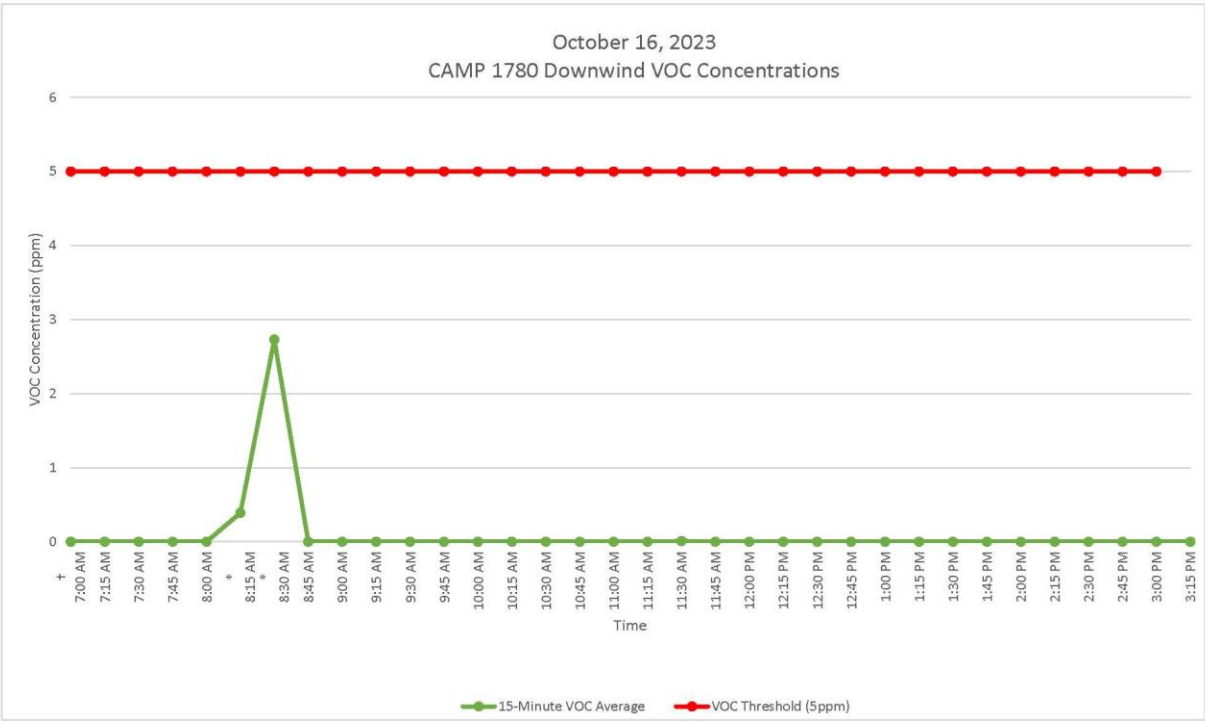


GZA DAILY FIELD SUMMARY 60

DATE: 10/16/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 60

DATE: 10/16/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 60

DATE: 10/16/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	2	51.77	2	51.77
Previous	3	78.56	2	51.55	5	130.11
TOTAL	**3**	**78.56**	**4**	**103.32**	**7**	**181.88**

`

GZA DAILY FIELD SUMMARY 57

DATE: 10/17/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	58.38°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	44.79°F
		MAX WIND SPEED	12 mph from NNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, October 17, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
SITE VISITORS:	**LERA Consulting Structural Engineers (LERA)**	
	Mamadou Balde	
	SOM	
	Sabrina Shen	

GZA DAILY FIELD SUMMARY 57

DATE: 10/17/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 10/17/2023

Work Location (Attachment A): Grids A1, B1, B2, B3, C2, C3, C4, D1, D2, D3, and D4.

1. J&A installed rebar and poured concrete in pile caps and grade beams in grids D1, D2, D3, and D4.
2. J&A excavated in grids B3 and C3 for installation of formwork. J&A placed formwork in each grid and spread gas permeable aggregates within the formwork.
3. J&A excavated in grid B2 for future installation of formwork.
4. J&A built timber formwork and stored in grid C4.
5. Soil Solutions cut piles to the specified elevation in grid C3.
6. J&A performed dewatering in grids A1, B1, C2, and D2. A total of 46,364.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.01 ppm, Particulates: 5.53 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 15.27 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

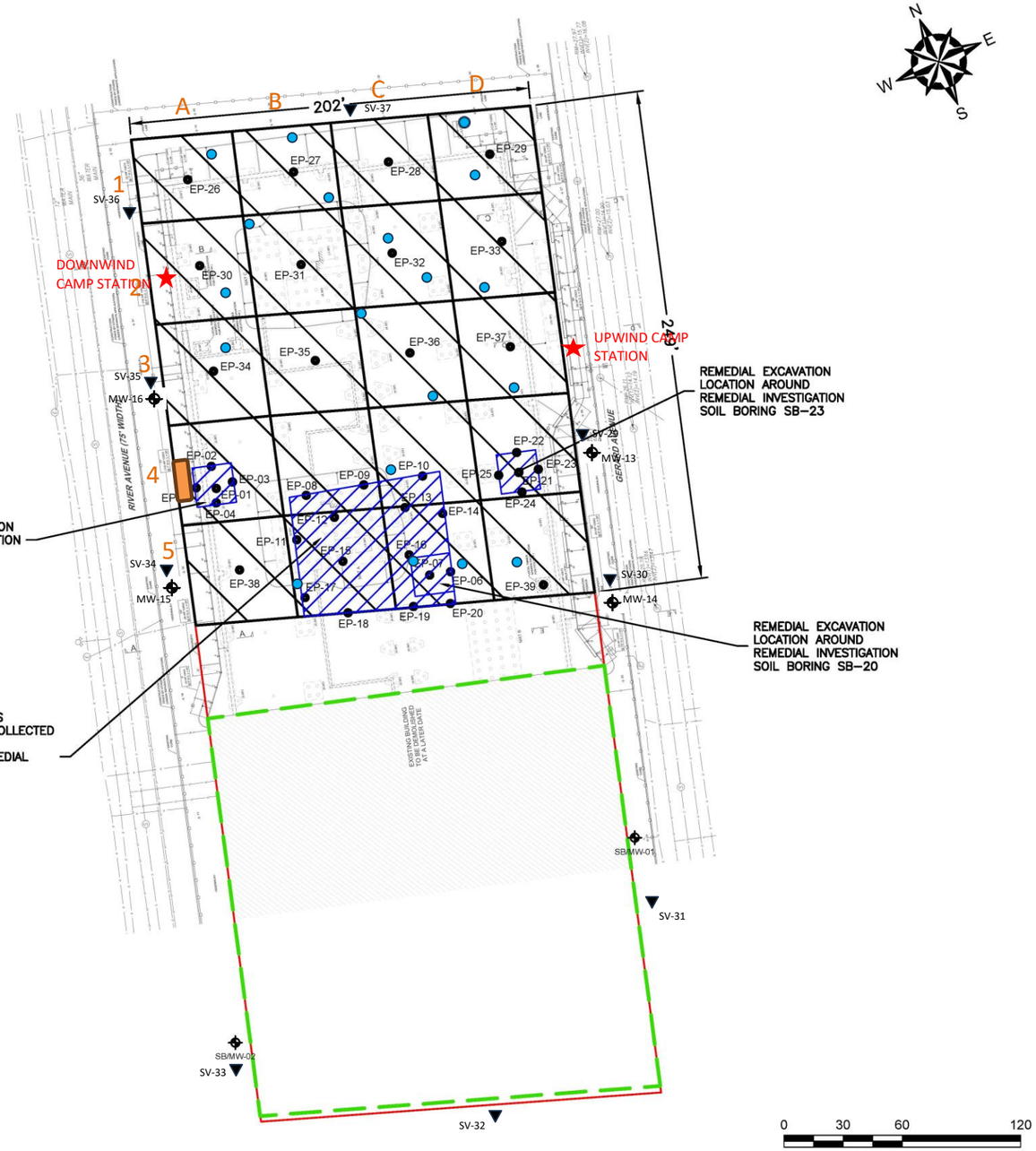
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	46,364.00
Previous	116,334.10
Total	**162,698.10**

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

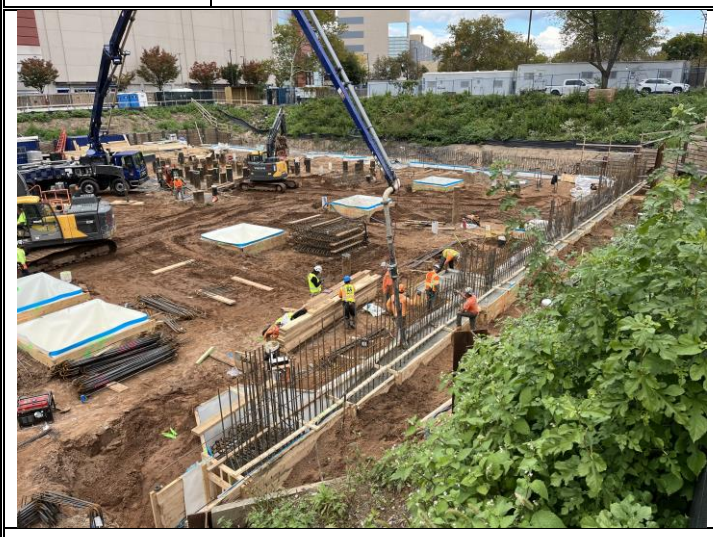
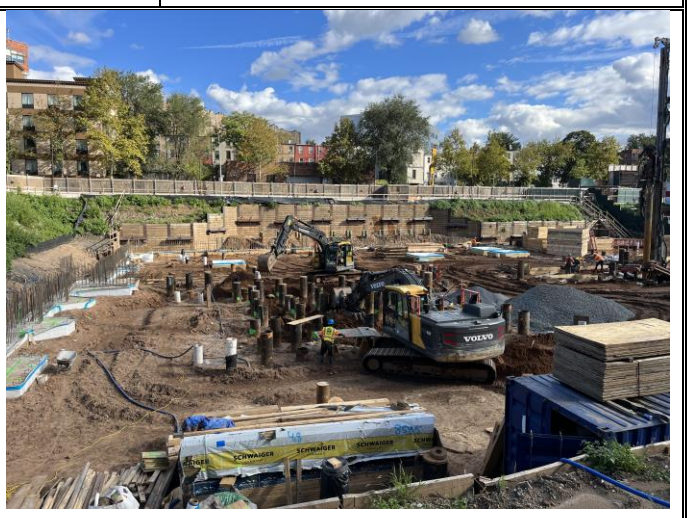
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Southwest	Photo No. 2	Direction Photo Taken East
Description: J&A installing formwork in Grid B3.		**Description:** J&A dewatering in grid D2.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No. 4**	**Direction Photo Taken** East
			
Description: J&A pouring concrete in grid D3.		**Description:** J&A excavating in grid B2 for future installation of formwork.	

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 17, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

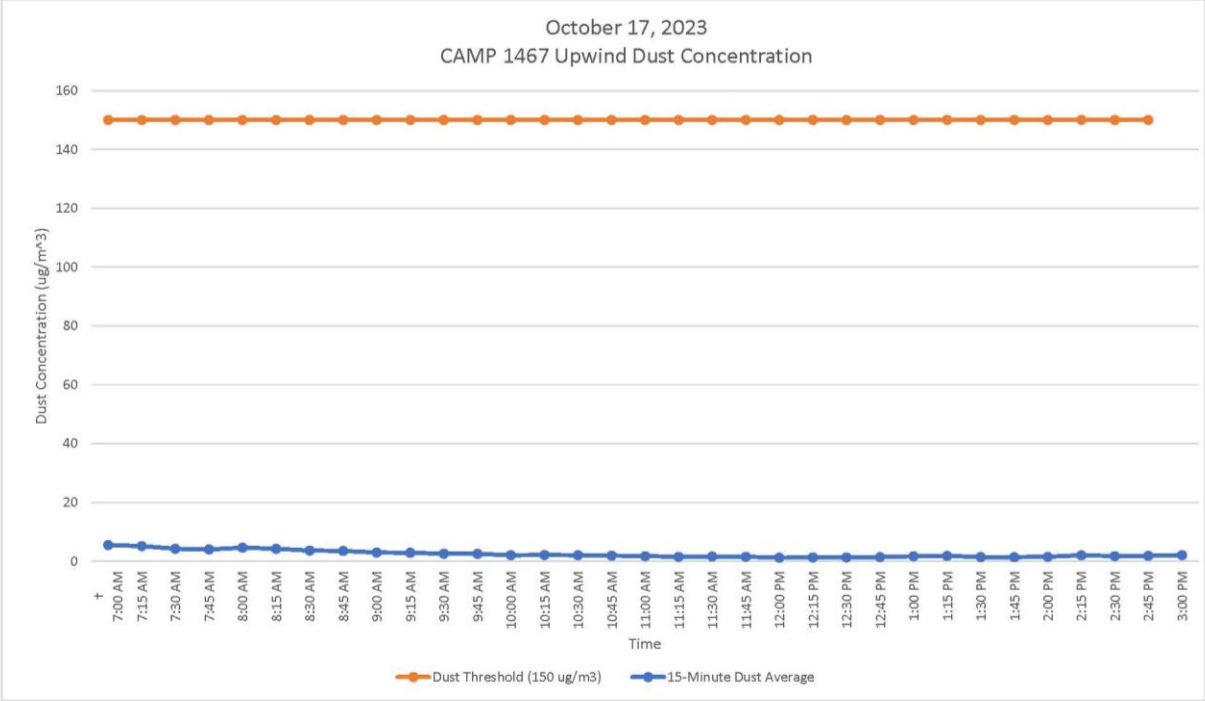
PID 1: 0.0
PID 2: 0.0

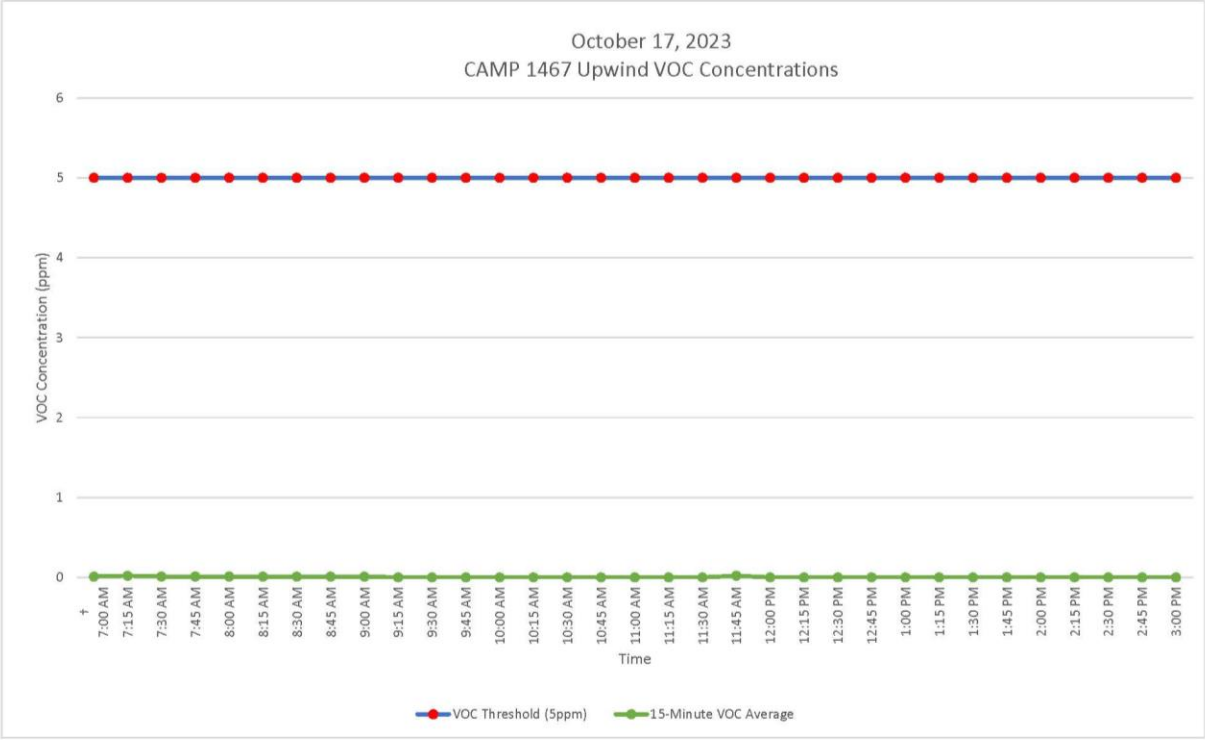
Data Ram 1: 5.53
Data Ram 2: 4.61

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023

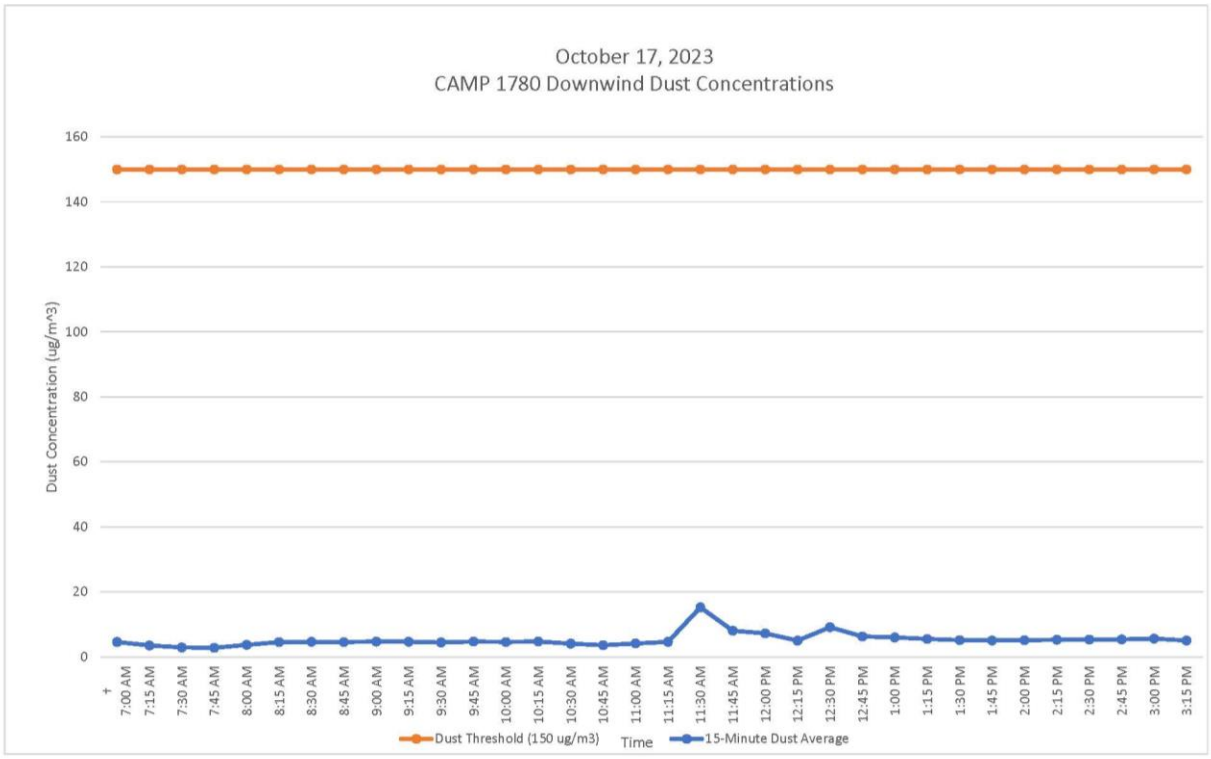
FILE NO: 41.0163097.00

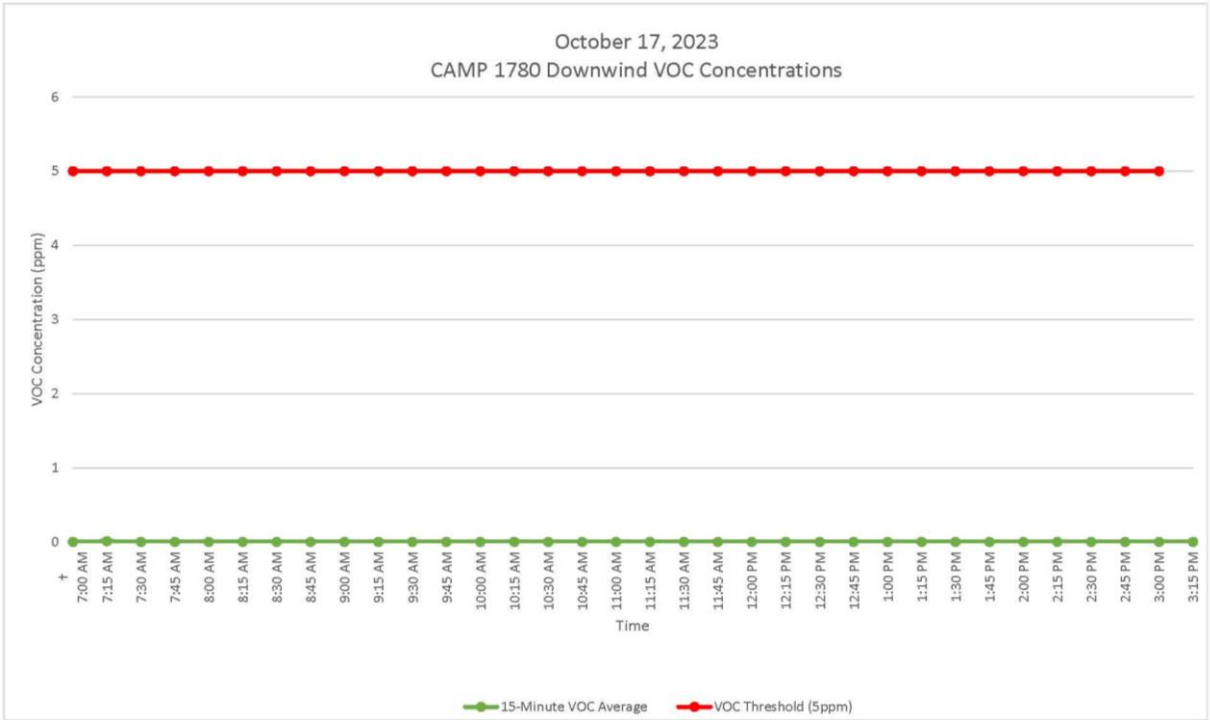




GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	4	103.32	7	181.88
TOTAL	**3**	**78.56**	**4**	**103.32**	**7**	**181.88**

`

GZA DAILY FIELD SUMMARY 62

DATE: 10/18/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	55.20°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	48.20°F
		MAX WIND SPEED	7 mph from ENE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, October 18, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:	**DBI Projects**	
	Ricky Gautier	

GZA DAILY FIELD SUMMARY 62

DATE: 10/18/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 10/18/2023

Work Location (Attachment A): Grids A1, A2, B1, B2, B3, C2, C3, D1, D2, D3, and D4.

1. PREPRUFE 300R Plus Waterproofing Membrane and associated products delivered to Site and stored on a wooden pallet north of grid B1.
2. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in pile caps located in grids B3, C3, D1, D2 and D3. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps.
3. J&A installed rebar and poured concrete in pile caps in grids B3, C3, D1, D2 and D3.
4. J&A excavated soil in grids A2, B2 and C2. All excavated material was placed adjacent to the excavated area.
5. J&A constructed timber formwork and stored in grid D4.
6. J&A performed dewatering in grids A1, B1, B2, D1, D2 and D3. A total of 13,211.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator
- Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.04 ppm, Particulates: 7.21 ug/m^3
High Conditions – PID: 0.05 ppm, Particulates: 18.72 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

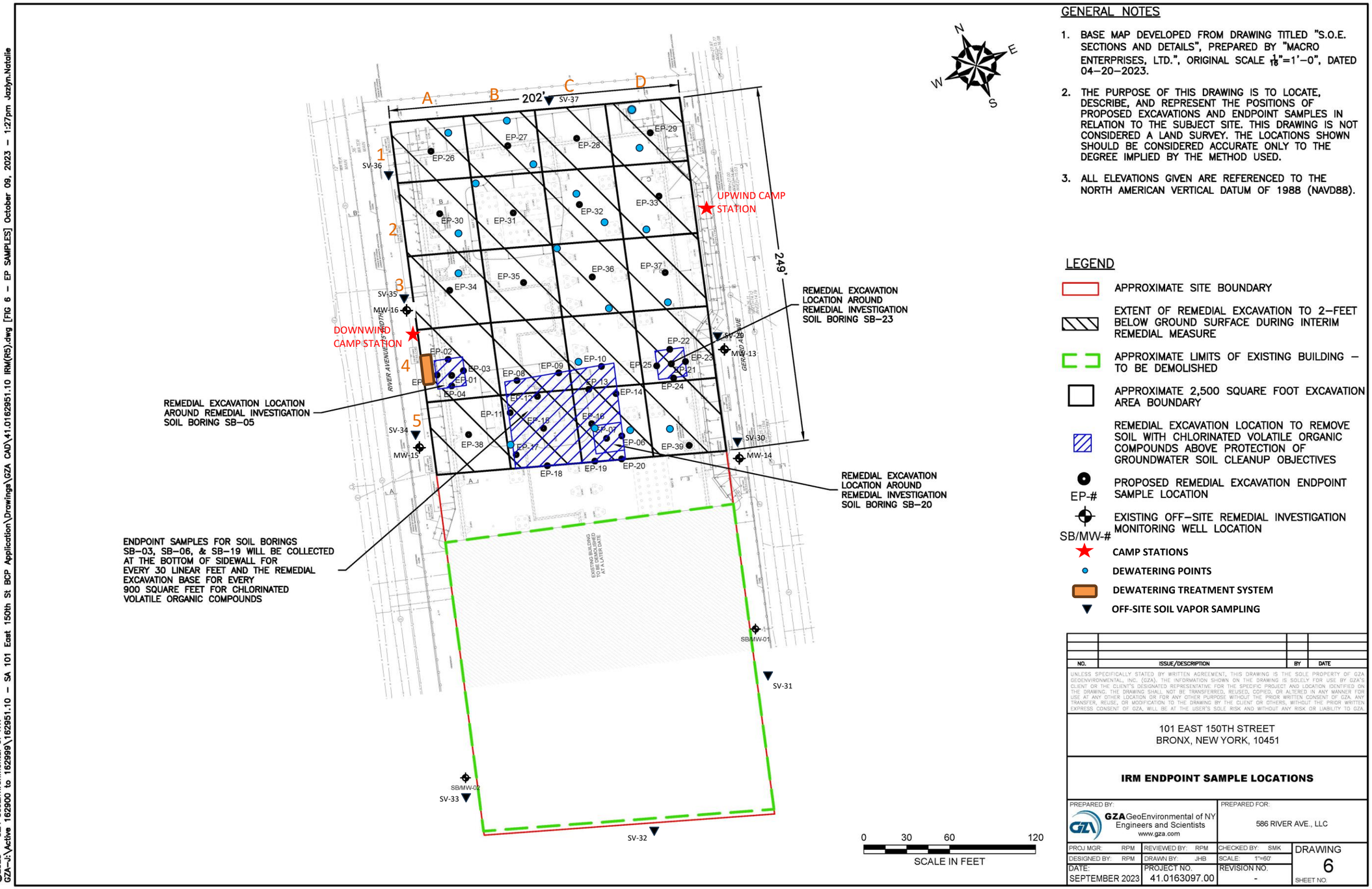
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	13,211.00
Previous	162,698.10
Total	**175,909.10**

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	South	2	South

Description: Crown Waterproofing installing vapor barrier in pile cap located in Grid D1.

Description: J&A placing rebar in pile cap located in Grid C3.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
3	North	4	West

Description: J&A excavating area in Grids A2, B2 and C2.

Description: J&A pouring concrete into pile cap located in Grid C3.

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 18, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**	
1	☐ YES	☐ NO	1 ☐ YES	☒ NO
2	☐ YES	☐ NO	2 ☐ YES	☒ NO
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO
2	☐ YES	☒ NO
Hand Held	☒ YES	☐ NO

Repair Needed: **Gas - 100 ppm**

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs:

Instrument:				Results/Comments:
1	☒ Data	☒ Avg	☐ Summary	
2	☒ Data	☒ Avg	☐ Summary	

Data Rams:

1	☒ Data
2	☒ Data

Weather Station: ☐ YES

Background Readings:

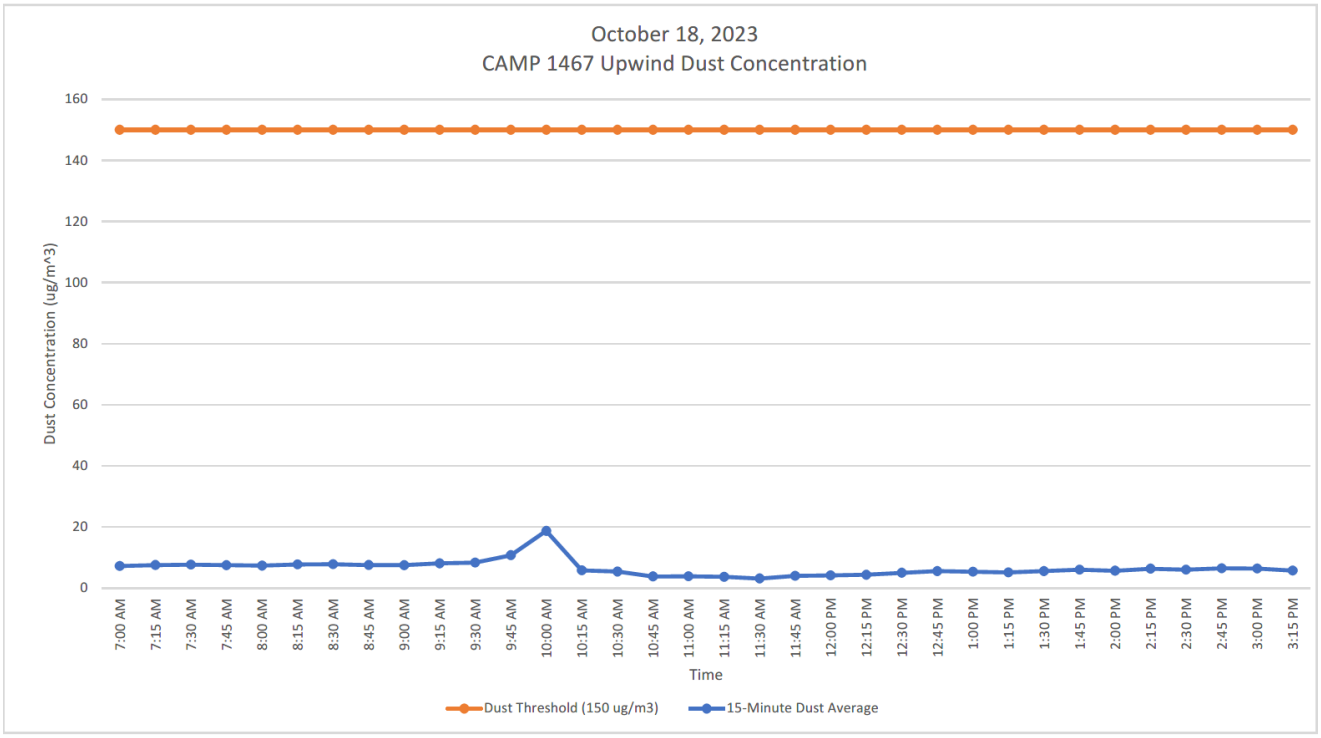
PID 1: 0.1
PID 2: 0.4

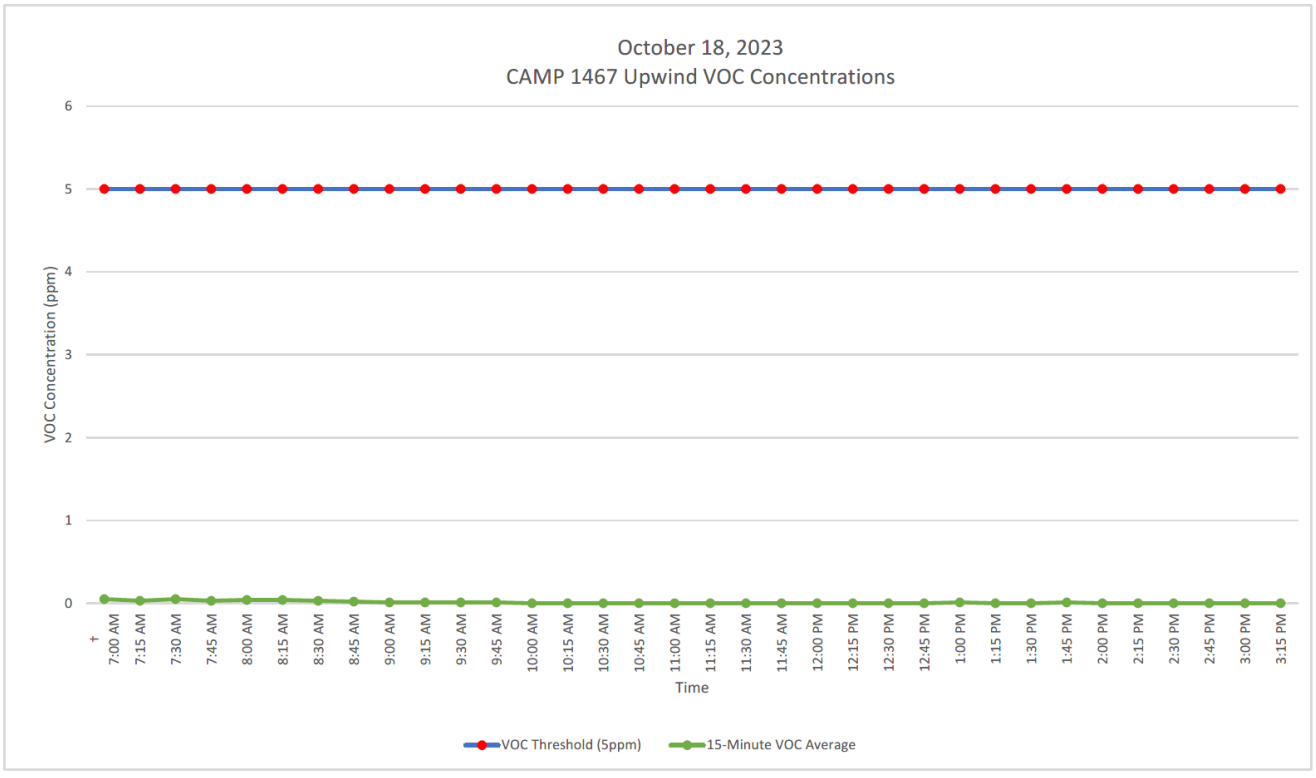
Data Ram 1: 6.31
Data Ram 2: 7.21

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023

FILE NO: 41.0163097.00

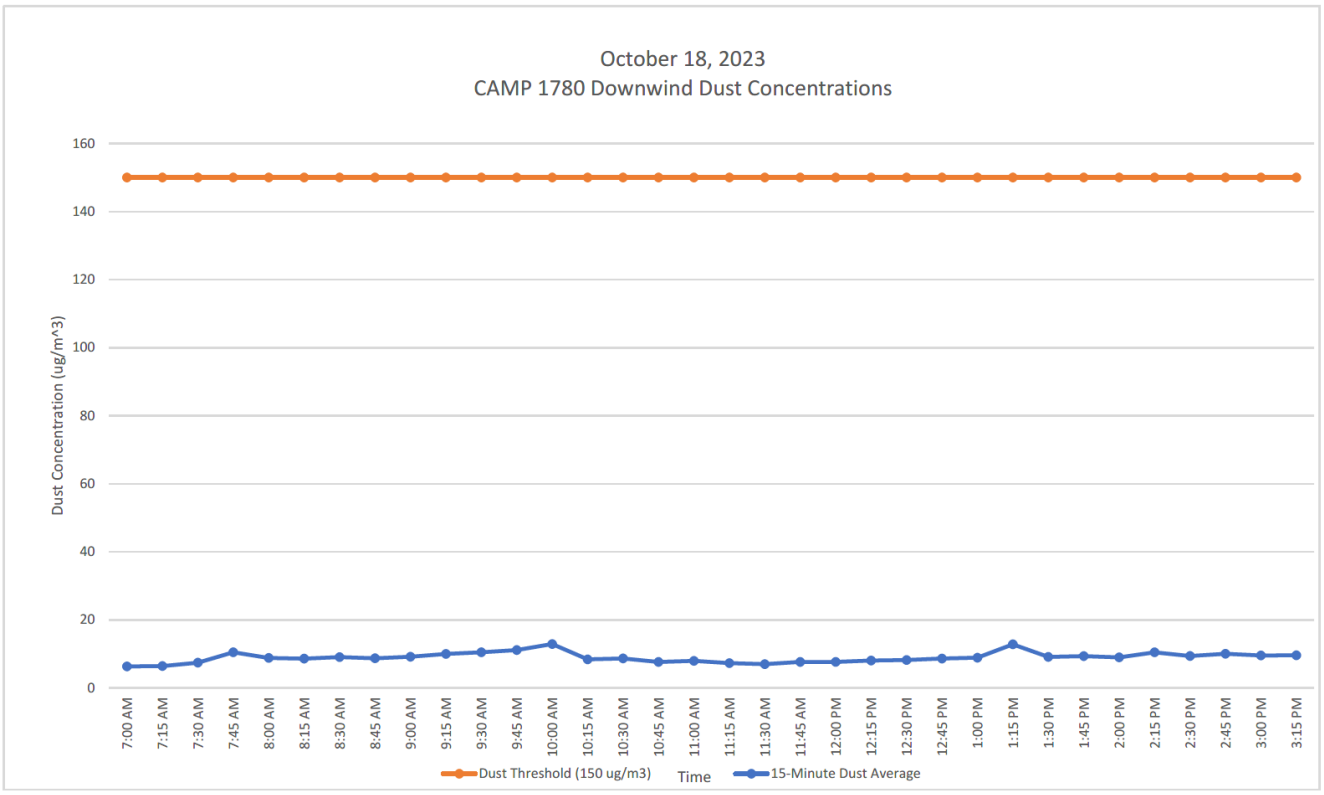


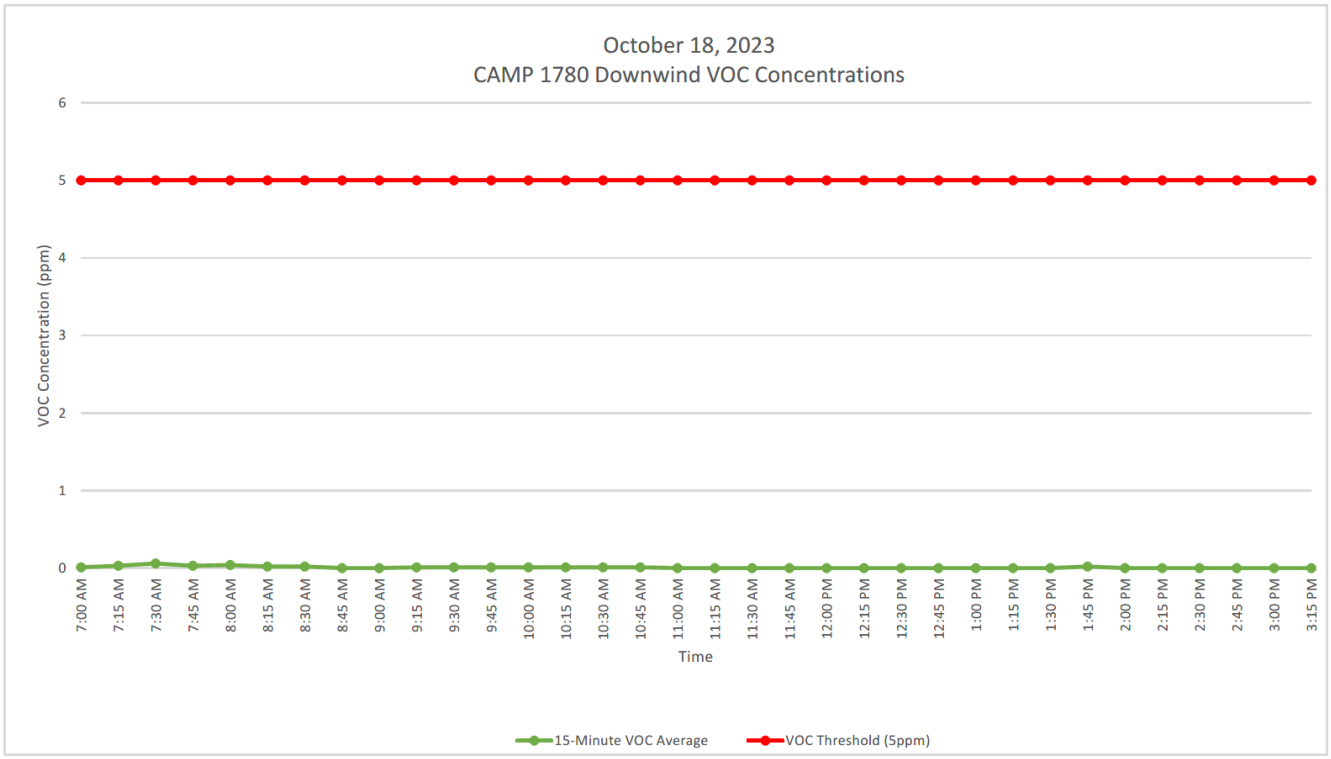


GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 61

DATE: 10/17/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	4	103.32	7	181.88
TOTAL	**3**	**78.56**	**4**	**103.32**	**7**	**181.88**

`

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	59.50°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	47.13°F
		MAX WIND SPEED	10 mph from SW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, October 19, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	Mark Frey
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 10/19/2023

Work Location (Attachment A): Grids A1, A2, B1, B2, B3, C2, C3, D1, D2, D3, and D4.

1. J&A excavated soil in grids A2, B2 and C2. All excavated material was placed adjacent to the excavated area. J&A then began to backfill this area with gas permeable aggregates.
2. Soil Solutions installed new dewatering wells in grids A3 and B4.
3. Three truckloads of gas permeable aggregates from Tilcon New York, Inc. were delivered by Shamrock Materials, LLC and stockpiled in grid B3.
4. J&A constructed timber formwork and stored in grid D4.
5. J&A performed dewatering in grids A1, B1, B2, C3, D1, D2 and D3. A total of 16,453.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- In accordance with the SRI Work Plan, GZA collected groundwater samples from monitoring wells MW-01, MW-02, MW-13, MW-14, MW-15 and MW-16.

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.04 ppm, Particulates: 24.39 ug/m^3
High Conditions – PID: 0.05 ppm, Particulates: 40.01 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Three truckloads (77.82 tons) of gas permeable aggregates from Tilcon New York, Inc. were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

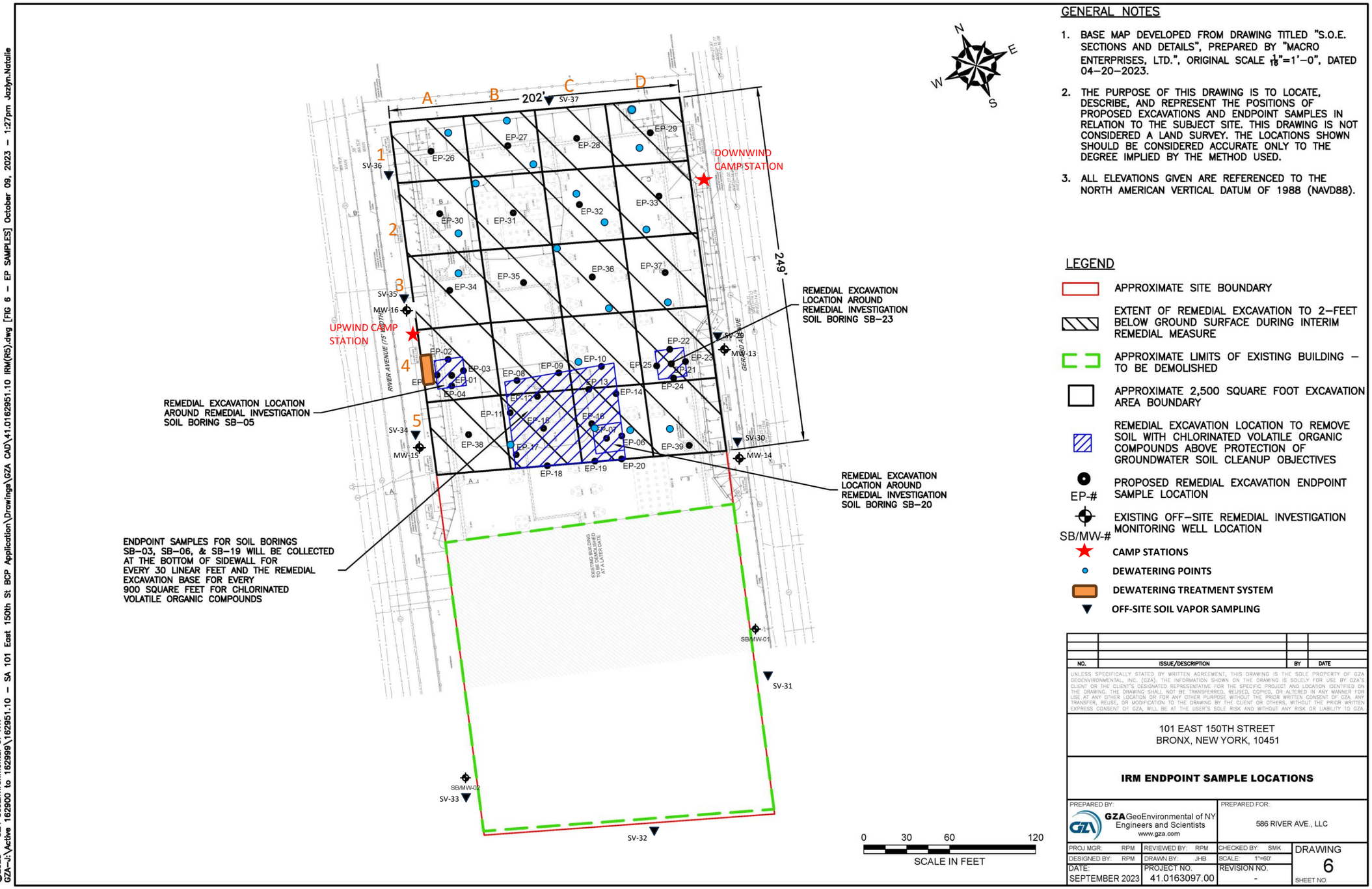
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	16,453.00
Previous	175,909.10
Total	**192,362.10**

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** West	**Photo No.** 2	**Direction Photo Taken** Northwest
Description: Delivery of gas permeable aggregates to Grid B3.		**Description:** Soil Solutions installing new dewatering well in Grid A3.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No.** 4	**Direction Photo Taken** Southwest
Description: J&A backfilling excavating area in Grids A2, B2 and C2 with gas permeable aggregates.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 19, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

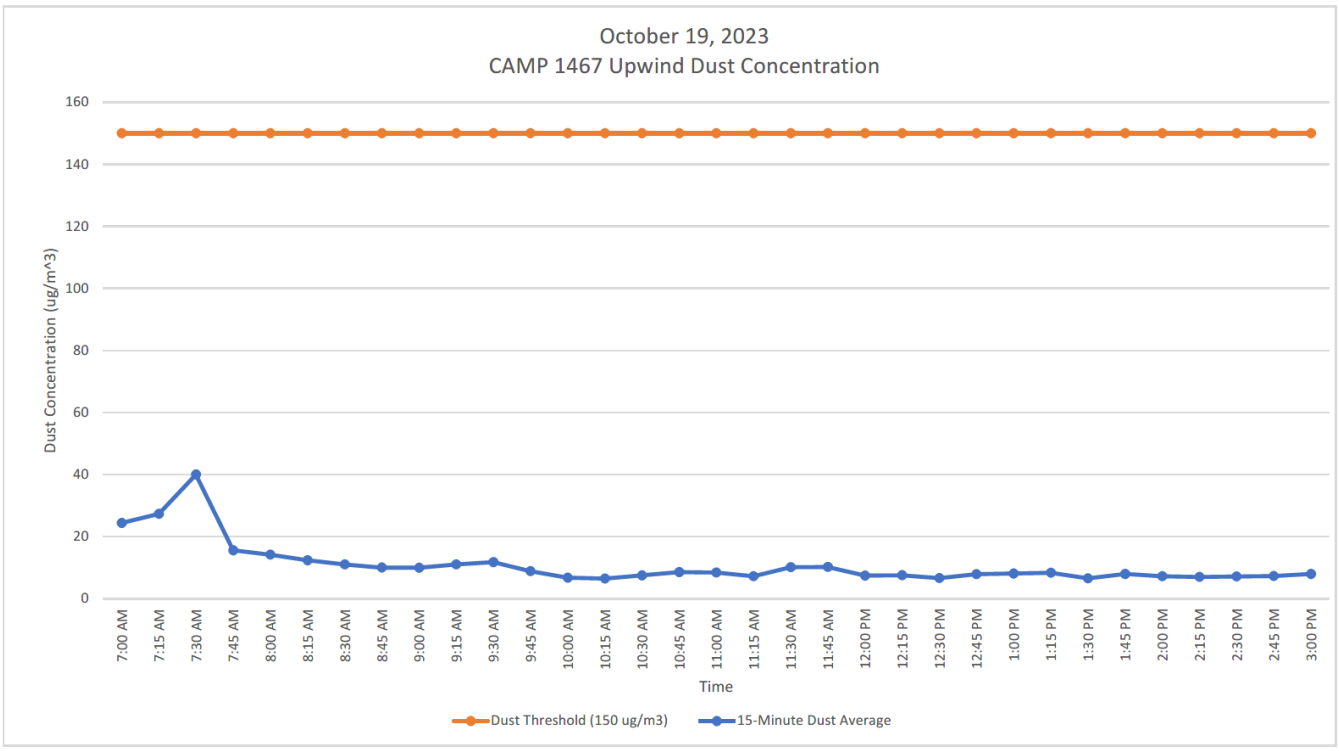
PID 1: 0.4
PID 2: 0.0

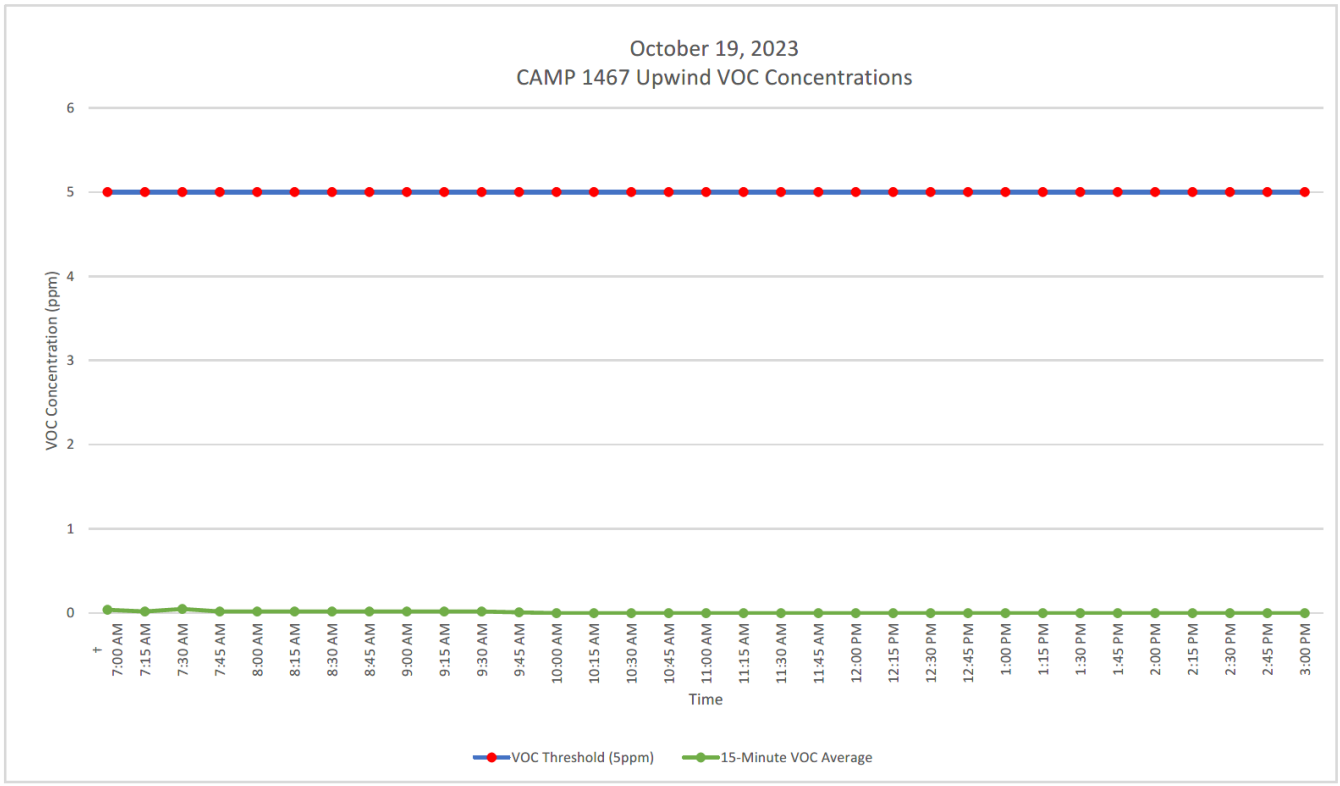
Data Ram 1: 24.39
Data Ram 2: 6.89

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023

FILE NO: 41.0163097.00

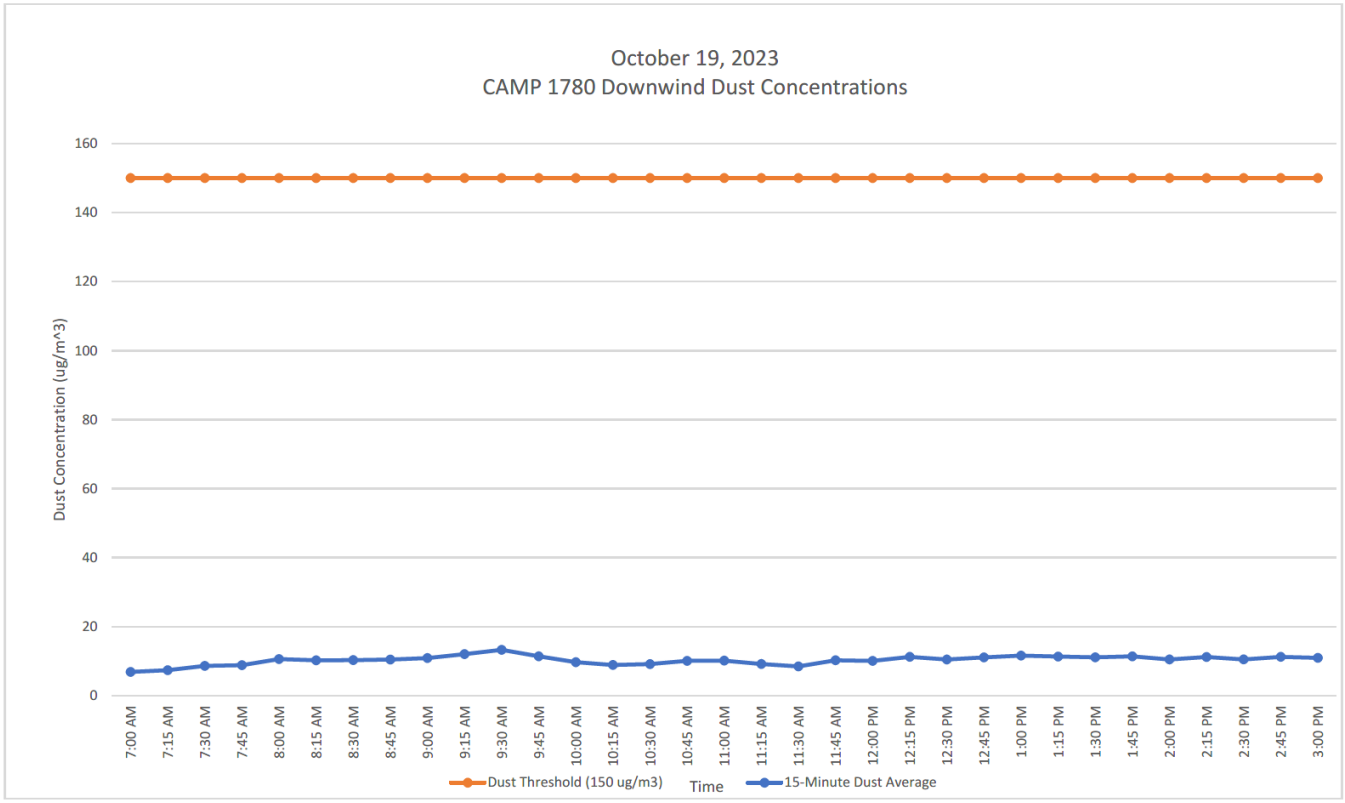


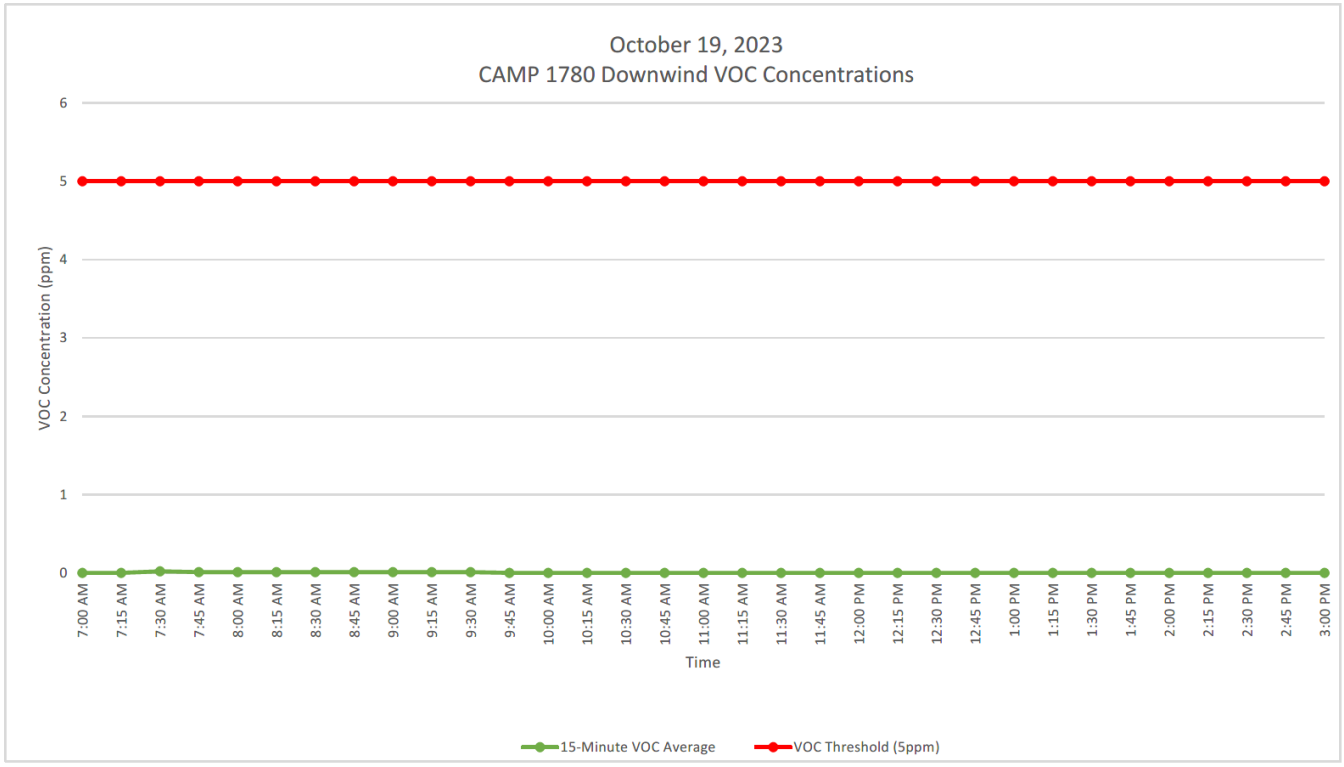


GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	3	77.82	3	77.82
Previous	3	78.56	4	103.32	7	181.88
TOTAL	**3**	**78.56**	**7**	**181.14**	**10**	**259.70**

`

GZA DAILY FIELD SUMMARY 64

DATE: 10/20/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Rain
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	62.56°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	58.52°F
		MAX WIND SPEED	18 mph from SSE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.15 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, October 20, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 64

DATE: 10/20/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 10/20/2023

Work Location (Attachment A): Grids A1, A2, A3, B1, B2, B3, C2, C3, and D4.

1. J&A backfilled grids A1, A2, B2 and C2 with gas permeable aggregates.
2. J&A constructed timber formwork and stored in grid D4.
3. J&A performed dewatering in grids A1, A3, B1, B3, and C3. A total of 21,967.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:
Background Prestart Conditions – PID: 0.00 ppm, Particulates: 15.34 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 15.34 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

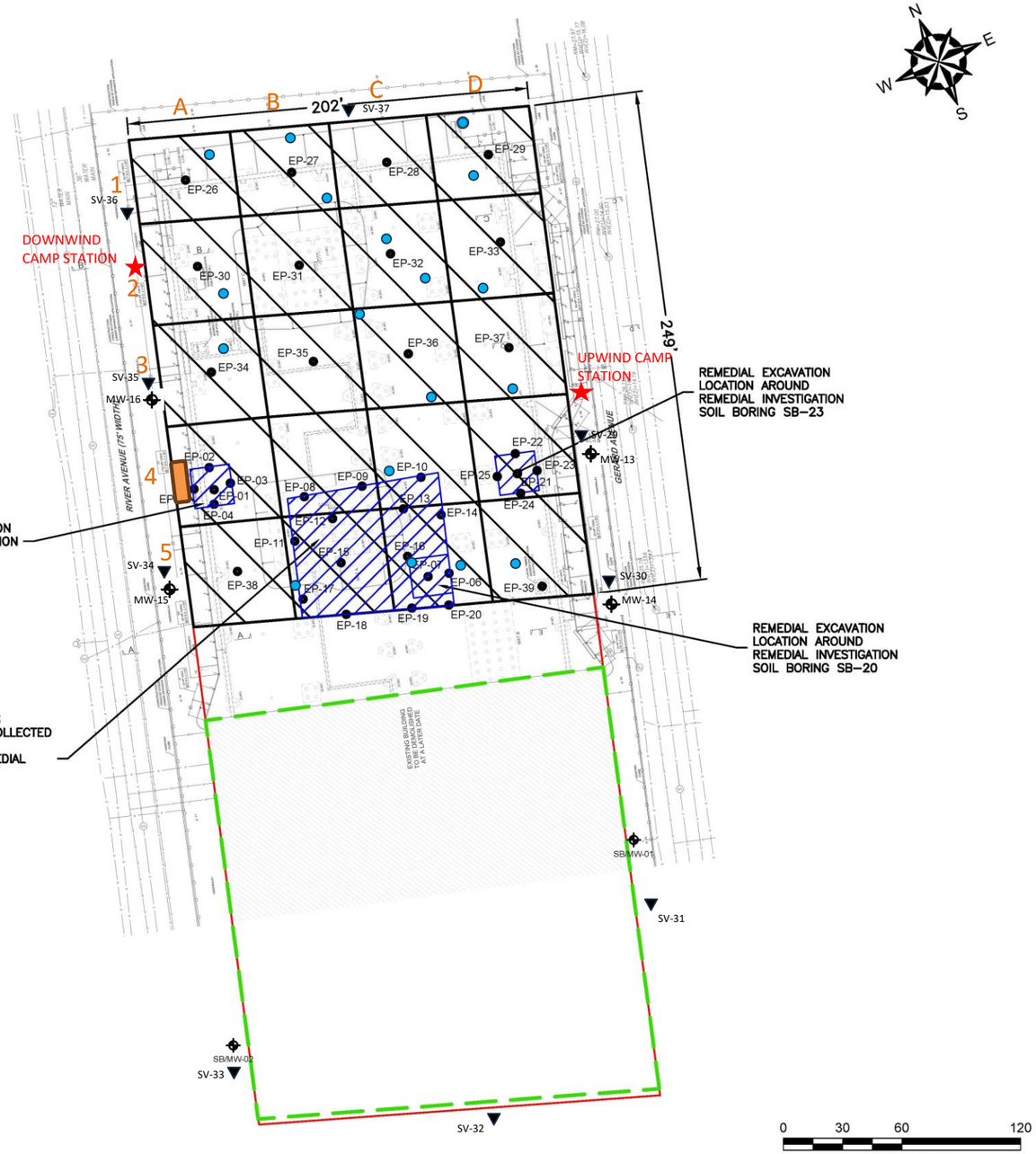
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	21,967.00
Previous	192,362.10
Total	**214,329.10**

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: South	Photo No. 2	Direction Photo Taken Northwest
Description: J&A backfilling excavated area in grid C2 with gas permeable aggregates.		**Description:** J&A dewatering from well located in grid B1.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No. 4**	**Direction Photo Taken** Southwest
Description: Excavated area backfilled with gas permeable aggregate in Grids A1, A2, B2 and C2.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 20, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

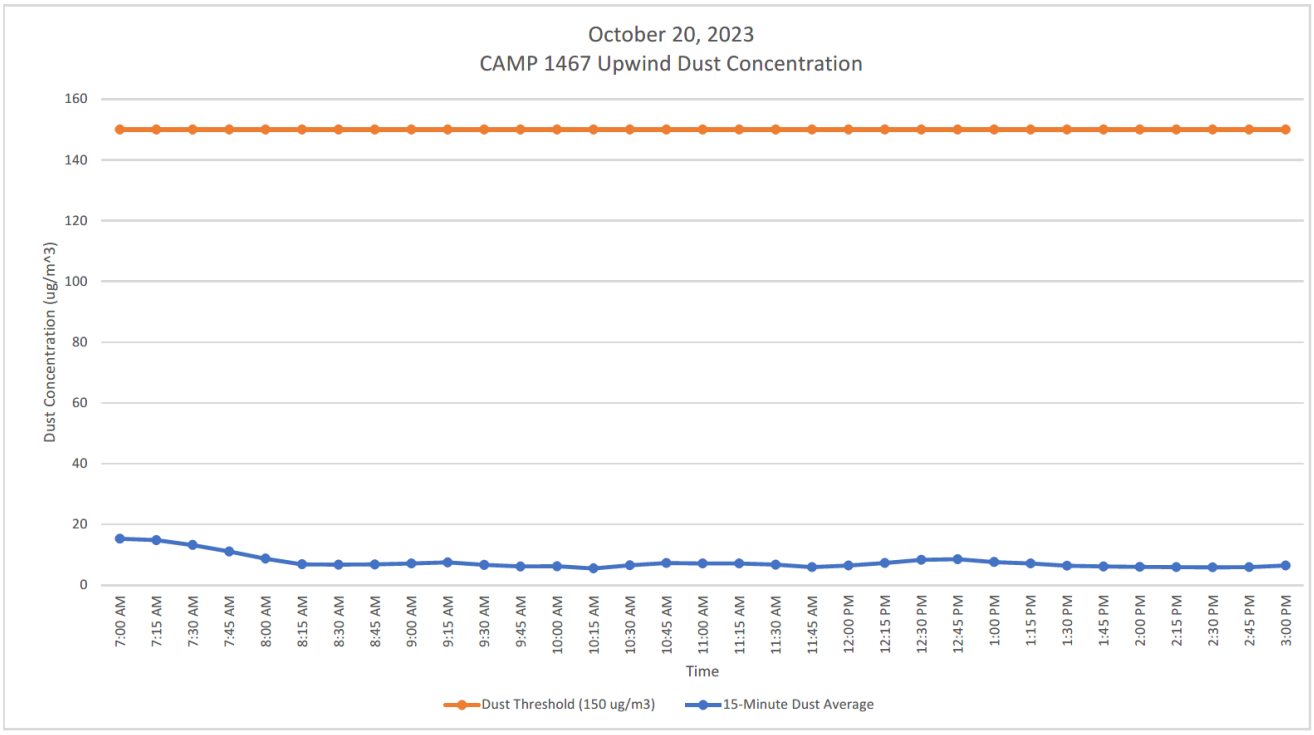
PID 1: 0.0
PID 2: 0.0

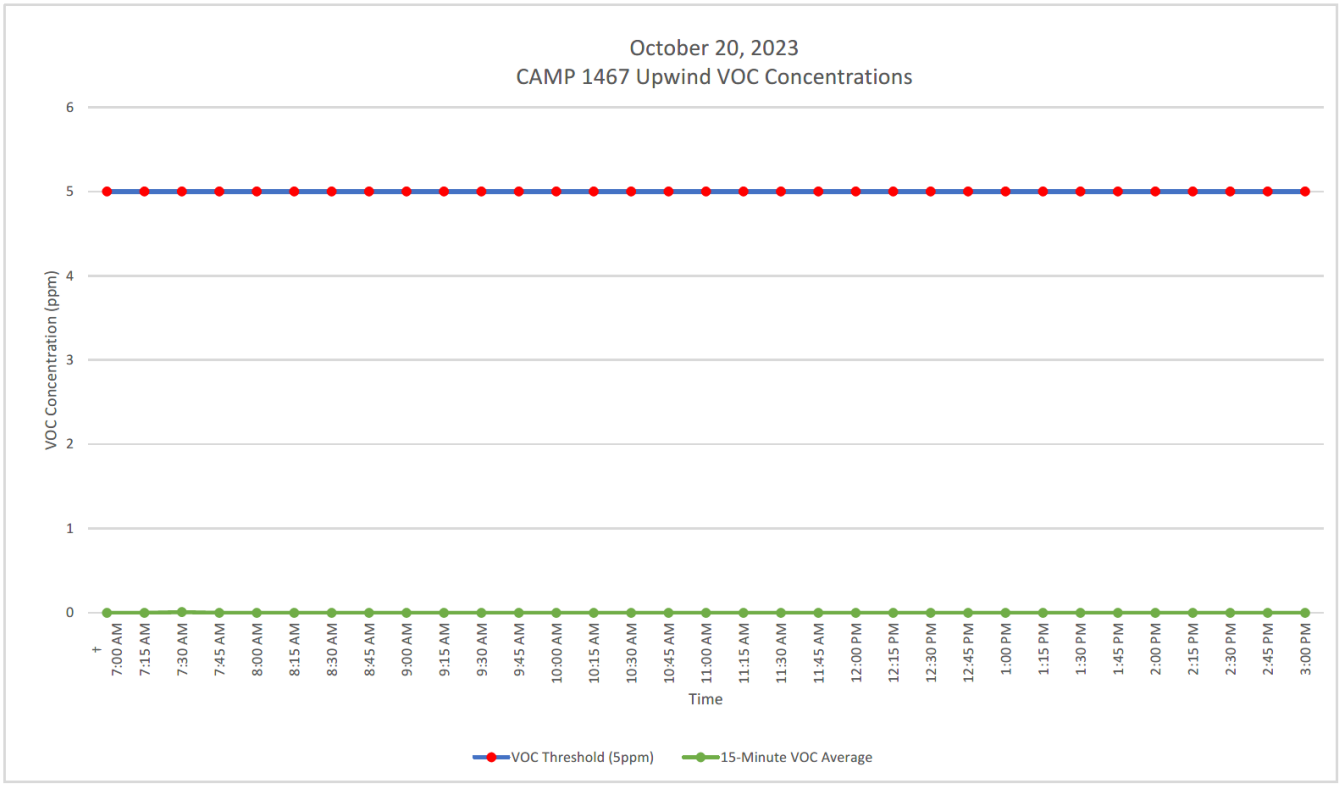
Data Ram 1: 15.34
Data Ram 2: 8.44

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023

FILE NO: 41.0163097.00

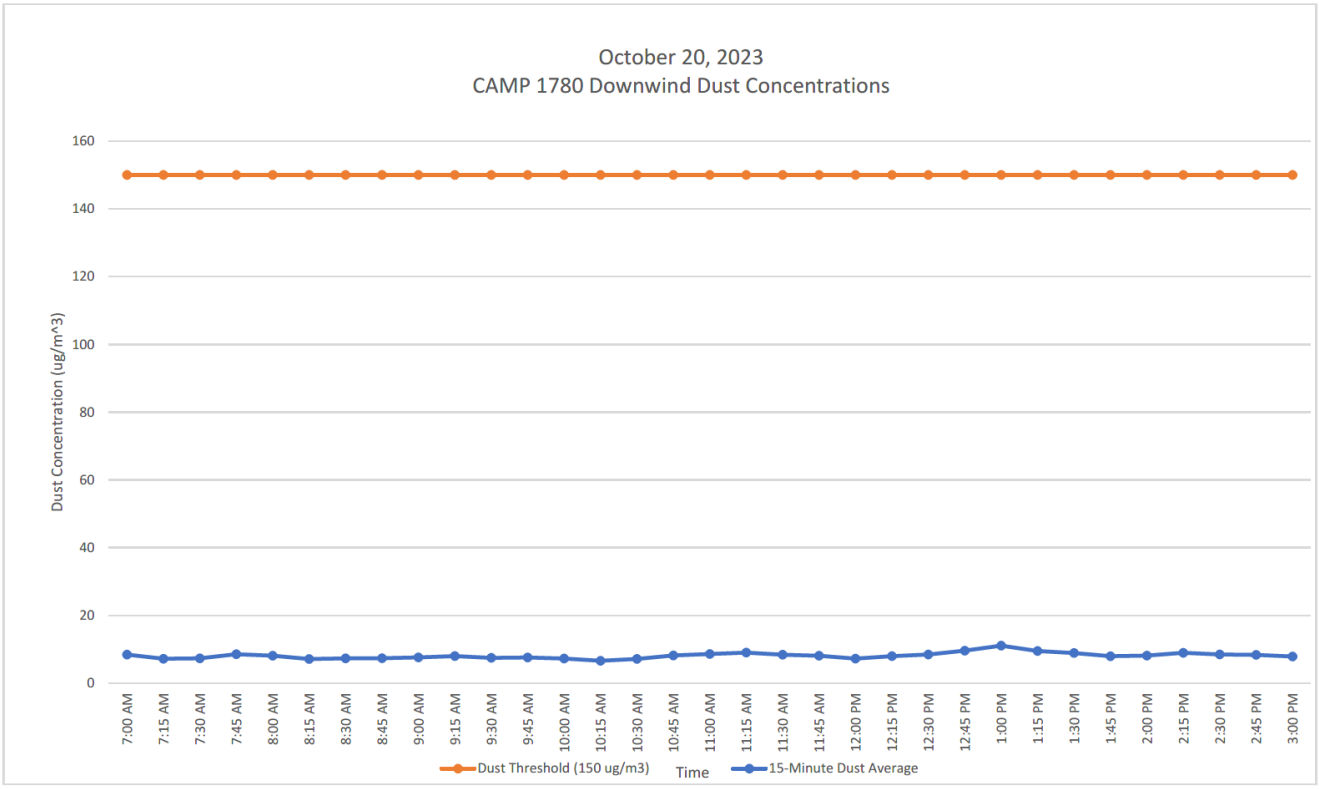


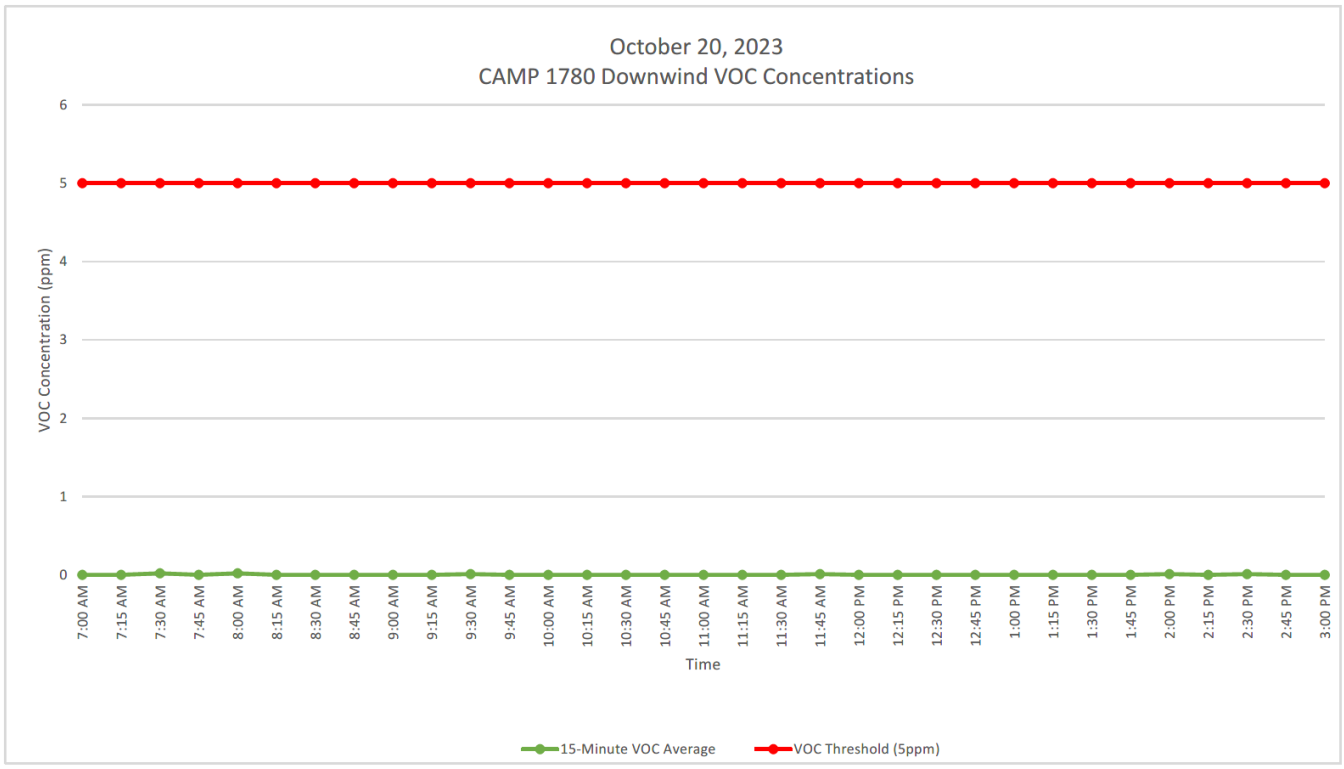


GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	7	181.14	10	259.70
TOTAL	**3**	**78.56**	**7**	**181.14**	**10**	**259.70**

`

GZA DAILY FIELD SUMMARY 65

DATE: 10/23/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	54.42°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	38.54°F
		MAX WIND SPEED	21 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, October 23, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 65

DATE: 10/23/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 10/23/2023

Work Location (Attachment A): Grids B1, B2, B3, B4, C3, C5, D4, and D5.

1. Delivery of steel formwork by Doka, stored in grid B2. J&A started installing steel formwork in grid B2.
2. J&A started excavation in the northeastern portion of grid B2 to the required elevation for future installation of formwork, stockpiling in grid B1.
3. J&A poured concrete and installed rebar cages in piles in grids B2, B4, C5, D4, and D5.
4. J&A constructed timber formwork and stored in grid D4.
5. J&A installed a new dewatering well in grid B2.
6. J&A performed dewatering in grids B1, B2, B3, and C3. A total of 44,471.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- End-point sample EP-31 from grid B2 at 10-feet below ground surface (bgs).

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 1.59 ug/m^3
High Conditions – PID: 2.60 ppm, Particulates: 5.80 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

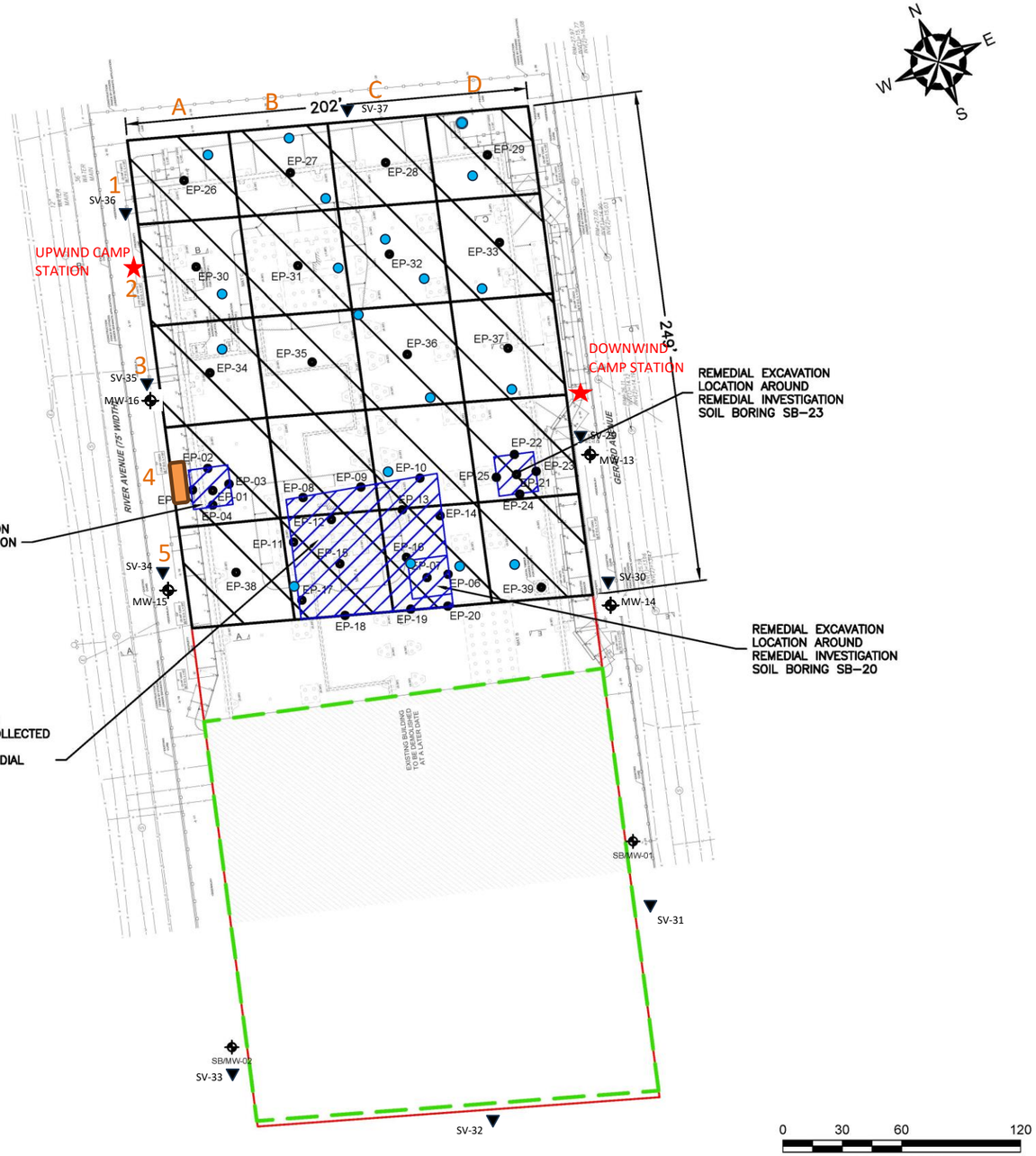
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	44,471.00
Previous	214,329.10
Total	**258,800.10**

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** North
Description: Formwork installation in grid B2.		**Description:** J&A dewatering from wells located in grids B2 and B3.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No.** 4	**Direction Photo Taken** West
Description: J&A pouring concrete and installing rebar cages in piles in grid B2.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 23, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

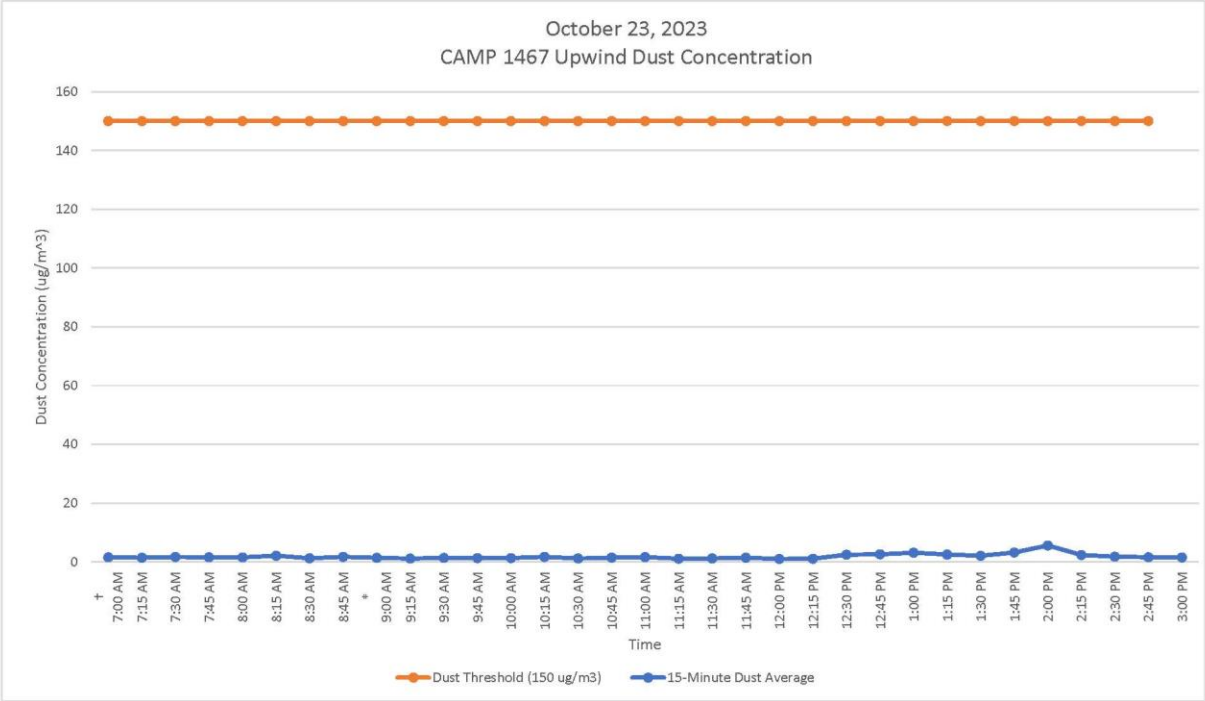
PID 1: 0.0
PID 2: 0.0

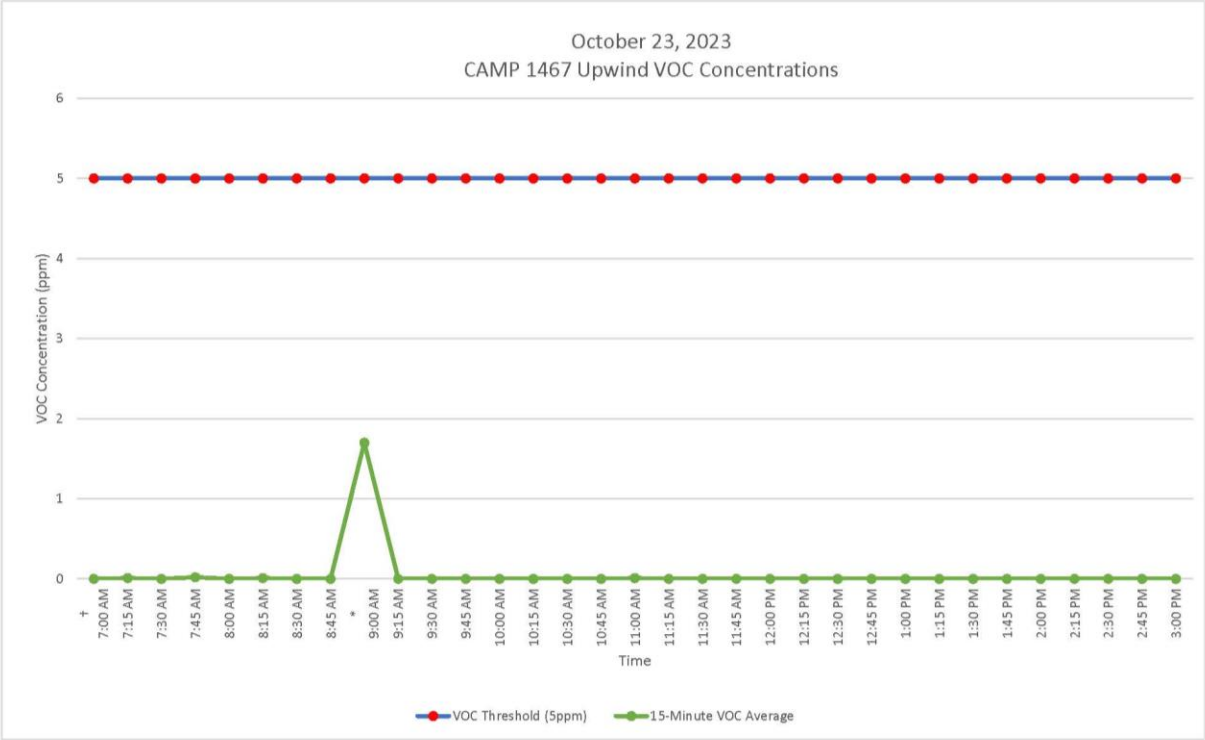
Data Ram 1: 1.59
Data Ram 2: 0.99

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023

FILE NO: 41.0163097.00

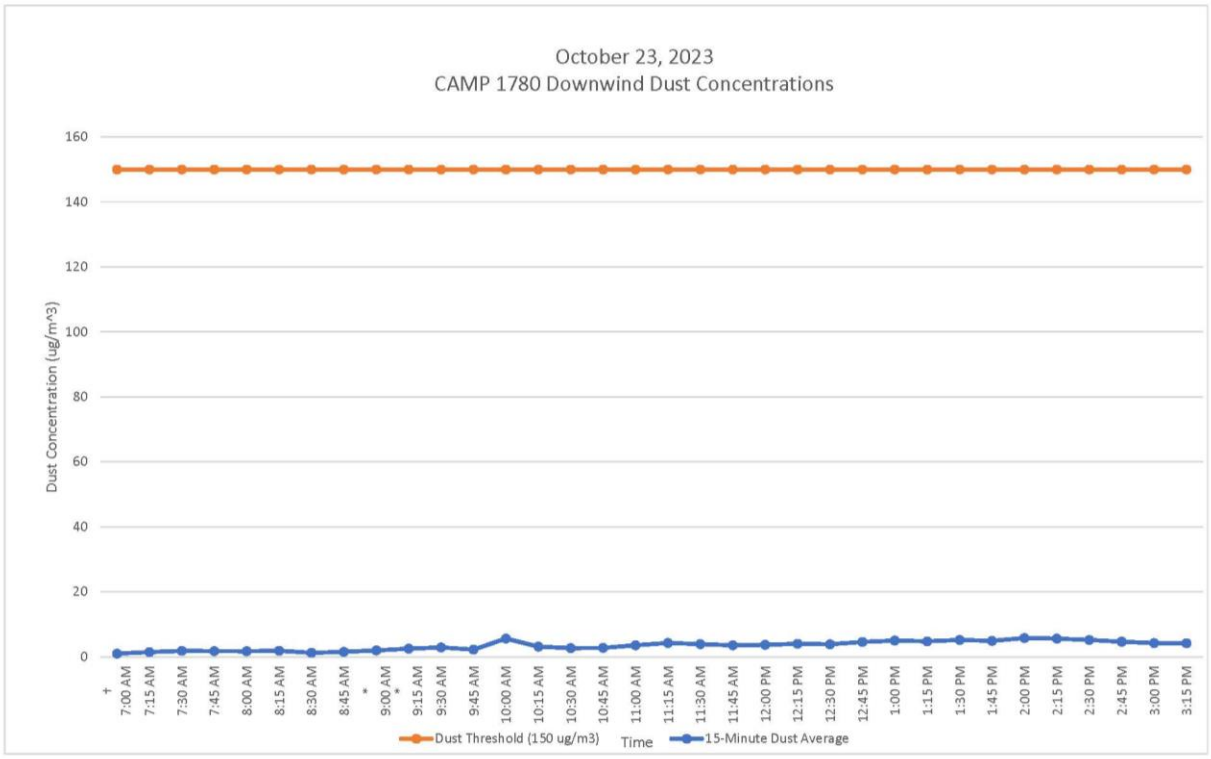


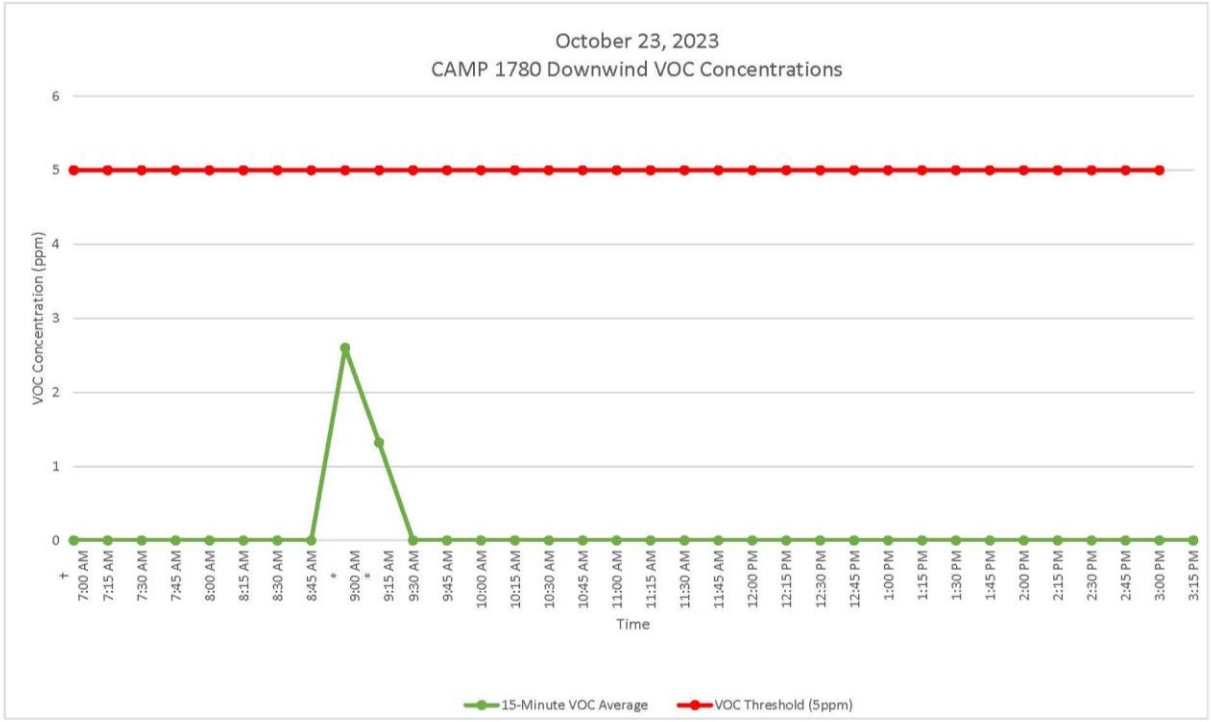


GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 63

DATE: 10/19/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	7	181.14	10	259.70
TOTAL	**3**	**78.56**	**7**	**181.14**	**10**	**259.70**

`

GZA DAILY FIELD SUMMARY 66

DATE: 10/24/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	57.17°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	43.00°F
		MAX WIND SPEED	13 mph from SSE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, October 24, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 66

DATE: 10/24/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 10/24/2023

Work Location (Attachment A): Grids B1, B2, B3, C2, C3, D2, D3, and D4.

1. J&A continued excavation in the northeastern portion of grid B2 to the required elevation for installation of formwork, stockpiling in grids B1, C2, and C3. J&A placed formwork and spread gas permeable aggregates within the formwork.
2. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in pile cap in grid B2. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps.
3. J&A performed dewatering in grids B1, B2, B3, and C3. A total of 54,106.00 gallons of groundwater was generated and treated for the day.
4. J&A constructed timber formwork and stored in grid D4.
5. Delivery of rebar, stored in grids D2 and D3.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.01 ppm, Particulates: 6.96 ug/m^3
High Conditions – PID: 0.04 ppm, Particulates: 10.89 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 66

DATE: 10/24/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

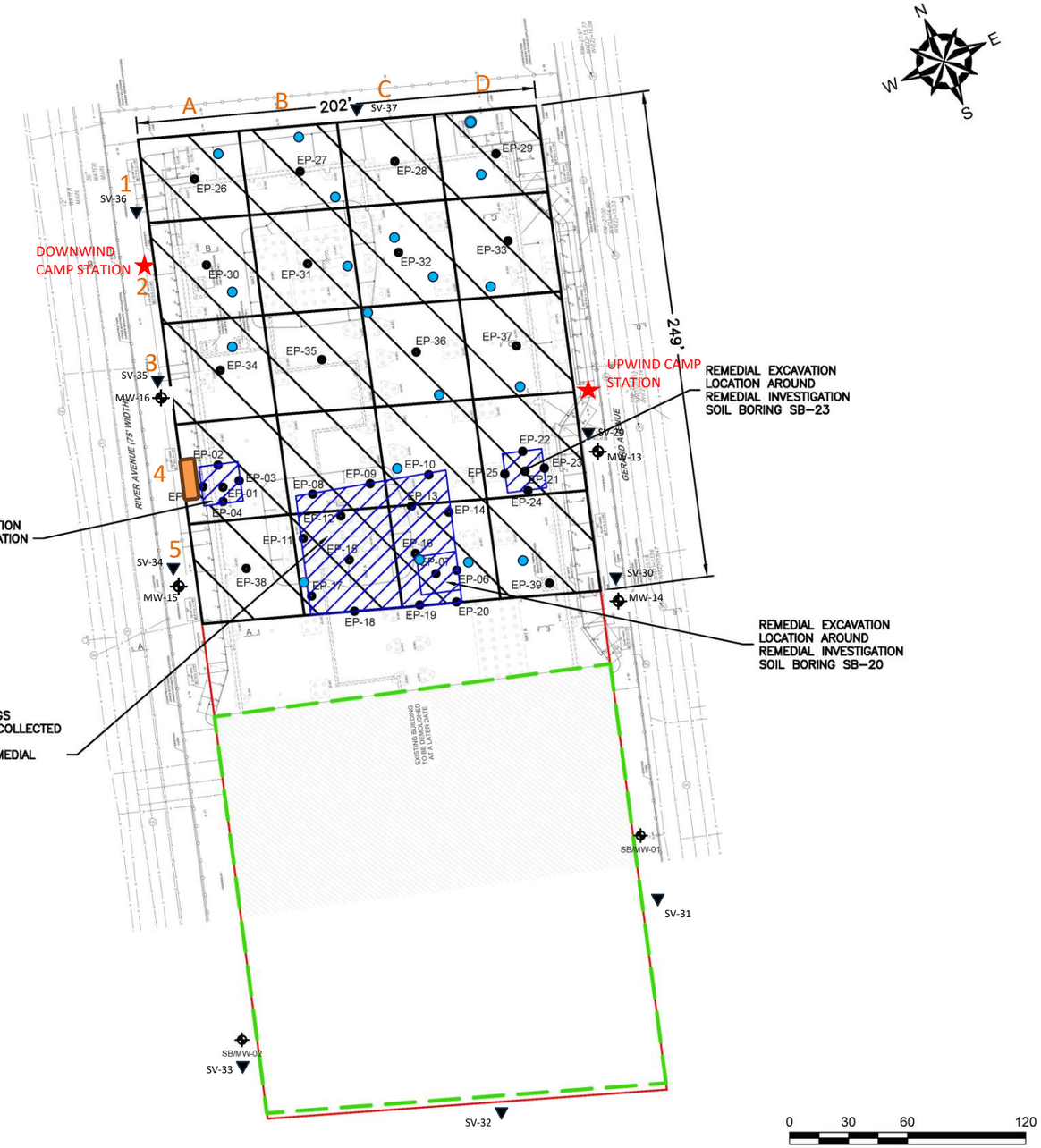
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	54,106.00
Previous	258,800.10
Total	**312,906.10**

GZA DAILY FIELD SUMMARY 66

DATE: 10/24/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

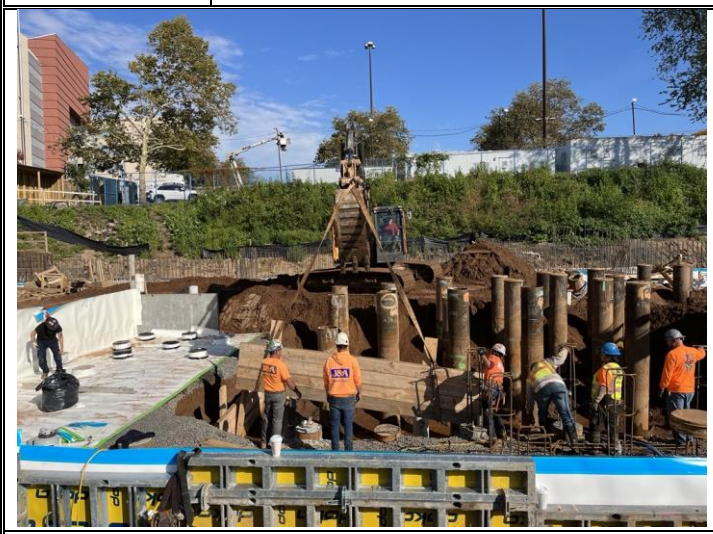
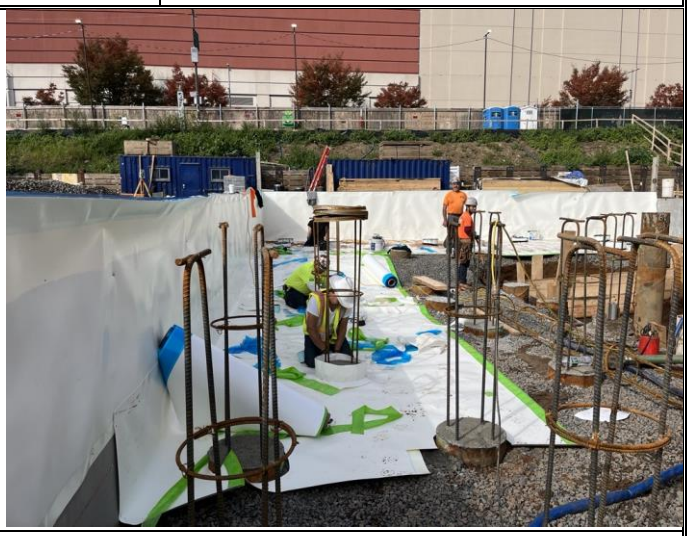
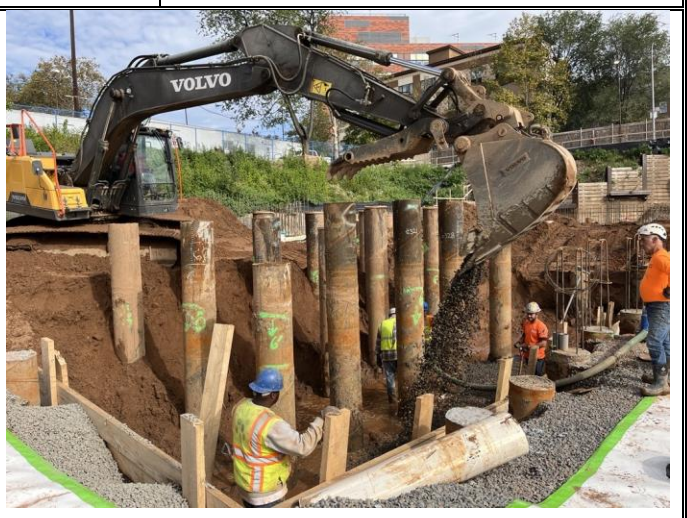
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 66

DATE: 10/24/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** North	**Photo No.** 2	**Direction Photo Taken** West
			
Description: J&A installing formwork in grid B2.		**Description:** Crown installing PREPRUFE 300R Plus waterproofing/vapor barrier membrane in grid B2.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No.** 4	**Direction Photo Taken** Northeast
			
Description: Crown sealing waterproofing/vapor barrier membrane penetrations around piles to prevent gaps.		**Description:** J&A backfilling excavated area in grid B2 with gas permeable aggregates.	

GZA DAILY FIELD SUMMARY 66

DATE: 10/24/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 24, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

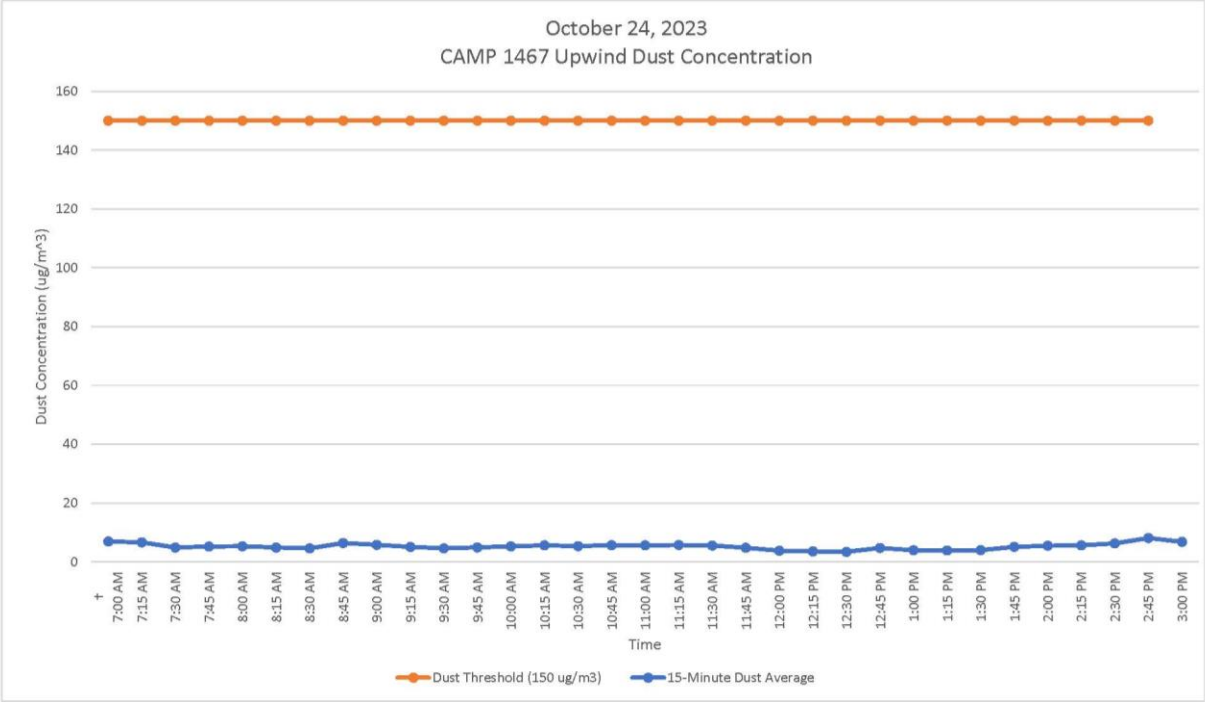
Background Readings:
PID 1: 0.0
PID 2: 0.0

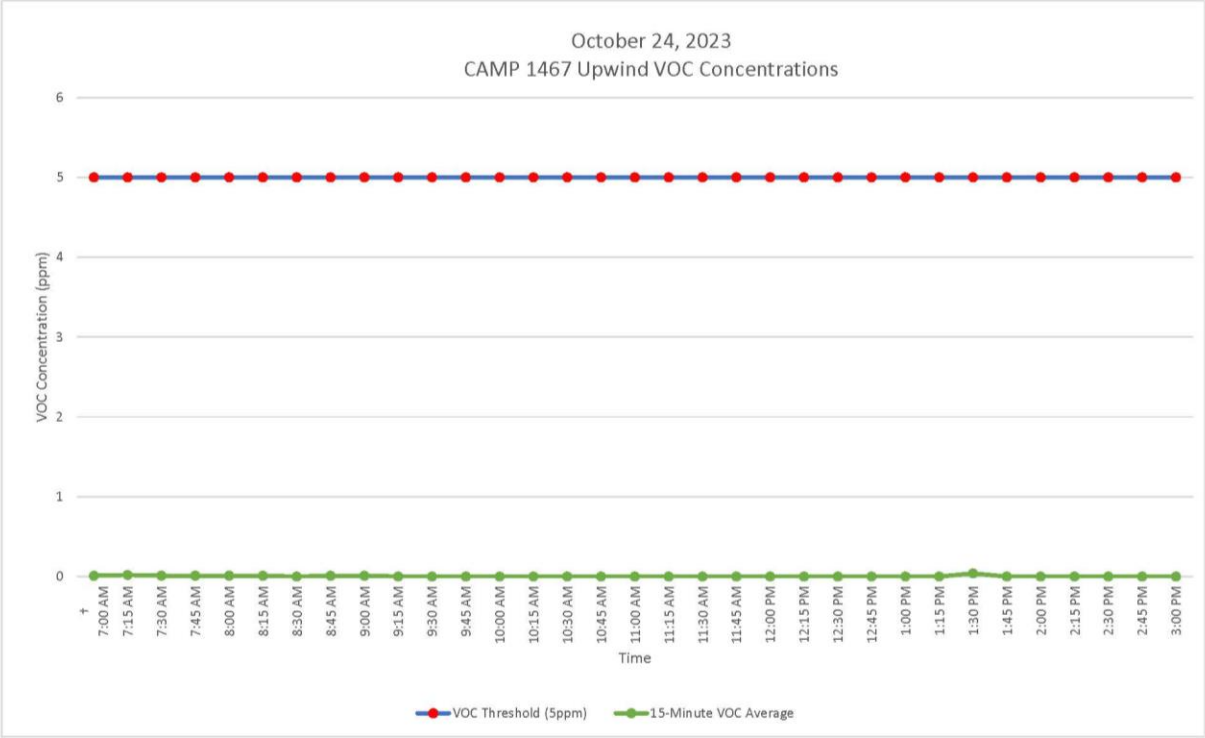
Data Ram 1: 6.96
Data Ram 2: 6.06

GZA DAILY FIELD SUMMARY 66

DATE: 10/24/2023

FILE NO: 41.0163097.00

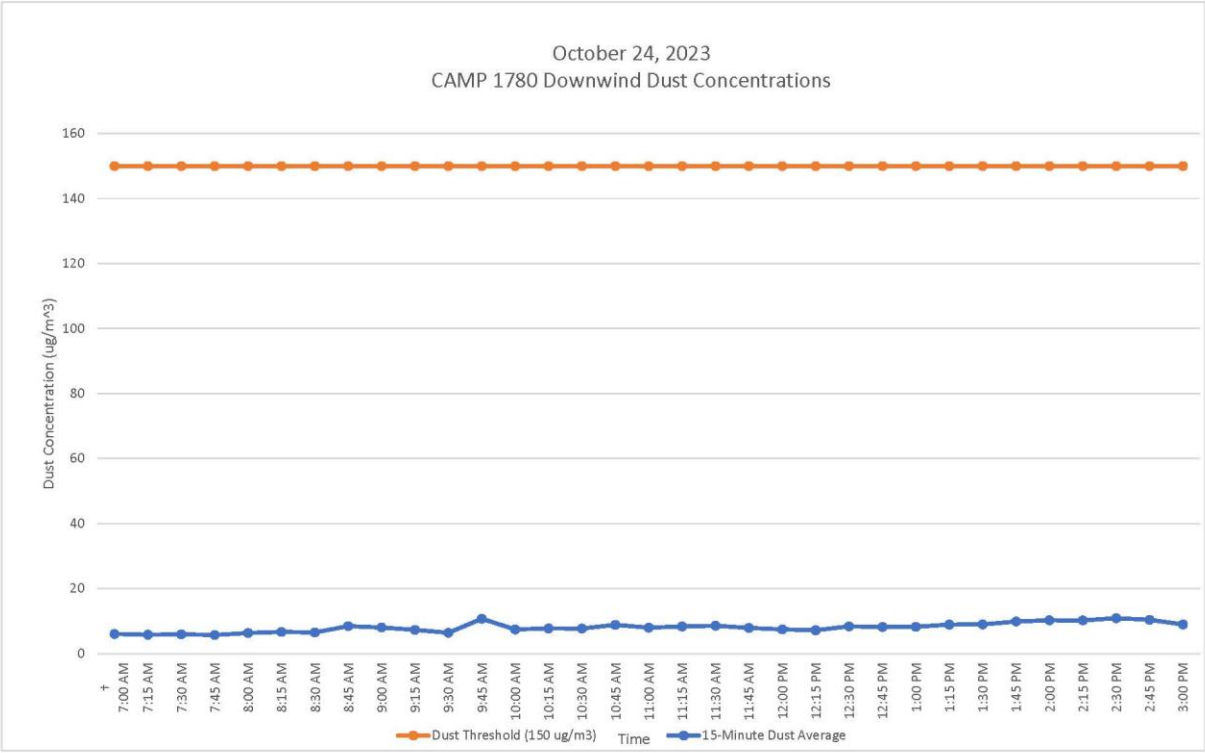


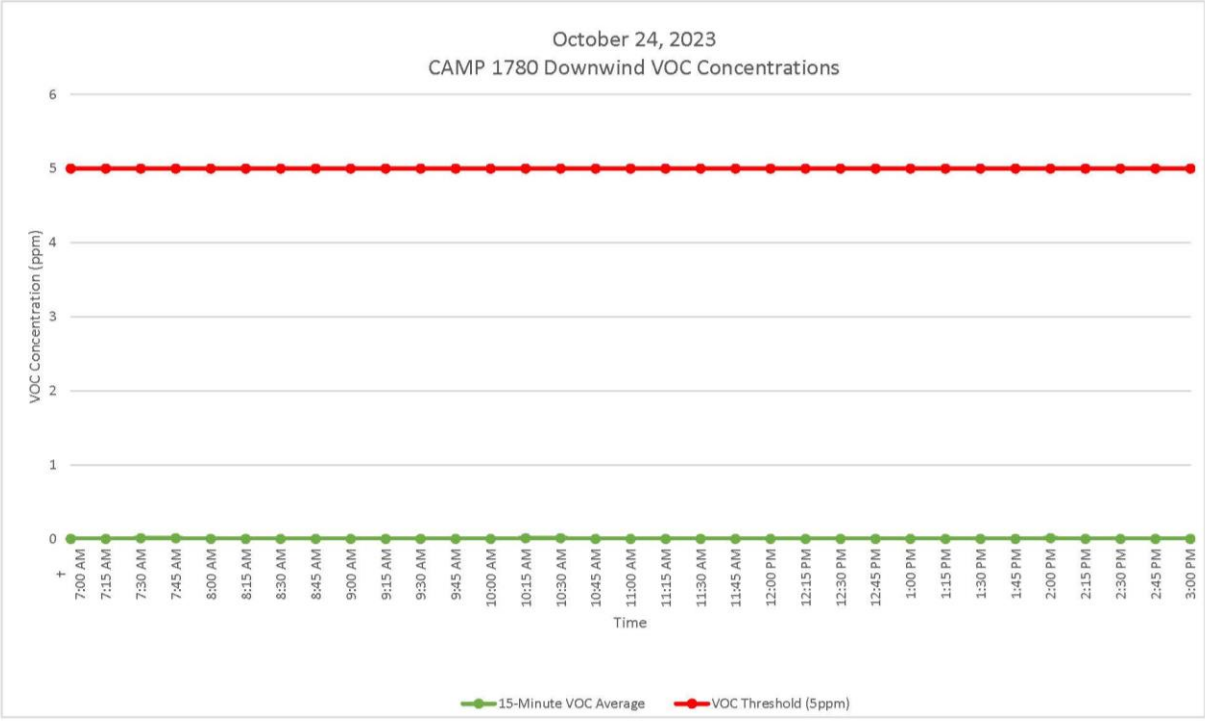


GZA DAILY FIELD SUMMARY 66

DATE: 10/24/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 66

DATE: 10/24/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 66

DATE: 10/24/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	7	181.14	10	259.70
TOTAL	**3**	**78.56**	**7**	**181.14**	**10**	**259.70**

`

GZA DAILY FIELD SUMMARY 67

DATE: 10/25/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	63.75°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	44.54°F
		MAX WIND SPEED	12 mph from SSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, October 25, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**SOM**	
	Kirsten Youngren	Sabrina Shen
	DBI Projects	
	Jon Negron	
	J&A Concrete	
	Antonio Martins	Paul Cunha

GZA DAILY FIELD SUMMARY 67

DATE: 10/25/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 10/25/2023

Work Location (Attachment A): Grids B1, B2, B3, C2, C3, and D4.

1. Three truckloads of gas permeable aggregates from Tilcon New York, Inc. were delivered by Shamrock Materials, LLC and stockpiled in grid B3.
2. J&A installed two new dewatering wells in grid B2.
3. J&A continued excavation in the northeastern portion of grid B2 to the required elevation for installation of formwork, stockpiling in grids B1, C2, and C3. J&A placed formwork and spread gas permeable aggregates within the formwork.
4. J&A constructed timber formwork and stored in grid D4.
5. J&A performed dewatering in grids B1, B2, B3, and C3. A total of 47,290.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.02 ppm, Particulates: 14.66 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 59.66 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Three truckloads (77.93 tons) of gas permeable aggregates from Tilcon New York, Inc. were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 67

DATE: 10/25/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

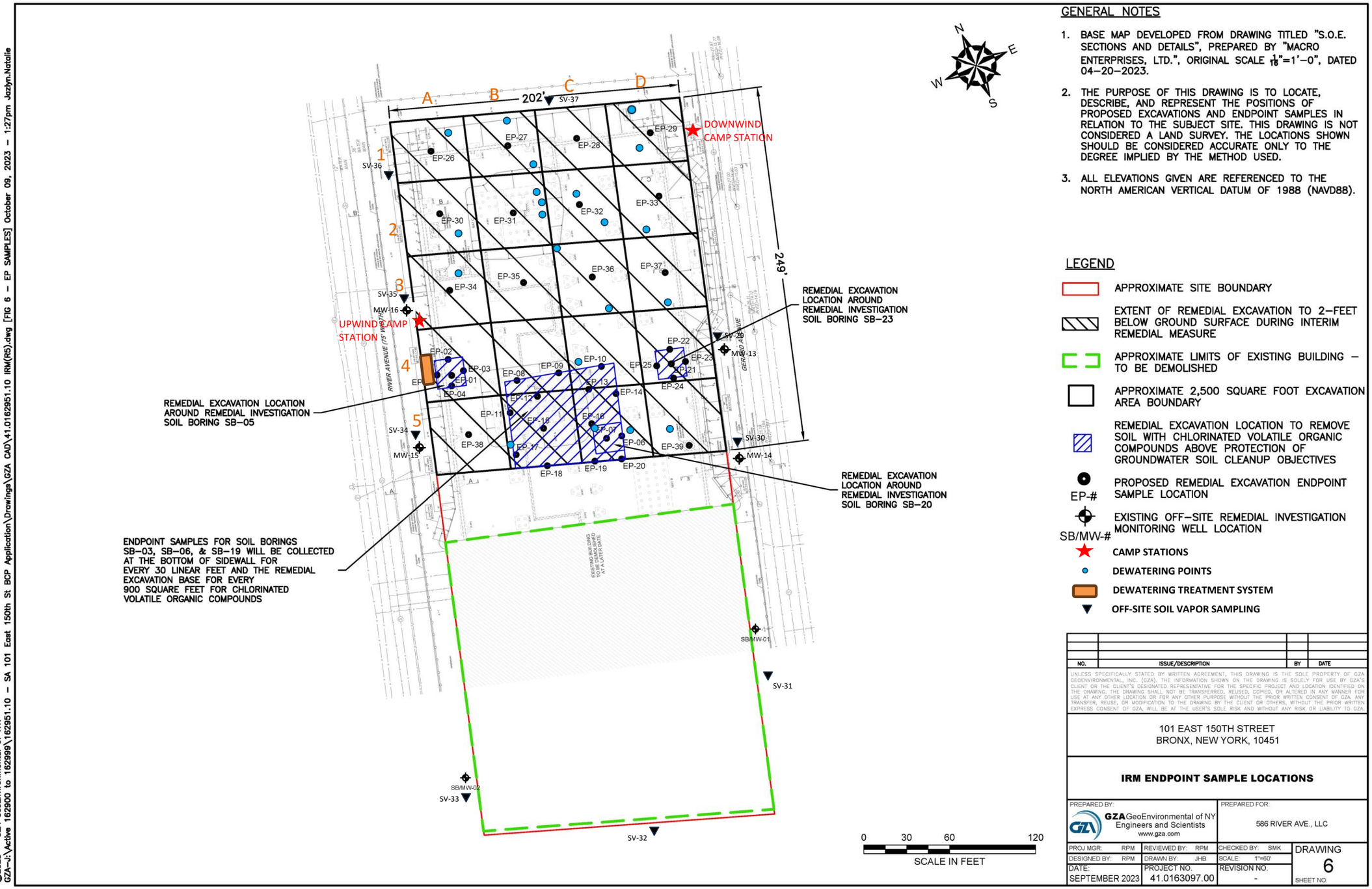
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	47,290.00
Previous	312,906.10
Total	**360,196.10**

GZA DAILY FIELD SUMMARY 67

DATE: 10/25/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

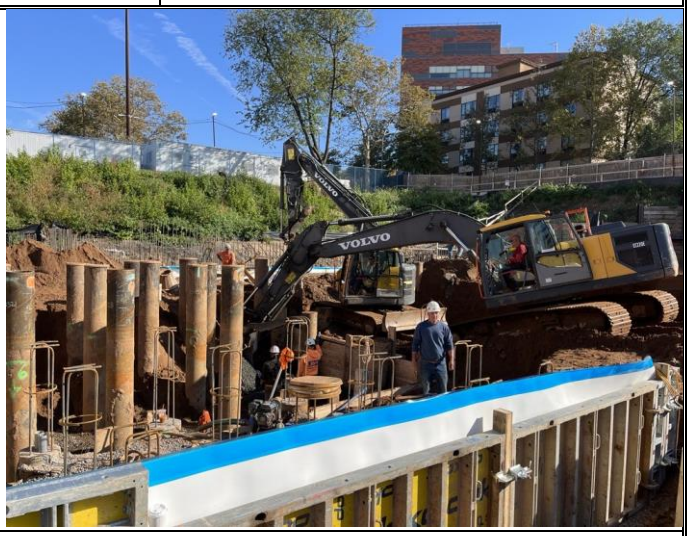
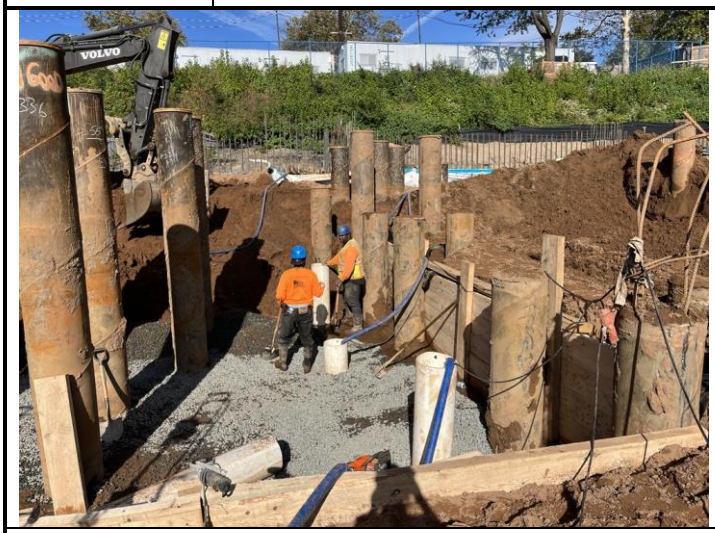
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 67

DATE: 10/25/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** Northeast
			
Description: Delivery of gas permeable aggregates from Tilcon in grid B3.		**Description:** J&A backfilling excavated area in grid B2 with gas permeable aggregates.	
Photo No. 3	**Direction Photo Taken:** North	**Photo No.** 4	**Direction Photo Taken** Northwest
			
Description: J&A dewatering from wells located in grid B2.		**Description:** Overview of the northern portion of Site at the end of day.	

GZA DAILY FIELD SUMMARY 67

DATE: 10/25/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 25, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

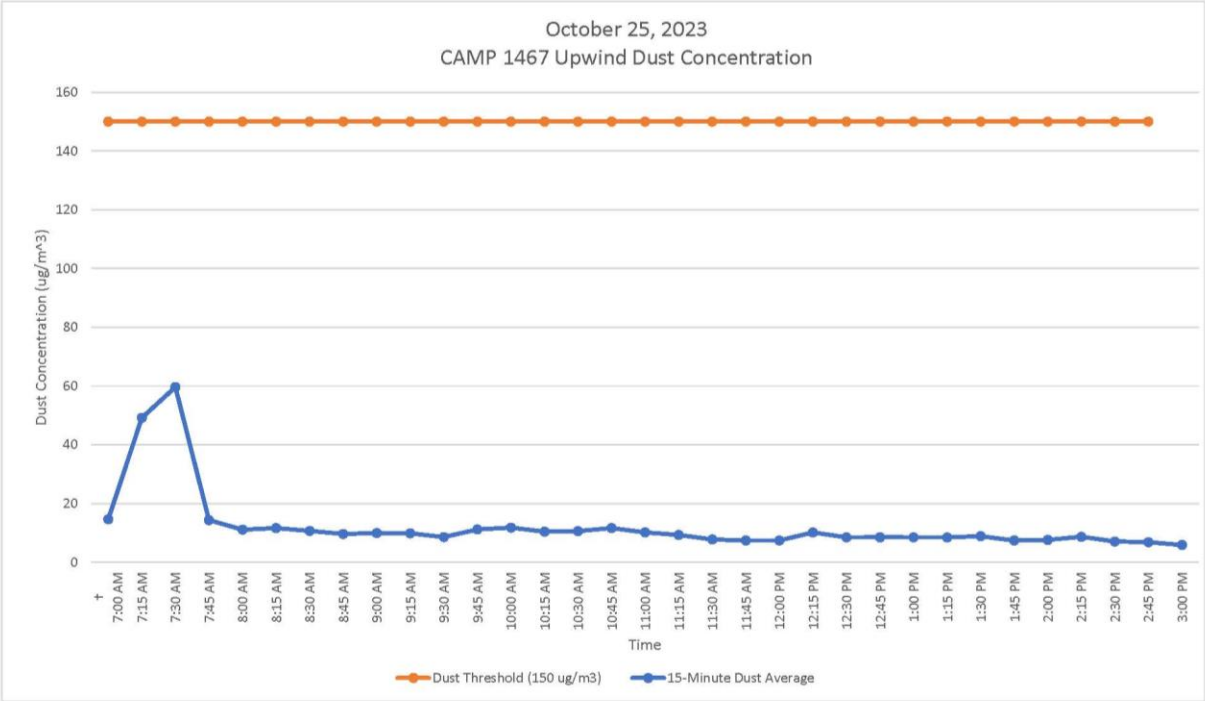
PID 1: 0.0
PID 2: 0.0

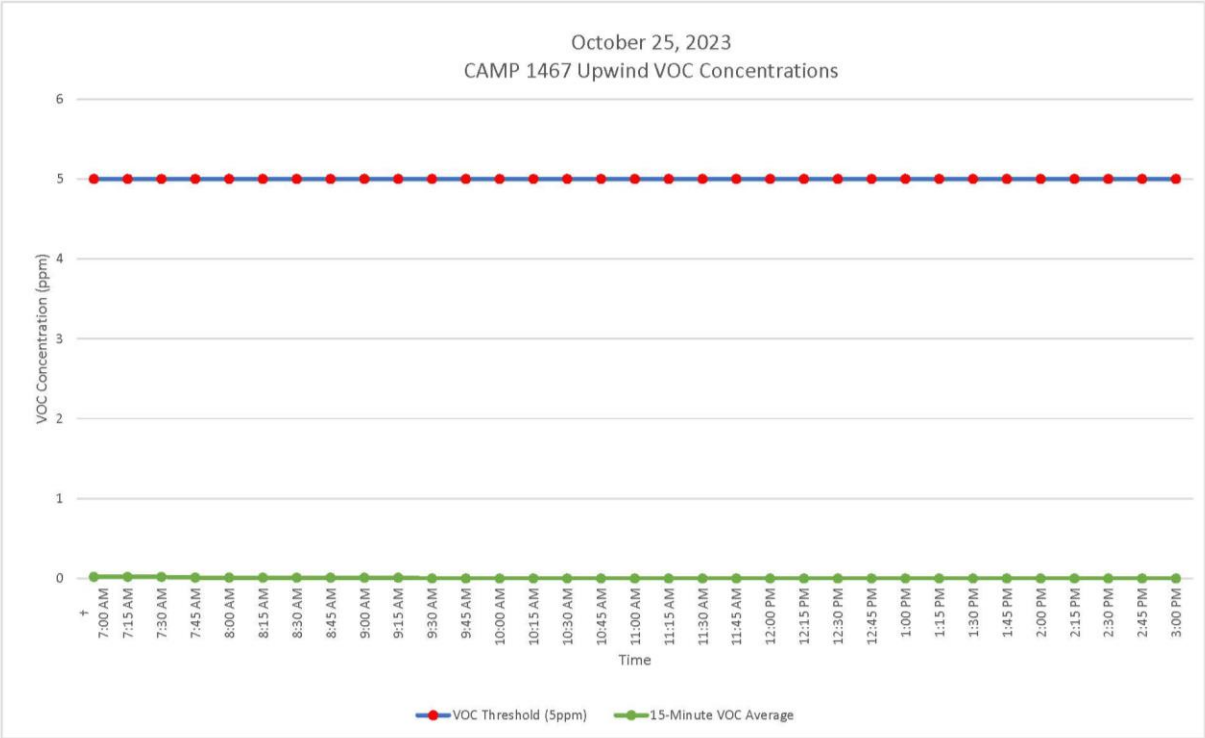
Data Ram 1: 14.66
Data Ram 2: 10.51

GZA DAILY FIELD SUMMARY 67

DATE: 10/25/2023

FILE NO: 41.0163097.00

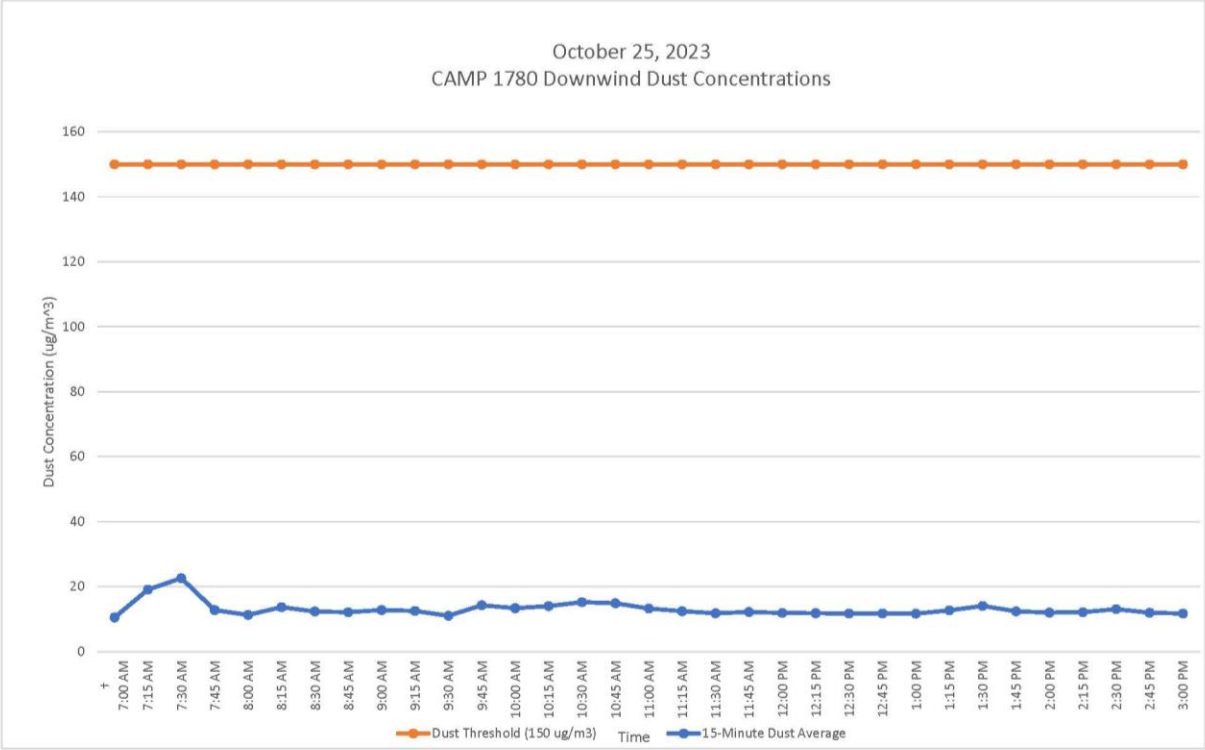


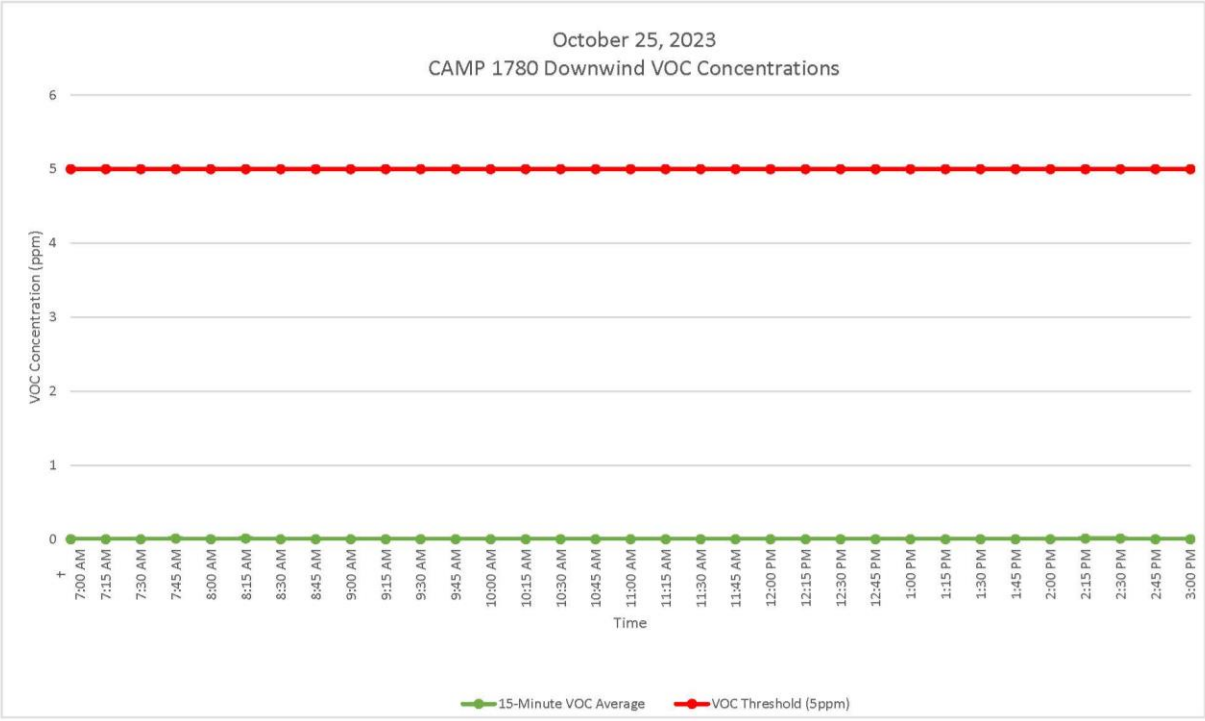


GZA DAILY FIELD SUMMARY 67

DATE: 10/25/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 67

DATE: 10/25/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**403**	**8,060**	**1**	**20**	**477**	**9,540**

GZA DAILY FIELD SUMMARY 67

DATE: 10/25/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	3	77.93	3	77.93
Previous	3	78.56	7	181.14	10	259.70
TOTAL	**3**	**78.56**	**10**	**259.07**	**13**	**337.63**

`

GZA DAILY FIELD SUMMARY 68

DATE: 10/26/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	65.93°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	47.29°F
		MAX WIND SPEED	8 mph from WSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, October 26, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
	SRM Concrete	
	MRCE	
	AEL	
SITE VISITORS:	**J&A Concrete**	
	Antonio Martins	

GZA DAILY FIELD SUMMARY 68

DATE: 10/26/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 10/26/2023

Work Location (Attachment A): Grids A4, B1, B2, B3, C3, and D4.

1. J&A placed formwork and spread gas permeable aggregates within the formwork in grid B2.
2. Loadout of stockpiled soil from grid B2 (5-10 ft bgs). 9 truckloads of soil (approximately 180 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
3. Soil Solutions cut piles in grids A4 and B2.
4. J&A poured concrete and installed rebar cages in piles in grids A4 and B2.
5. J&A constructed timber formwork and stored in grid D4.
6. J&A performed dewatering in grids B1, B2, B3, and C3. A total of 47,290.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.01 ppm, Particulates: 11.44 ug/m^3
High Conditions – PID: 0.18 ppm, Particulates: 21.93 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 9 trucks of excavated materials were transported to Clean Earth of Carteret, NJ.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 68

DATE: 10/2/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

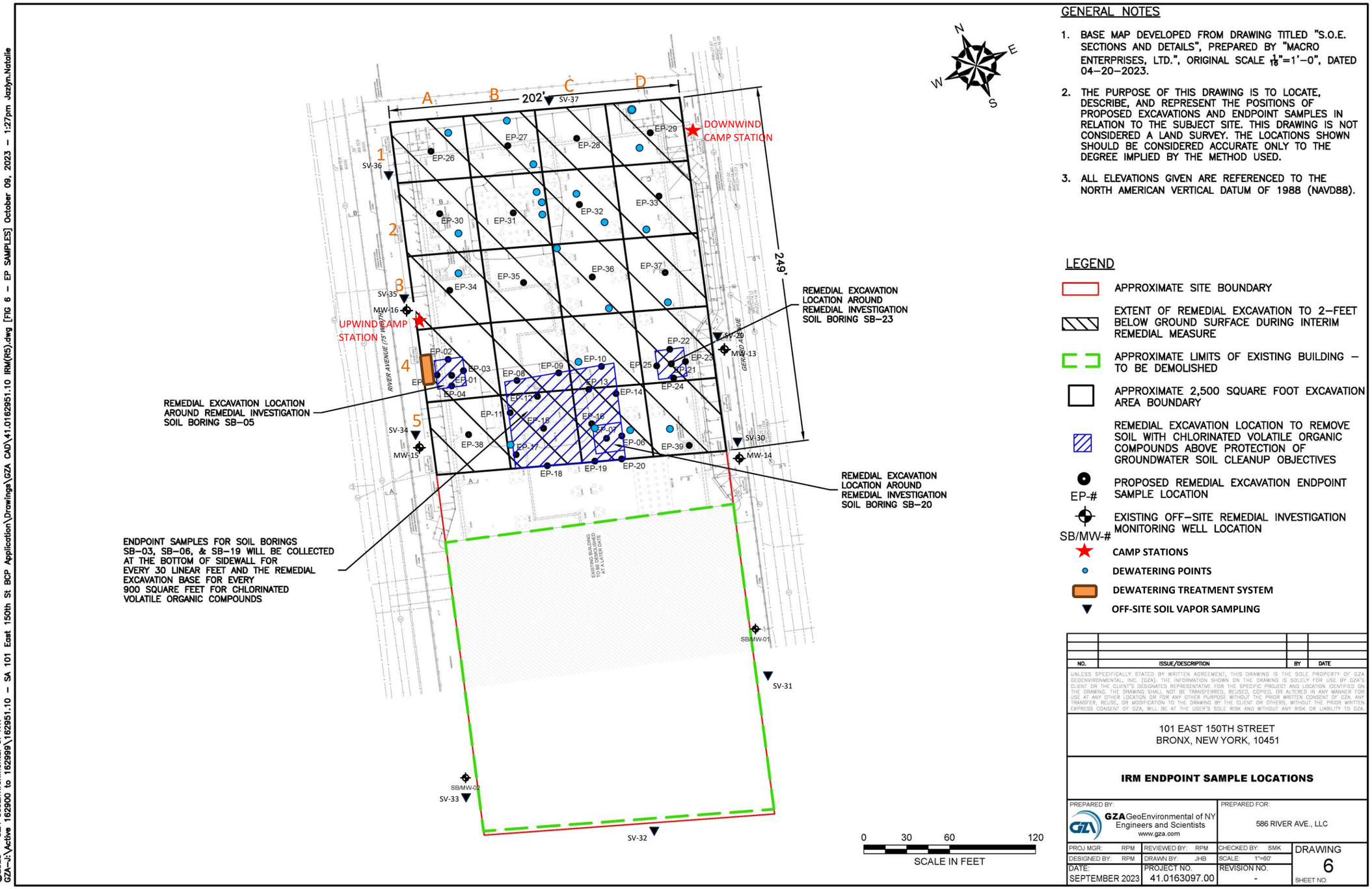
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	47,290.00
Previous	360,196.10
Total	**407,486.10**

GZA DAILY FIELD SUMMARY 68

DATE: 10/2/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 68

DATE: 10/2/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Northwest
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A removing soil and debris from Munoz truck and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** Northeast
Description: Formwork in grid B2.		**Description:** J&A pouring concrete in piles in grid B2.	

GZA DAILY FIELD SUMMARY 68

DATE: 10/2/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 26, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held: PID Model 580 SN: 592-602879; SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**	
1	☐ YES	☐ NO	1 ☐ YES	☒ NO
2	☐ YES	☐ NO	2 ☐ YES	☒ NO
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO
2	☐ YES	☒ NO
Hand Held	☒ YES	☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1	☒ Data	☒ Avg	☐ Summary	
2	☒ Data	☒ Avg	☐ Summary	

Data Rams:

1	☒ Data
2	☒ Data

Weather Station: ☐ YES

Background Readings:

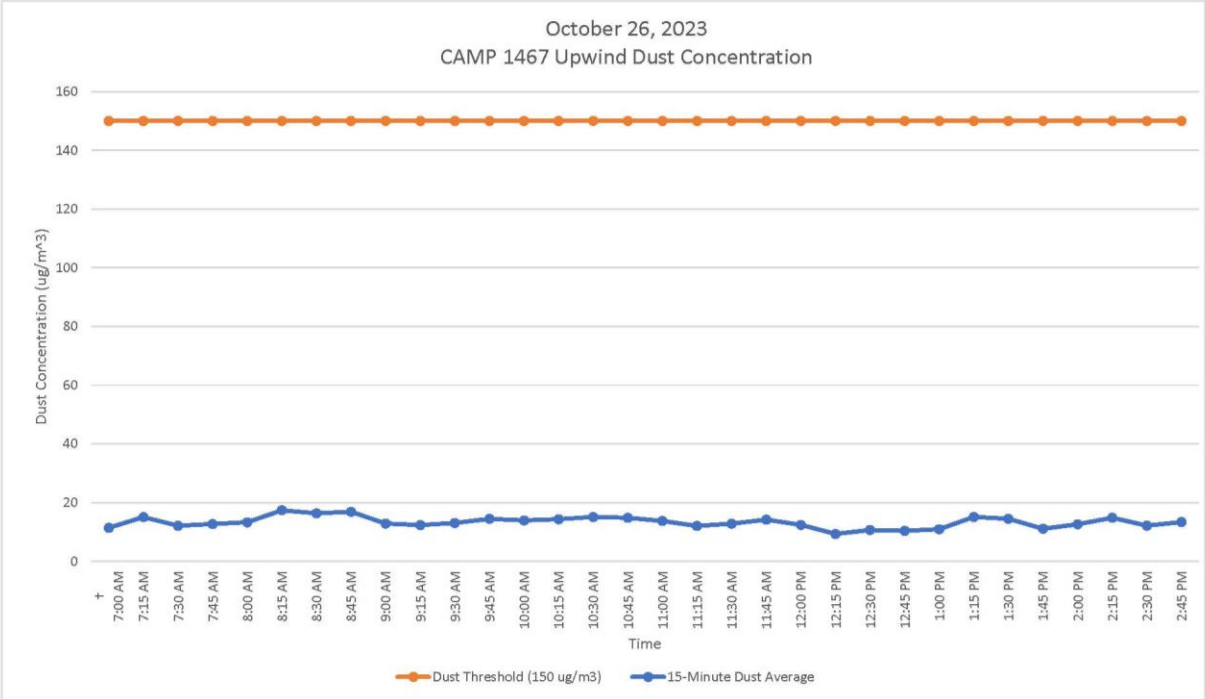
PID 1: 0.0
PID 2: 0.0

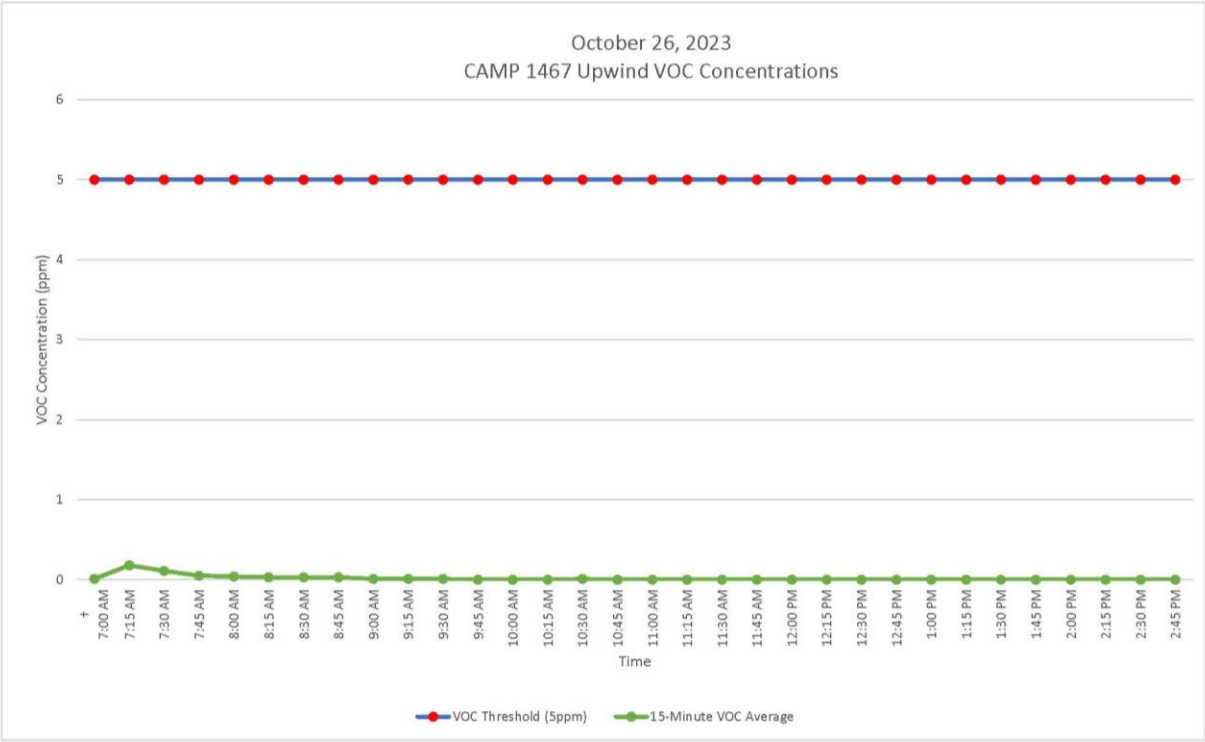
Data Ram 1: 11.44
Data Ram 2: 8.85

GZA DAILY FIELD SUMMARY 68

DATE: 10/2/2023

FILE NO: 41.0163097.00

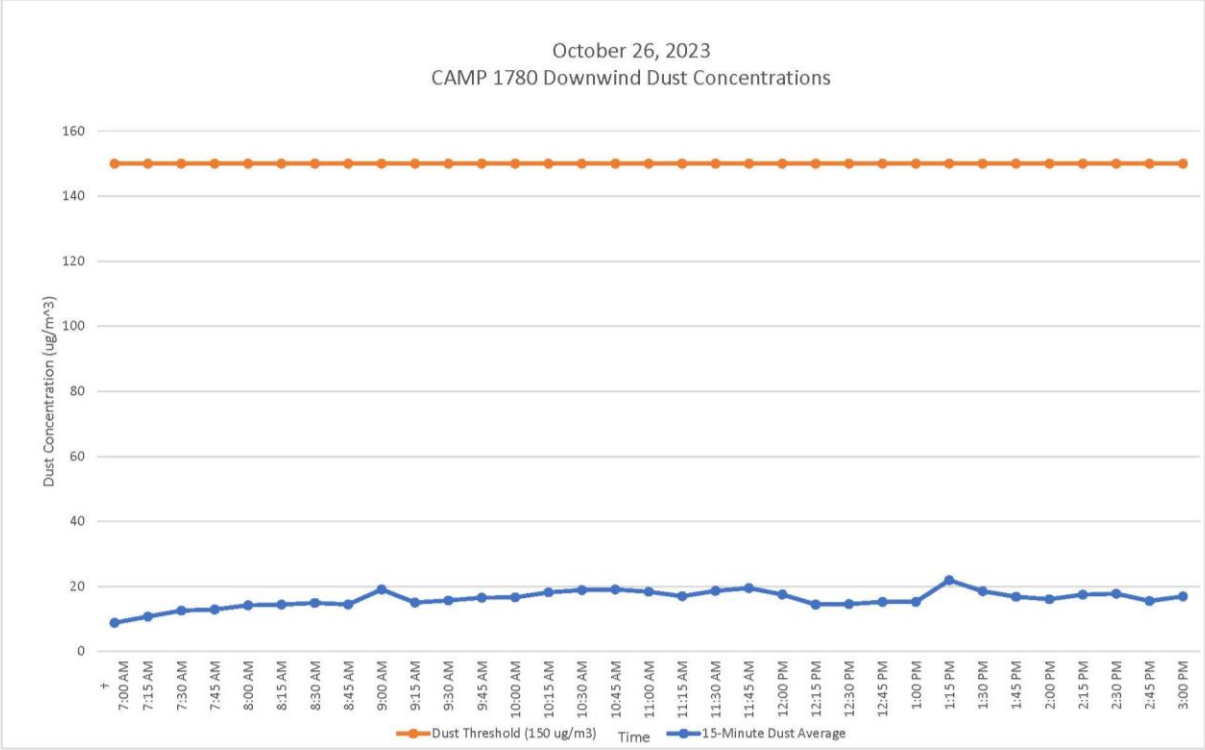


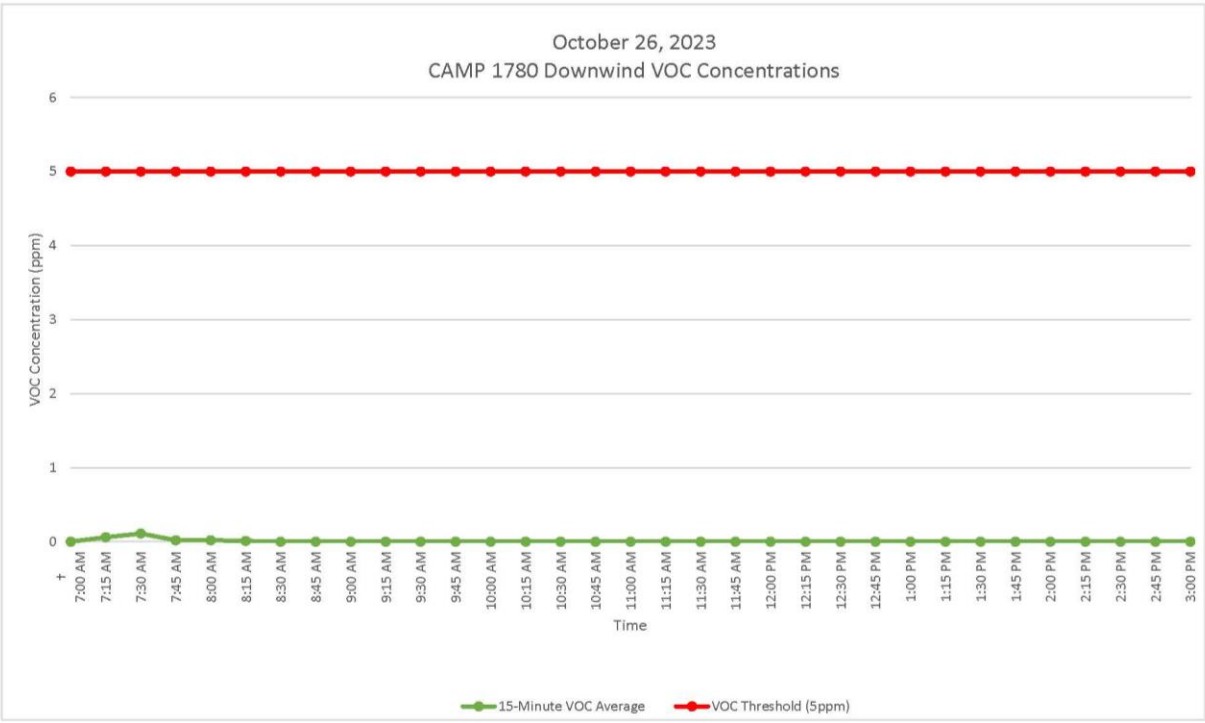


GZA DAILY FIELD SUMMARY 68

DATE: 10/2/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 68

DATE: 10/2/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	9	180	0	0	9	180
Previous	73	1,460	403	8,060	1	20	477	9,540
TOTAL	**73**	**1,460**	**412**	**8,240**	**1**	**20**	**486**	**9,720**

GZA DAILY FIELD SUMMARY 68

DATE: 10/2/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	10	259.07	13	337.63
TOTAL	**3**	**78.56**	**10**	**259.07**	**13**	**337.63**

`

GZA DAILY FIELD SUMMARY 69

DATE: 10/27/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	68.96°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	52.42°F
		MAX WIND SPEED	10 mph from SSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, October 27, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:	**GZA**	
	Stephen Kline, P.E. (Remedial Engineer)	
	J&A Concrete	
	Antonio Martins	

GZA DAILY FIELD SUMMARY 69

DATE: 10/27/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 10/27/2023

Work Location (Attachment A): Grids A1, B1, B2, B3, and C3.

1. Steel formwork was delivered by Doka and stored in grid A1.
2. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in foundation Mat C in grid B2. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps. Stephen Kline, P.E. was onsite to observe and document the vapor barrier installation.
3. J&A started rebar installation in foundation Mat C in grid B2.
4. J&A performed dewatering in grids B1, B2, B3, and C3. A total of 83,950.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.02 ppm, Particulates: 22.16 ug/m^3
High Conditions – PID: 0.03 ppm, Particulates: 17.95 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 69

DATE: 10/27/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

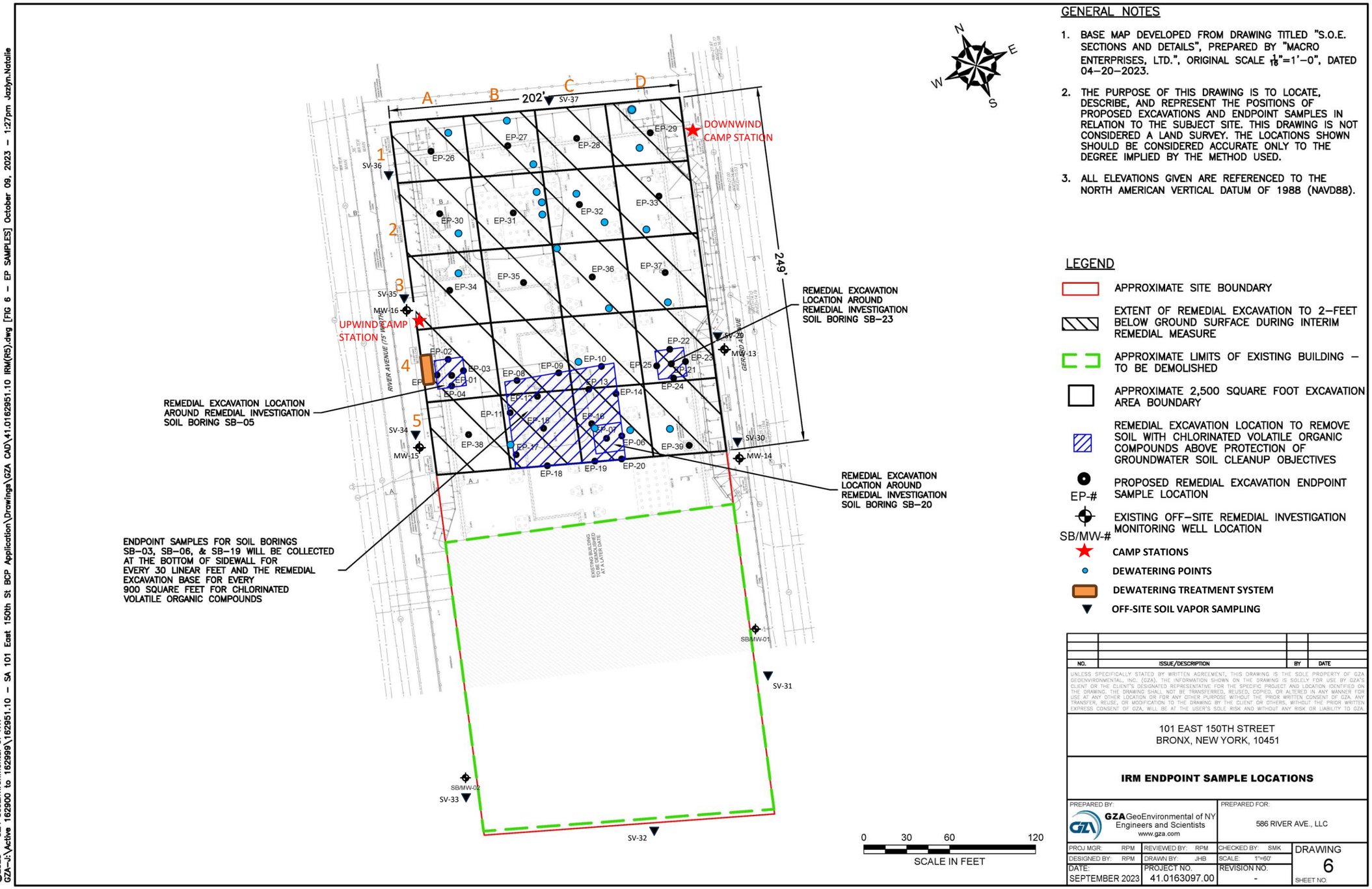
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	83,950.00
Previous	407,486.10
Total	**491,436.10**

GZA DAILY FIELD SUMMARY 69

DATE: 10/27/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

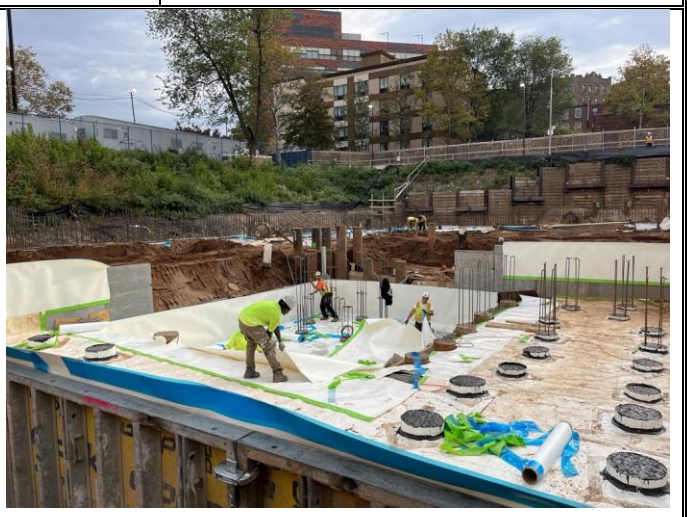
PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 69

DATE: 10/27/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northeast
			
Description: J&A installing formwork in grid B2.		**Description:** Crown installing PREPRUFE 300R Plus waterproofing/vapor barrier membrane in grid B2.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** Southeast
Description: Waterproofing/vapor barrier membrane penetrations around piles sealed to prevent gaps.		**Description:** J&A installing rebar over vapor barrier.	

GZA DAILY FIELD SUMMARY 69

DATE: 10/27/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 27, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

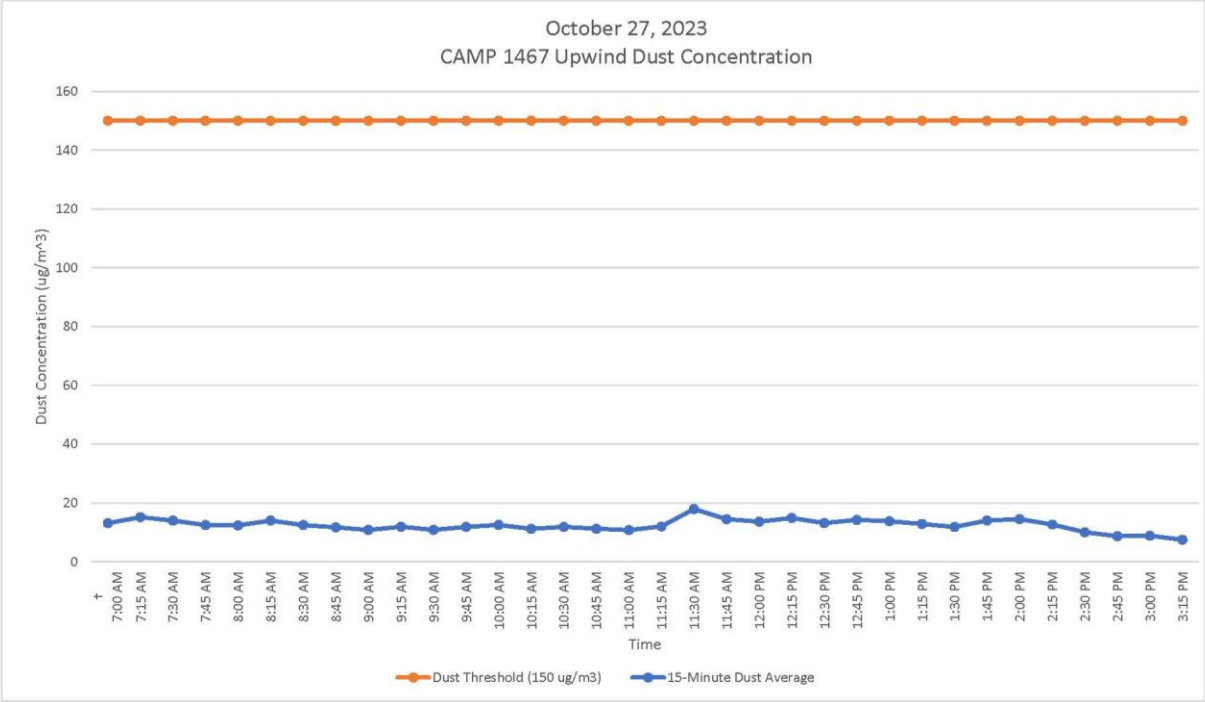
Background Readings:

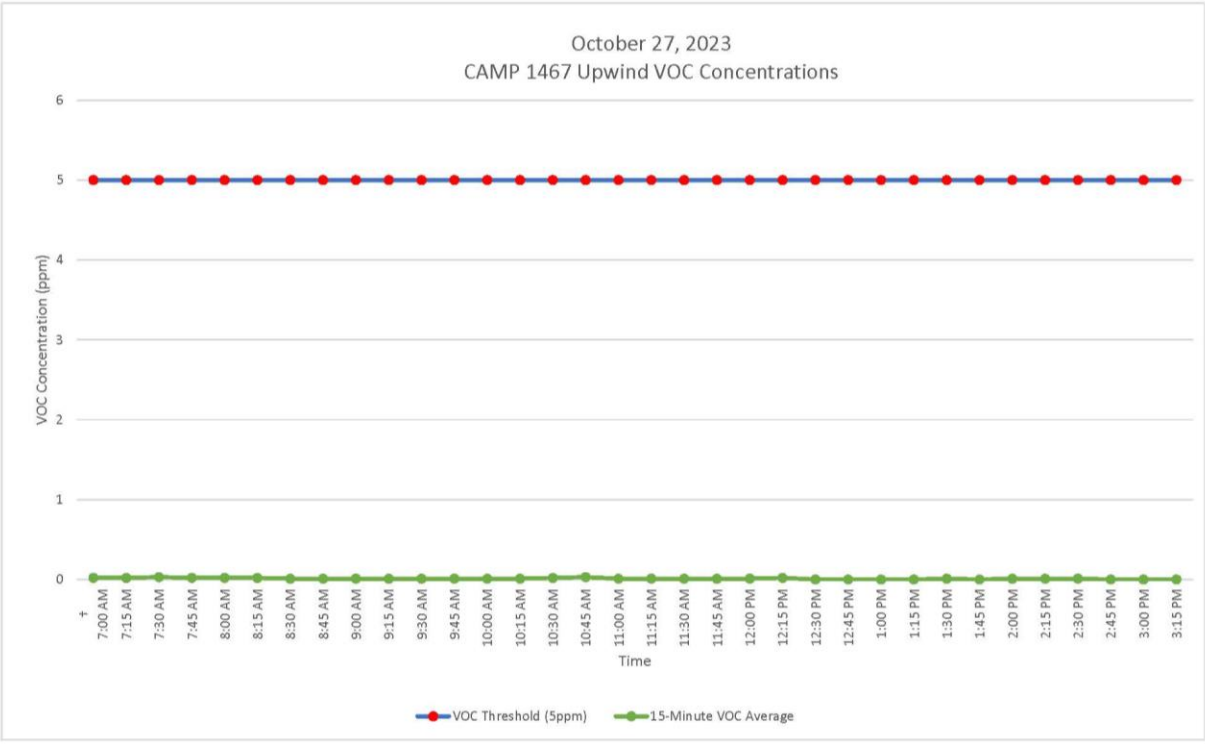
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 13.13
Data Ram 2: 22.16

GZA DAILY FIELD SUMMARY 69

DATE: 10/27/2023
FILE NO: 41.0163097.00

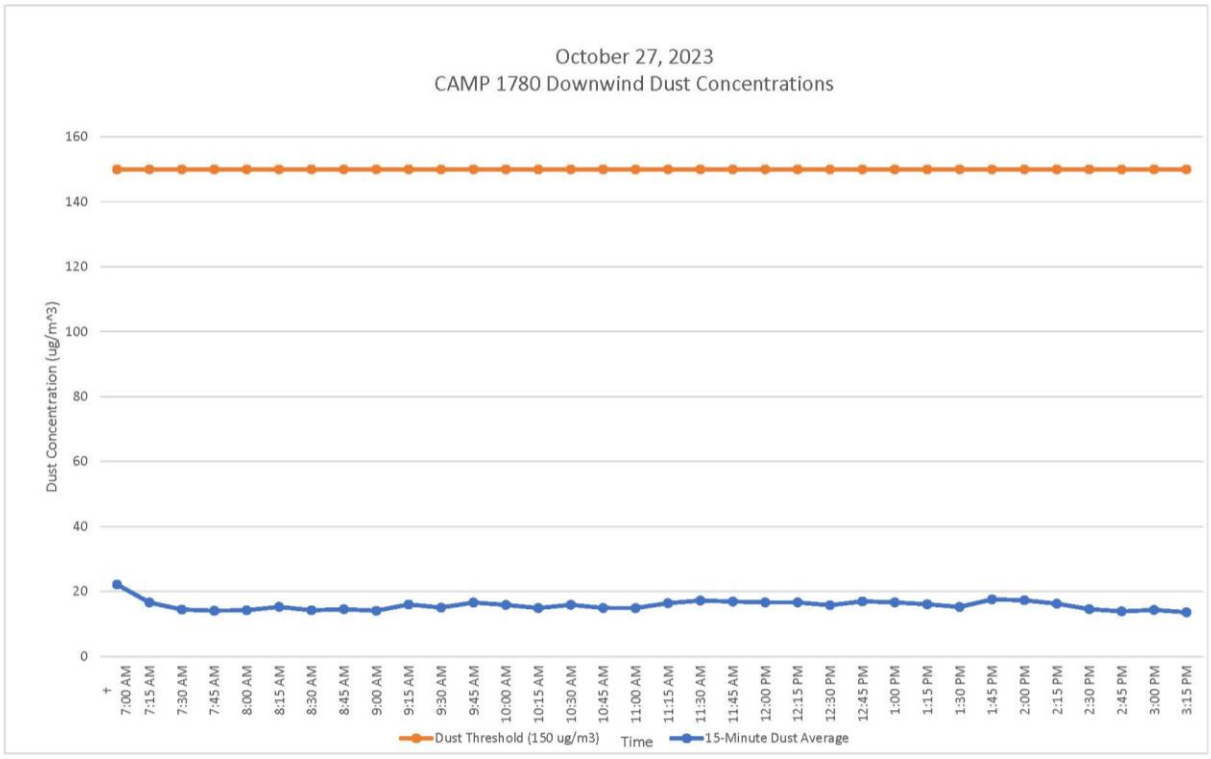


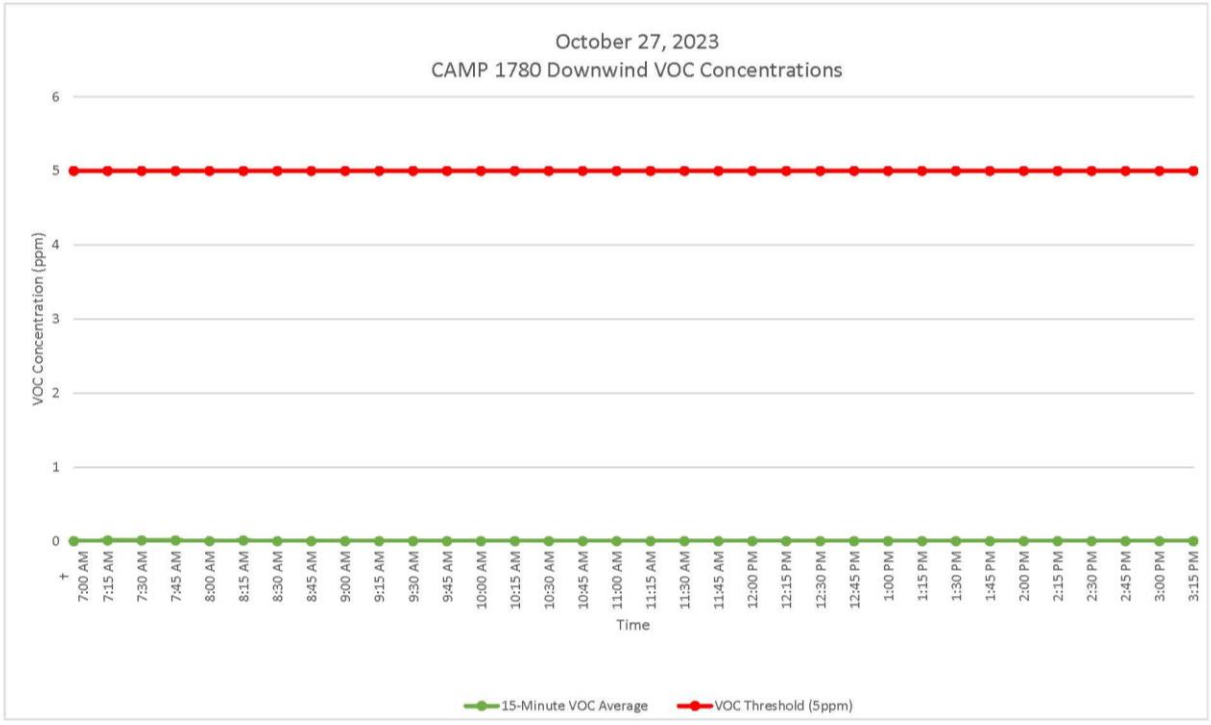


GZA DAILY FIELD SUMMARY 69

DATE: 10/27/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 69

DATE: 10/27/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	412	8,240	1	20	486	9,720
TOTAL	**73**	**1,460**	**412**	**8,240**	**1**	**20**	**486**	**9,720**

GZA DAILY FIELD SUMMARY 69

DATE: 10/27/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	10	259.07	13	337.63
TOTAL	**3**	**78.56**	**10**	**259.07**	**13**	**337.63**

`

GZA DAILY FIELD SUMMARY 70

DATE: 10/28/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	72.83°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	56.50°F
		MAX WIND SPEED	14 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Saturday, October 28, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**AEL**	
	SRM Concrete	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 70

DATE: 10/28/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Saturday – 10/28/2023

Work Location (Attachment A): Grids B1, B2, B3, and C3.

1. J&A installed rebar and poured concrete in the northeastern portion of foundation Mat C in grid B2.
2. J&A performed dewatering in grids B1, B2, B3, and C3. A total of 40,300.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.09 ug/m^3
High Conditions – PID: 0.10 ppm, Particulates: 15.61 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 68

DATE: 10/28/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

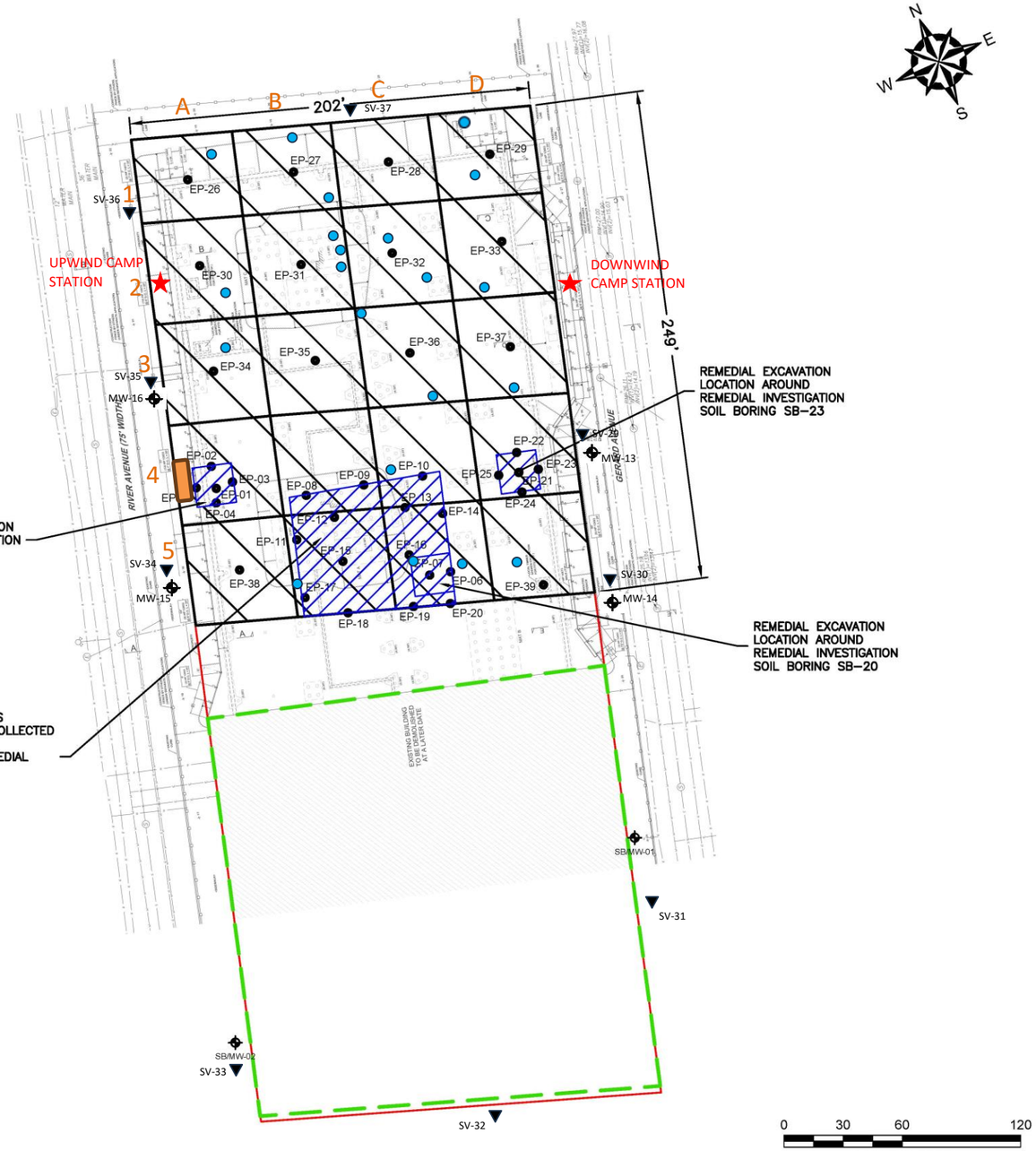
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	40,300.00
Previous	491,436.10
Total	**531,736.10**

GZA DAILY FIELD SUMMARY 68

DATE: 10/28/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

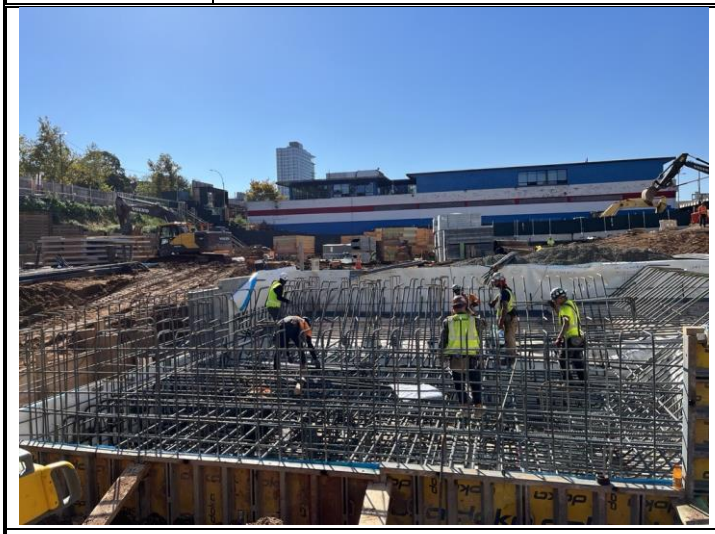
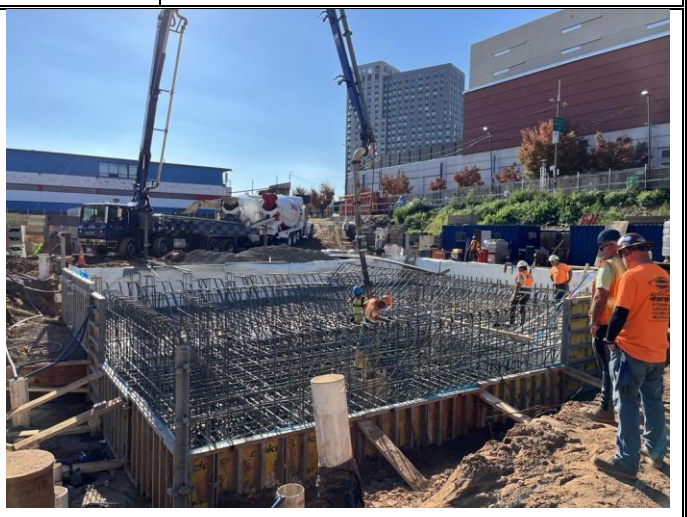
PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 68

DATE: 10/28/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** South	**Photo No.** 2	**Direction Photo Taken** Southwest
			
Description: J&A installing rebar over vapor barrier in grid B2.		**Description:** J&A pouring concrete in the northeastern portion of grid B2.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No.** 4	**Direction Photo Taken** Southeast
Description: J&A dewatering at wellpoint in grid B2.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 68

DATE: 10/28/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 28, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

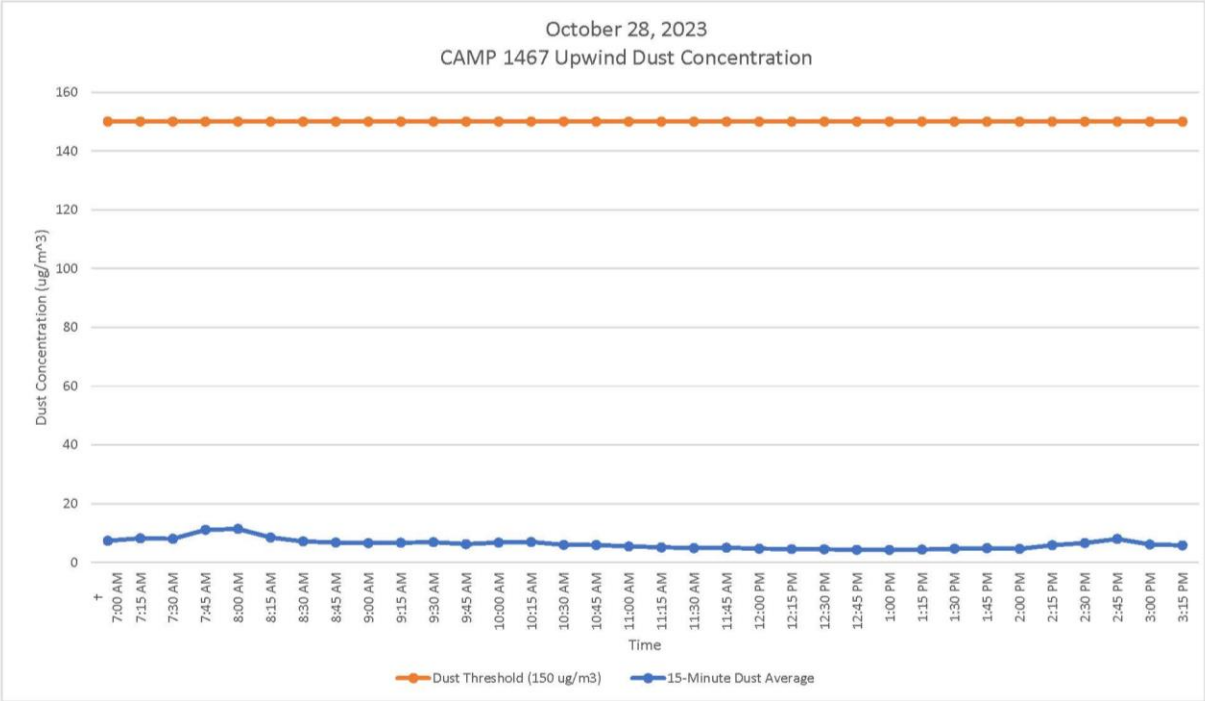
Background Readings:
PID 1: 0.0
PID 2: 0.0

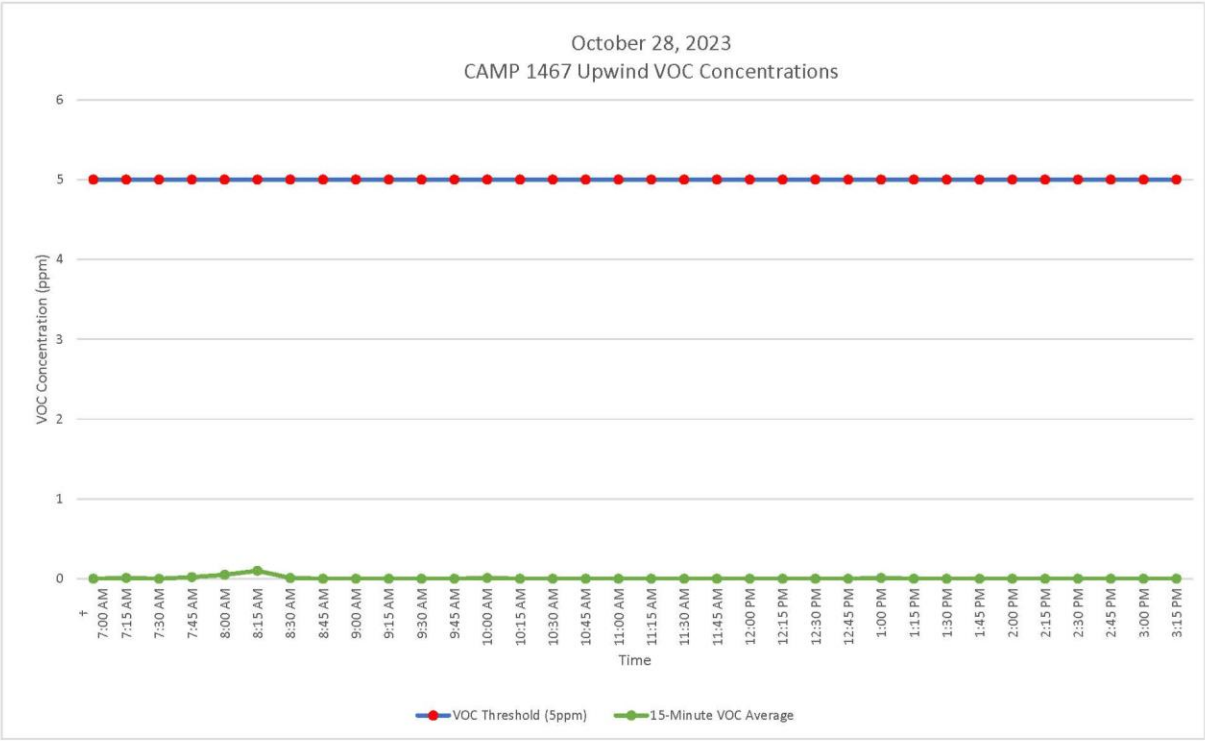
Data Ram 1: 7.40
Data Ram 2: 9.09

GZA DAILY FIELD SUMMARY 68

DATE: 10/28/2023

FILE NO: 41.0163097.00

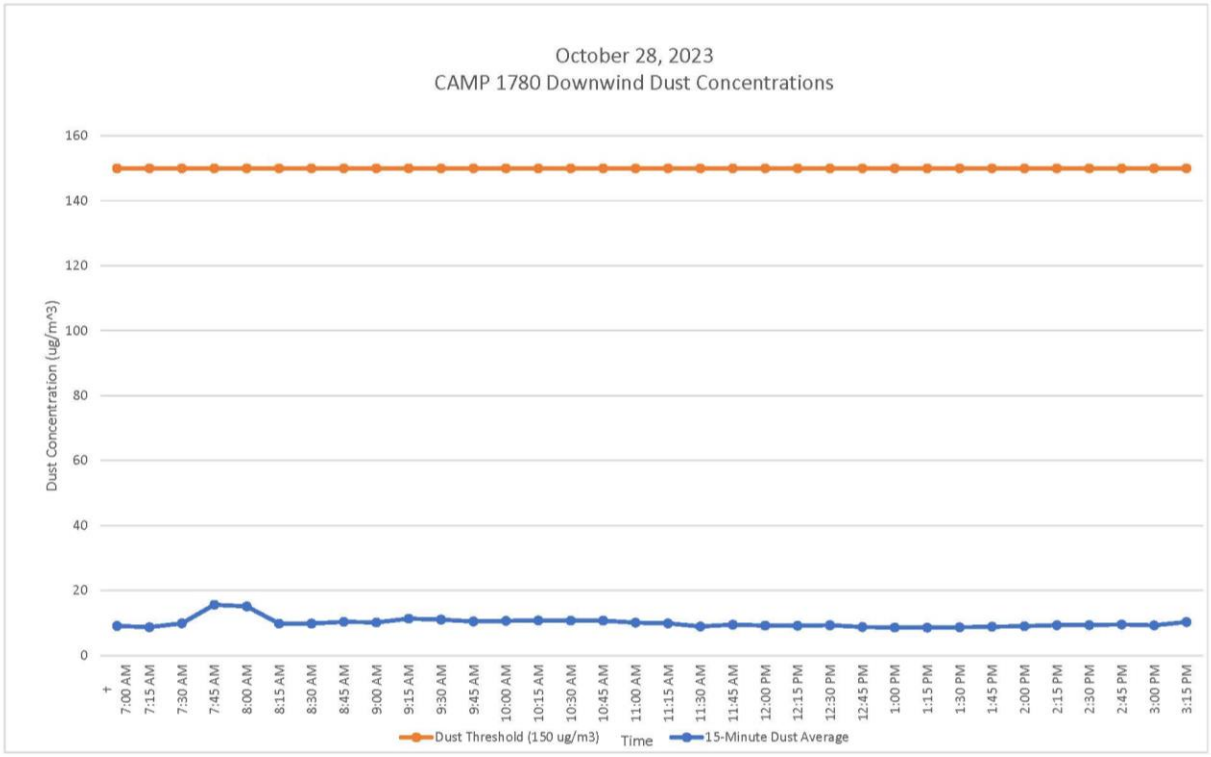


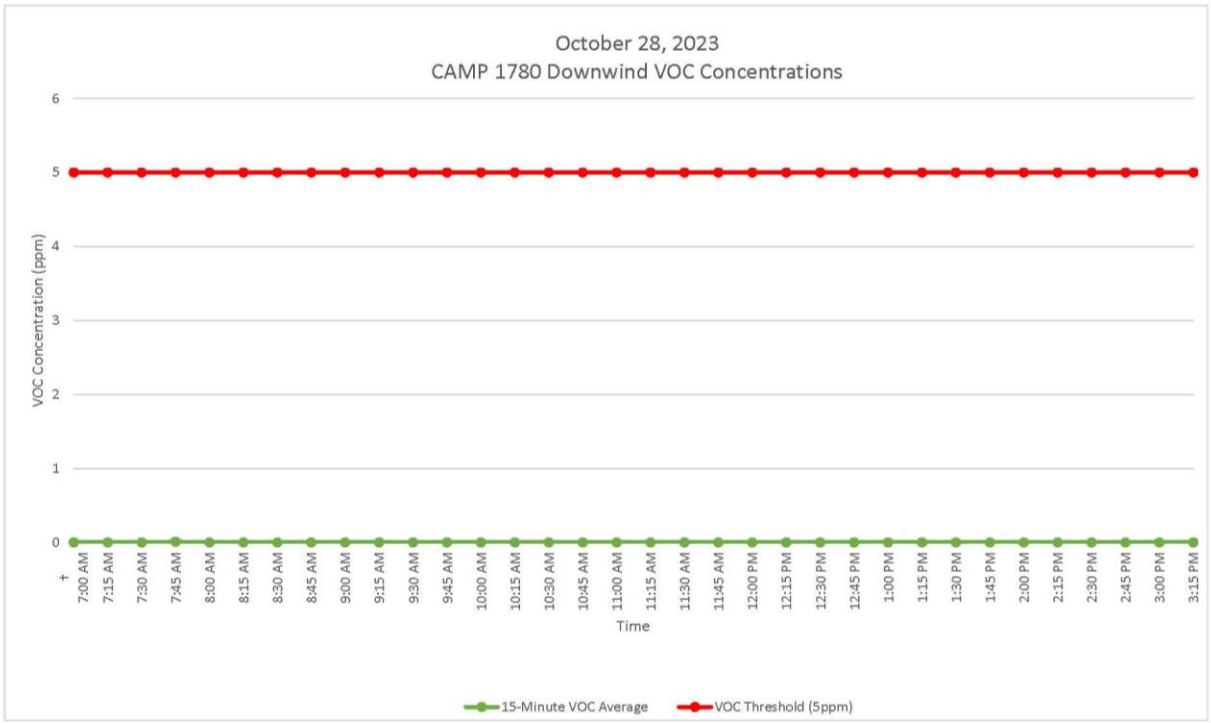


GZA DAILY FIELD SUMMARY 68

DATE: 10/28/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 68

DATE: 10/28/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	412	8,240	1	20	486	9,720
TOTAL	**73**	**1,460**	**412**	**8,240**	**1**	**20**	**486**	**9,720**

GZA DAILY FIELD SUMMARY 68

DATE: 10/28/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	10	259.07	13	337.63
TOTAL	**3**	**78.56**	**10**	**259.07**	**13**	**337.63**

`

GZA DAILY FIELD SUMMARY 71

DATE: 10/30/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	56.23°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	51.69°F
		MAX WIND SPEED	20 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.96 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, October 30, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 71

DATE: 10/30/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 10/30/2023

Work Location (Attachment A): Grids B1, B2, B3, C2, C3, and D3.

1. J&A continued installing rebar in foundation Mat C in grid B2.
2. J&A started installing formwork for the eastern exterior foundation wall in grid D3.
3. J&A performed dewatering in grids B1, B2, B3, and C3. A total of 62,838.00 gallons of groundwater was generated and treated for the day.
4. Steel formwork was delivered by Doka and stored in grid B3.
5. Rebar was delivered and stored in grid C2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.69 ug/m^3
High Conditions – PID: 3.43 ppm, Particulates: 31.04 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was exported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 68

DATE: 10/30/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

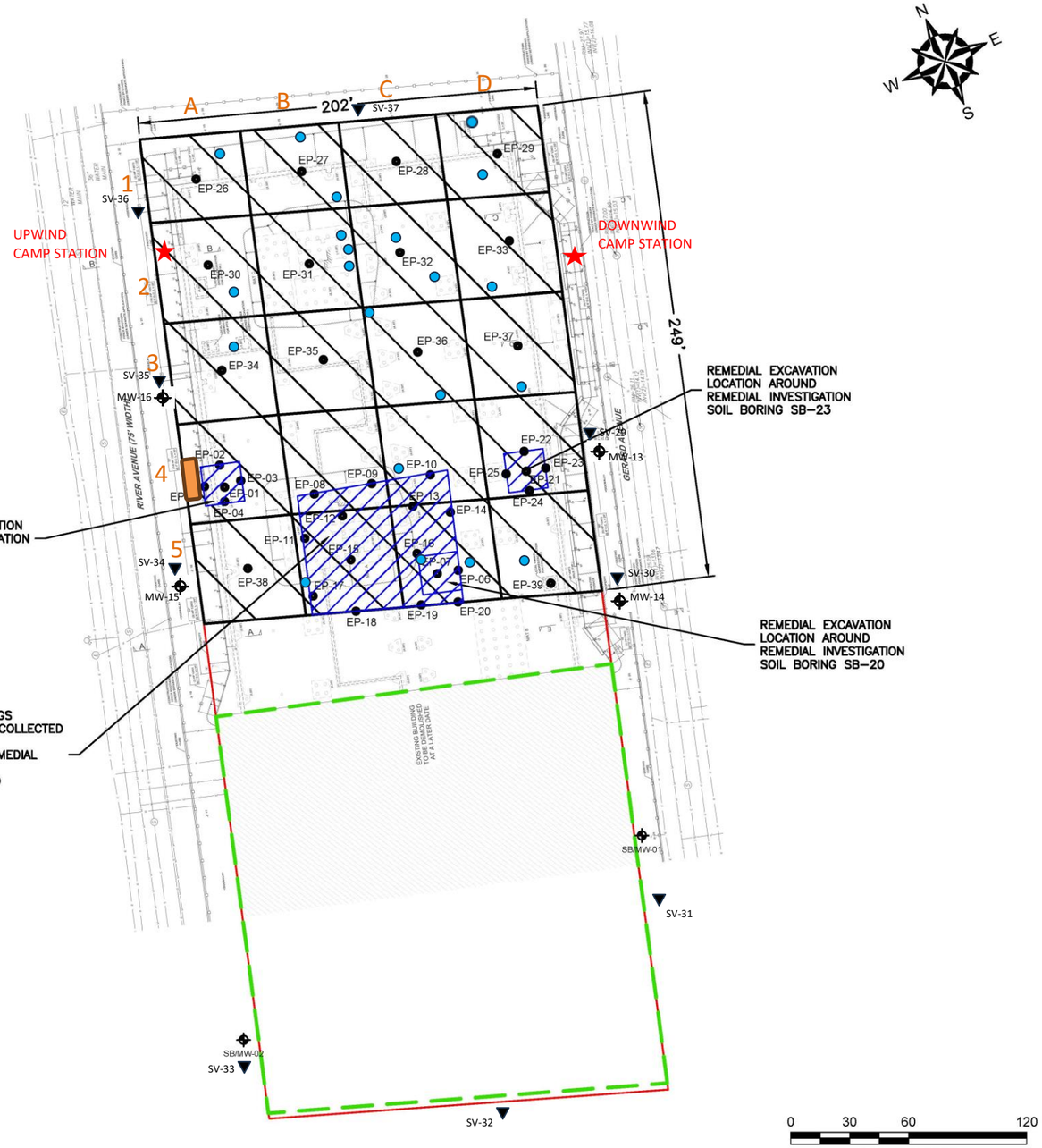
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	62,838.00
Previous	531,736.10
Total	**594,574.10**

GZA DAILY FIELD SUMMARY 68

DATE: 10/30/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 68

DATE: 10/30/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: South	Photo No. 2	Direction Photo Taken Southwest
Description: J&A dewatering at wellpoints in grid B2.		**Description:** J&A installing formwork in grid D3.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No. 4**	**Direction Photo Taken** Southeast
Description: J&A installing rebar over vapor barrier in grid B2.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 68

DATE: 10/30/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 30, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

Background Readings:

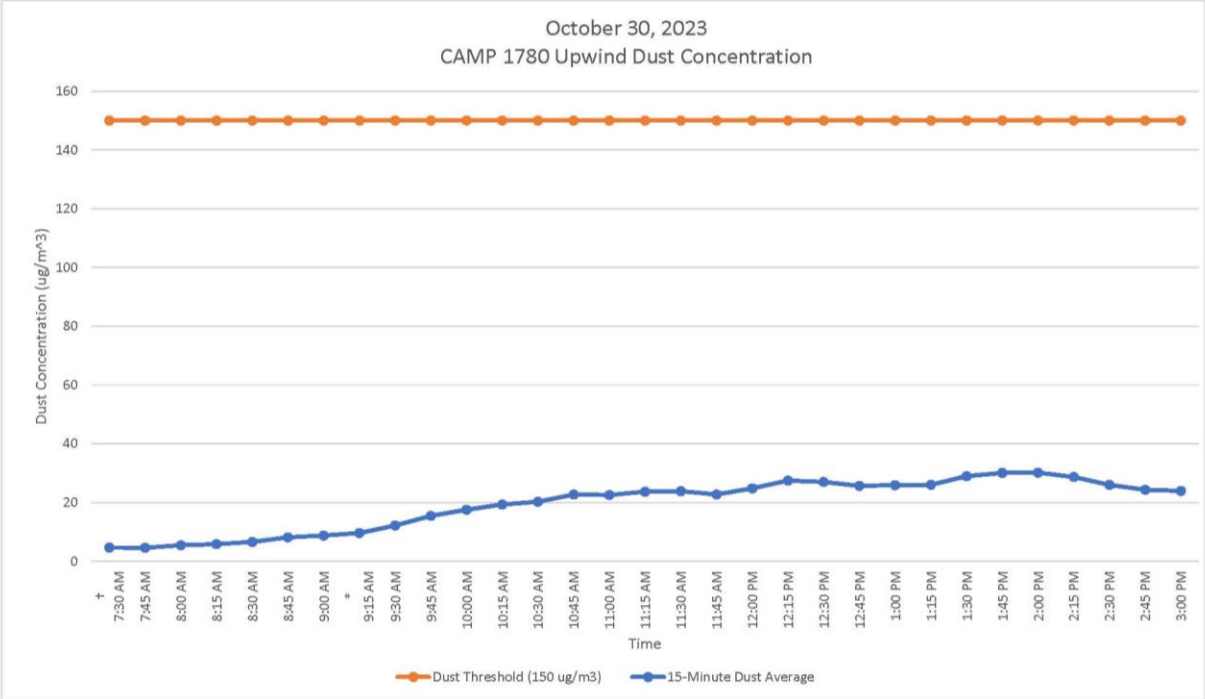
PID 1: 0.0
PID 2: 0.0

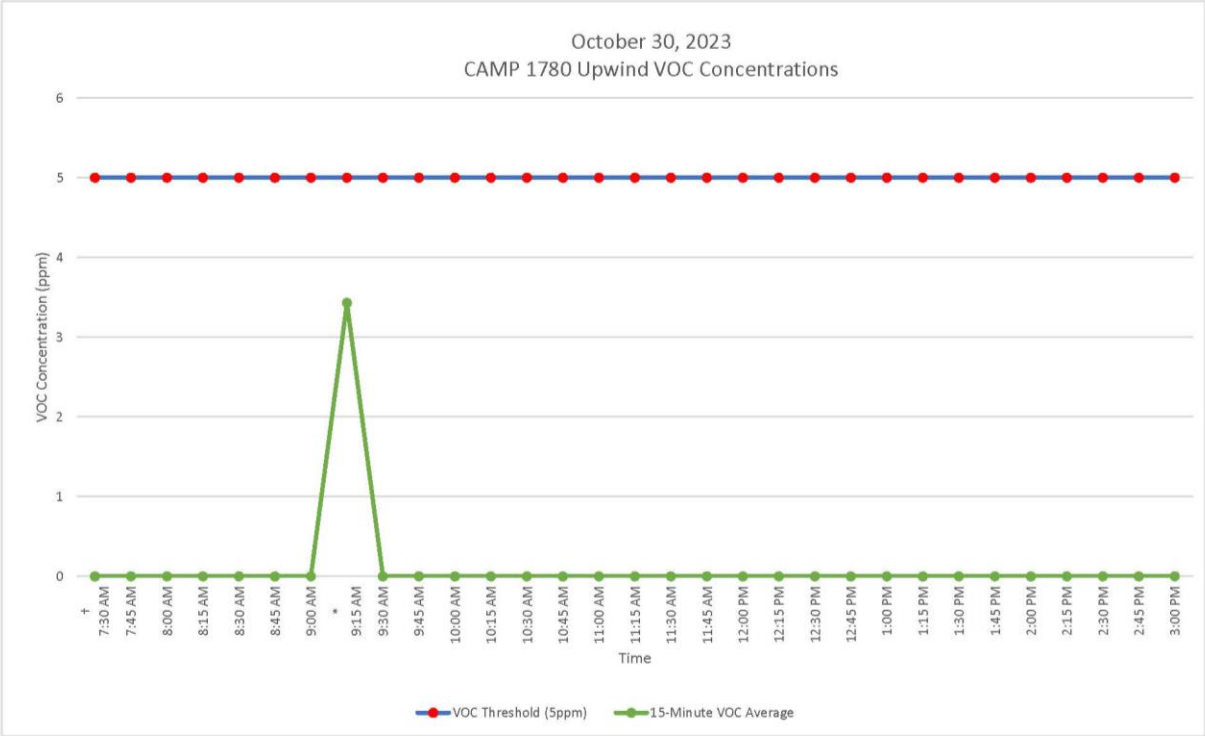
Data Ram 1: 4.69
Data Ram 2: 4.25

GZA DAILY FIELD SUMMARY 68

DATE: 10/30/2023

FILE NO: 41.0163097.00

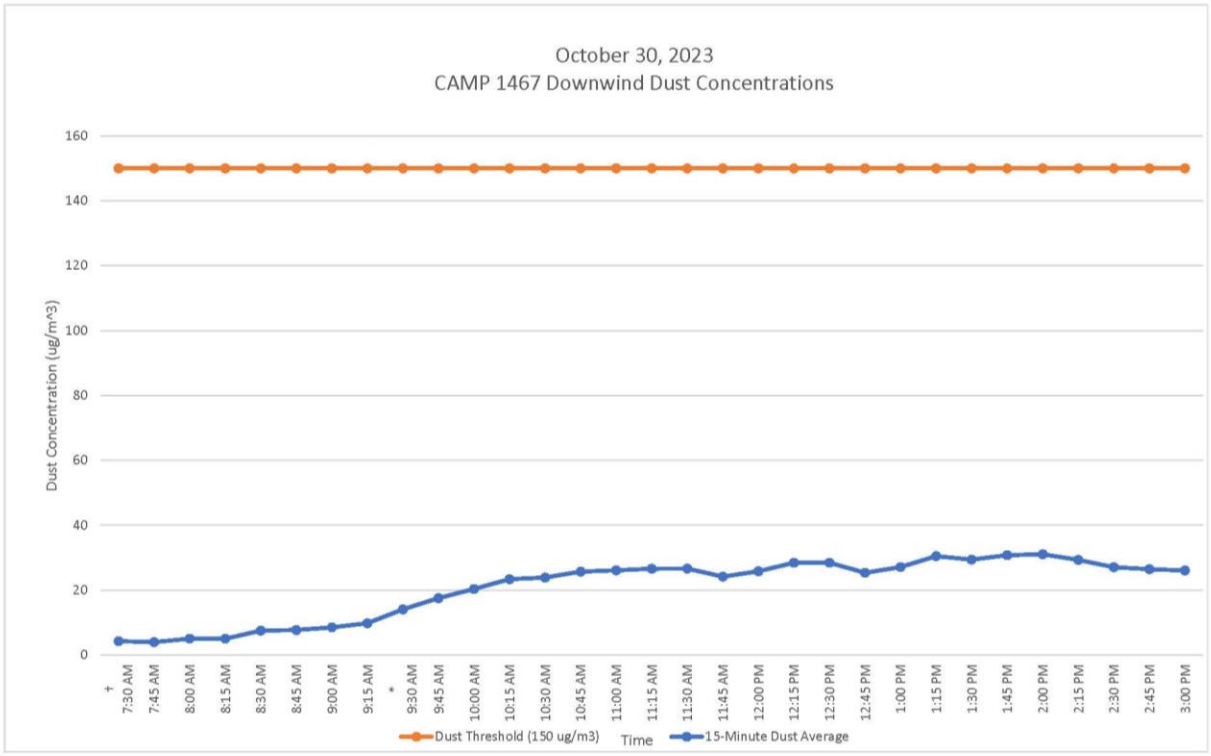


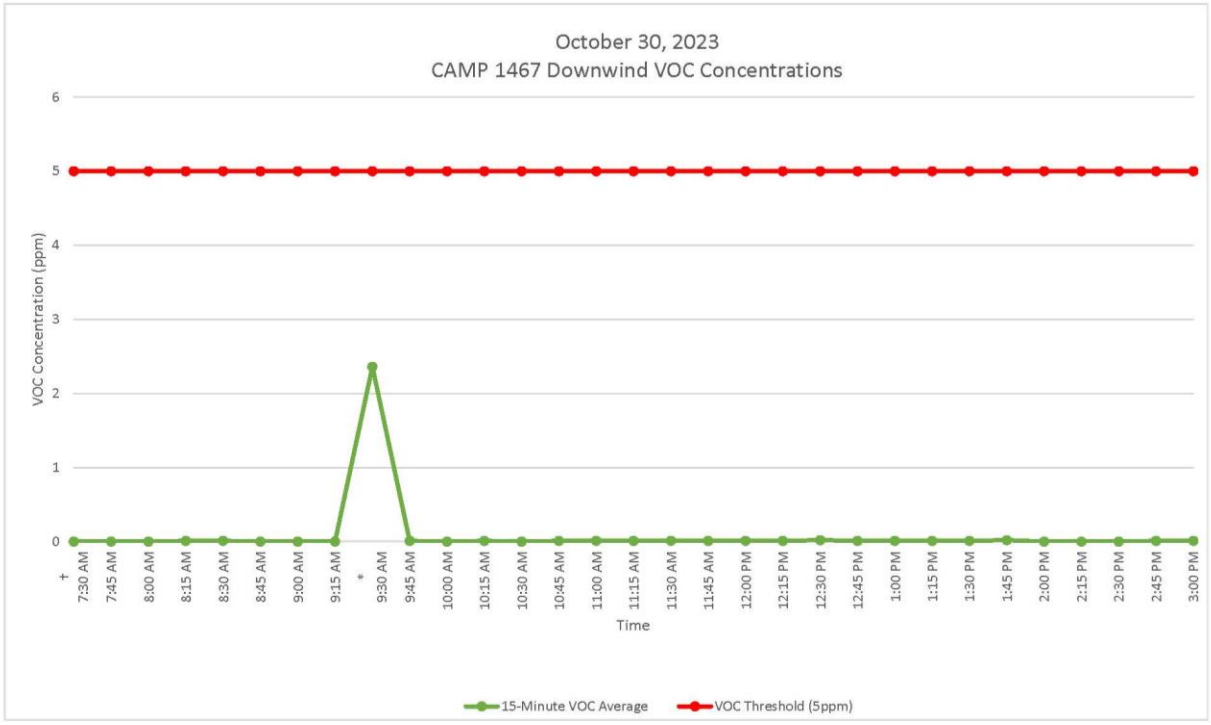


GZA DAILY FIELD SUMMARY 68

DATE: 10/30/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 68

DATE: 10/30/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	412	8,240	1	20	486	9,720
TOTAL	**73**	**1,460**	**412**	**8,240**	**1**	**20**	**486**	**9,720**

GZA DAILY FIELD SUMMARY 68

DATE: 10/30/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	10	259.07	13	337.63
TOTAL	**3**	**78.56**	**10**	**259.07**	**13**	**337.63**

`

GZA DAILY FIELD SUMMARY 72

DATE: 10/31/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	49.42°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	32.38°F
		MAX WIND SPEED	13 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, October 31, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**LERA**	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 72

DATE: 10/31/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 10/31/2023

Work Location (Attachment A): Grids A4, B1, B2, B3, C3, D2, D3, D4, and D5.

1. Excavation around EP-22 in grid D4. Excavated soils were stockpiled on plastic in grid A4 for loadout.
2. Loadout of stockpiled soil from grid D4 (5-8 ft bgs). 5 truckloads of soil (approximately 100 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
3. J&A continued installing rebar in foundation Mat C in grid B2.
4. J&A continued installing formwork and rebar for the eastern exterior foundation wall in grids D2 and D3.
5. J&A performed dewatering in grids B1, B2, B3, C3, and D5. A total of 44,322.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- End-point sample EP-22A from grid D4 at 8-feet below ground surface (bgs).

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.69 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 6.25 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- Five (5) truckloads of excavated materials were transported to Clean Earth of Carteret, NJ.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 68

DATE: 10/31/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

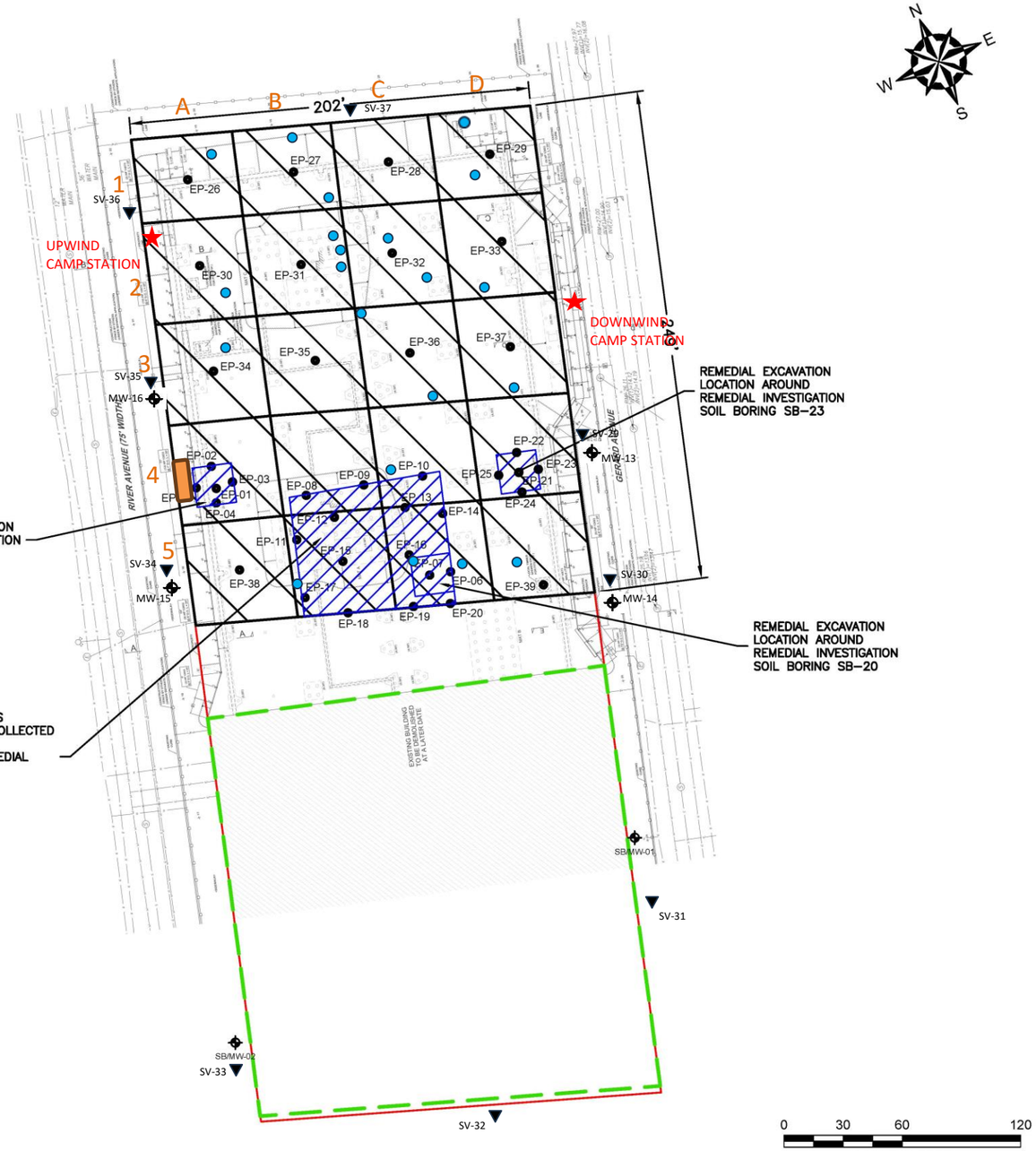
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	44,322.00
Previous	594,574.10
Total	**638,896.10**

GZA DAILY FIELD SUMMARY 68

DATE: 10/31/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

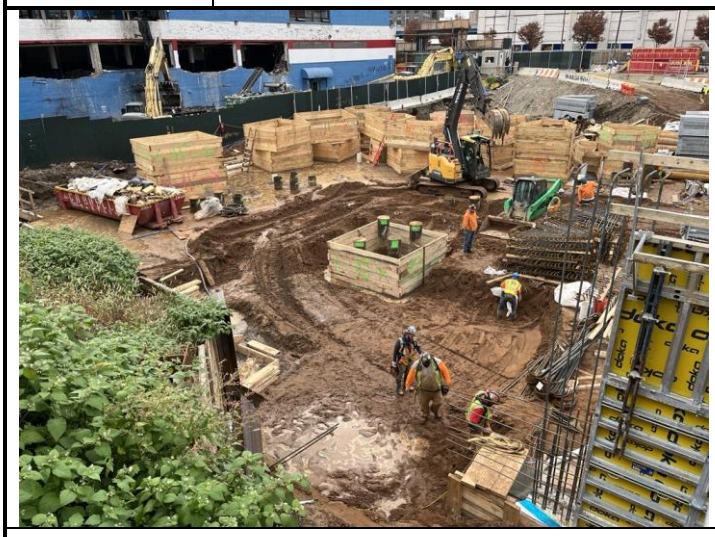
PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 68

DATE: 10/31/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northwest
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A removing soil and debris from Munoz truck and inspecting tarp prior to leaving the site.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** Northeast
			
Description: The excavated area in grid D4 at the end of day.		**Description:** J&A installing rebar for the eastern exterior foundation wall in grids D2 and D3.	

GZA DAILY FIELD SUMMARY 68

DATE: 10/31/2023
FILE NO: 41.0163097.00

Photo No. **5**	**Direction Photo Taken:** Northeast	**Photo No.** **6**	**Direction Photo Taken** Northwest
Description: Overview of Site at end of day.		**Description:** Remaining soil stockpile covered at the end of day.	

GZA DAILY FIELD SUMMARY 68

DATE: 10/31/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: October 31, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

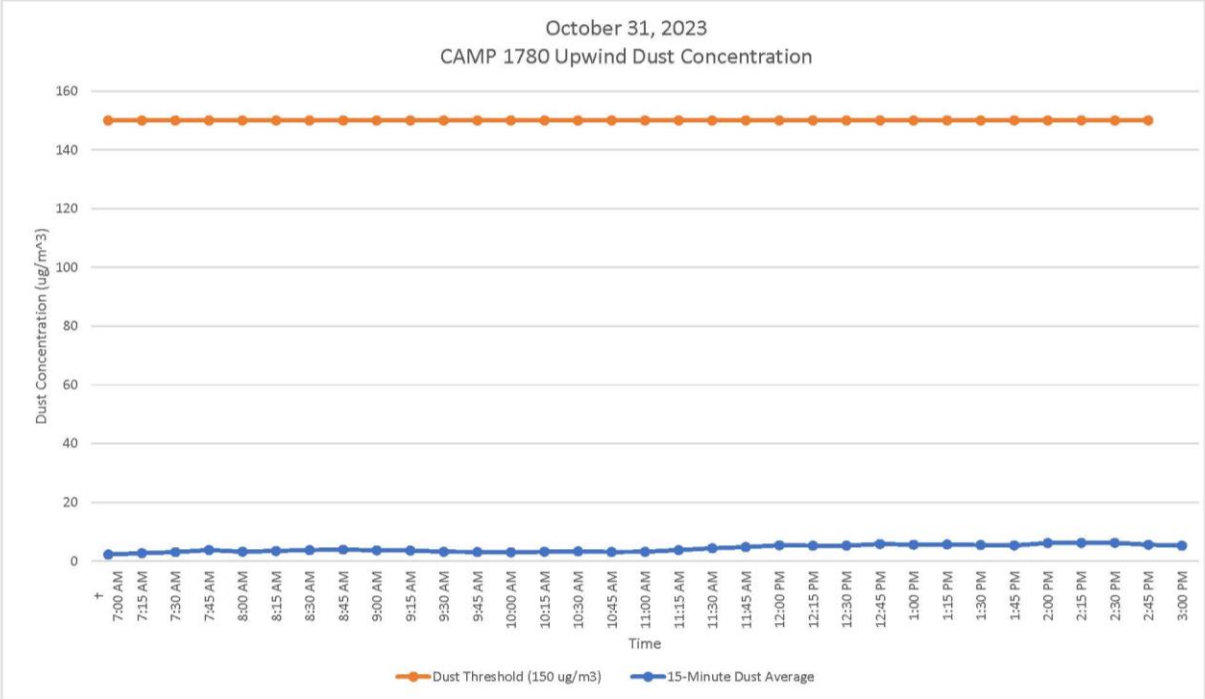
Background Readings:
PID 1: 0.0
PID 2: 0.0

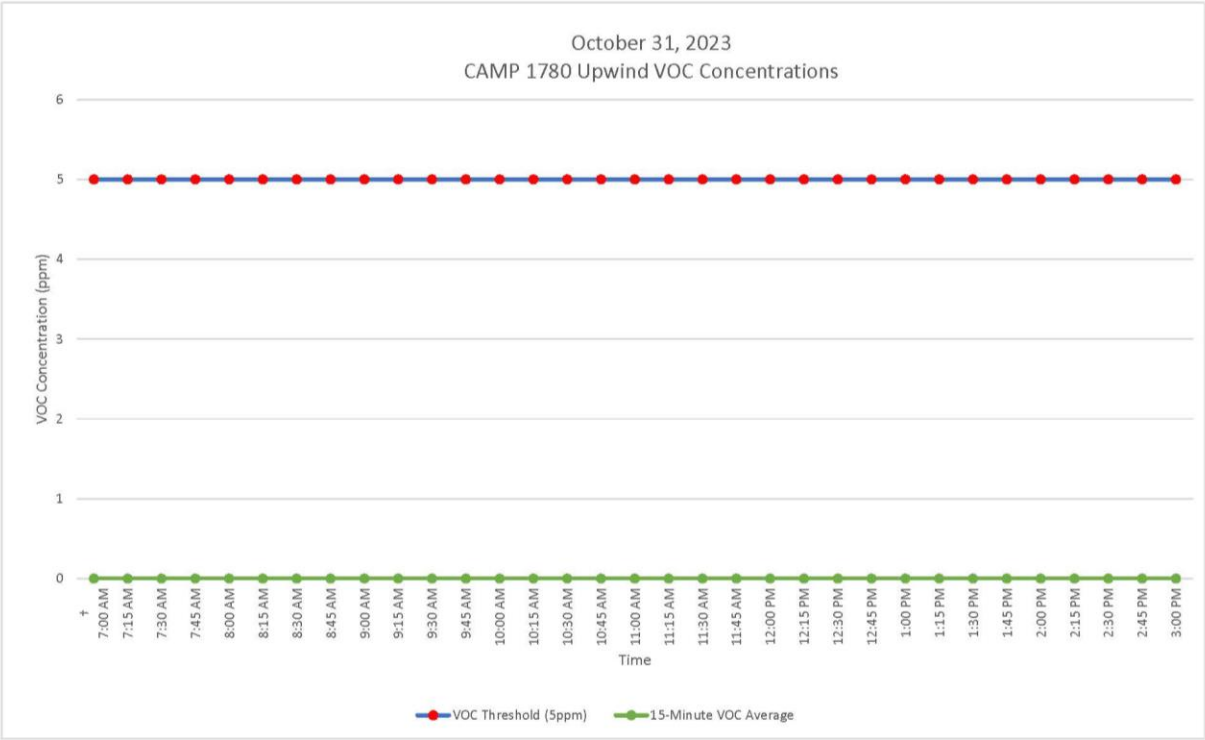
Data Ram 1: 2.26
Data Ram 2: 4.69

GZA DAILY FIELD SUMMARY 68

DATE: 10/31/2023

FILE NO: 41.0163097.00

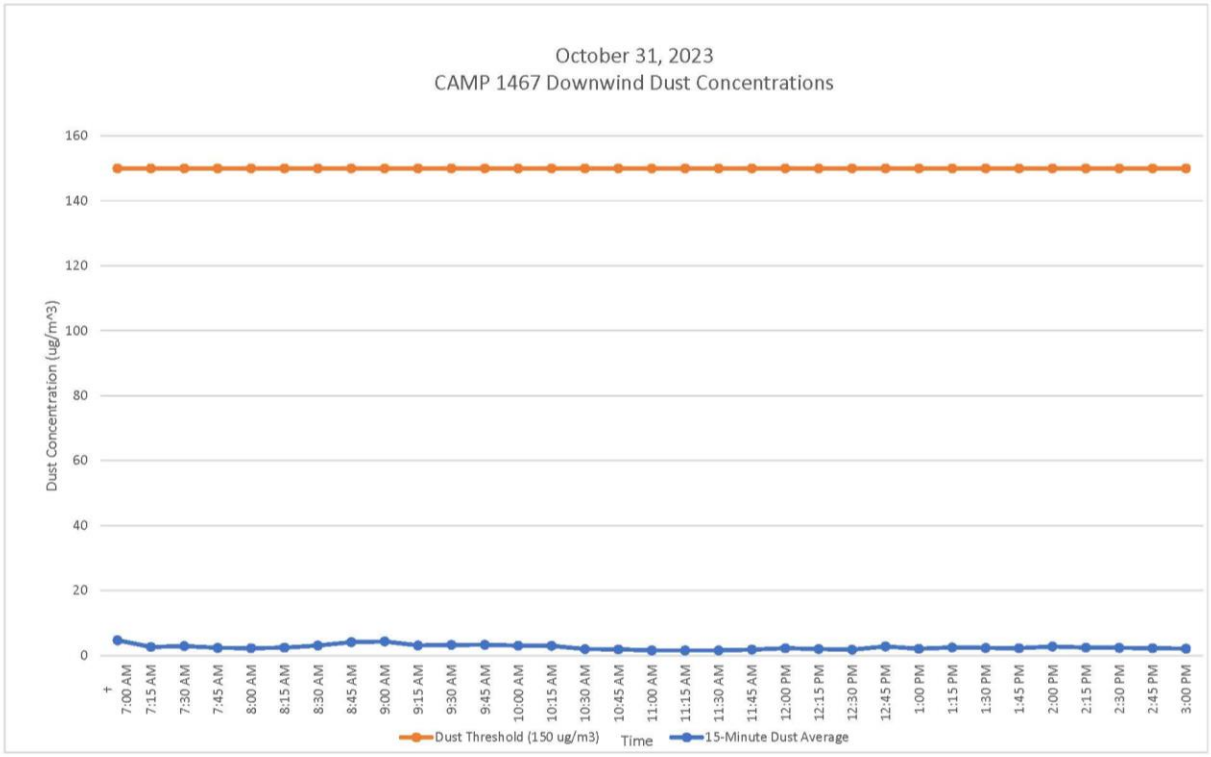


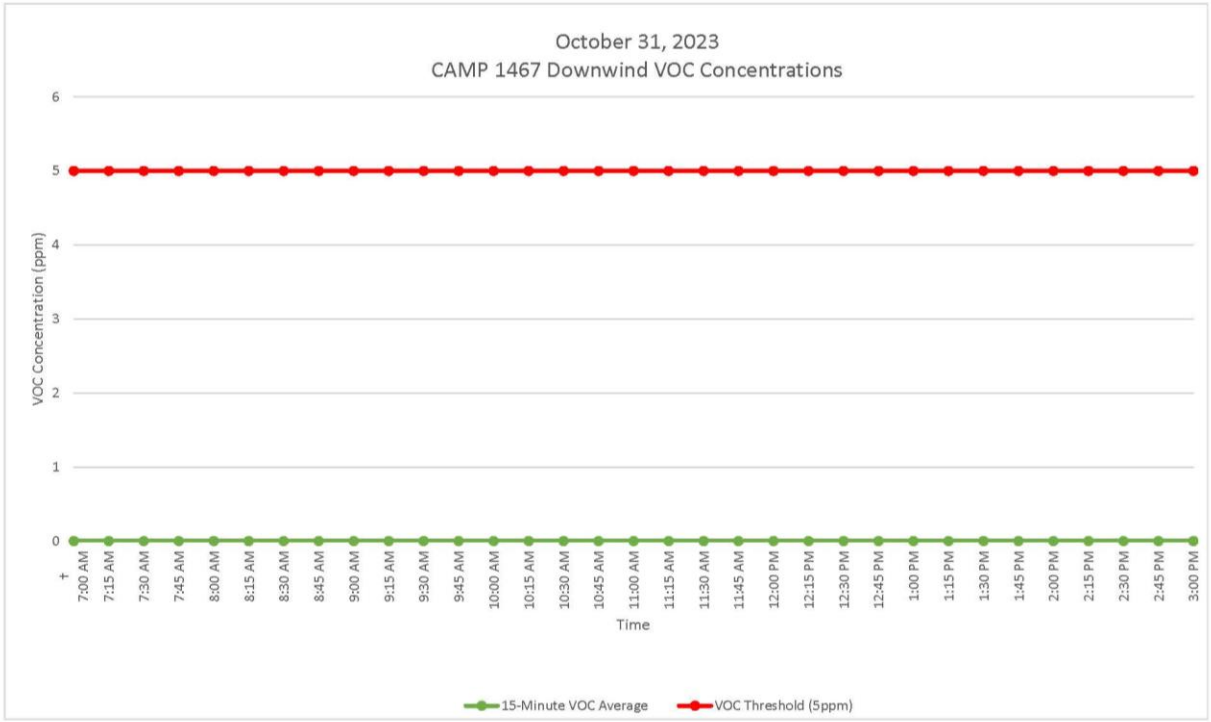


GZA DAILY FIELD SUMMARY 68

DATE: 10/31/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 68

DATE: 10/31/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	5	100	0	0	5	100
Previous	73	1,460	412	8,240	1	20	486	9,720
TOTAL	**73**	**1,460**	**417**	**8,340**	**1**	**20**	**491**	**9,820**

GZA DAILY FIELD SUMMARY 68

DATE: 10/31/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	10	259.07	13	337.63
TOTAL	**3**	**78.56**	**10**	**259.07**	**13**	**337.63**

`

GZA DAILY FIELD SUMMARY 73

DATE: 11/1/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	45.52°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	30.85°F
		MAX WIND SPEED	22 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, November 1, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**LERA**	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 73

DATE: 11/1/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 11/1/2023

Work Location (Attachment A): Grids B1, B2, B3, C3, C4, D2, D3, D4, and D5.

1. Loadout of stockpiled soil from grid D4 (5-8 ft bgs). 1 truckload of soil (approximately 20 cubic yards) was transported to Clean Earth of Carteret, New Jersey.
2. J&A continued installing formwork and rebar for the eastern exterior foundation wall in grids D2 and D3.
3. J&A installed formwork in grids C4 and D4 and spread gas permeable aggregates within the formwork.
4. J&A performed dewatering in grids B1, B2, B3, C3, and D5. A total of 55,580.00 gallons of groundwater was generated and treated for the day.
5. Cardella Waste transported one roll-off container onsite.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 19.11 ug/m^3
High Conditions – PID: 0.05 ppm, Particulates: 13.85 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 1 truckload of excavated material was transported to Clean Earth of Carteret, NJ.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 73

DATE: 11/1/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

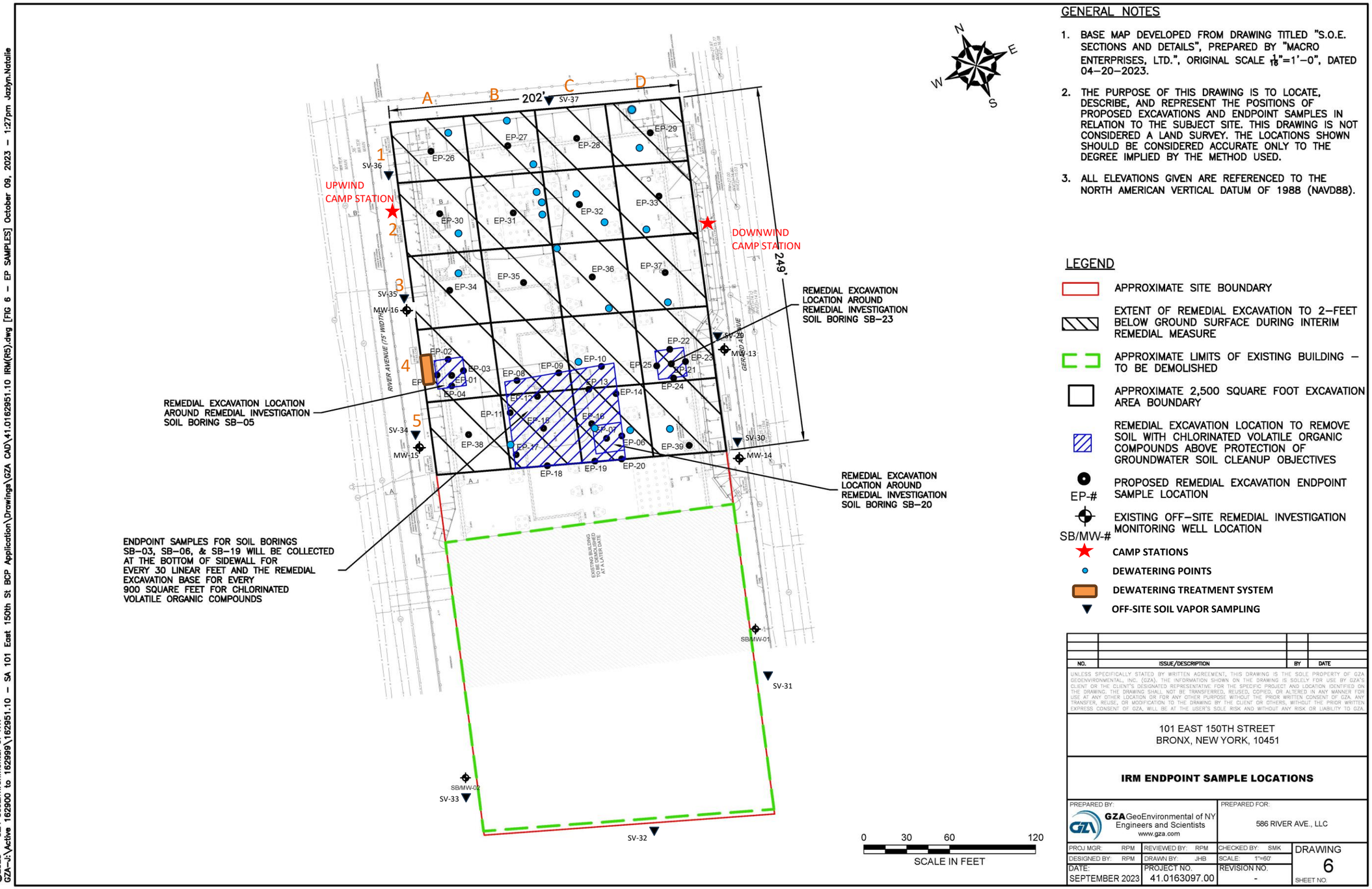
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	55,580.00
Previous	638,896.10
Total	**694,476.10**

GZA DAILY FIELD SUMMARY 73

DATE: 11/1/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 73

DATE: 11/1/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** North	**Photo No.** 2	**Direction Photo Taken** Southwest
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A installing formwork and spreading gas permeable aggregates in grids C4 and D4.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No.** 4	**Direction Photo Taken** Southeast
Description: J&A dewatering at wellpoint in grid D5.		**Description:** Overview of Site at end of day.	

GZA DAILY FIELD SUMMARY 73

DATE: 11/1/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 1, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

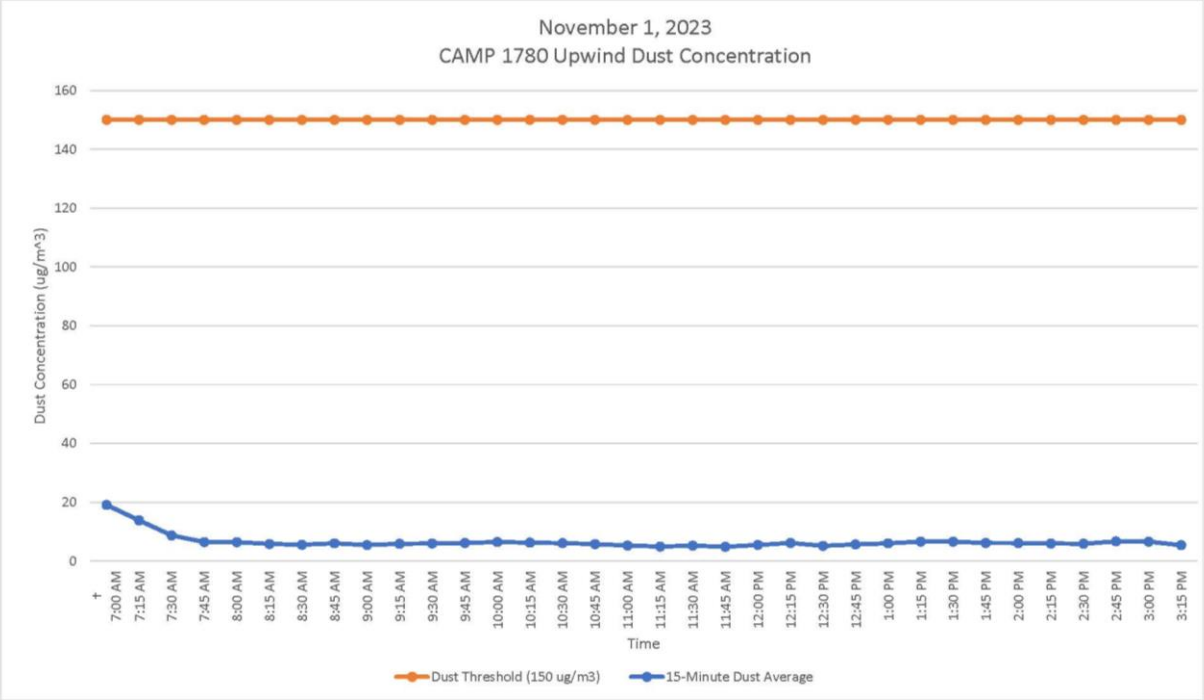
Background Readings:
PID 1: 0.0
PID 2: 0.0

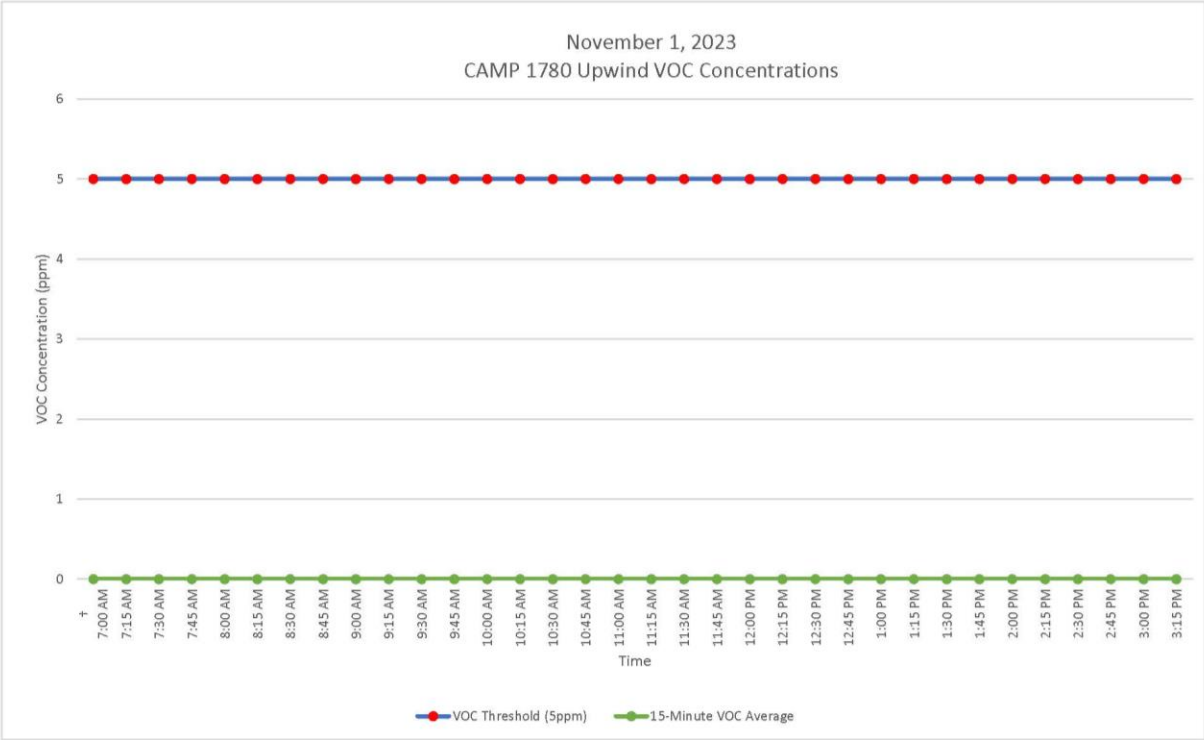
Data Ram 1: 19.11
Data Ram 2: 4.83

GZA DAILY FIELD SUMMARY 73

DATE: 11/1/2023

FILE NO: 41.0163097.00

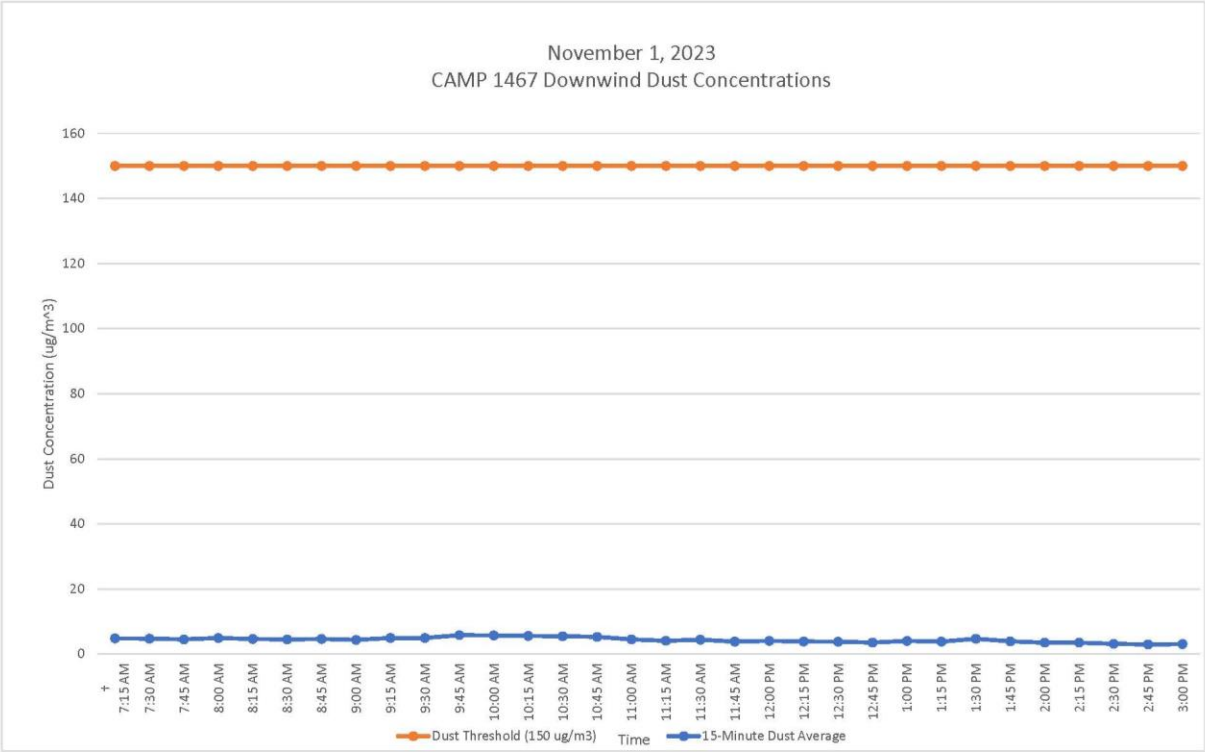


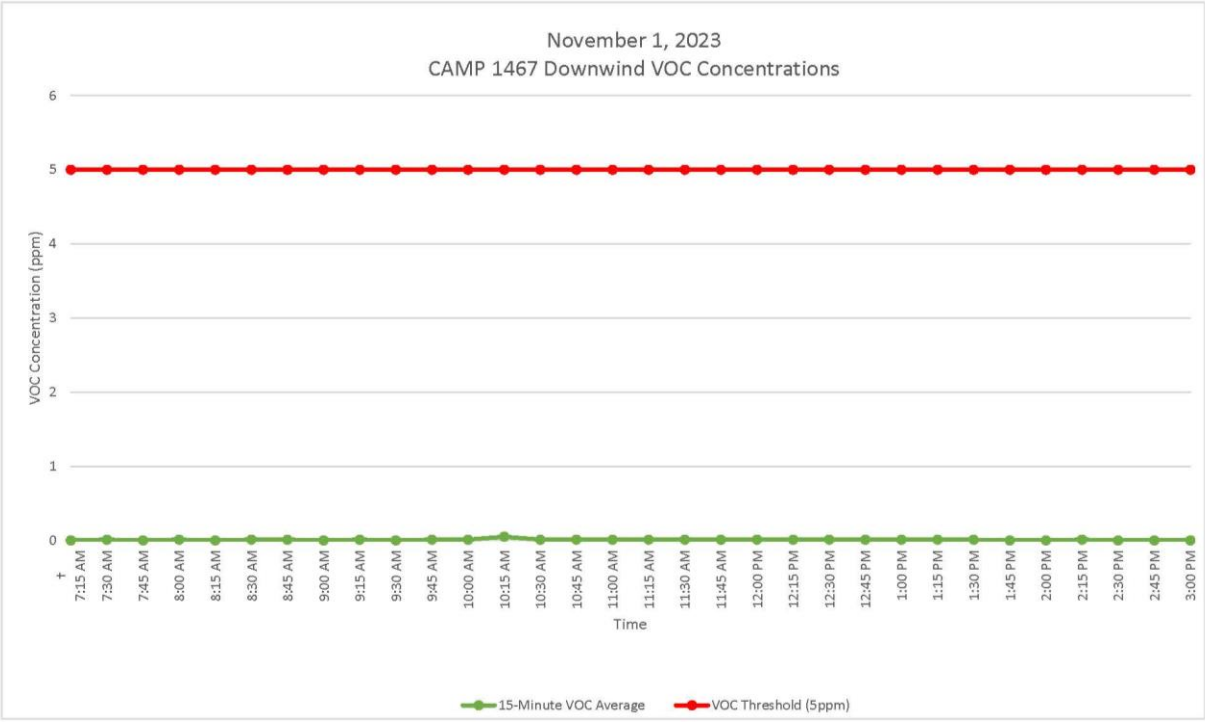


GZA DAILY FIELD SUMMARY 73

DATE: 11/1/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 73

DATE: 11/1/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	1	20	0	0	1	20
Previous	73	1,460	417	8,340	1	20	491	9,820
TOTAL	**73**	**1,460**	**418**	**8,360**	**1**	**20**	**492**	**9,840**

GZA DAILY FIELD SUMMARY 73

DATE: 11/1/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	10	259.07	13	337.63
TOTAL	**3**	**78.56**	**10**	**259.07**	**13**	**337.63**

`

GZA DAILY FIELD SUMMARY 74

DATE: 11/2/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	44.33°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	25.25°F
		MAX WIND SPEED	10 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, November 2, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**LERA**	
	Crown Waterproofing	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 74

DATE: 11/2/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 11/2/2023

Work Location (Attachment A): Grids B1, B2, B3, C3, C4, D2, D3, D4, and D5.

1. J&A continued installing formwork and rebar for the eastern exterior foundation wall in grids D2 and D3.
2. J&A continued installing rebar in foundation Mat C in grid B2.
3. J&A installed formwork in grids D4 and D5 and spread gas permeable aggregates within the formwork.
4. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in foundation Mat C in grid C4, D4 and D5. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps.
5. J&A performed dewatering in grids B1, B2, B3, C3, D4 and D5. A total of 41,892.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 7.73 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 6.22 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported to off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 74

DATE: 11/2/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

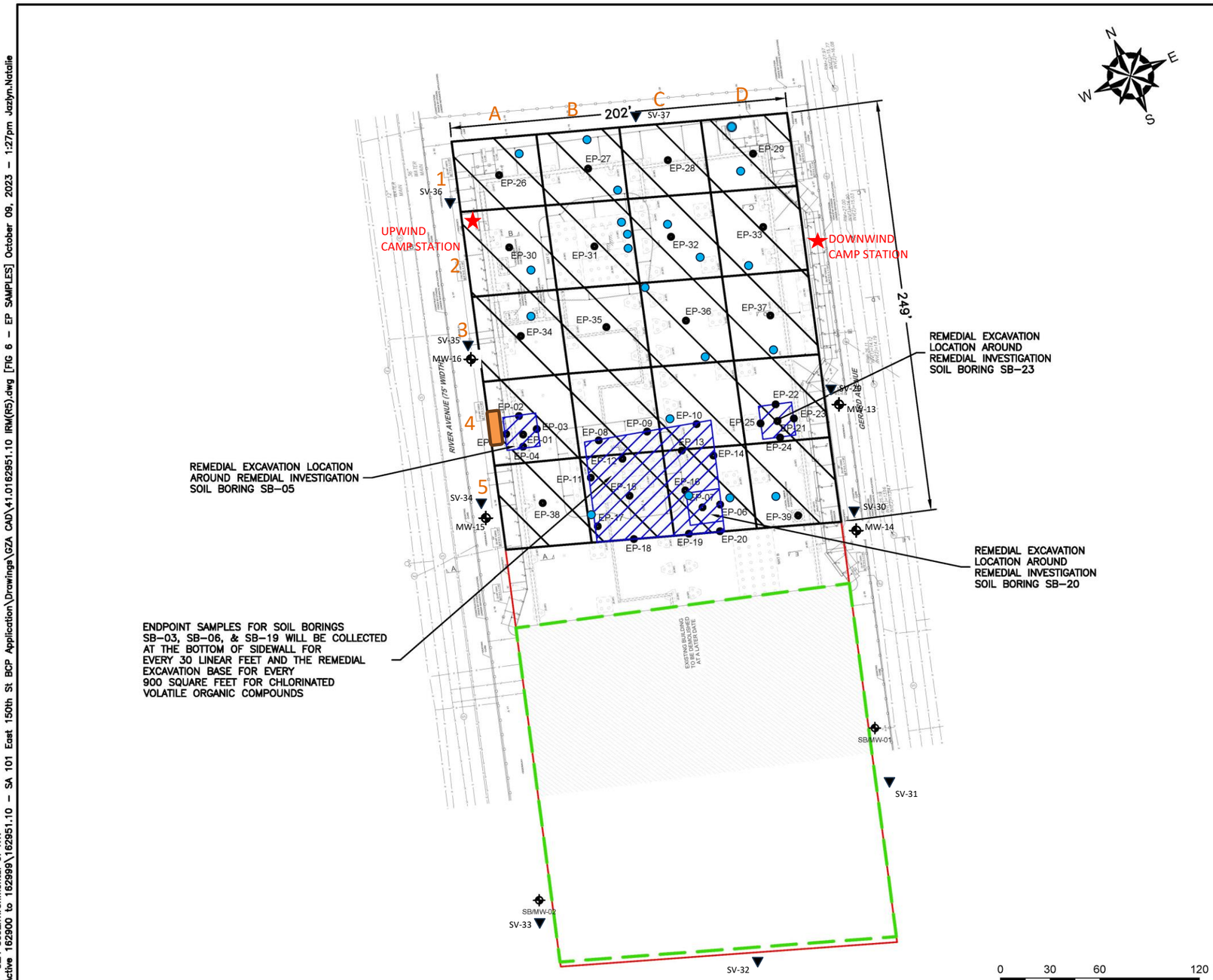
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	41,892.00
Previous	694,476.10
Total	**736,368.10**

GZA DAILY FIELD SUMMARY 74

DATE: 11/2/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

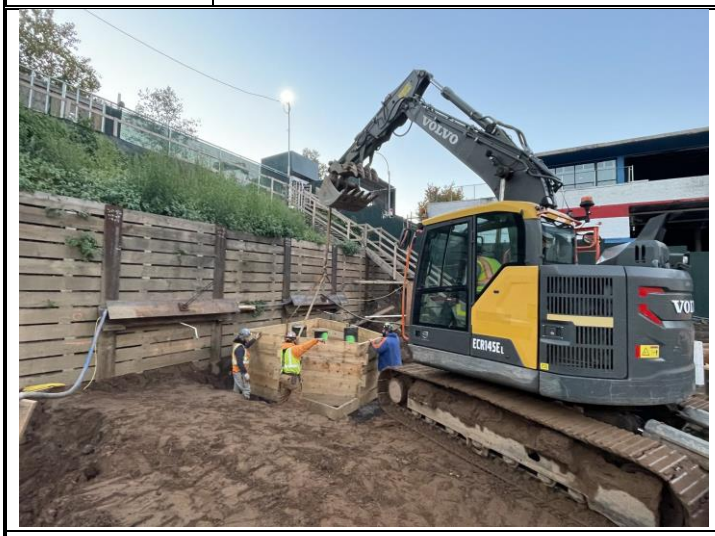
PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 74

DATE: 11/2/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Southeast	Photo No. 2	Direction Photo Taken Northeast
			
Description: J&A placing form in excavated area in grid D5.		**Description:** Crown Waterproofing installing vapor barrier inside form in grid D4.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No. 4**	**Direction Photo Taken** Northwest
Description: Rebar and form installation for eastern exterior foundation wall in grids D2 and D3.		**Description:** Rebar installation in foundation Mat C in grid B2.	

GZA DAILY FIELD SUMMARY 74

DATE: 11/2/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 2, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____ _____

_____ _____ _____

Station 2 _____ _____ _____

_____ _____ _____

_____

_____

_____

Hand Held PID Model 580 SN: 592-602879

SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO

2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1 ☒ Data ☒ Avg ☐ Summary _____

2 ☒ Data ☒ Avg ☐ Summary _____

Data Rams:

1 ☒ Data _____

2 ☒ Data _____

Weather Station: ☐ YES

Background Readings:

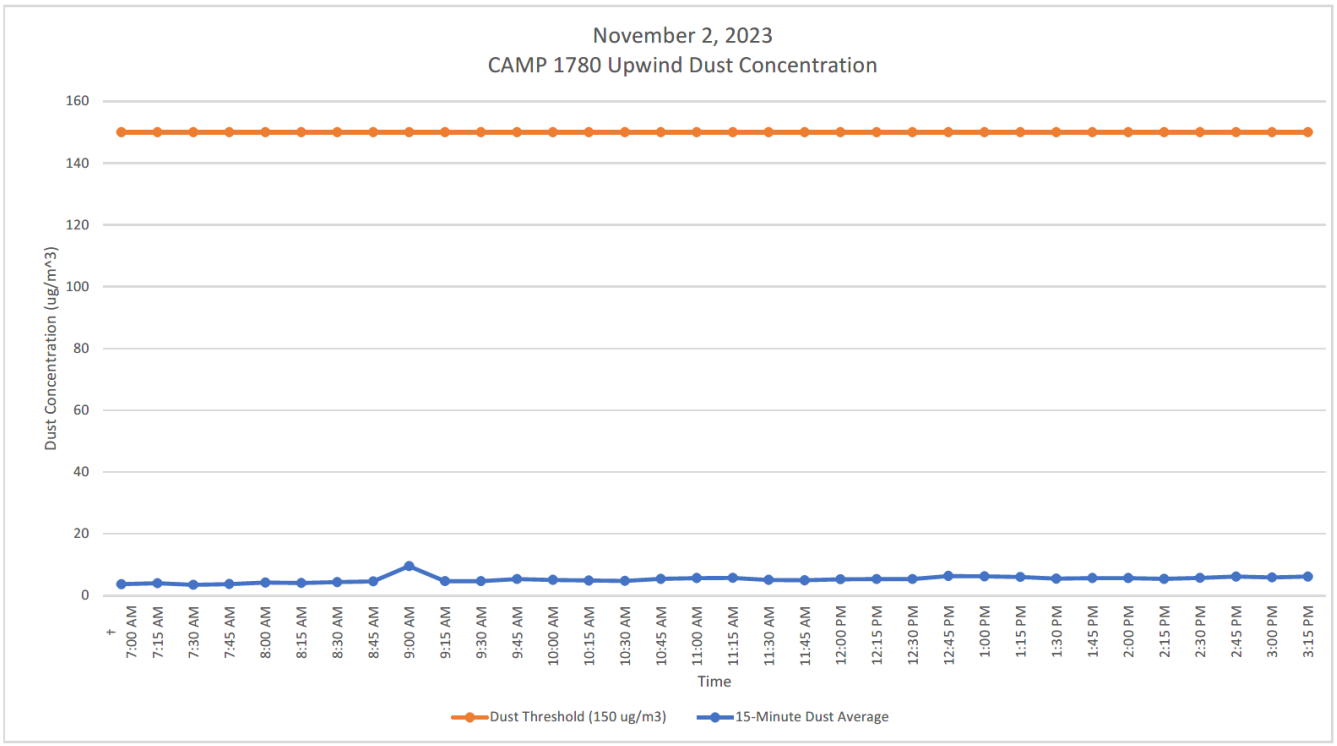
PID 1: 0.0 Data Ram 1: 3.69

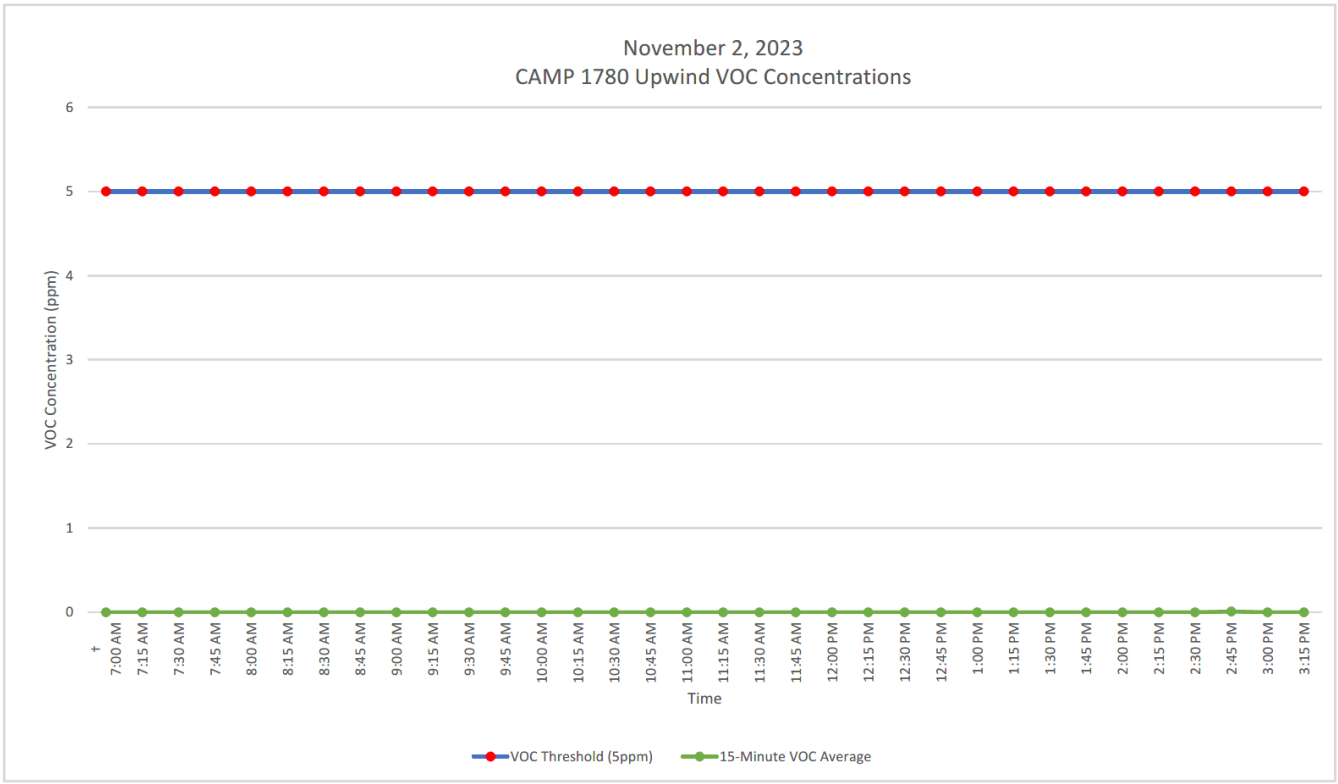
PID 2: 0.0 Data Ram 2: 7.73

GZA DAILY FIELD SUMMARY 74

DATE: 11/2/2023

FILE NO: 41.0163097.00

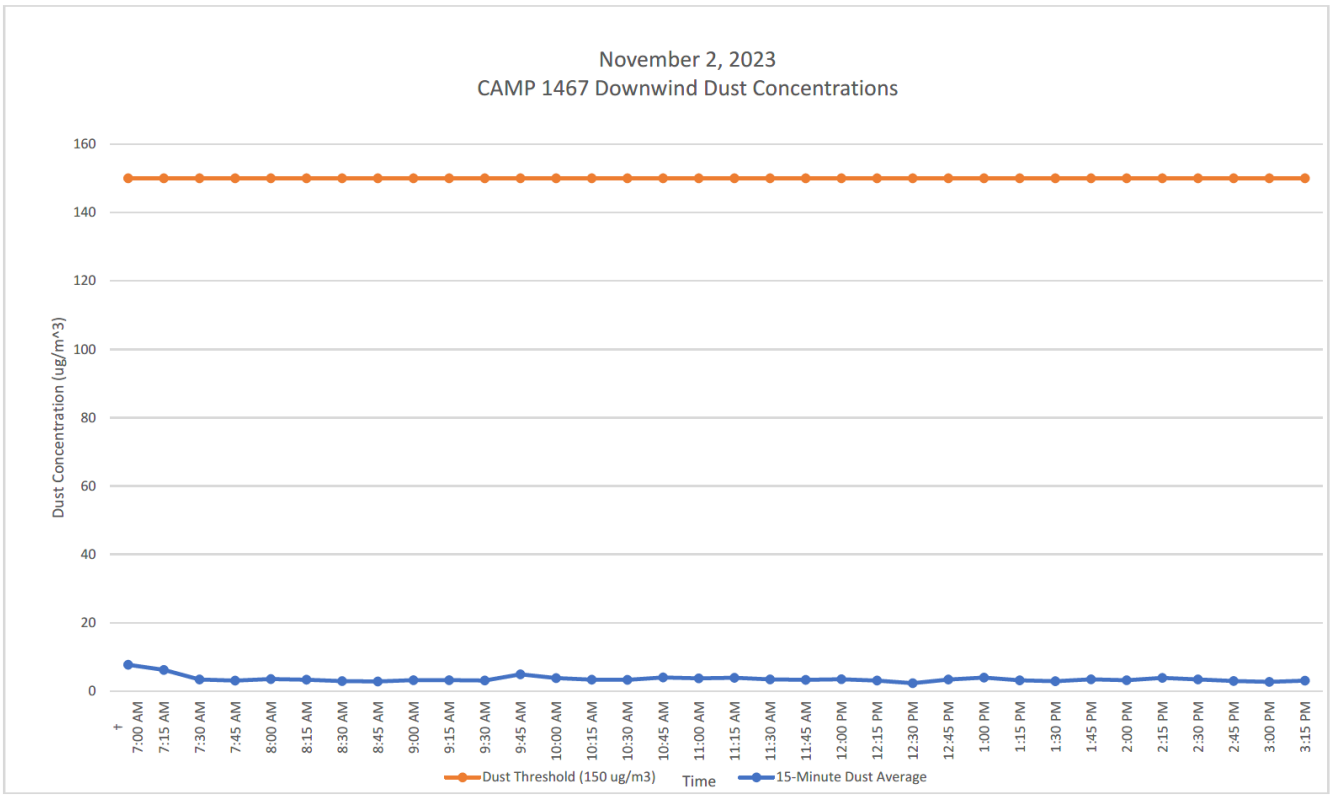


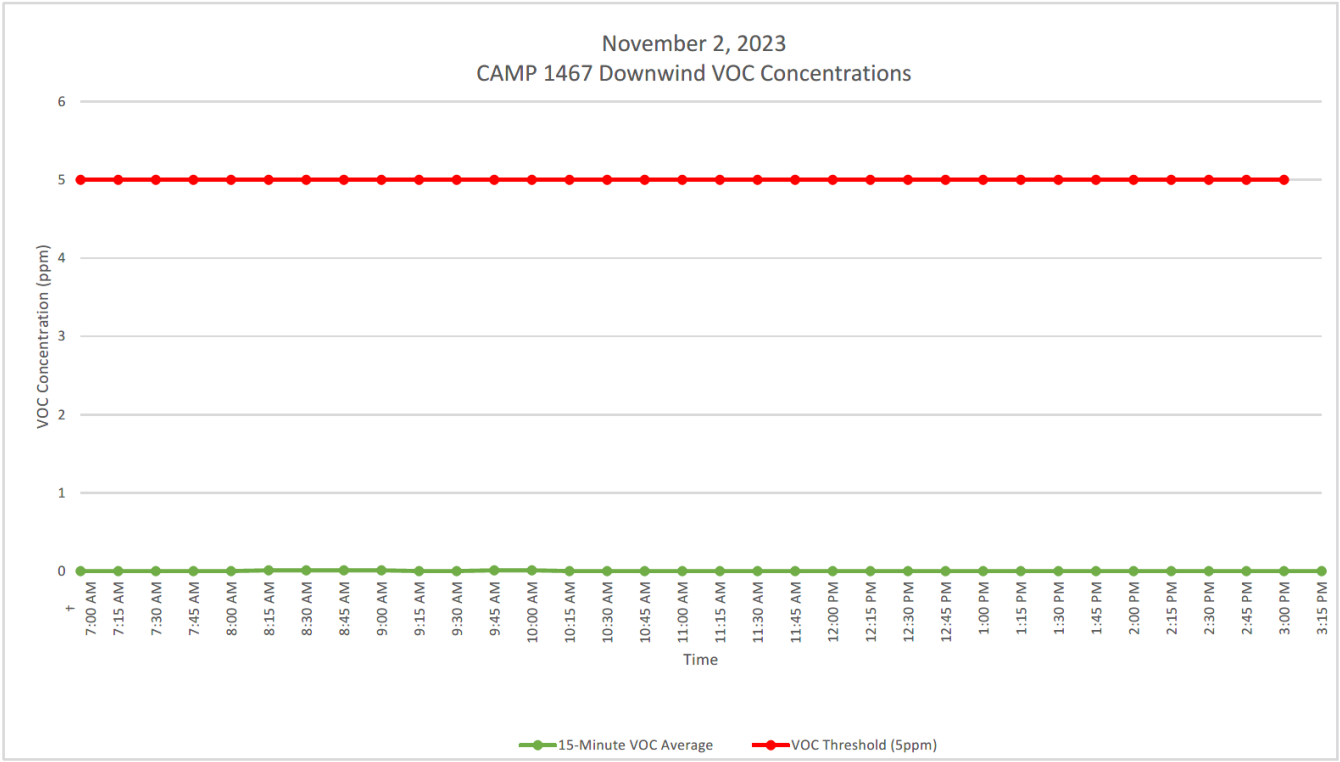


GZA DAILY FIELD SUMMARY 74

DATE: 11/2/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 74

DATE: 11/2/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	417	8,340	1	20	491	9,820
TOTAL	**73**	**1,460**	**418**	**8,360**	**1**	**20**	**492**	**9,840**

GZA DAILY FIELD SUMMARY 74

DATE: 11/2/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	10	259.07	13	337.63
TOTAL	**3**	**78.56**	**10**	**259.07**	**13**	**337.63**

`

GZA DAILY FIELD SUMMARY 75

DATE: 11/3/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	49.38°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	30.71°F
		MAX WIND SPEED	14 mph from SW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, November 3, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**LERA**	

GZA DAILY FIELD SUMMARY 75

DATE: 11/3/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 11/3/2023

Work Location (Attachment A): Grids A5, B1, B2, B3, B4, B5, C3, C4, C5, D2, D3, D4, and D5.

1. J&A continued installing formwork and rebar for the eastern exterior foundation wall in grids D2 and D3.
2. J&A poured concrete in foundation Mat C in grid B2.
3. J&A performed dewatering in grids B1, B2, B3, C3, D4 and D5. A total of 47,063.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- GZA collected endpoint samples EP-09a (B4 at 6' bgs), EP-15a (B5 at 6' bgs), EP17a (A5 at 6' bgs), EP-10 (C4 at 5.5' bgs) and EP-18 (B5 at 5.5' bgs).

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 8.61 ug/m^3
High Conditions – PID: 0.04 ppm, Particulates: 10.62 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported to off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 75

DATE: 11/3/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

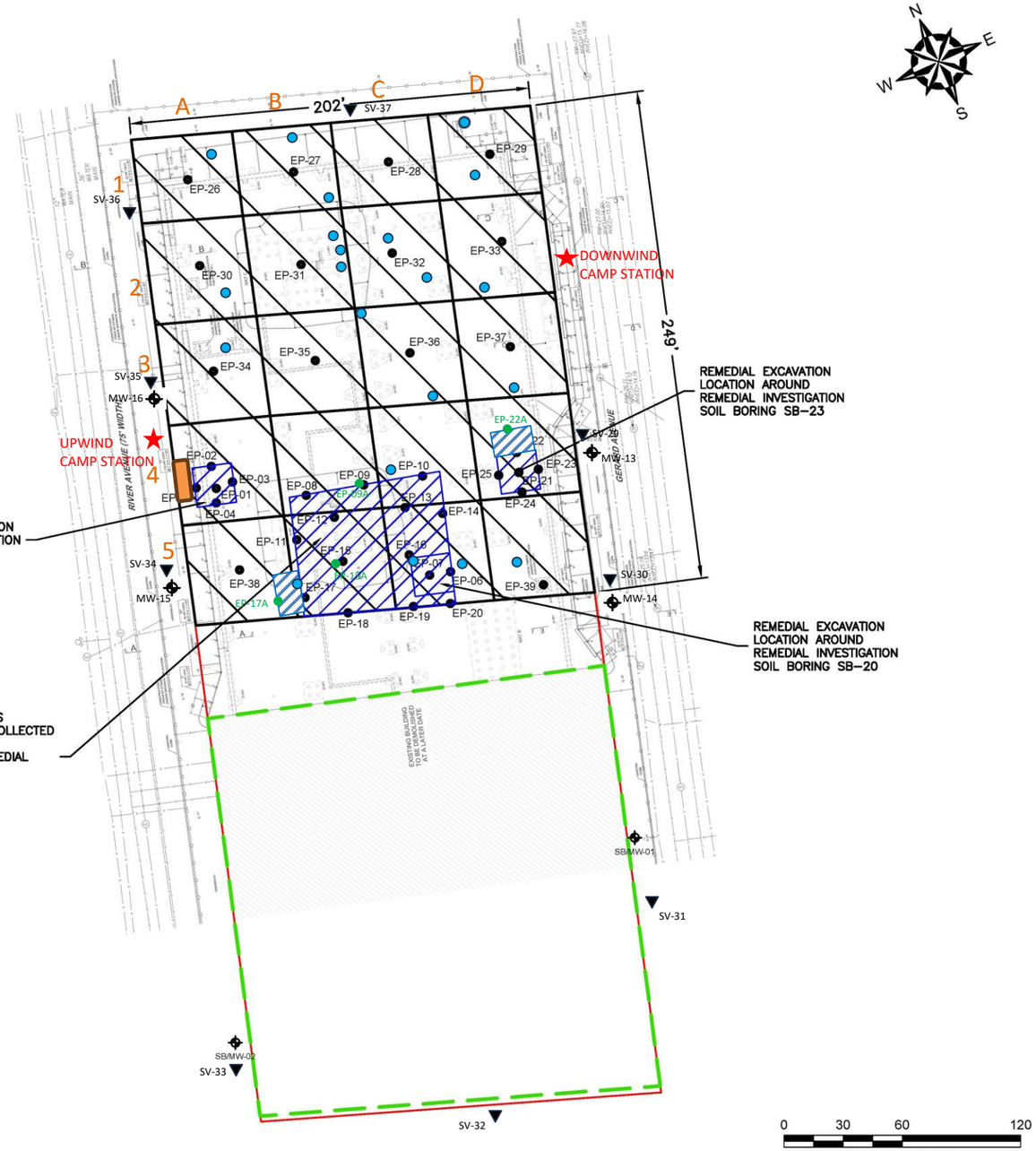
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	47,063.00
Previous	736,368.10
Total	**783,431.10**

GZA DAILY FIELD SUMMARY 75

DATE: 11/3/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

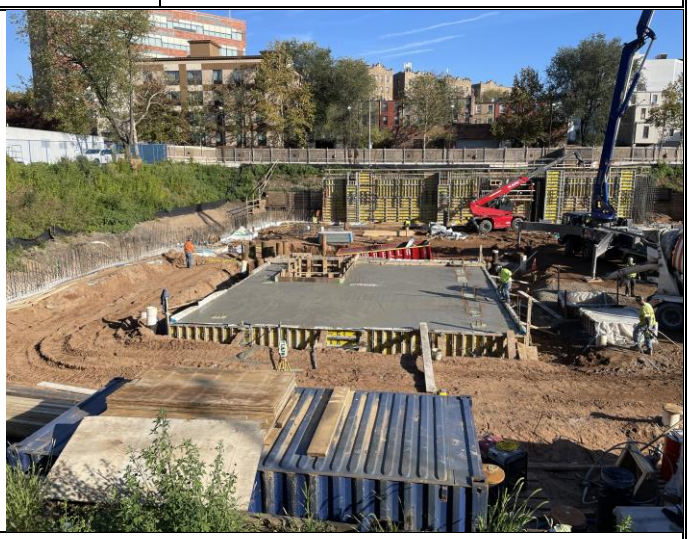
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 75

DATE: 11/3/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** Northwest
Description: J&A pouring concrete in foundation Mat C.		**Description:** J&A continuing concrete pour in southwest section of foundation Mat C.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No.** 4	**Direction Photo Taken** East
			
Description: Rebar and form installation for eastern exterior foundation wall in grids D2 and D3.		**Description:** Concrete pour completed in foundation Mat C.	

GZA DAILY FIELD SUMMARY 75

DATE: 11/3/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 3, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

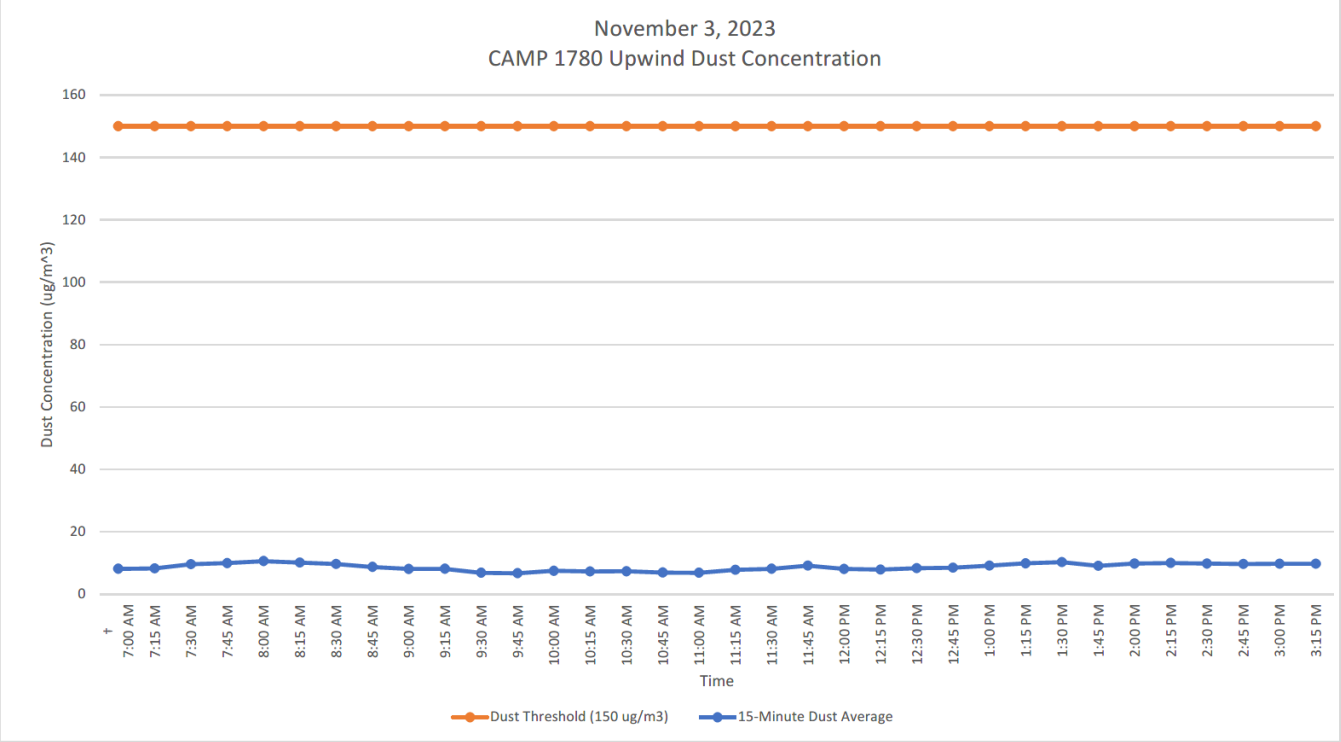
PID 1: 0.0
PID 2: 0.0

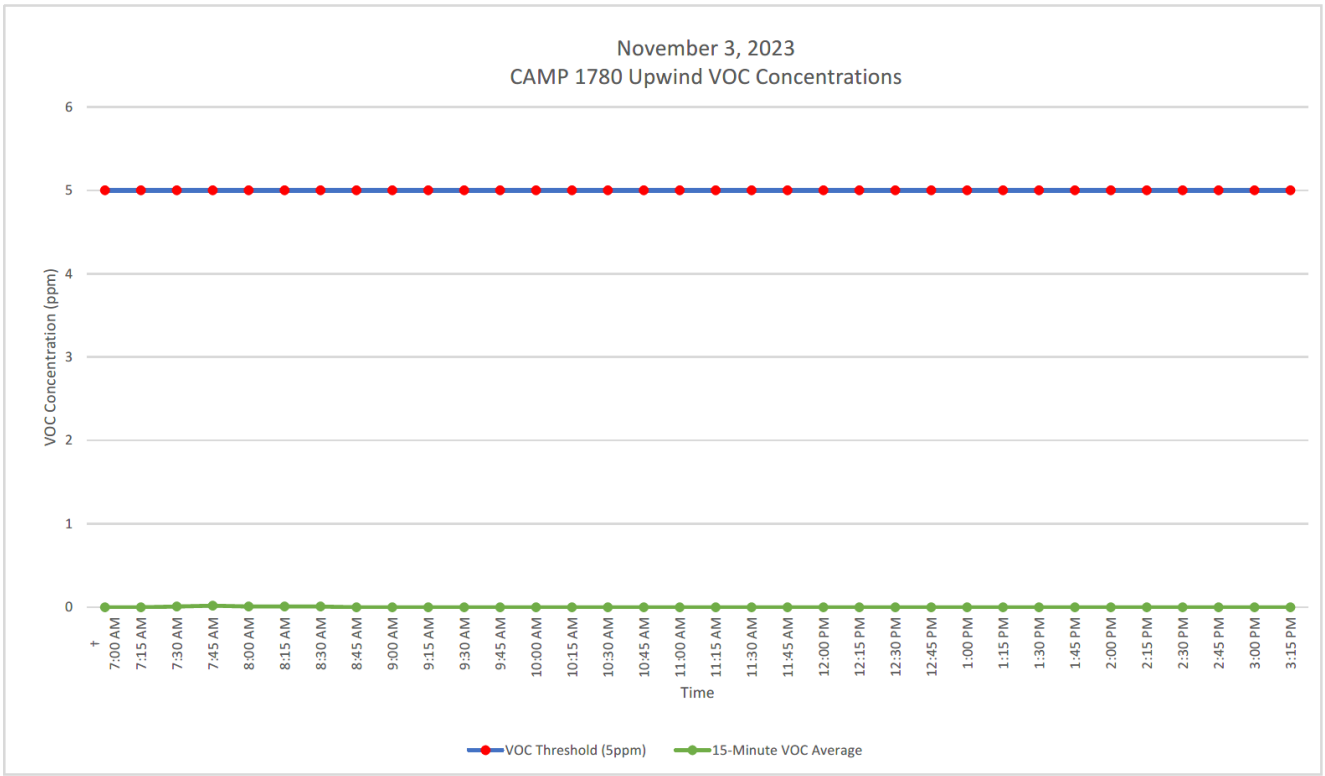
Data Ram 1: 8.61
Data Ram 2: 8.15

GZA DAILY FIELD SUMMARY 75

DATE: 11/3/2023

FILE NO: 41.0163097.00

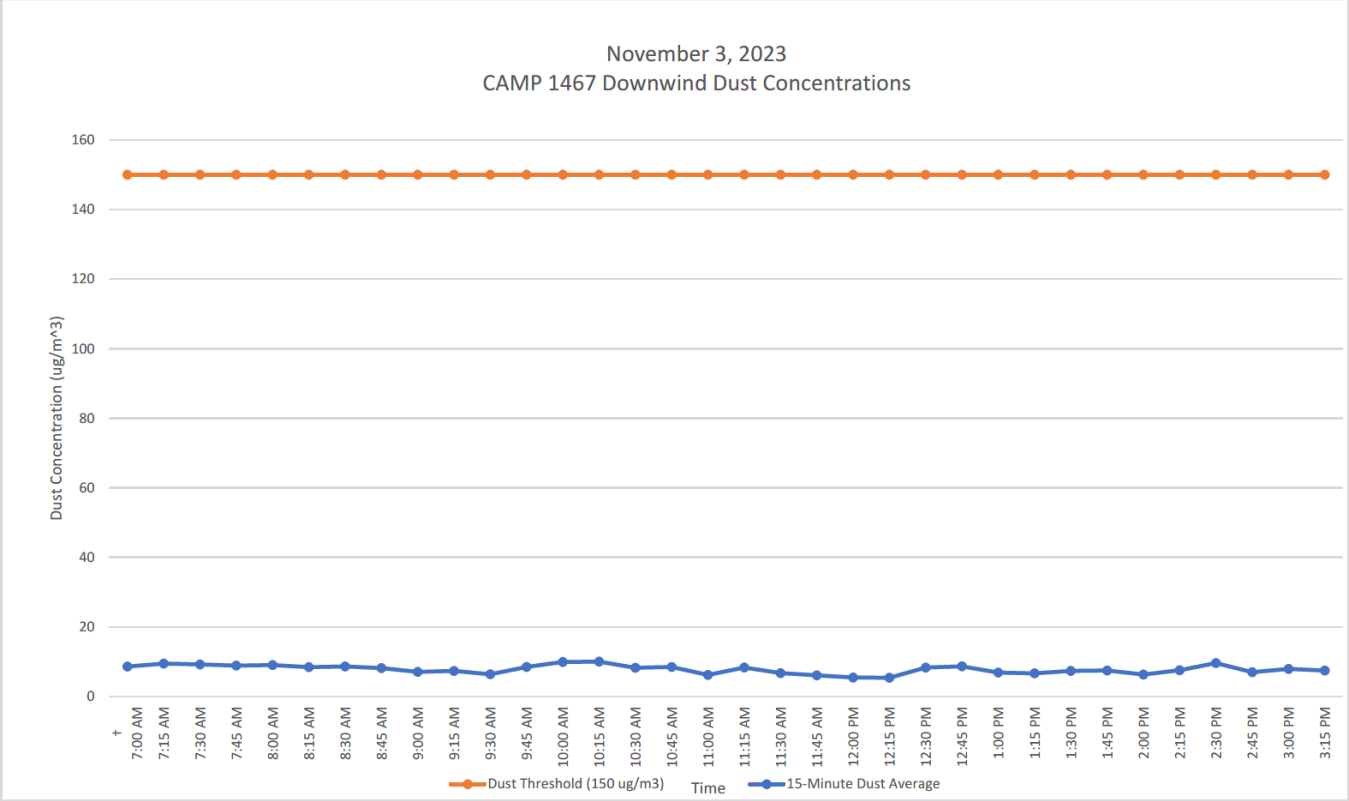


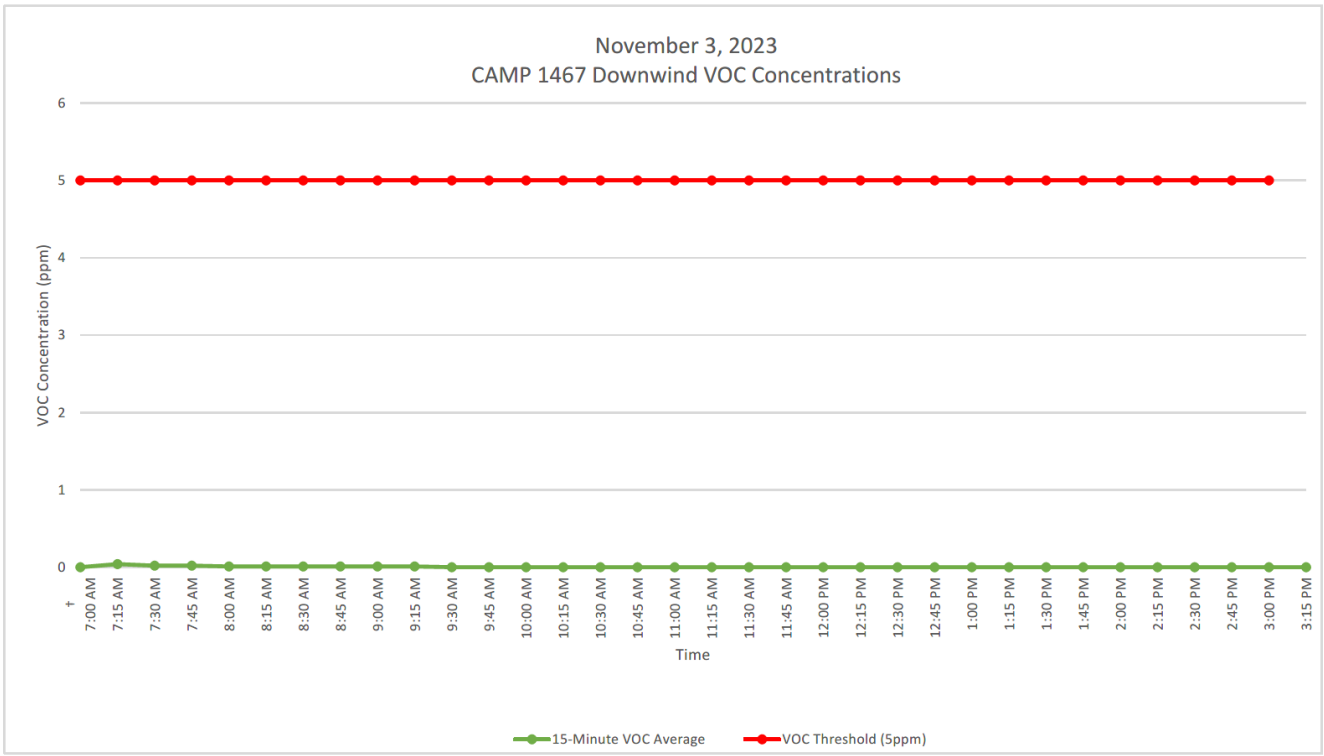


GZA DAILY FIELD SUMMARY 75

DATE: 11/3/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 75

DATE: 11/3/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	417	8,340	1	20	491	9,820
TOTAL	**73**	**1,460**	**418**	**8,360**	**1**	**20**	**492**	**9,840**

GZA DAILY FIELD SUMMARY 75

DATE: 11/3/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	10	259.07	13	337.63
TOTAL	**3**	**78.56**	**10**	**259.07**	**13**	**337.63**

`

GZA DAILY FIELD SUMMARY 76

DATE: 11/6/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	50.56°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	37.08°F
		MAX WIND SPEED	12 mph from SSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, November 6, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**LERA**	

GZA DAILY FIELD SUMMARY 76

DATE: 11/6/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 11/6/2023

Work Location (Attachment A): Grids B1, B2, B3, C3, D1, D2, D3, D4, and D5.

1. Three truckloads of gas permeable aggregates from Tilcon New York, Inc. were delivered by Shamrock Materials, LLC and stockpiled in grid B3.
2. J&A installed formwork for the eastern exterior foundation wall in grids D3, D4 and D5.
3. J&A poured concrete for the eastern exterior foundation wall in grids D1, D2 and D3.
4. J&A excavated an area in grid D5, then placed formwork in the excavated area and filled with a layer of gas permeable aggregate.
5. J&A performed dewatering in grids B1, B2, B3, C3, D4 and D5. A total of 47,379.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 8.61 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 15.33 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported to off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Three truckloads (77.85 tons) of gas permeable aggregates from Tilcon New York, Inc. were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 76

DATE: 11/6/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

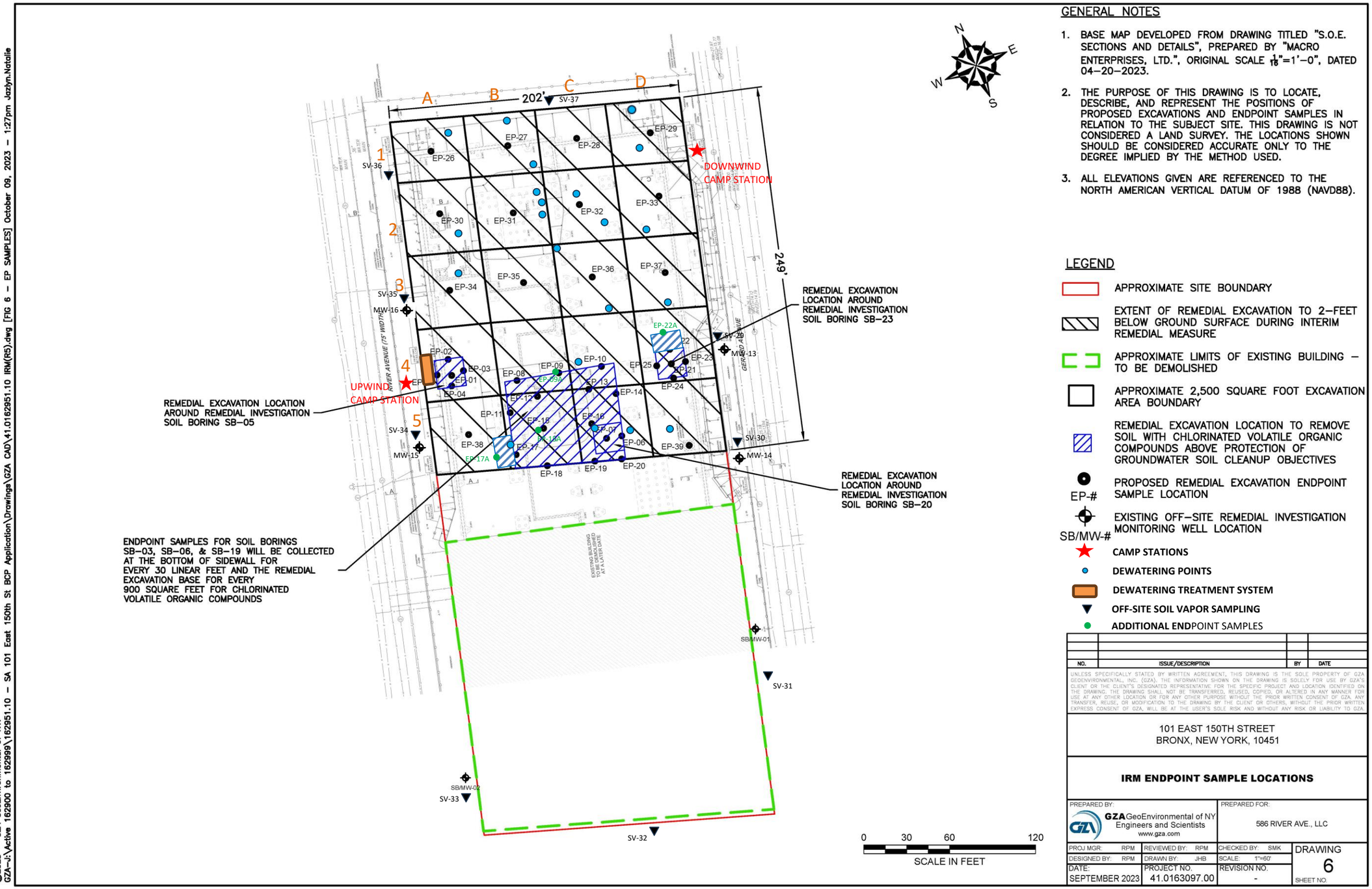
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	47,379.00
Previous	783,431.10
Total	**830,810.10**

GZA DAILY FIELD SUMMARY 76

DATE: 11/6/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 76

DATE: 11/6/2023
FILE NO: 41.0163097.00

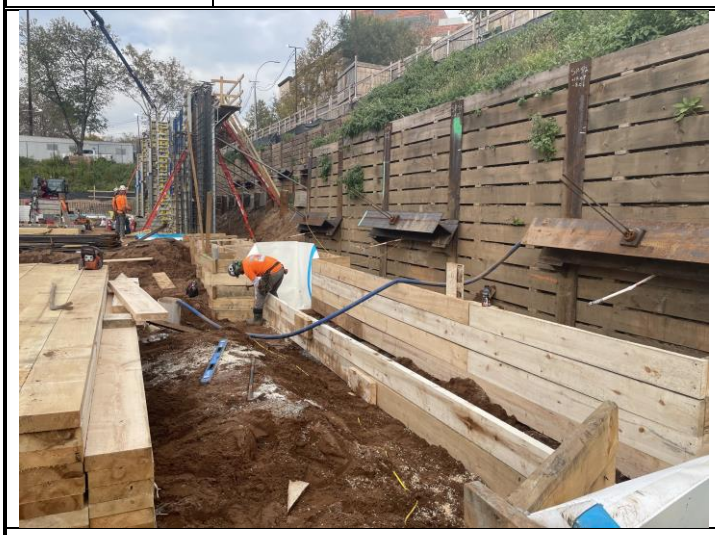
ATTACHMENT B – PHOTO LOG

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	Southeast	2	Northeast

Description: Tilcon gas permeable aggregates delivered to grid B3.

Description: Formwork placed in excavated area in Grid D5, filled with layer of gas permeable aggregate by J&A.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
3	Northeast	4	Northeast



Description: Form installation for eastern exterior foundation wall in grids D4 and D5.

Description: J&A pouring concrete for eastern foundation wall in grids D1, D2 and D3.

GZA DAILY FIELD SUMMARY 76

DATE: 11/6/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 6, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

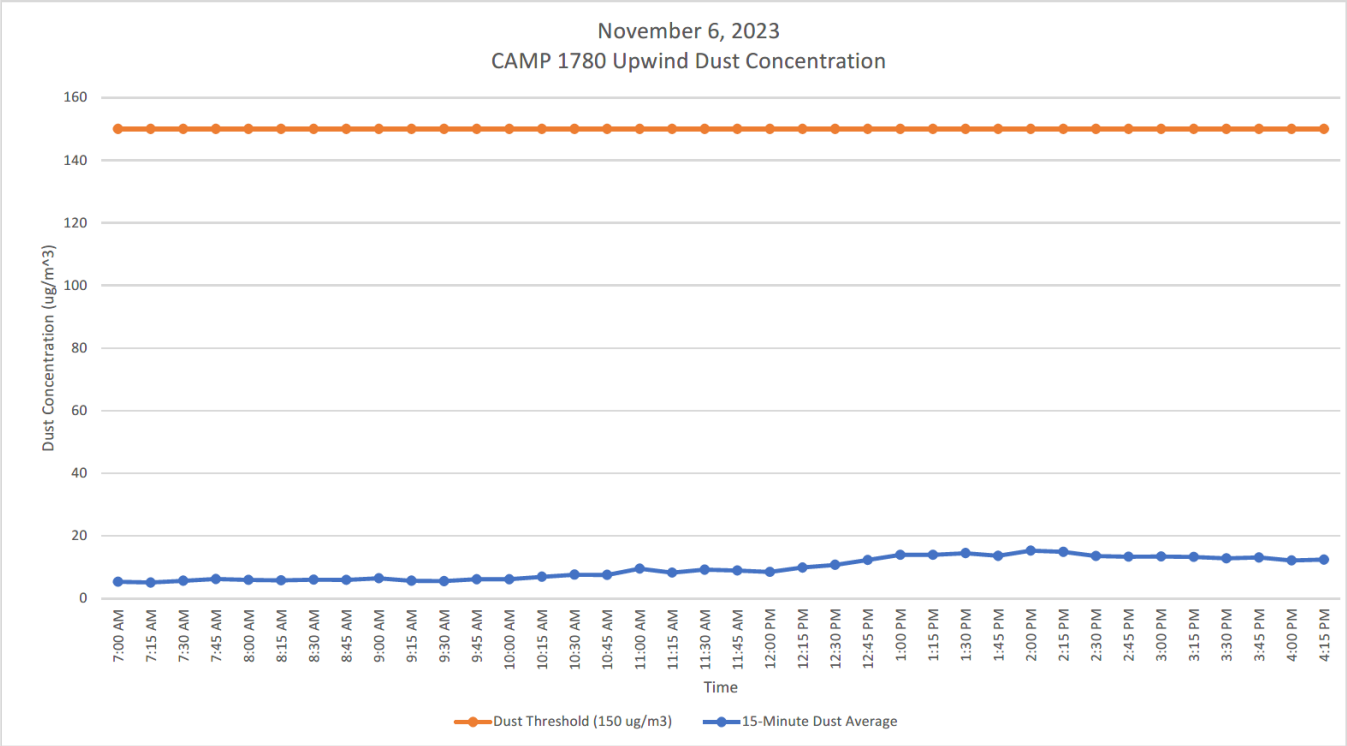
Background Readings:
PID 1: 0.2
PID 2: 0.0

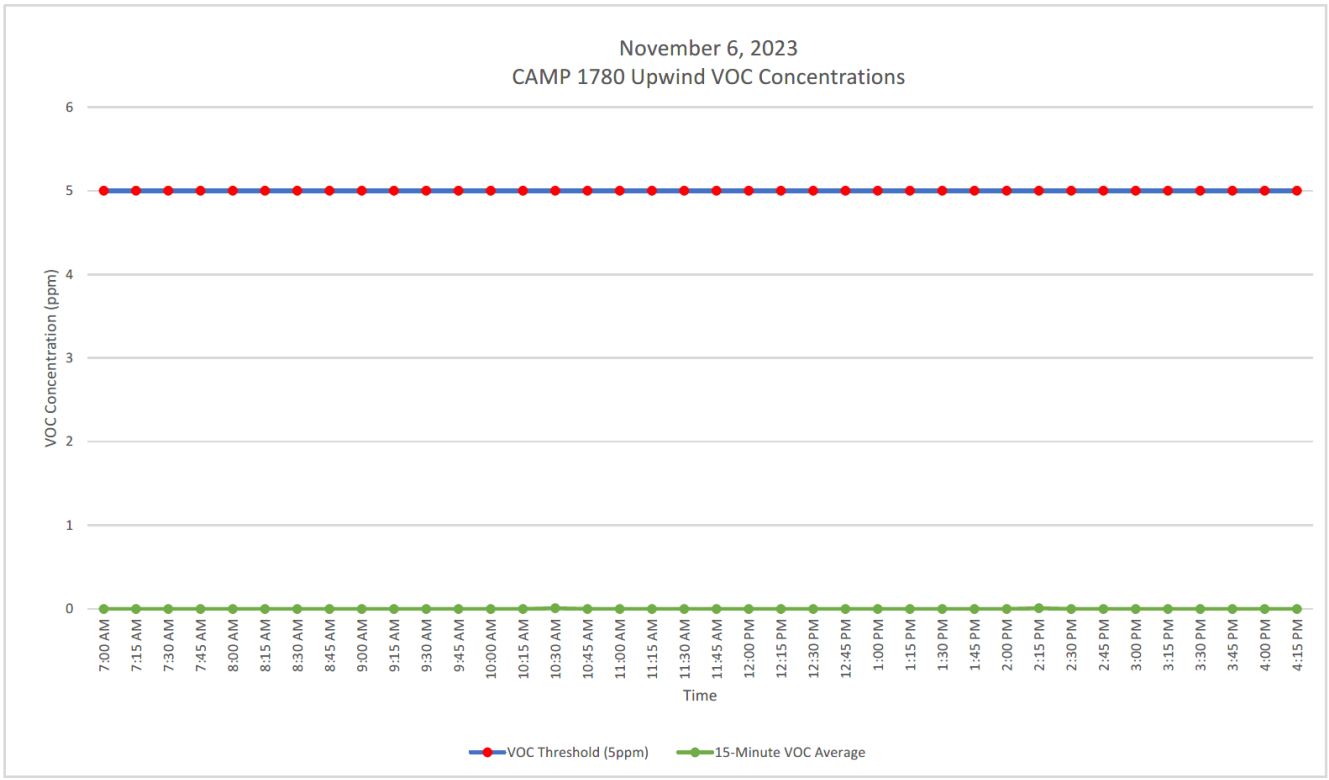
Data Ram 1: 4.66
Data Ram 2: 5.35

GZA DAILY FIELD SUMMARY 76

DATE: 11/6/2023

FILE NO: 41.0163097.00

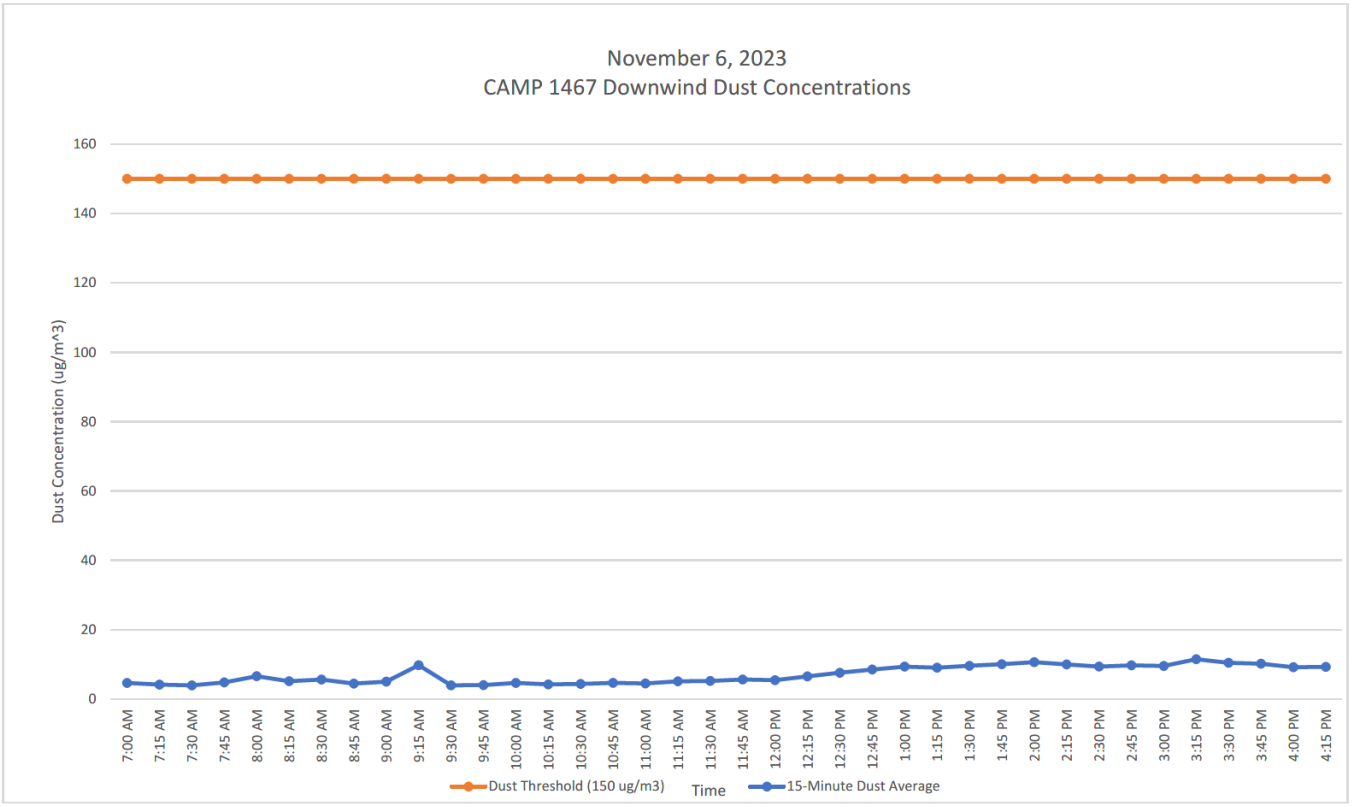


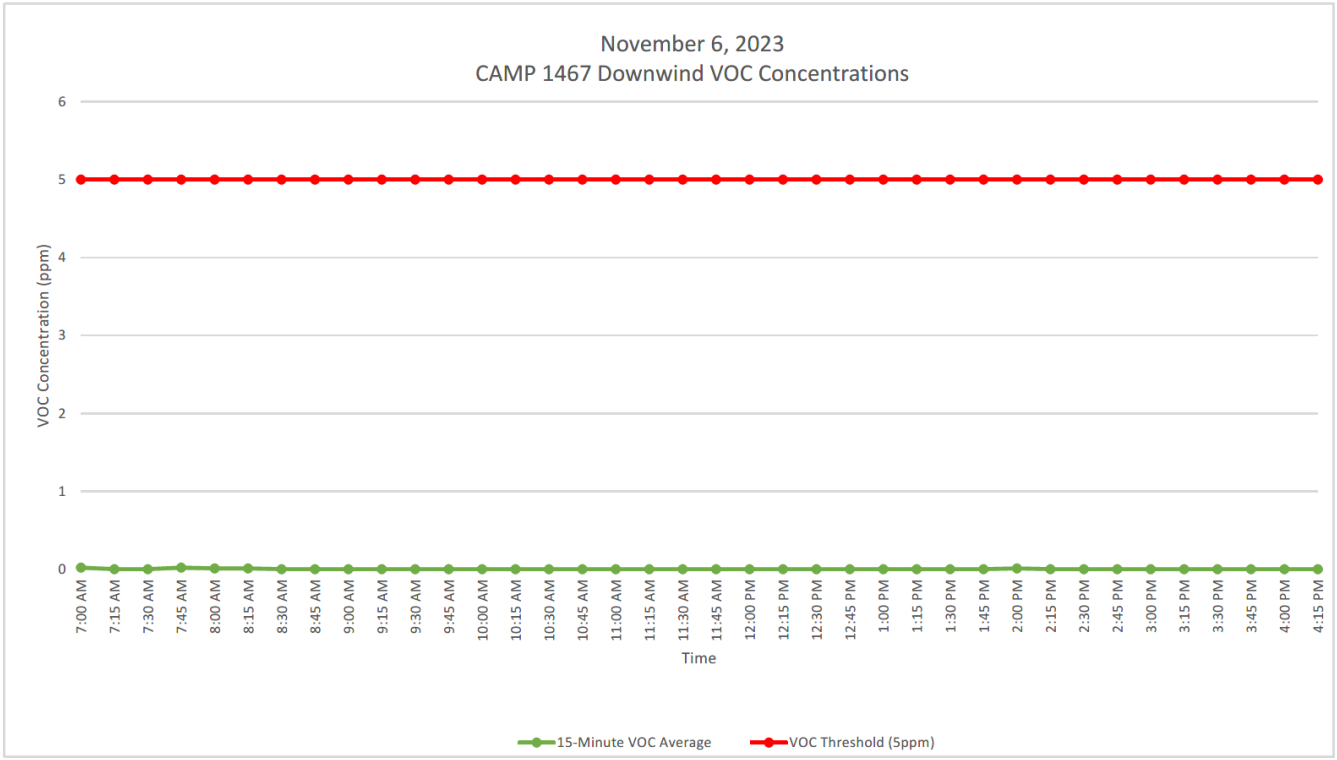


GZA DAILY FIELD SUMMARY 76

DATE: 11/6/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 76

DATE: 11/6/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	417	8,340	1	20	491	9,820
TOTAL	**73**	**1,460**	**418**	**8,360**	**1**	**20**	**492**	**9,840**

GZA DAILY FIELD SUMMARY 76

DATE: 11/6/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	3	77.85	3	77.85
Previous	3	78.56	10	259.07	13	337.63
TOTAL	**3**	**78.56**	**13**	**336.92**	**16**	**415.48**

`

GZA DAILY FIELD SUMMARY 77

DATE: 11/7/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	59.67°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	47.08°F
		MAX WIND SPEED	15 mph from WSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, November 7, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:	**LERA**	

GZA DAILY FIELD SUMMARY 77

DATE: 11/7/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 11/7/2023

Work Location (Attachment A): Grids B1, B2, B3, C3, D1, D2, D3, D4, and D5.

1. J&A installed formwork for the northern exterior foundation wall in grids D4 and D5.
2. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in formwork located in grids C5, D4 and D5. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps.
3. J&A installed rebar inside formwork in grids C5 and D5.
4. Crown installed BITUTHENE System 4000 waterproofing/vapor barrier in the northeast section of foundation Mat C in grid B2. Seams and penetrations were sealed with BITUTHENE® Liquid Membrane to prevent gaps.
5. J&A performed dewatering in grids B1, B2, B3, C3, D4 and D5. A total of 43,238.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 15.54 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 19.75 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported to off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 77

DATE: 11/7/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

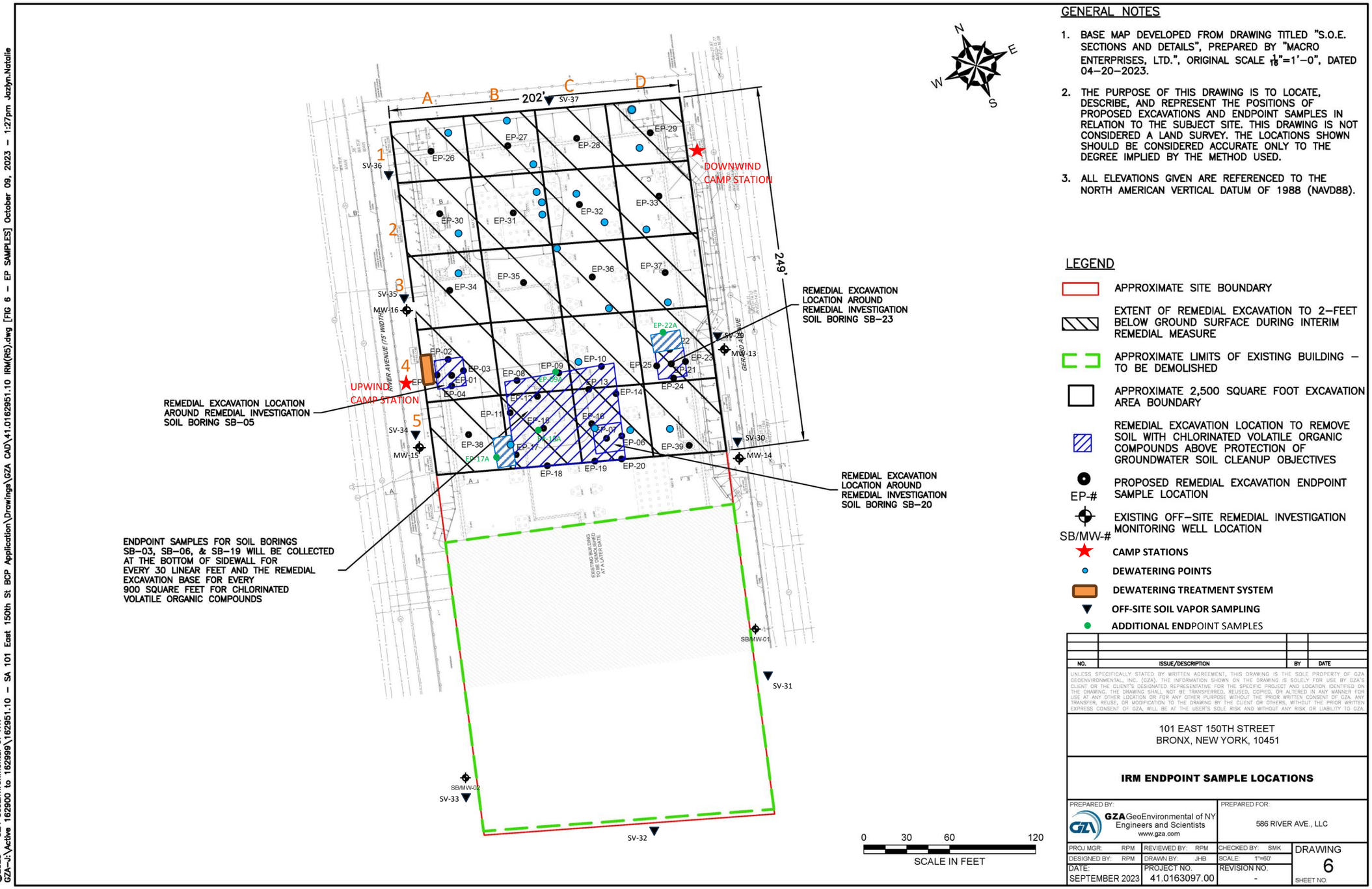
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	43,238.00
Previous	830,810.10
Total	**874,048.10**

GZA DAILY FIELD SUMMARY 77

DATE: 11/7/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 77

DATE: 11/7/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	Southwest	2	Northeast

Description: Crown Waterproofing installing vapor barrier in formwork located in grid C5.

Description: J&A installing rebar inside formwork in grids C5 and D5.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
3	Southeast	4	East

Description: Crown waterproofing installing Bituthene vapor barrier in northeast section of foundation Mat C.

Description: J&A installing formwork for northern foundation wall in grids D4 and D5.

GZA DAILY FIELD SUMMARY 77

DATE: 11/7/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 7, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

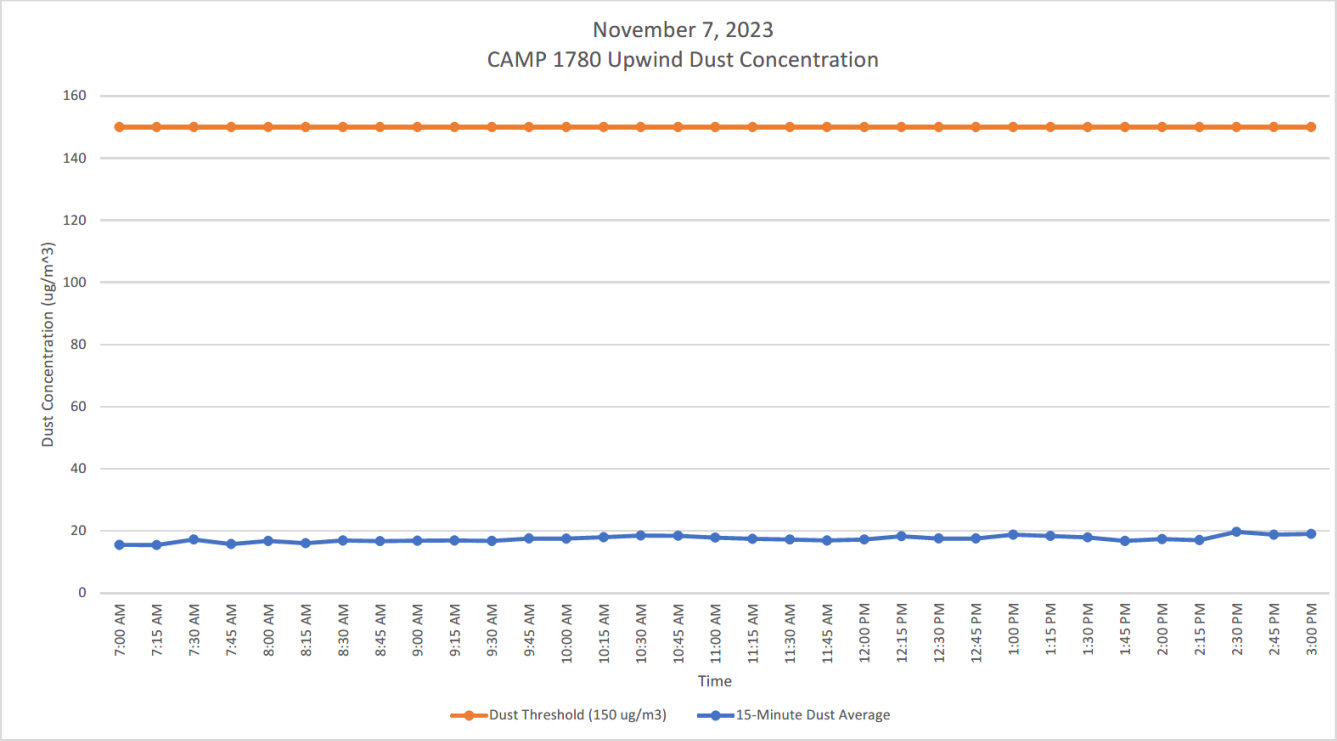
PID 1: 0.0
PID 2: 0.0

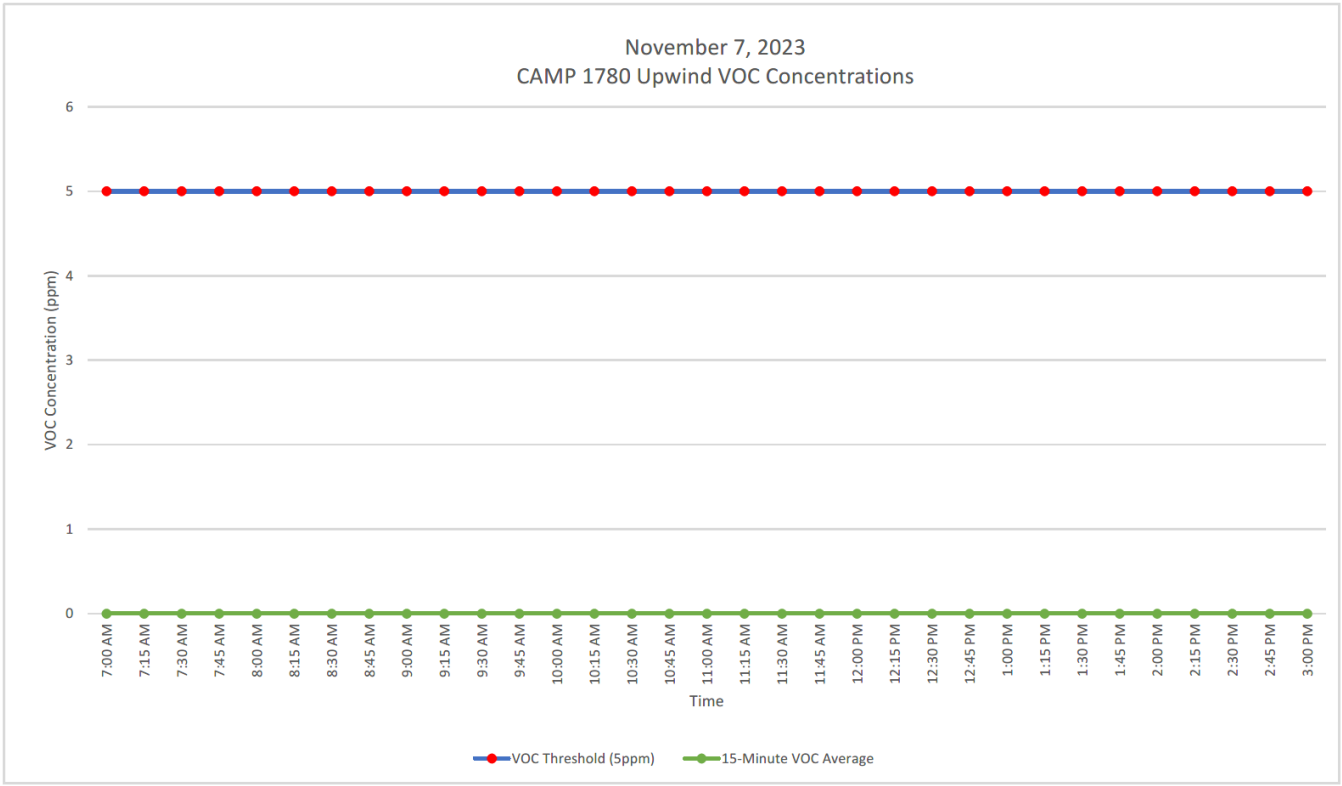
Data Ram 1: 15.54
Data Ram 2: 14.80

GZA DAILY FIELD SUMMARY 77

DATE: 11/7/2023

FILE NO: 41.0163097.00

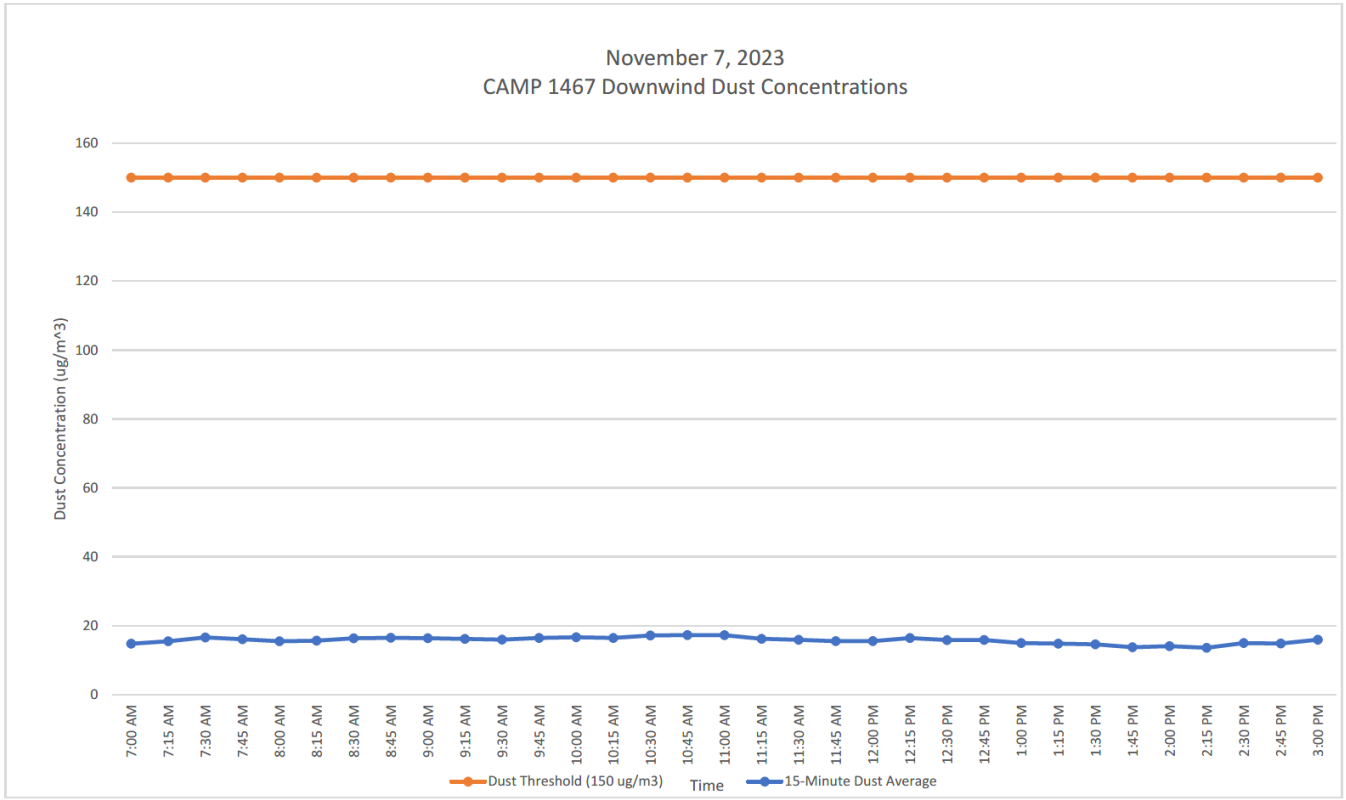


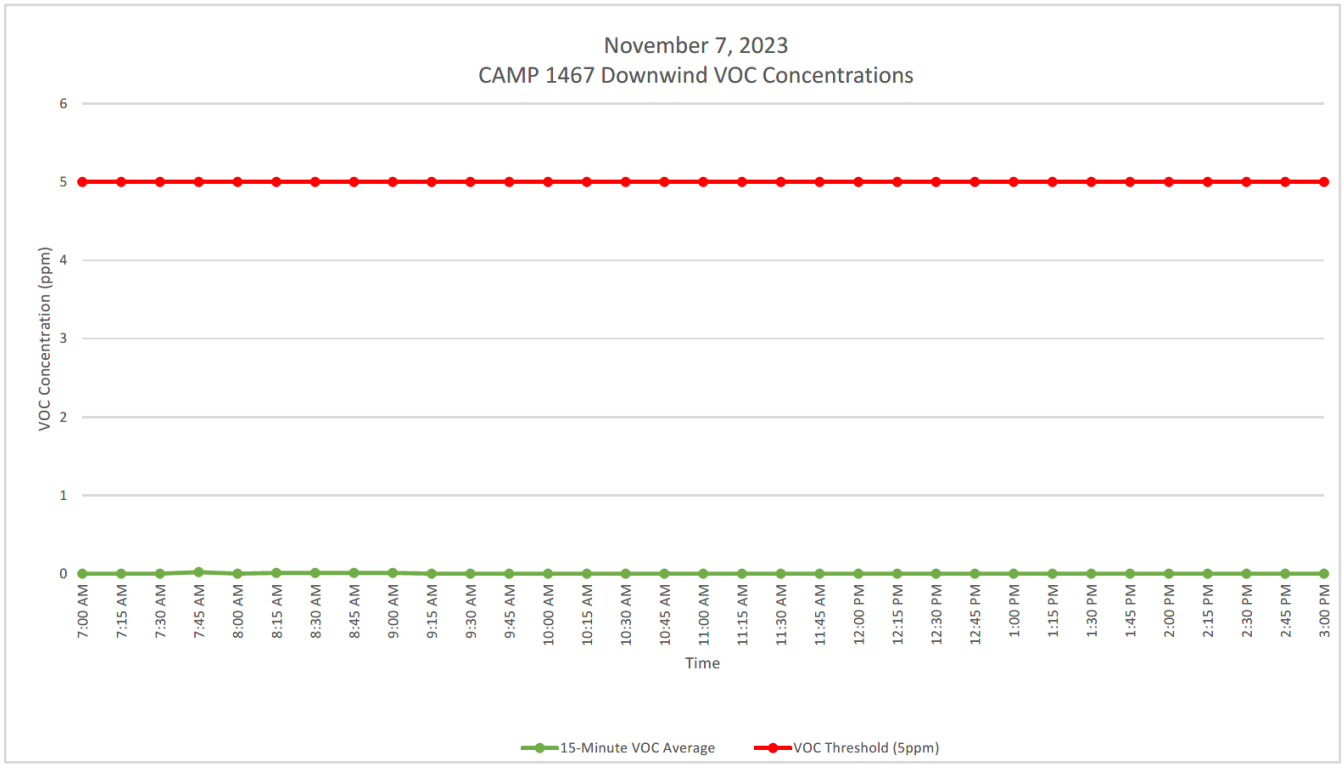


GZA DAILY FIELD SUMMARY 77

DATE: 11/7/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 77

DATE: 11/7/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	417	8,340	1	20	491	9,820
TOTAL	**73**	**1,460**	**418**	**8,360**	**1**	**20**	**492**	**9,840**

GZA DAILY FIELD SUMMARY 77

DATE: 11/7/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0
Previous	3	78.56	13	336.92	16	415.48
TOTAL	**3**	**78.56**	**13**	**336.92**	**16**	**415.48**

`

GZA DAILY FIELD SUMMARY 78

DATE: 11/8/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	47.88°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	25.92°F
		MAX WIND SPEED	18 mph from SW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, November 8, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**LERA**	

GZA DAILY FIELD SUMMARY 78

DATE: 11/8/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 11/8/2023

Work Location (Attachment A): Grids A4, B1, B2, B3, C3 D1, D2, D3, D4, and D5.

1. Three truckloads (47.92 tons) of pipe sand from North American Aggregates were delivered onsite by Munoz Trucking Inc. and stockpiled in grid B3.
2. J&A installed formwork and rebar for the northern and eastern exterior foundation walls in grids C1, D1, D4 and D5.
3. J&A continued to install rebar inside formwork in grids C4,C5 and D5.
4. J&A backfilled the excavated area adjacent to the northern and eastern portion of foundation Mat C.
5. J&A poured concrete in piles and pile caps in grids A4, B4, C4, D4 and D5.
6. J&A performed dewatering in grids B1, B2, B3, D4 and D5. A total of 27,764.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.67 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 8.15 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported to off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Three truckloads (47.92 tons) of pipe sand from North American Aggregates were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 78

DATE: 11/8/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

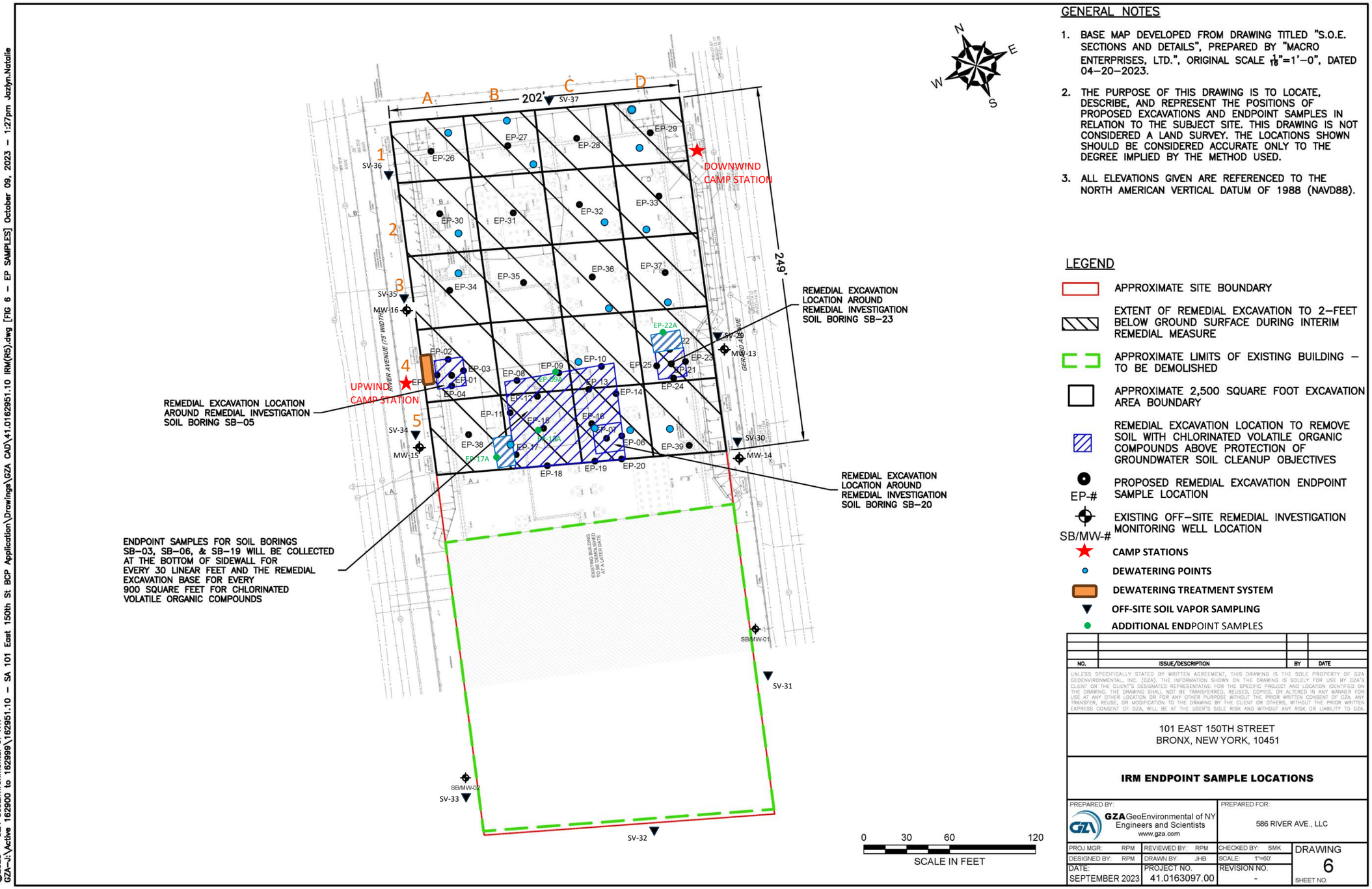
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	27,764.00
Previous	874,048.10
Total	**901,812.10**

GZA DAILY FIELD SUMMARY 78

DATE: 11/8/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

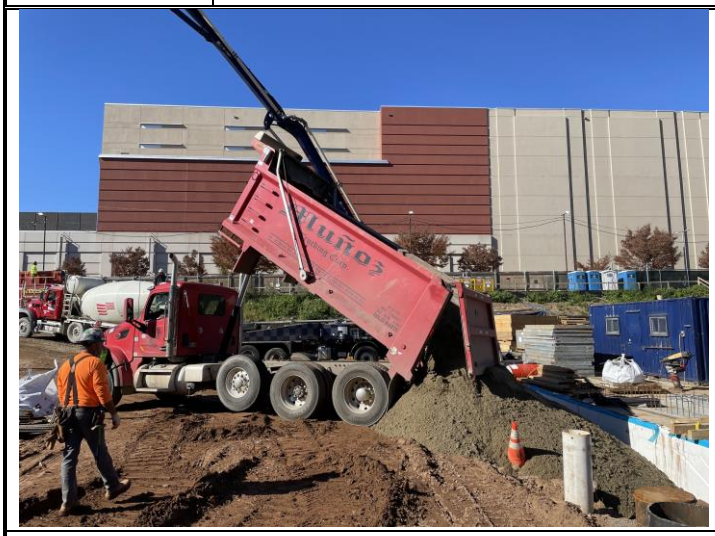
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 78

DATE: 11/8/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: West	Photo No. 2	Direction Photo Taken Southeast
			
Description: Munoz Trucking delivering truckload of pipe sand to grid B3.		**Description:** J&A installing rebar inside formwork in grids C4.	
Photo No. 3	**Direction Photo Taken:** North	**Photo No. 4**	**Direction Photo Taken** East
Description: J&A pouring concrete for pile cap in grid C4.		**Description:** J&A installing formwork for pile cap in grid C1.	

GZA DAILY FIELD SUMMARY 78

DATE: 11/8/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 8, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

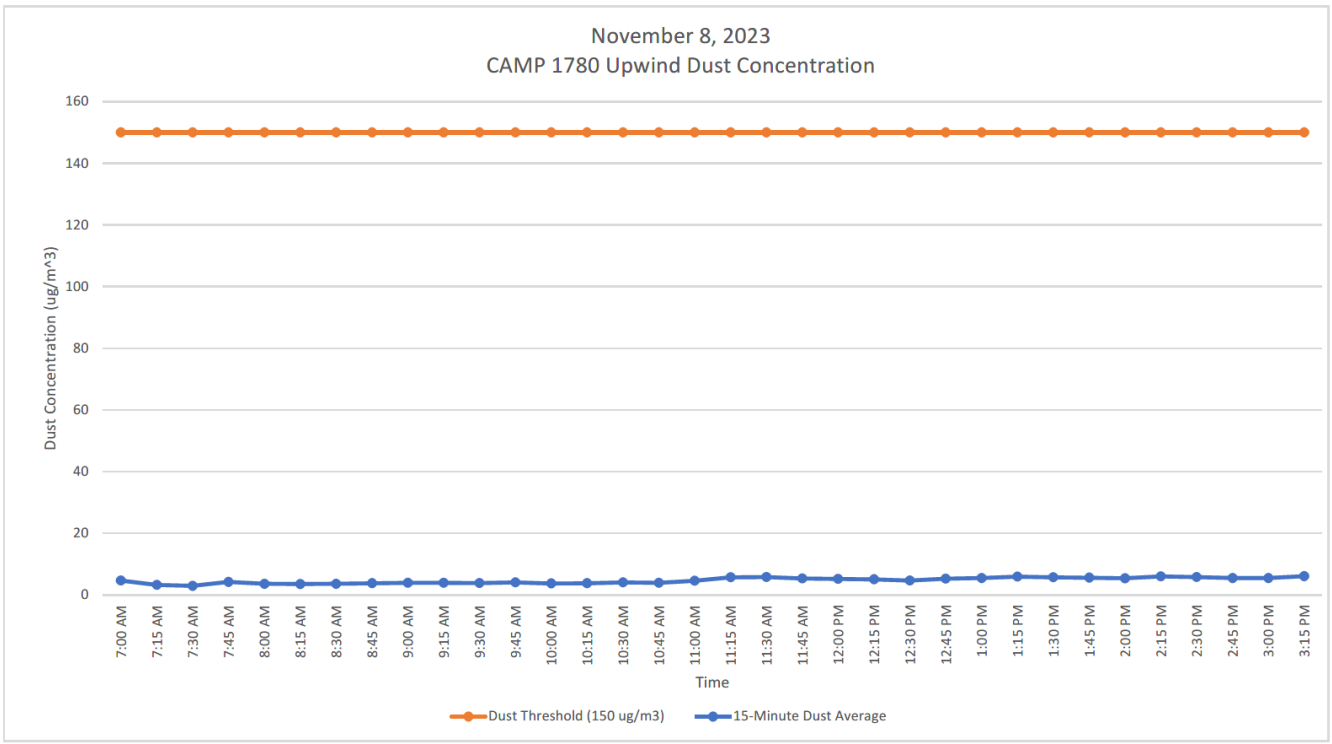
PID 1: 0.0
PID 2: 0.0

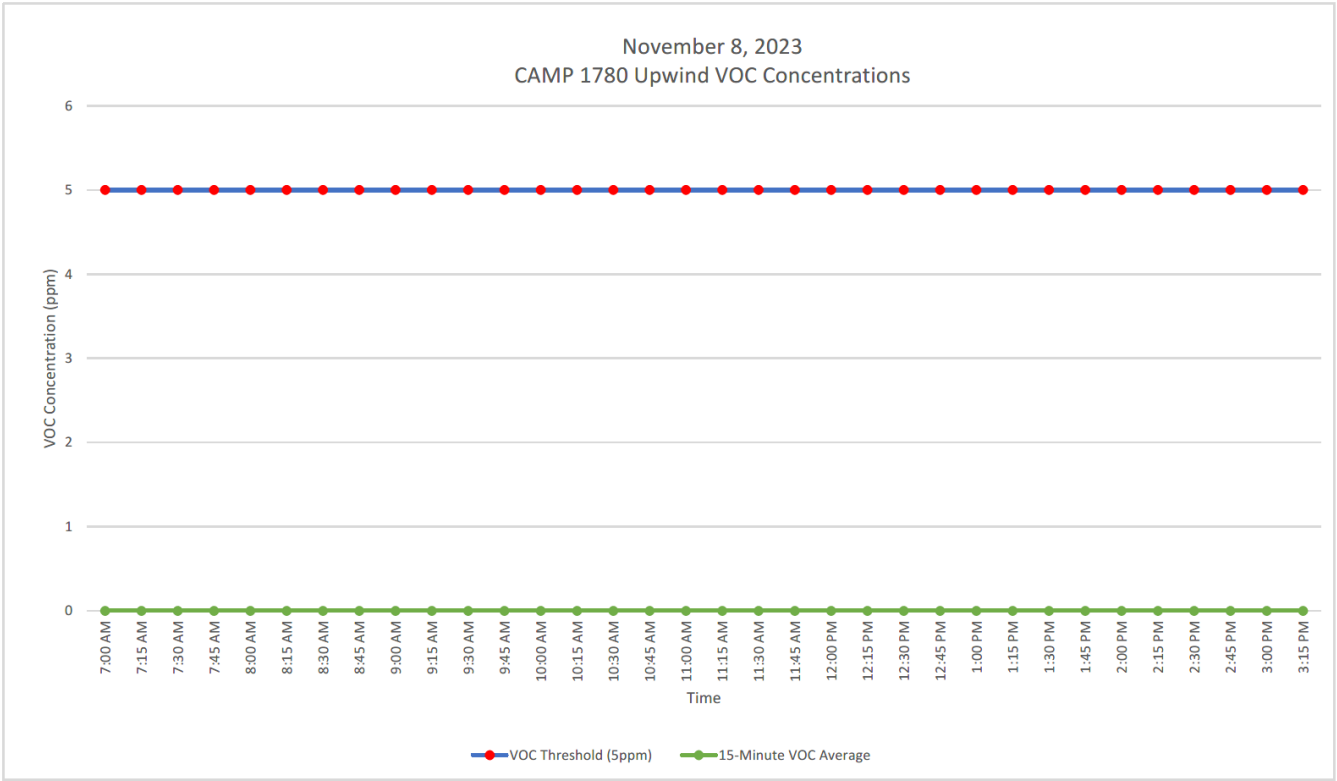
Data Ram 1: 4.67
Data Ram 2: 1.99

GZA DAILY FIELD SUMMARY 78

DATE: 11/8/2023

FILE NO: 41.0163097.00

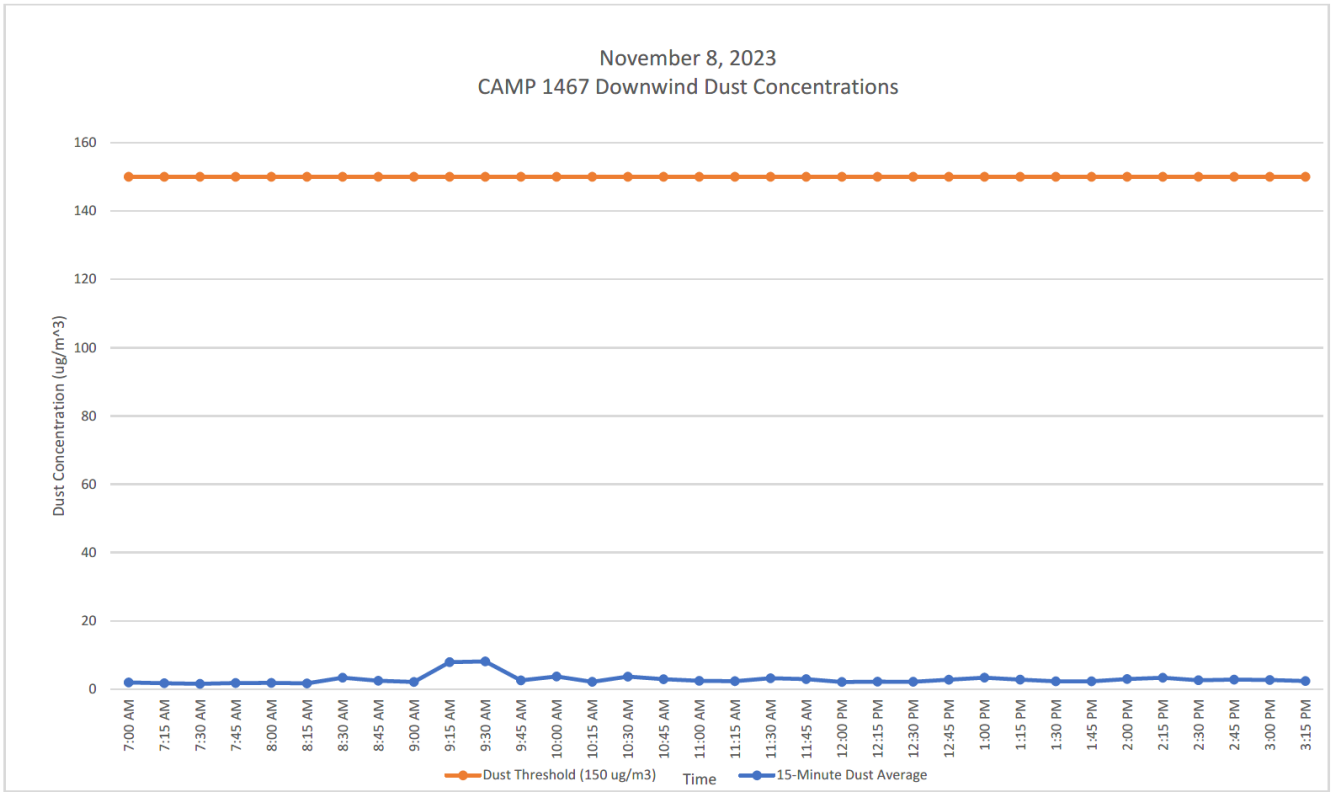


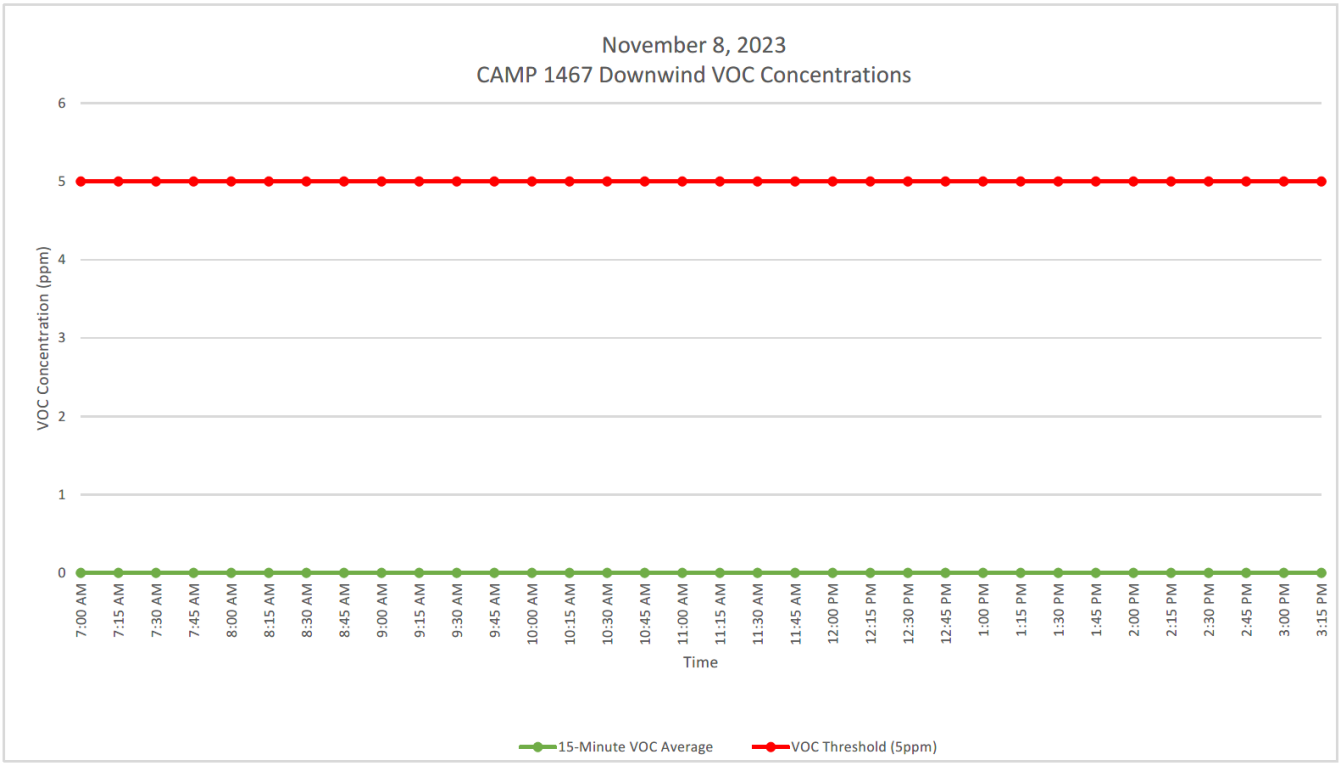


GZA DAILY FIELD SUMMARY 78

DATE: 11/8/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 78

DATE: 11/8/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	417	8,340	1	20	491	9,820
TOTAL	**73**	**1,460**	**418**	**8,360**	**1**	**20**	**492**	**9,840**

GZA DAILY FIELD SUMMARY 78

DATE: 11/8/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	2	47.92	2	47.92
Previous	3	78.56	13	336.92	0	0	16	415.48
TOTAL	**3**	**78.56**	**13**	**336.92**	**2**	**47.92**	**18**	**463.40**

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GZA DAILY FIELD SUMMARY 79

DATE: 11/9/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	51.59°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	38.7°F
		MAX WIND SPEED	10 mph from W
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, November 9, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**LERA**	
	Crown Waterproofing	

GZA DAILY FIELD SUMMARY 79

DATE: 11/9/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 11/9/2023

Work Location (Attachment A): Grids A2, A3, B1, B2, B3, C1, C2, D1, and D5.

1. Three truckloads (65.18 tons) of pipe sand from North American Aggregates were delivered onsite by Munoz Trucking Inc. and stockpiled in grid B3.
2. J&A installed formwork and rebar for the northern and eastern exterior foundation walls in grids C1 and D1.
3. J&A excavated in Grids A2, A3, and C2 for installation of formwork for pile caps. J&A placed formwork in each grid and spread gas permeable aggregates within the formwork for stable subgrade for waterproofing/vapor barrier membrane.
4. J&A backfilled the excavated area adjacent to the northern and eastern portion of foundation Mat C.
5. J&A performed dewatering in grids B1, B2, and B3. A total of 18,473.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 6.45 ug/m^3
High Conditions – PID: 0.03 ppm, Particulates: 16.02 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported to off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Three truckloads (65.18 tons) of pipe sand from North American Aggregates were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 79

DATE: 11/9/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

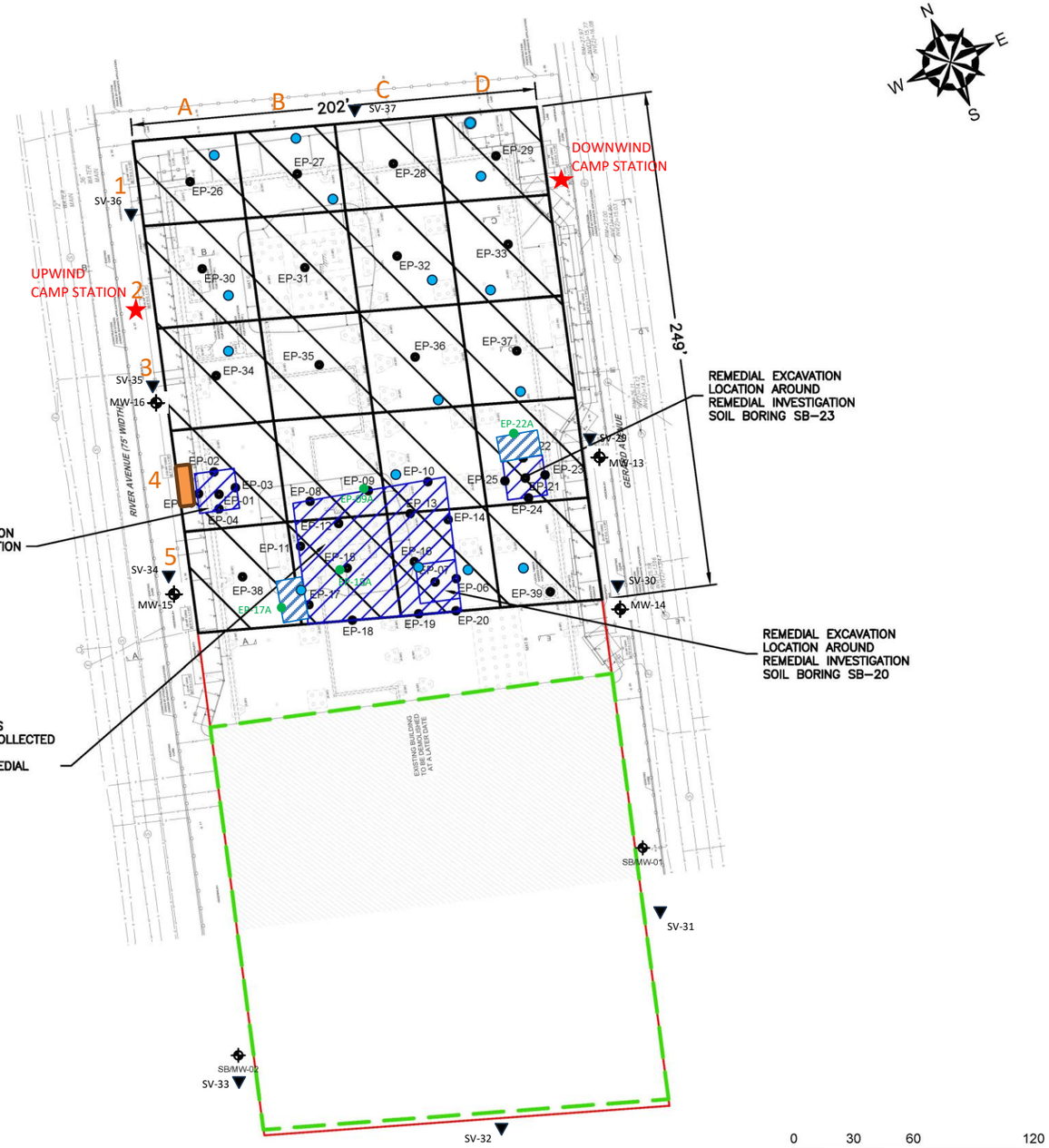
	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	18,473.00
Previous	901,812.10
Total	**920,285.10**

GZA DAILY FIELD SUMMARY 79

DATE: 11/9/2023

FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 79

DATE: 11/9/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken Northeast
Description: Munoz Trucking delivering truckload of pipe sand to grid B3.		**Description:** J&A installing rebar for northern foundation wall in grids C1 and D1.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No. 4**	**Direction Photo Taken** West
Description: spread gas permeable aggregates within the formwork in grids A2 and A3.		**Description:** J&A dewatering in grid A3.	

GZA DAILY FIELD SUMMARY 79

DATE: 11/9/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 9, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

Background Readings:

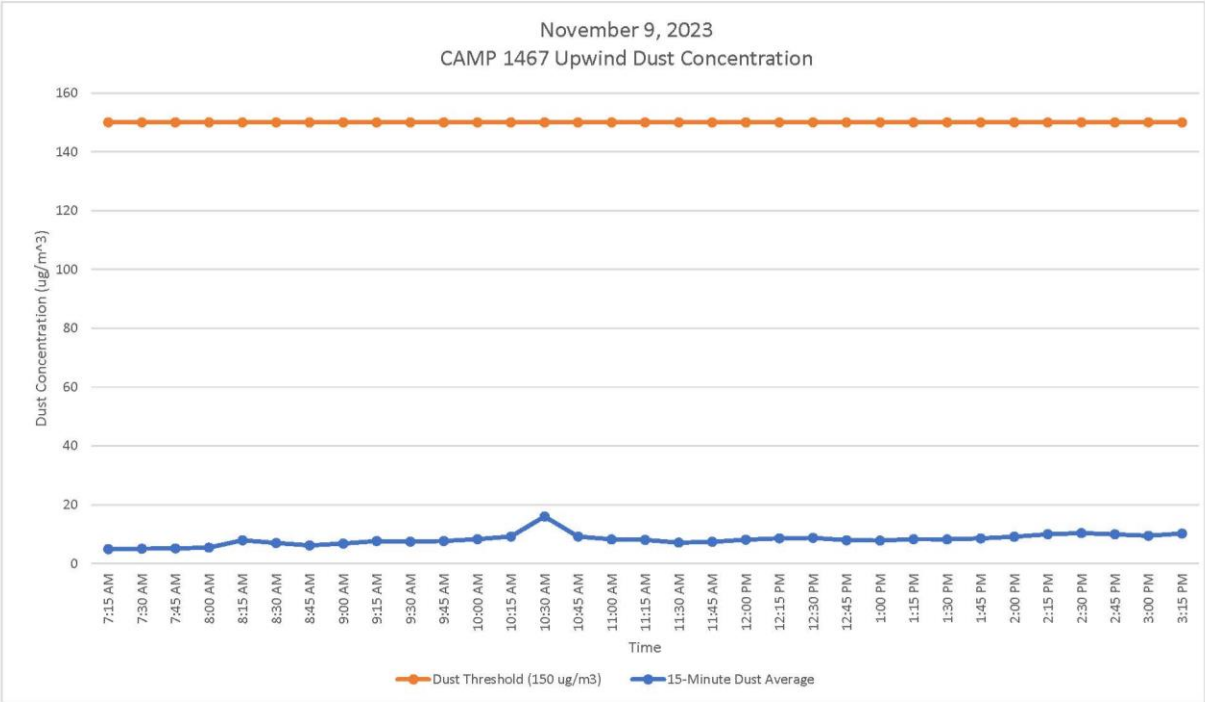
PID 1: 0.0
PID 2: 0.0

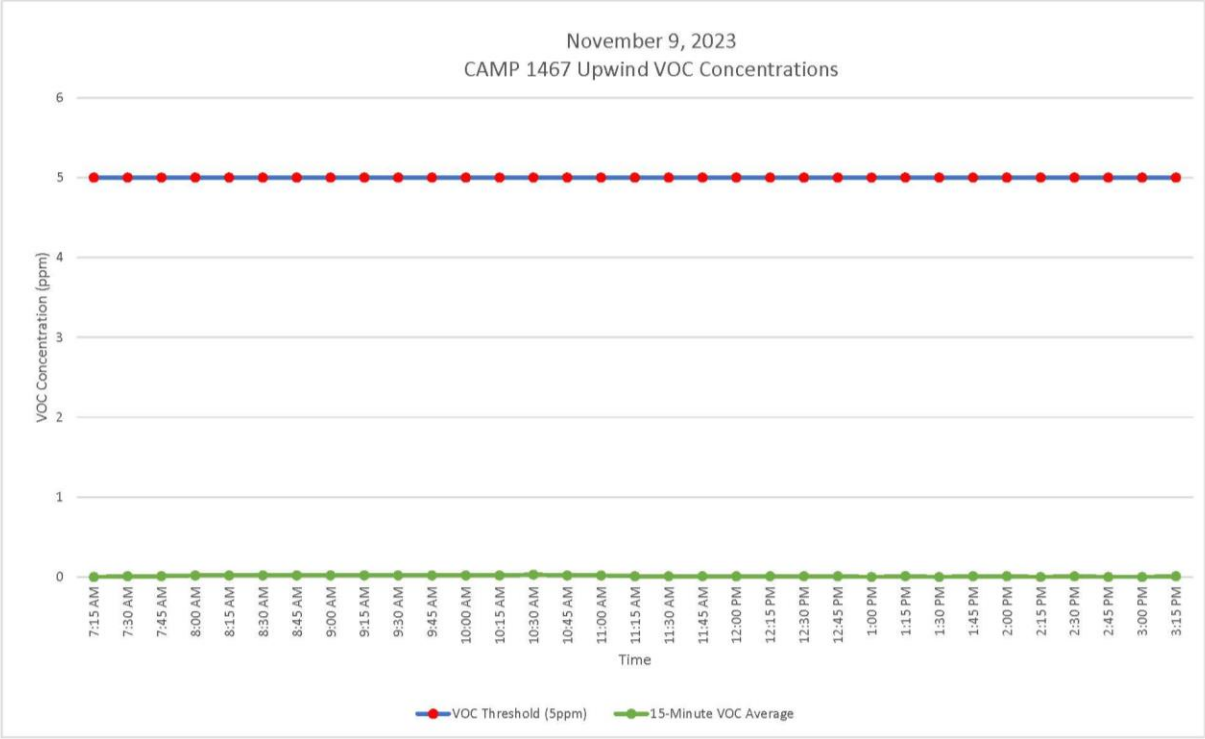
Data Ram 1: 4.95
Data Ram 2: 6.45

GZA DAILY FIELD SUMMARY 79

DATE: 11/9/2023

FILE NO: 41.0163097.00

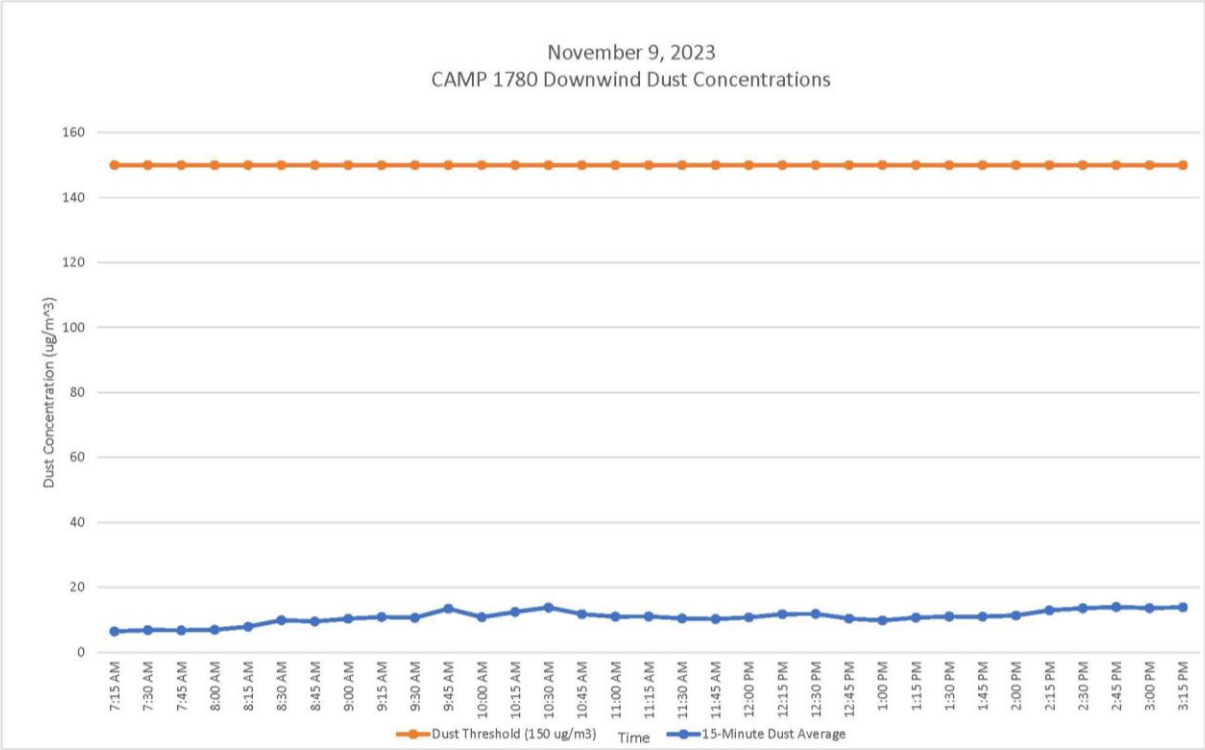


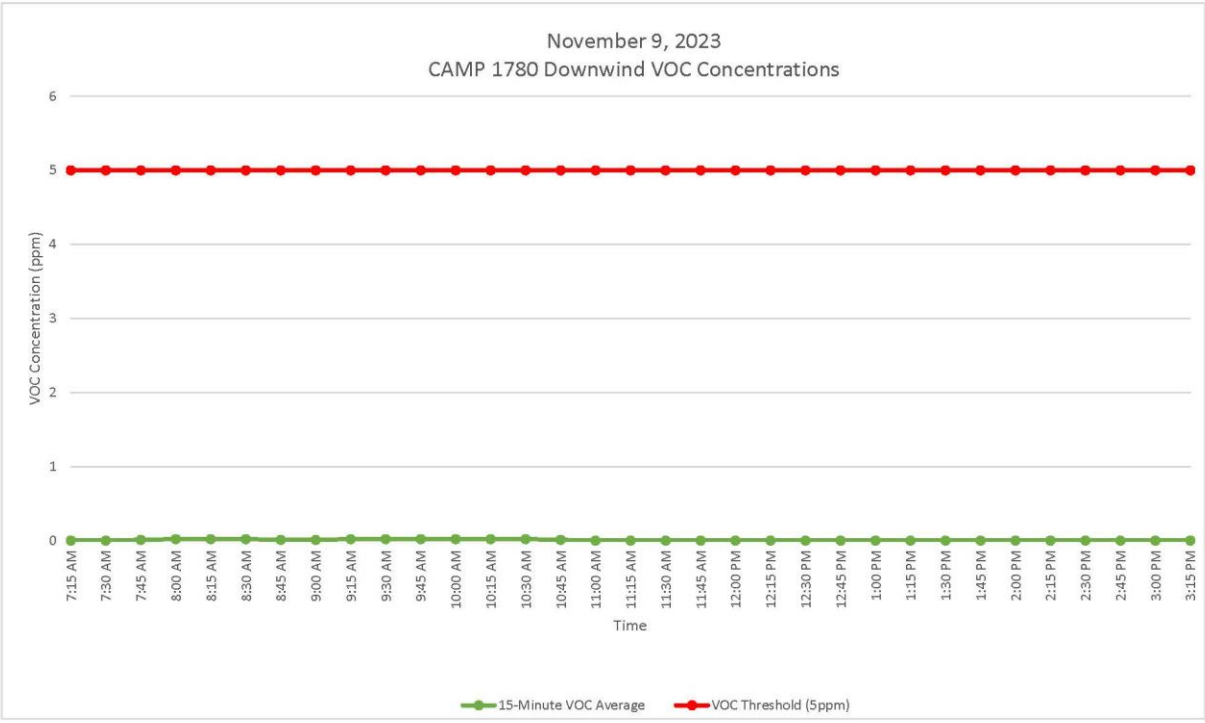


GZA DAILY FIELD SUMMARY 79

DATE: 11/9/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 79

DATE: 11/9/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	417	8,340	1	20	491	9,820
TOTAL	**73**	**1,460**	**418**	**8,360**	**1**	**20**	**492**	**9,840**

GZA DAILY FIELD SUMMARY 79

DATE: 11/9/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	3	65.18	3	65.18
Previous	3	78.56	13	336.92	2	47.92	18	463.40
TOTAL	**3**	**78.56**	**13**	**336.92**	**5**	**113.1**	**21**	**528.58**

`

GZA DAILY FIELD SUMMARY 80

DATE: 11/10/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	51.63°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	31.88°F
		MAX WIND SPEED	14 mph from W
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, November 10, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
	SRM Concrete	
SITE VISITORS:	**LERA**	
	Mamadou Balde	
	North Atlantic Aggregates	
	Danilo Custodio	

GZA DAILY FIELD SUMMARY 80

DATE: 11/10/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 11/10/2023

Work Location (Attachment A): Grids A2, A3, C1, C2, and D1.

1. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in pile caps and grade beams in grids A2, A3, C1 and C2. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps.
2. J&A installed formwork and rebar for the northern and eastern exterior foundation walls in grids C1 and D1.
3. J&A installed rebar in pile caps and grade beams in grids C1 and C2.
4. J&A poured concrete in piles, pile caps, and grade beam in grids A3, C1, and C2, as well as the northern and eastern exterior foundation walls in grids C1 and D1.
5. J&A performed dewatering in grids A2, A3 B1, B2, and B3. A total of 22,801.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.49 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 10.88 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported to off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 80

DATE: 11/10/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

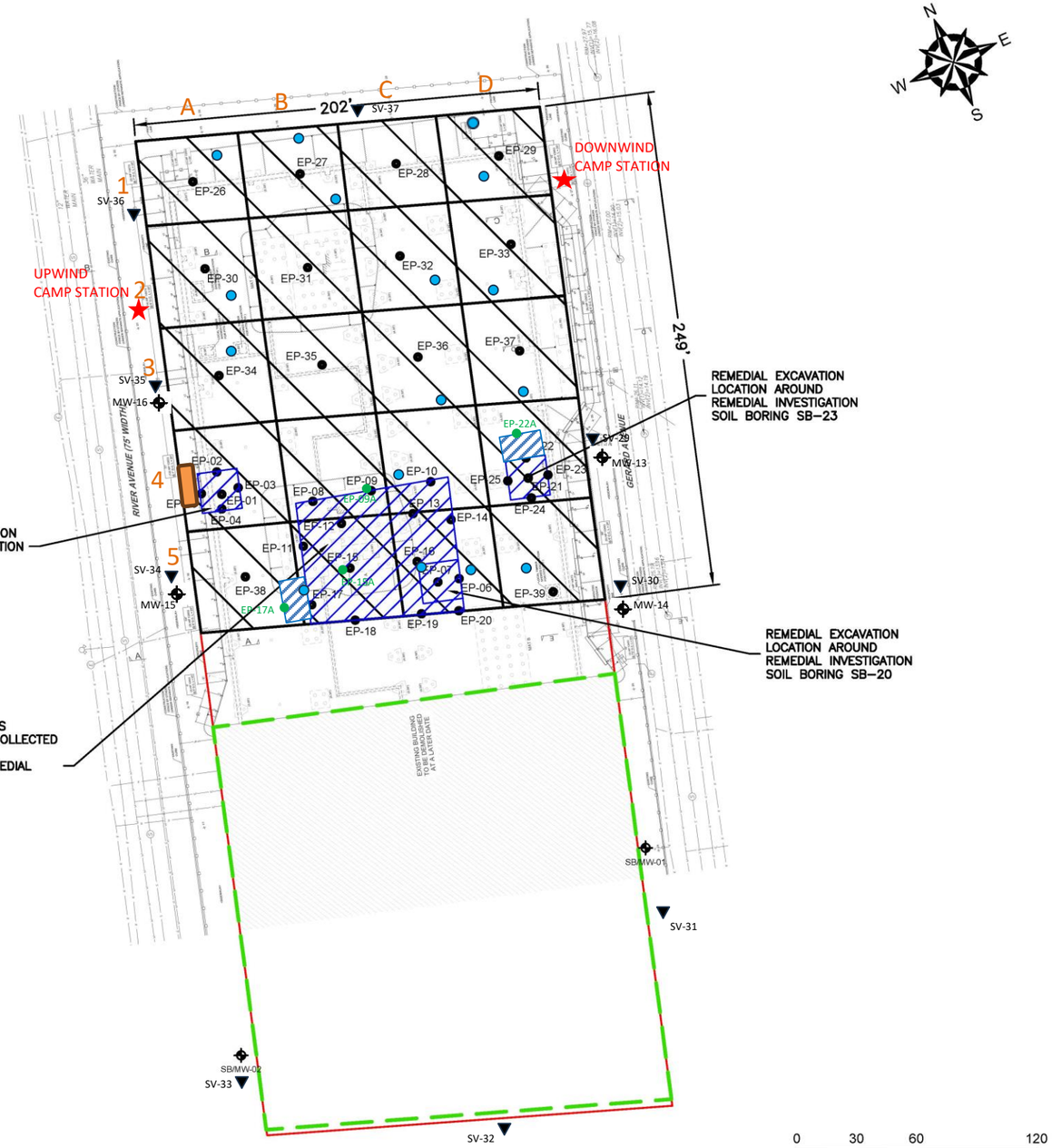
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	22,801.00
Previous	920,285.10
Total	**943,086.10**

GZA DAILY FIELD SUMMARY 80

DATE: 11/10/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

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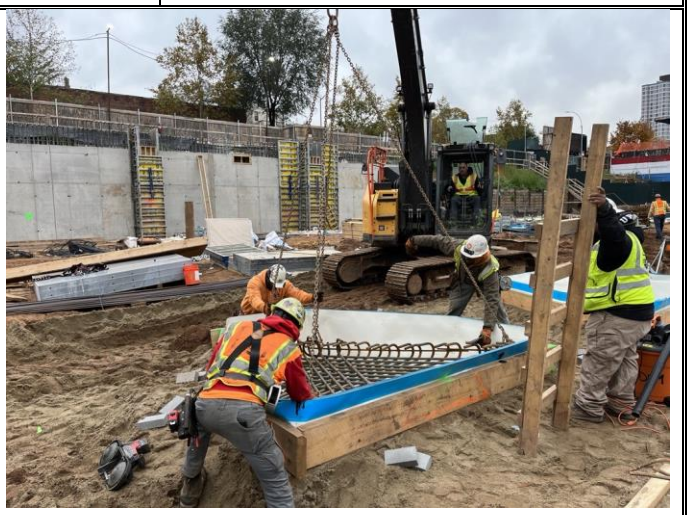
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 80

DATE: 11/10/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** Southeast
			
Description: Crown installing PREPRUFE 300R Plus waterproofing/vapor barrier membrane in grid C2; Penetrations around piles are sealed to prevent gaps.		**Description:** J&A installing rebar inside pile cap in grid C2.	
Photo No. 3	**Direction Photo Taken:** West	**Photo No.** 4	**Direction Photo Taken** Northeast
Description: J&A dewatering in grid A2.		**Description:** J&A pouring concrete for the exterior foundation wall in grids C1 and D1.	

GZA DAILY FIELD SUMMARY 80

DATE: 11/10/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 10, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**	
1	☐ YES	☐ NO	1 ☐ YES	☒ NO
2	☐ YES	☐ NO	2 ☐ YES	☒ NO
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO
2	☐ YES	☒ NO
Hand Held	☒ YES	☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1	☒ Data	☒ Avg	☐ Summary	
2	☒ Data	☒ Avg	☐ Summary	

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

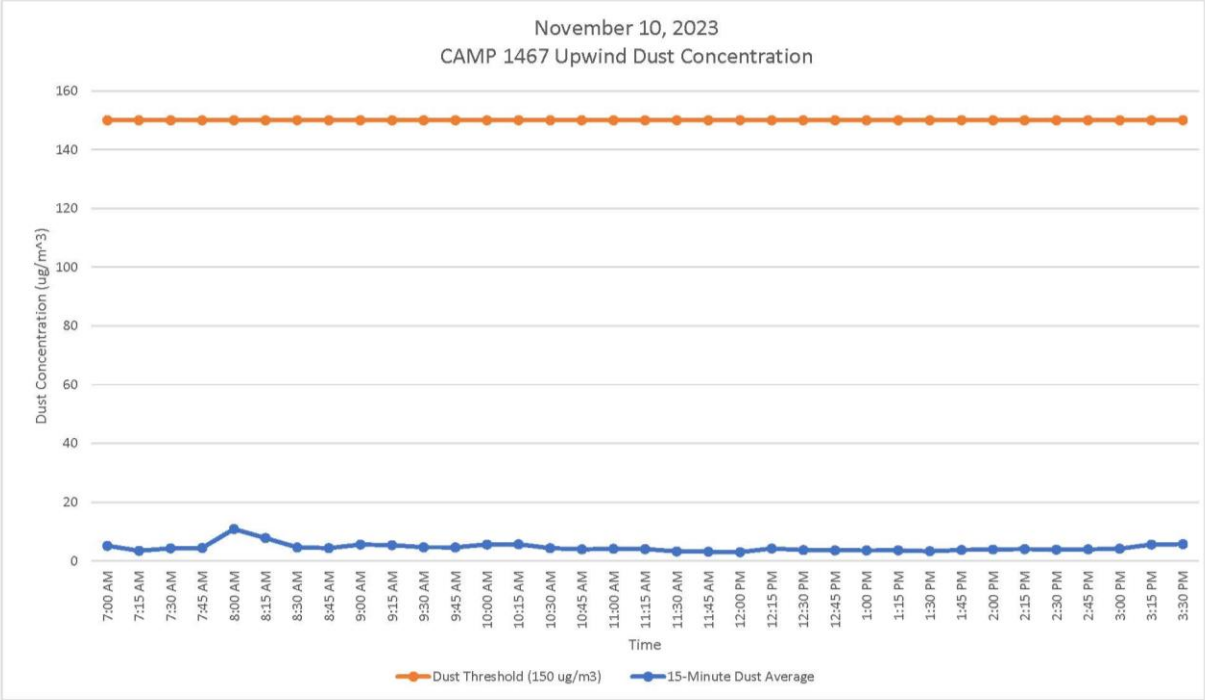
PID 1: 0.0
PID 2: 0.0

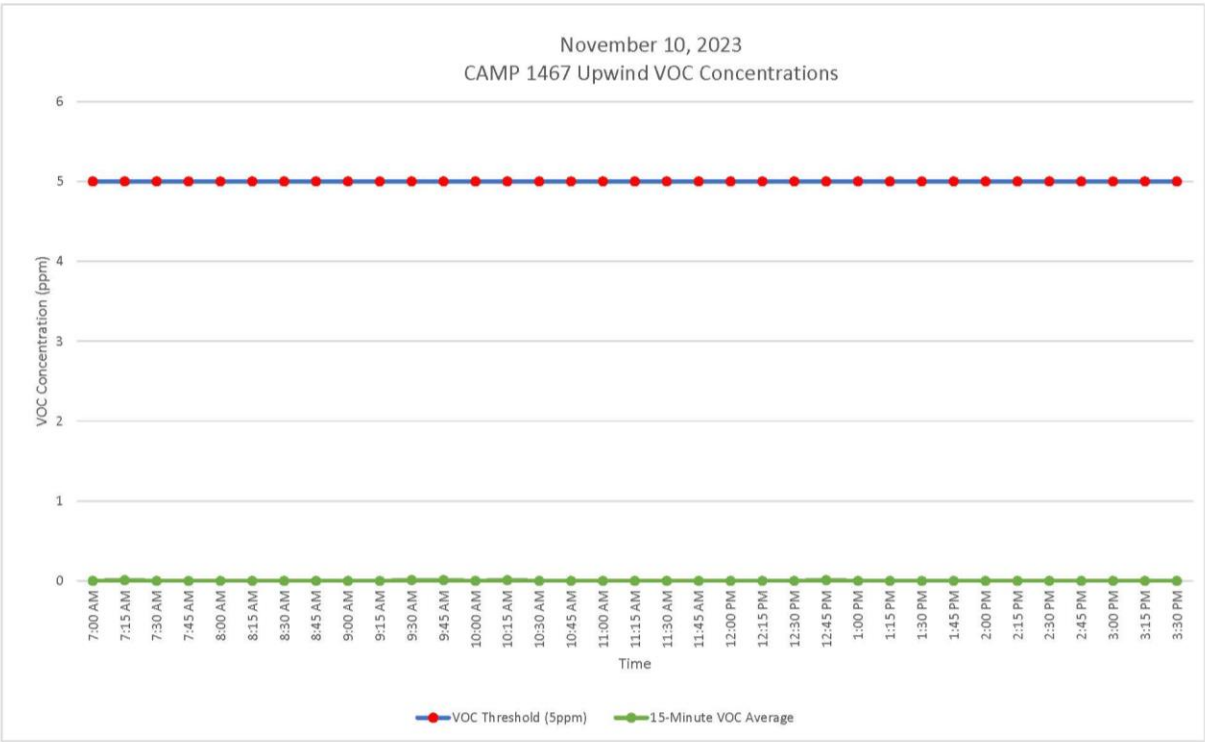
Data Ram 1: 5.17
Data Ram 2: 9.49

GZA DAILY FIELD SUMMARY 80

DATE: 11/10/2023

FILE NO: 41.0163097.00

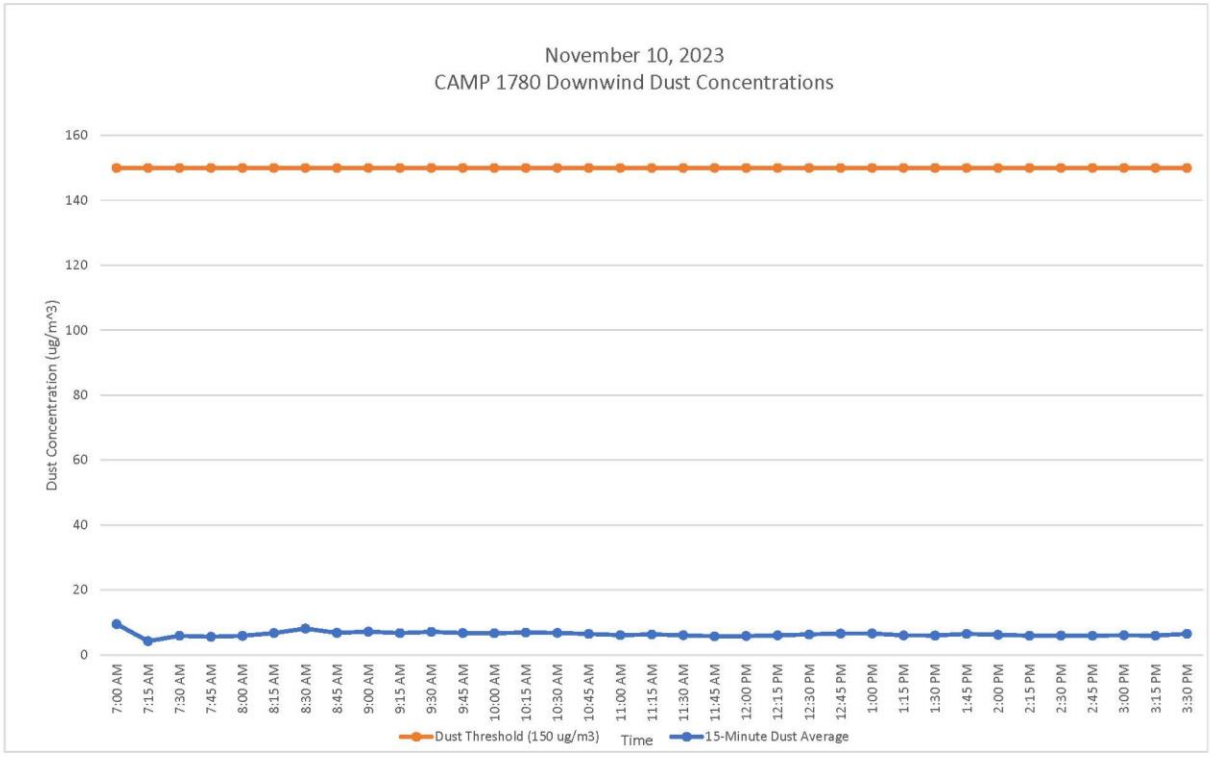


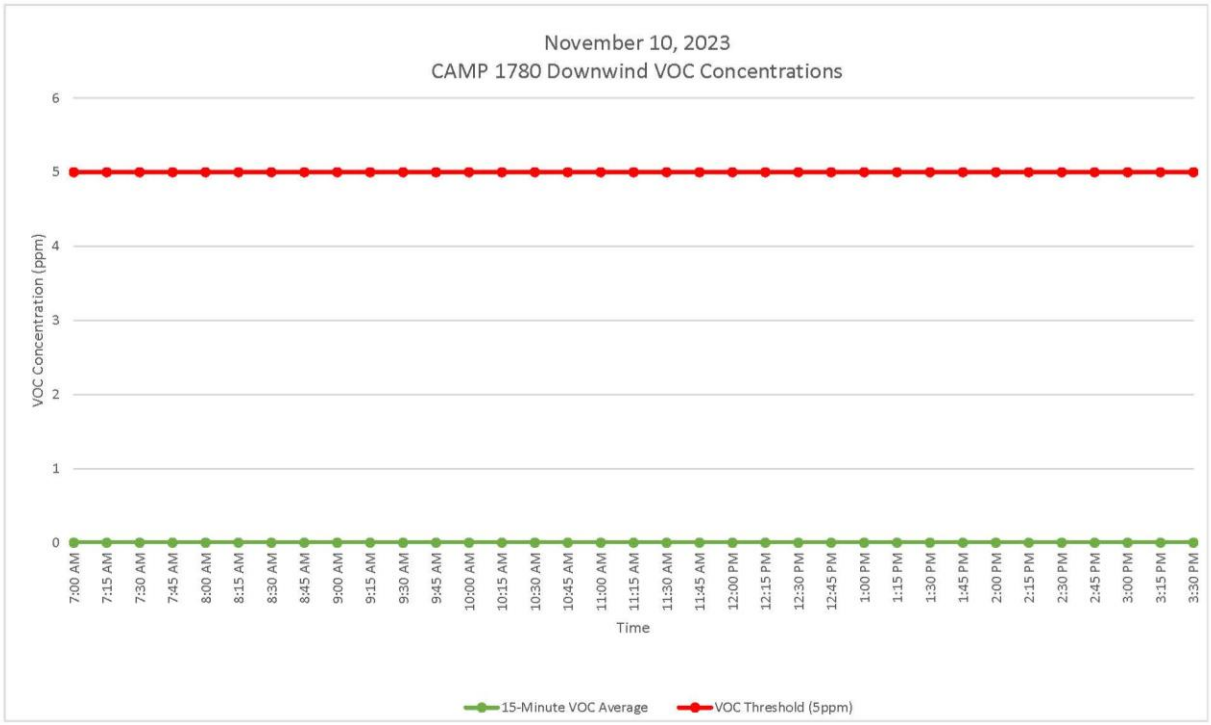


GZA DAILY FIELD SUMMARY 80

DATE: 11/10/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 80

DATE: 11/10/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	417	8,340	1	20	491	9,820
TOTAL	**73**	**1,460**	**418**	**8,360**	**1**	**20**	**492**	**9,840**

GZA DAILY FIELD SUMMARY 80

DATE: 11/10/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	**Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)**		**Tilcon New York, Inc., New York (Gas Permeable Aggregates)**		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		**PROJECT TOTALS**	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	13	336.92	5	113.1	21	528.58
TOTAL	**3**	**78.56**	**13**	**336.92**	**5**	**113.1**	**21**	**528.58**

`

GZA DAILY FIELD SUMMARY 81

DATE: 11/13/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	43.71°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	27.04°F
		MAX WIND SPEED	12 mph from SSE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, November 13, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:	**LERA**	
	Mamadou Balde	
	J&A	
	Antonio Martins	

GZA DAILY FIELD SUMMARY 81

DATE: 11/13/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 11/13/2023

Work Location (Attachment A): Grids A1, A2, A3, B1, B3, B4, B5, C2, and D1.

1. Excavation in grids B4 and B5 to the required elevation for installation of formwork for Mat A.
2. Loadout of soil from grids B4 and B5 (5-8 ft bgs). 4 truckloads of soil (approximately 80 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
3. Three truckloads of gas permeable aggregates from Tilcon New York, Inc. were delivered by Shamrock Materials, LLC and stockpiled in grid B3.
4. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in pile caps and grade beams in grids A2, A3, and C2. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps.
5. J&A installed formwork and rebar for the northern exterior foundation walls in grids A1 and B1.
6. J&A installed rebar in pile cap in grids A2.
7. J&A performed dewatering in grids A1, A2, A3, and B5. A total of 20,080.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 11.31 ug/m^3
High Conditions – PID: 2.68 ppm, Particulates: 36.05 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- Four (4) truckloads of excavated materials were transported to Clean Earth of Carteret, NJ.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Three (3) truckloads (77.69 tons) of gas permeable aggregates from Tilcon New York, Inc. were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 81

DATE: 11/13/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

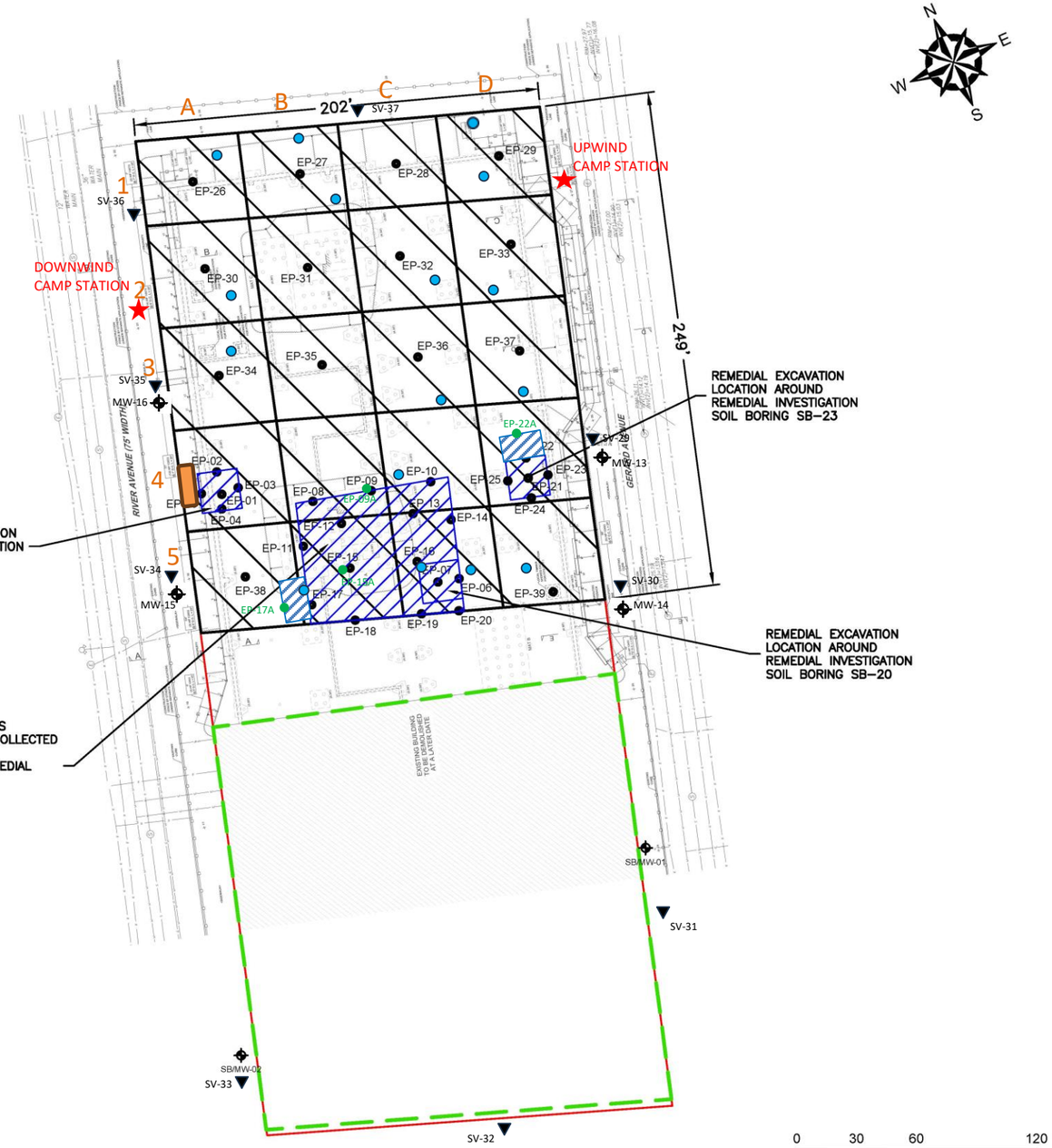
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	20,080.00
Previous	943,086.10
Total	**963,166.10**

GZA DAILY FIELD SUMMARY 81

DATE: 11/13/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 81

DATE: 11/13/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	Northeast	2	Southeast

Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.

Description: J&A excavating around piles in grids B4 and B5.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
3	West	4	Northeast

Description: Tilcon gas permeable aggregates delivered to grid B3.

Description: Crown installing PREPRUFE 300R Plus waterproofing/vapor barrier membrane in grid C2; Penetrations around piles are sealed to prevent gaps.

GZA DAILY FIELD SUMMARY 81

DATE: 11/13/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 13, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

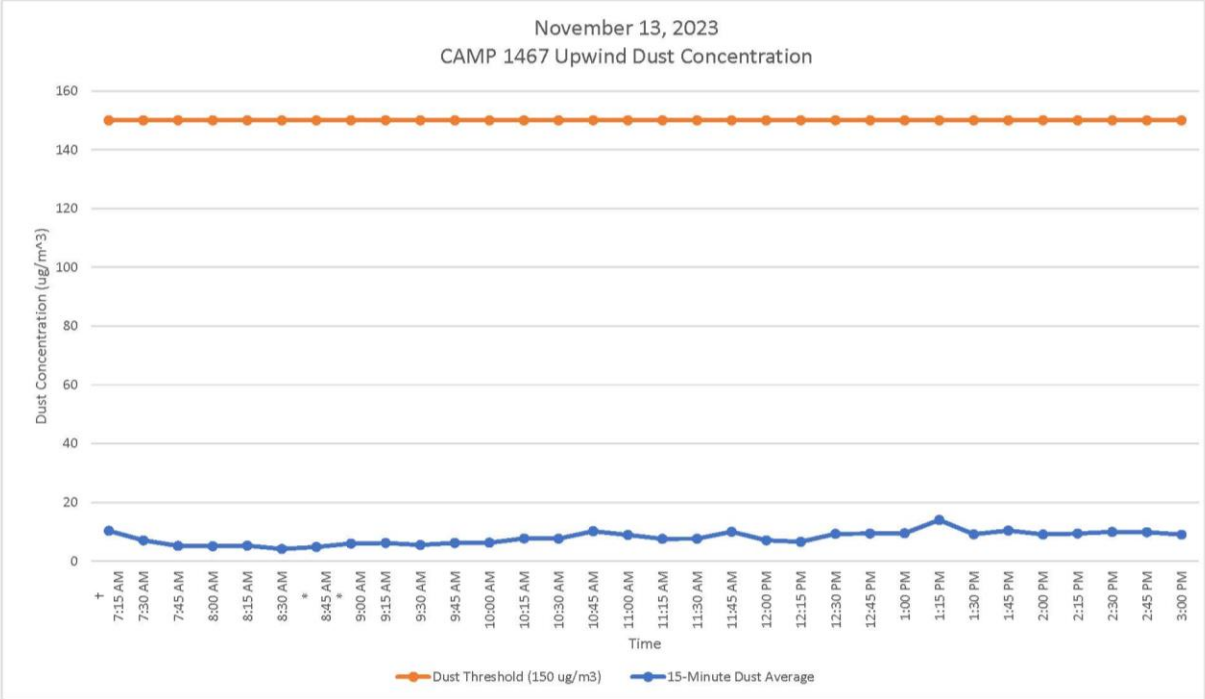
PID 1: 0.0
PID 2: 0.0

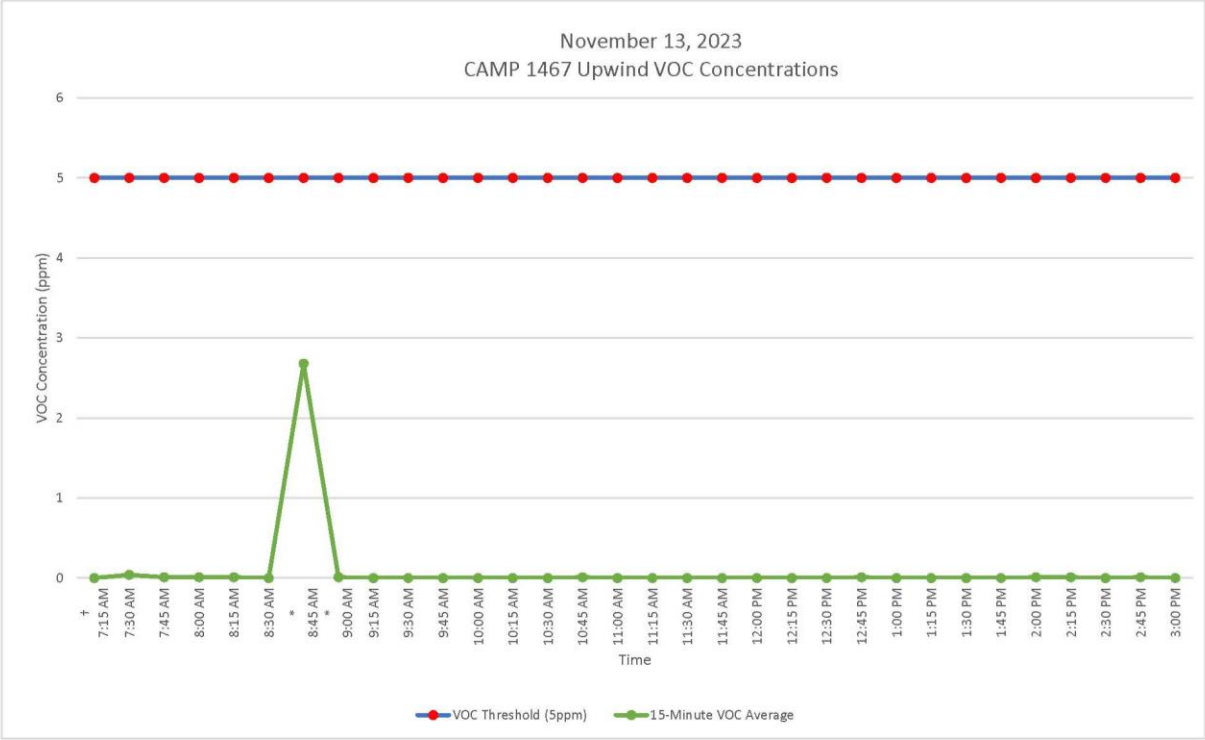
Data Ram 1: 10.34
Data Ram 2: 11.31

GZA DAILY FIELD SUMMARY 81

DATE: 11/13/2023

FILE NO: 41.0163097.00

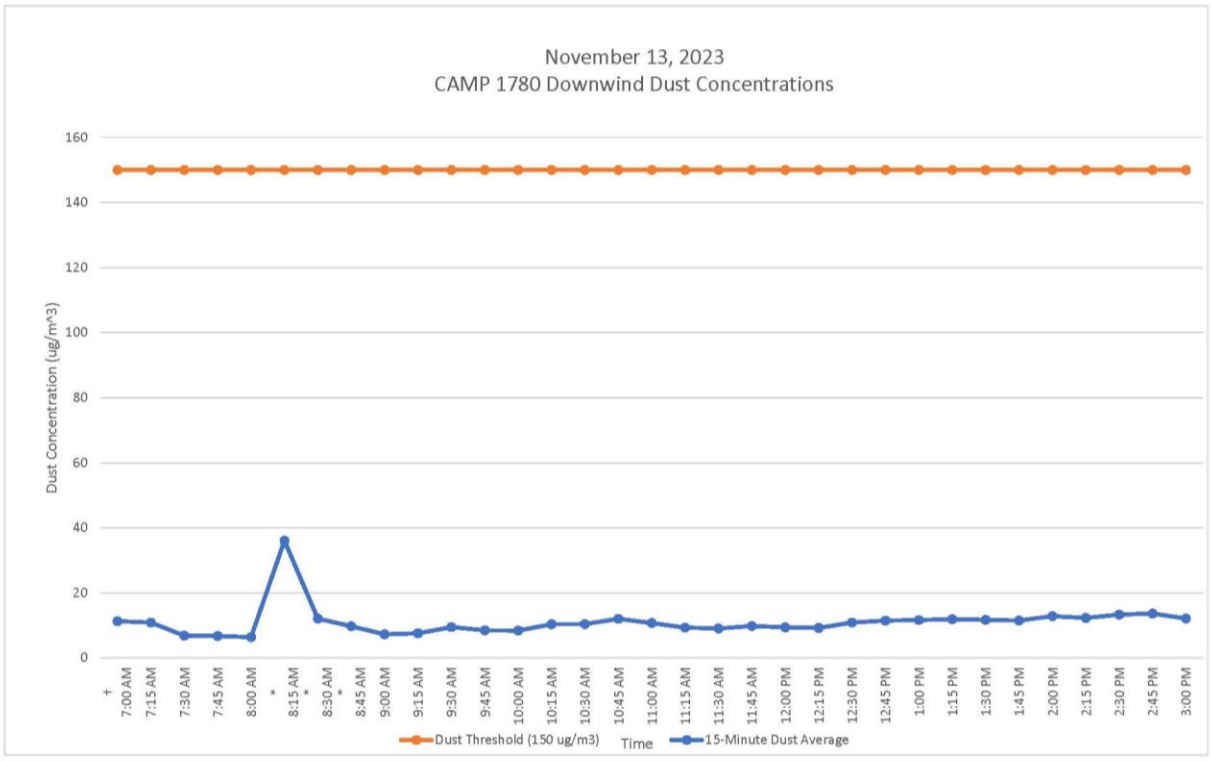


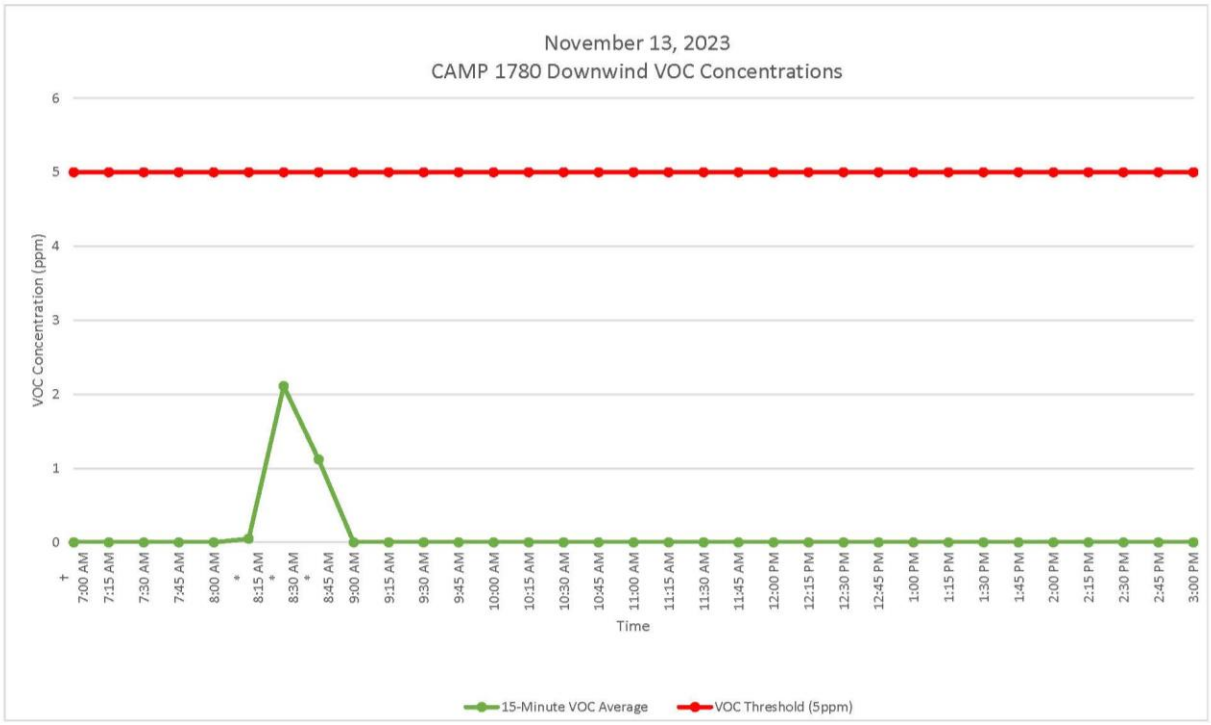


GZA DAILY FIELD SUMMARY 81

DATE: 11/13/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 81

DATE: 11/13/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	4	80	0	0	4	80
Previous	73	1,460	418	8,360	1	20	492	9,840
TOTAL	**73**	**1,460**	**422**	**8,440**	**1**	**20**	**496**	**9,920**

GZA DAILY FIELD SUMMARY 81

DATE: 11/13/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	3	77.69	0	0	3	77.69
Previous	3	78.56	13	336.92	5	113.1	21	528.58
TOTAL	**3**	**78.56**	**16**	**414.61**	**5**	**113.1**	**24**	**606.27**

`

GZA DAILY FIELD SUMMARY 82

DATE: 11/14/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	48.63°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	31.33°F
		MAX WIND SPEED	23 mph from NNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, November 14, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
	SRM Concrete	
SITE VISITORS:	**GZA**	
	Stephen Kline, P.E. (Remedial Engineer)	
	LERA	
	Mamadou Balde	
	J&A	
	Antonio Martins	

GZA DAILY FIELD SUMMARY 82

DATE: 11/14/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 11/14/2023

Work Location (Attachment A): Grids A1, A2, A3, B1, B4, B5, C4, and C5.

1. Excavation in grids B4 and B5 to the required elevation for installation of formwork for Mat A, stockpiling in the same grids.
2. Loadout of stockpiled soil from grids B4 and B5 (5-8 ft bgs). 6 truckloads of soil (approximately 120 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
3. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in pile caps and grade beams in grids A1, A2, and A3. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps. Stephen Kline, P.E. was onsite to observe and document the vapor barrier installation.
4. J&A installed formwork and rebar for the northern exterior foundation walls in grids A1 and B1.
5. J&A installed rebar in pile caps and grade beams in grids A1, A2, and A3.
6. J&A poured concrete in pile caps and grade beam in grids A1, A2, and A3.
7. J&A installed one (1) dewatering well in grid A2.
8. J&A performed dewatering in grids A1, A2, A3, B5, C4, and C5. A total of 54,623.00 gallons of groundwater was generated and treated for the day.
9. J&A prepared remedial excavation area in grid C4 for RegenOx Application scheduled for 11/15/2023.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- Deeper endpoint re-sample for EP-17. Over-excavated area to 8 feet below ground surface (bgs) in grid B5. Collected endpoint sample EP-17B at 8 feet bgs for laboratory analyses.

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 28.12 ug/m^3
High Conditions – PID: 0.03 ppm, Particulates: 17.98 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- Six (6) truckloads of excavated materials were transported to Clean Earth of Carteret, NJ.

GZA DAILY FIELD SUMMARY 82

DATE: 11/14/2023
FILE NO: 41.0163097.00

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

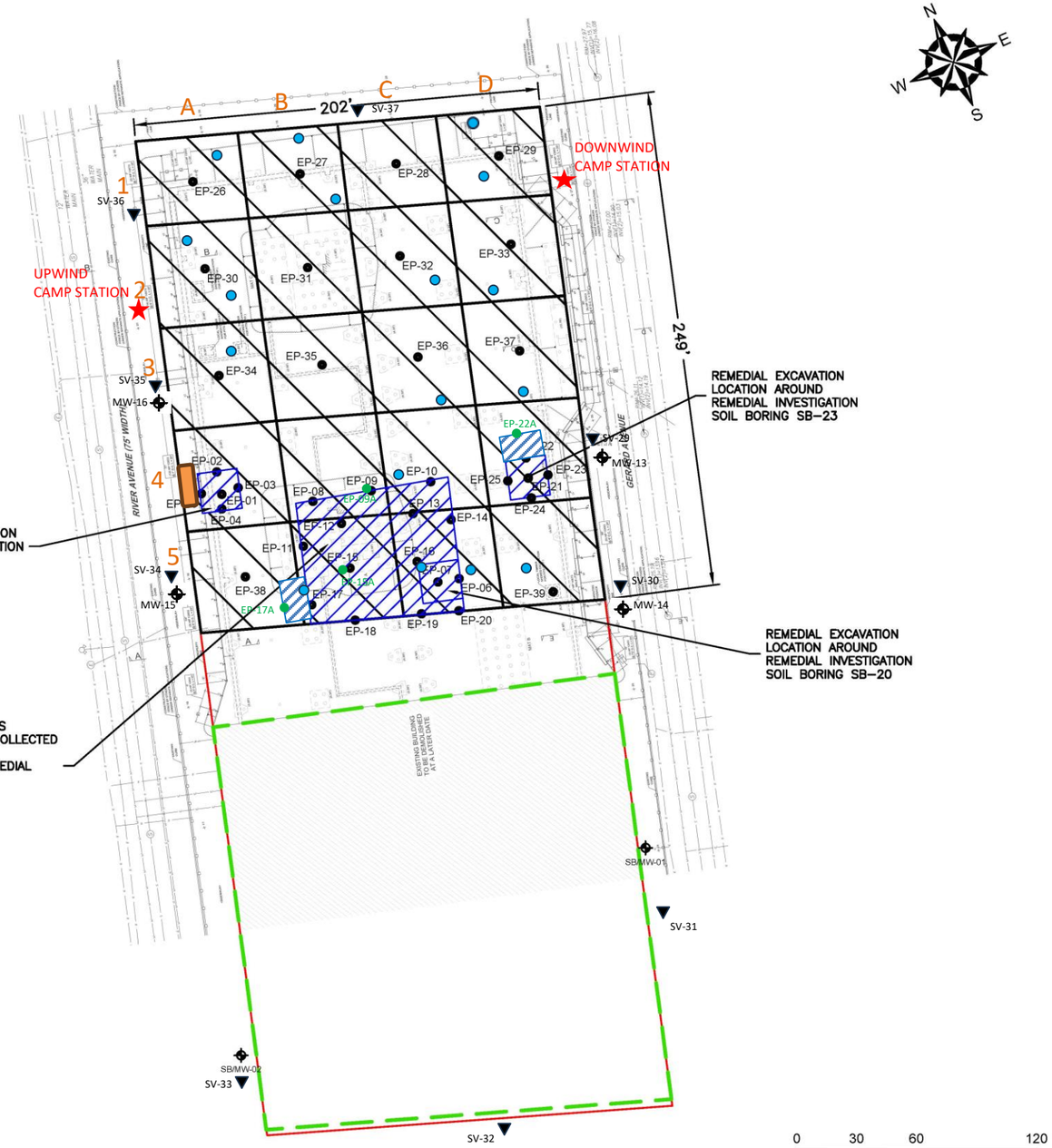
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	54,623.00
Previous	963,166.10
Total	**1,017,789.10**

GZA DAILY FIELD SUMMARY 82

DATE: 11/14/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	

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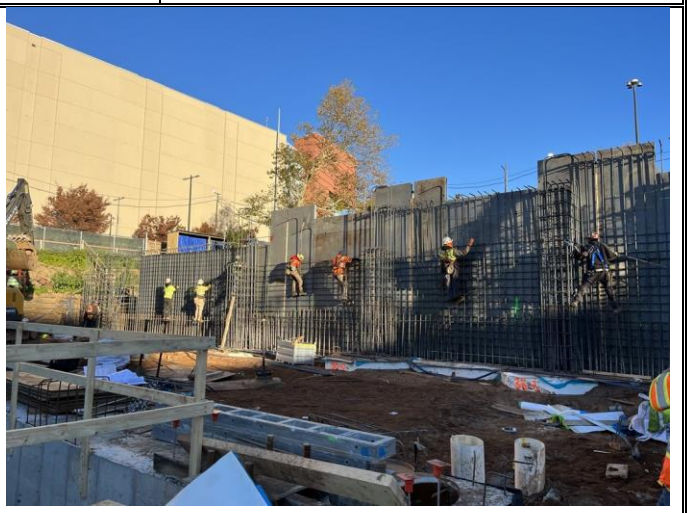
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 82

DATE: 11/14/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northwest
			
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A installing rebar for the northern exterior foundation walls in grids A1 and B1	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No.** 4	**Direction Photo Taken** East
Description: J&A pouring concrete in pile caps and grade beam in grids A1, A2, and A3.		**Description:** Soil stockpile covered at the end of the day.	

GZA DAILY FIELD SUMMARY 82

DATE: 11/14/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 14, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

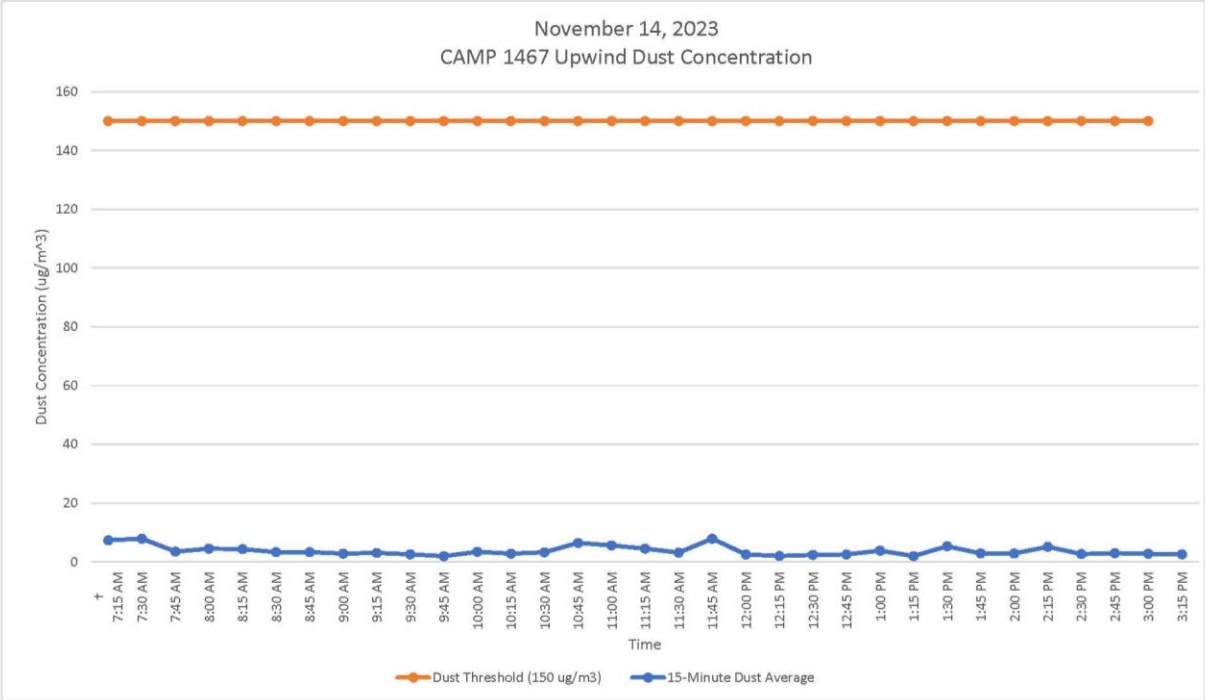
Background Readings:
PID 1: 0.0
PID 2: 0.0

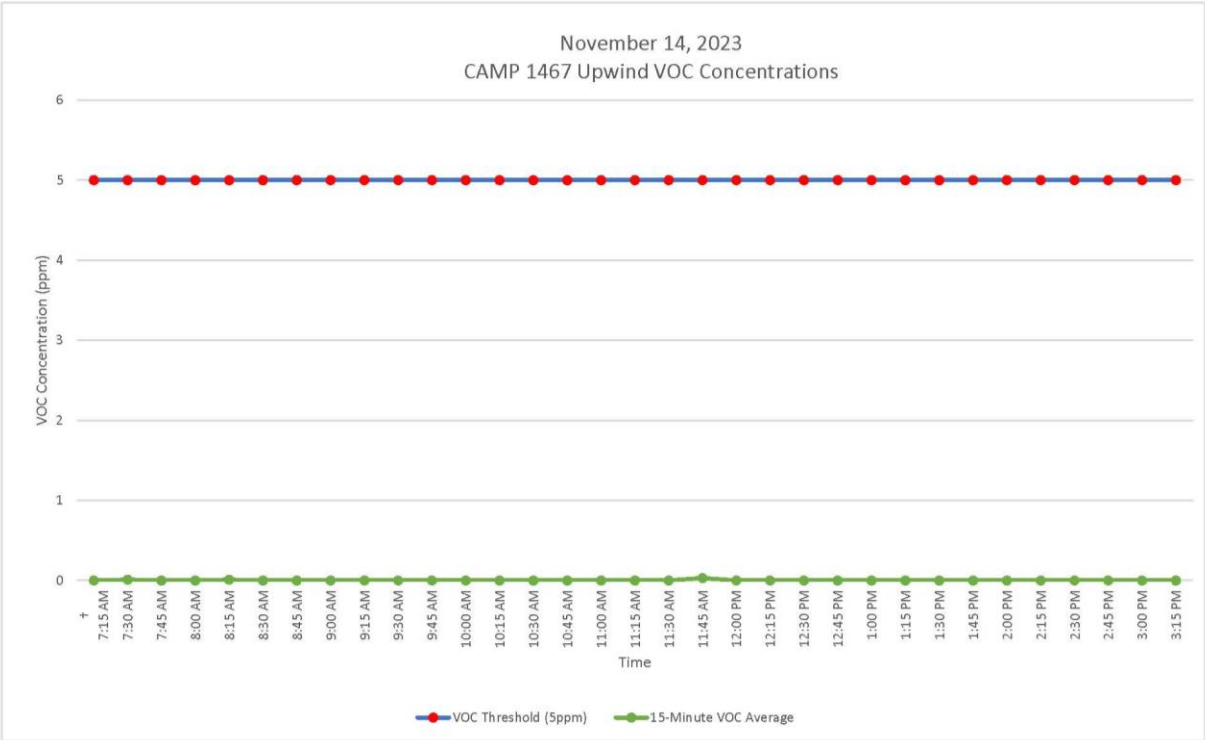
Data Ram 1: 7.35
Data Ram 2: 28.12

GZA DAILY FIELD SUMMARY 82

DATE: 11/14/2023

FILE NO: 41.0163097.00

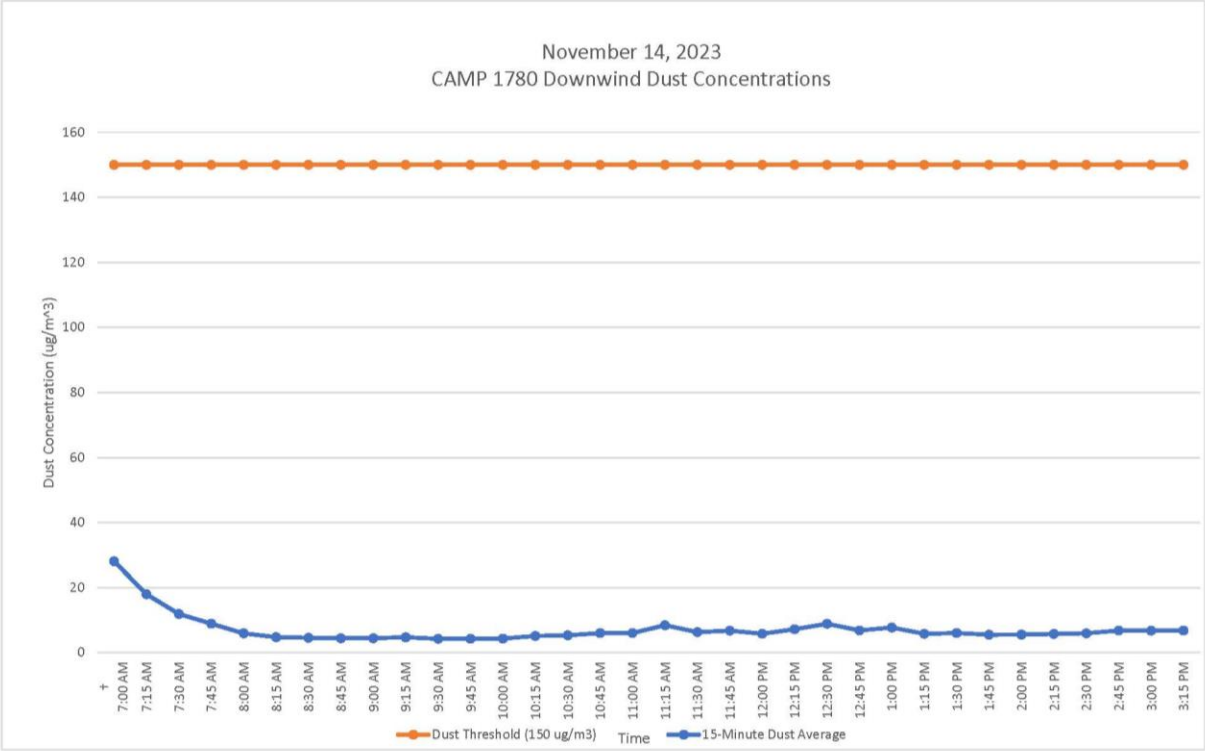


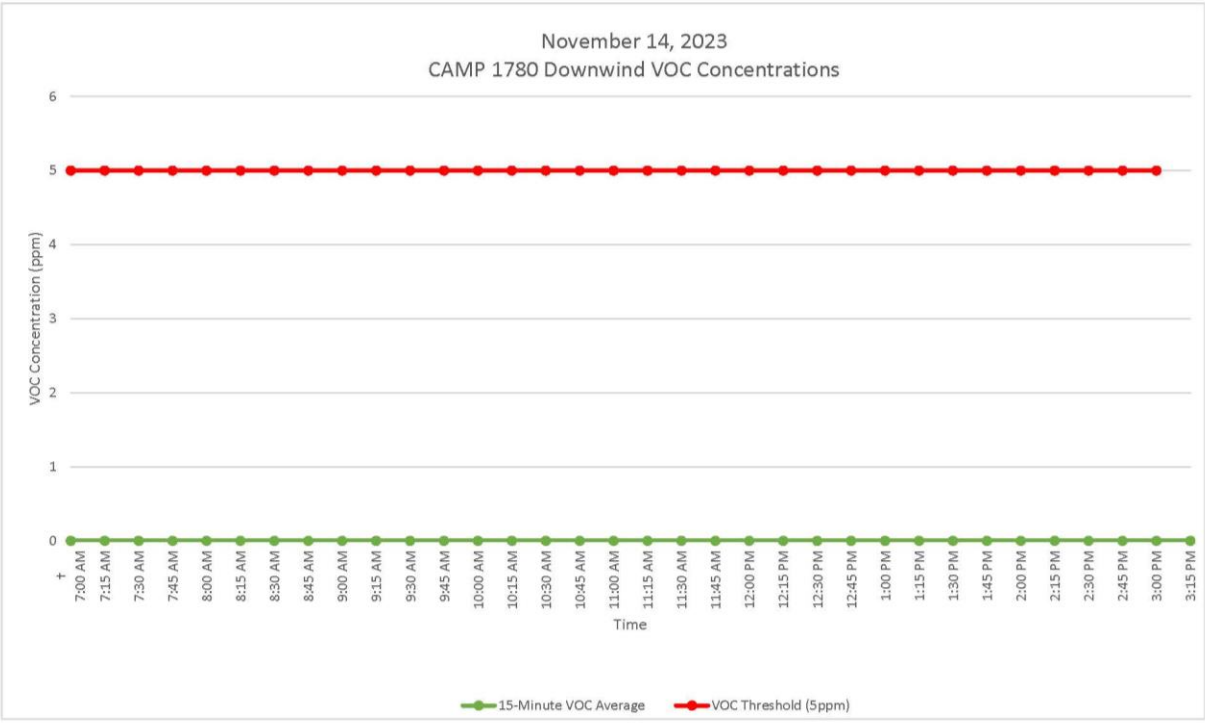


GZA DAILY FIELD SUMMARY 82

DATE: 11/14/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 82

DATE: 11/14/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY
Today	0	0	6	120	0	0	6	120
Previous	73	1,460	422	8,440	1	20	496	9,920
TOTAL	**73**	**1,460**	**428**	**8,560**	**1**	**20**	**502**	**10,040**

GZA DAILY FIELD SUMMARY 82

DATE: 11/14/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	16	414.61	5	113.1	24	606.27
TOTAL	**3**	**78.56**	**16**	**414.61**	**5**	**113.1**	**24**	**606.27**

`

GZA DAILY FIELD SUMMARY 83

DATE: 11/15/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	47.75°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	32.21°F
		MAX WIND SPEED	12 mph from SW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, November 15, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
SITE VISITORS:	**GZA**	
	Reinbill Maniquez	
	NYSDEC	
	Andre Obligado	Wendi Zheng
	LERA	
	Mamadou Balde	
	DBI	
	Danielle Elbaum	
	Success Academy	
	William Kurth	
	J&A	
	Antonio Martins	

GZA DAILY FIELD SUMMARY 83

DATE: 11/15/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 11/15/2023

Work Location (Attachment A): Grids A1, A3, B1, B4, B5, C4, and C5.

1. J&A prepared remedial excavation area measuring approximately 20 feet x 20 feet in grids B4, B5, C4, and C5 for RegenOx application.
2. J&A applied RegenOx according to REGENESIS application instructions (Activator Complex Part B followed by Chemical Oxidant A) in grids B4, B5, C4, and C5. The area was then sprayed with water and RegenOx reagents were mixed with the underlying substrate in accordance with manufacturer's specifications. Reinbill Maniquez, CHMM was onsite to observe and document the application.
3. J&A spread gas permeable stones in grids A3, B4, and B5.
4. Loadout of stockpiled soil from grids B4 and B5 (5-8 ft bgs). 6 truckloads of soil (approximately 120 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
5. J&A placed formwork in grid A3.
6. J&A installed formwork and rebar for the northern exterior foundation walls in grids A1 and B1.
7. J&A performed dewatering in grids B5, C4, and C5. A total of 13,752.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.02 ppm, Particulates: 24.36 ug/m^3
High Conditions – PID: 0.03 ppm, Particulates: 22.76 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- Six (6) truckloads of excavated materials were transported to Clean Earth of Carteret, NJ.

GZA DAILY FIELD SUMMARY 83

DATE: 11/15/2023
FILE NO: 41.0163097.00

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

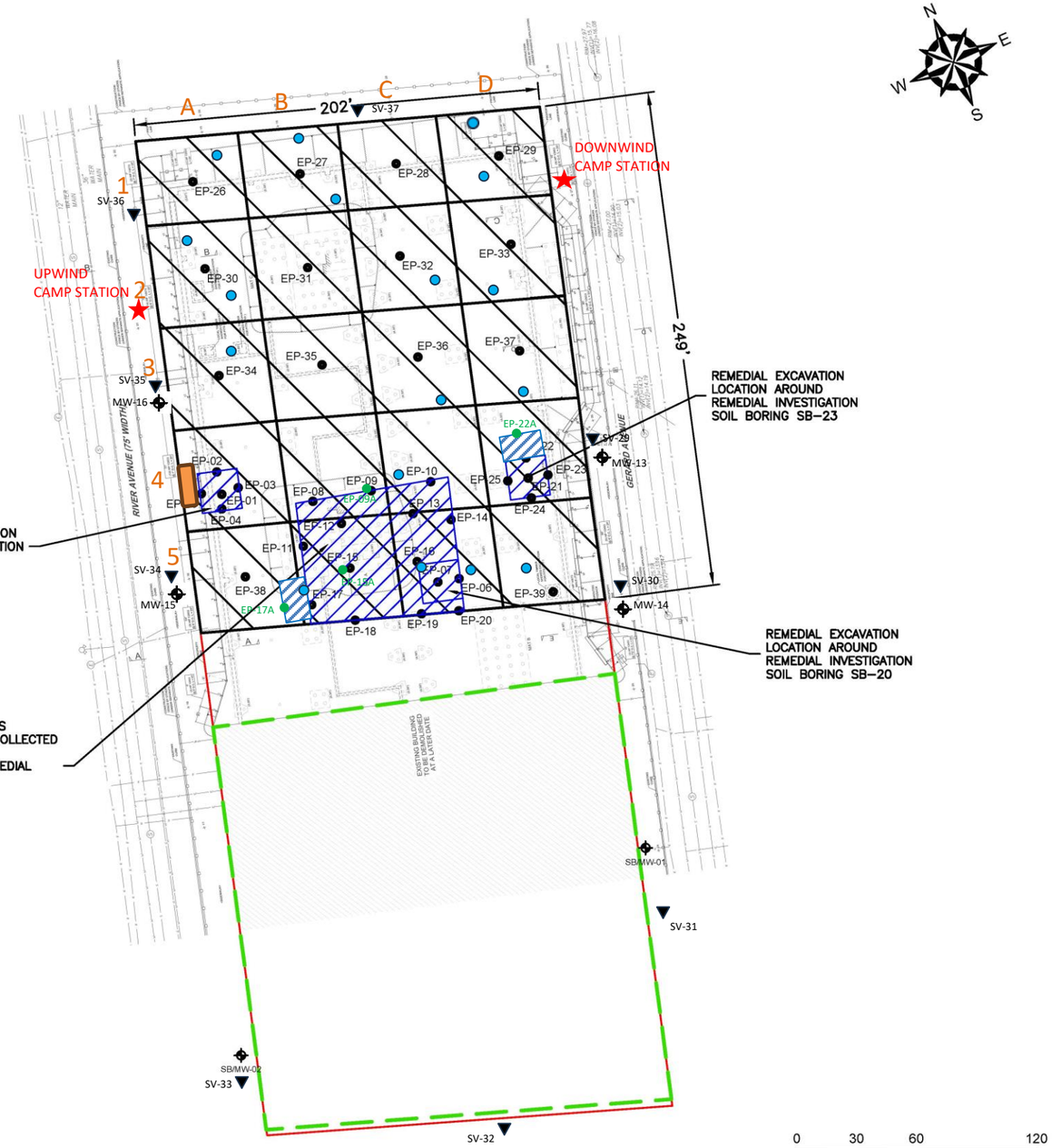
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	13,752.00
Previous	1,017,789.10
Total	**1,031,541.10**

GZA DAILY FIELD SUMMARY 83

DATE: 11/15/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

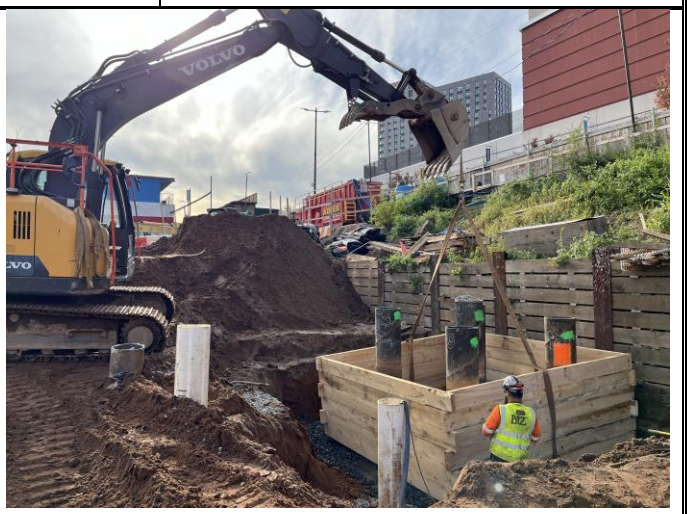
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 83

DATE: 11/15/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** RegenOx application (Chemical Oxidant A over Activator Complex Part B) in grids B4, B5, C4, and C5.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** Southwest
			
Description: J&A mixing RegenOx reagents with the underlying substrate.		**Description:** J&A placing formwork in grid A3.	

GZA DAILY FIELD SUMMARY 83

DATE: 11/15/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 15, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:
1 ☒ Data ☒ Avg ☐ Summary _____
2 ☒ Data ☒ Avg ☐ Summary _____

Data Rams:
1 ☒ Data _____
2 ☒ Data _____

Weather Station: ☐ YES

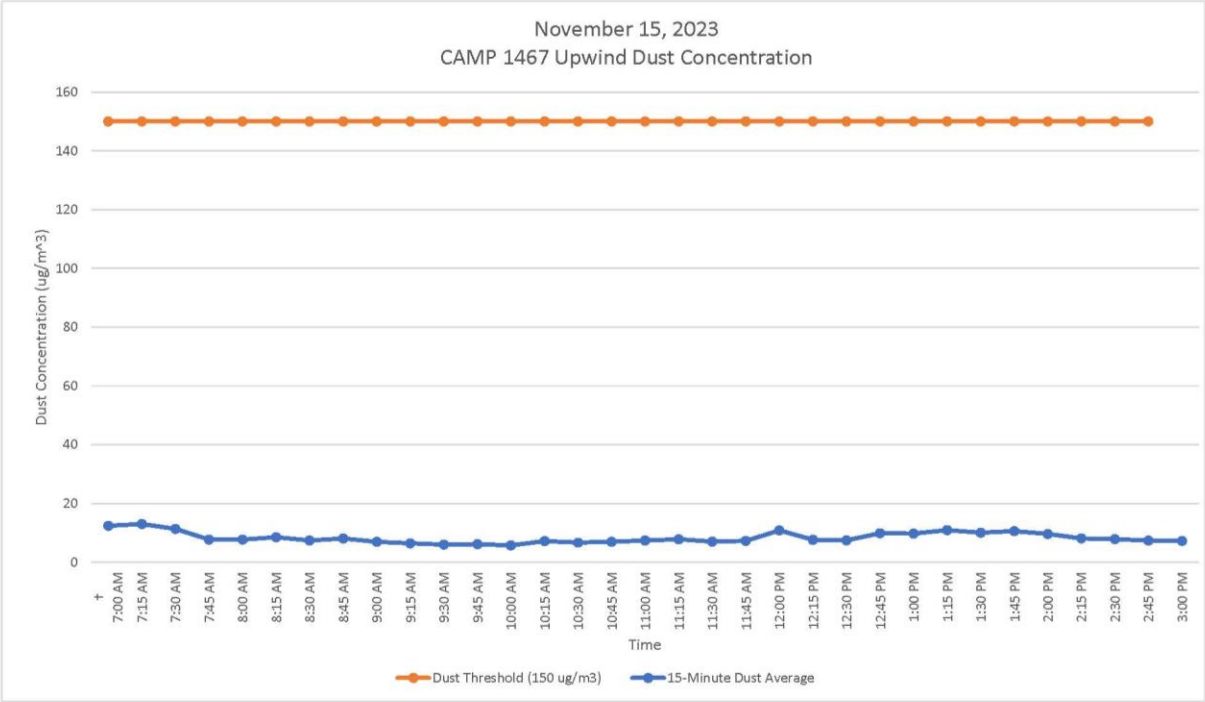
Background Readings:
PID 1: 0.0
PID 2: 0.0

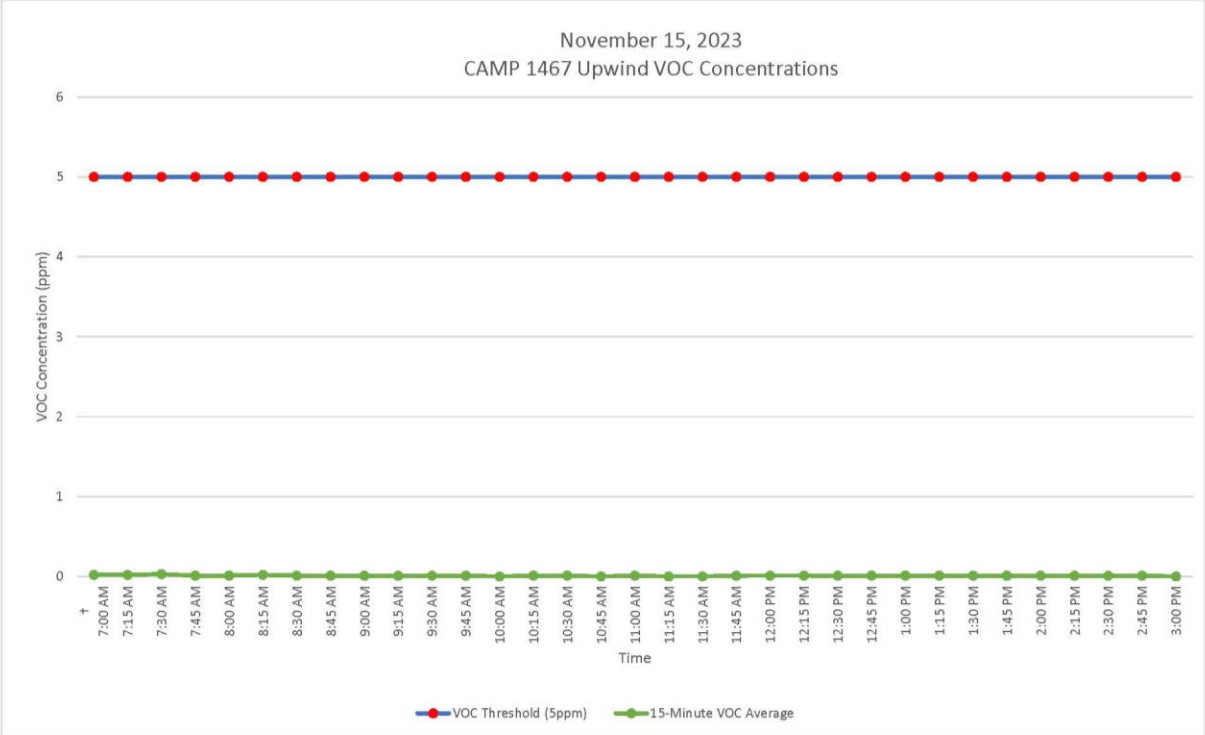
Data Ram 1: 12.41
Data Ram 2: 24.36

GZA DAILY FIELD SUMMARY 83

DATE: 11/15/2023

FILE NO: 41.0163097.00

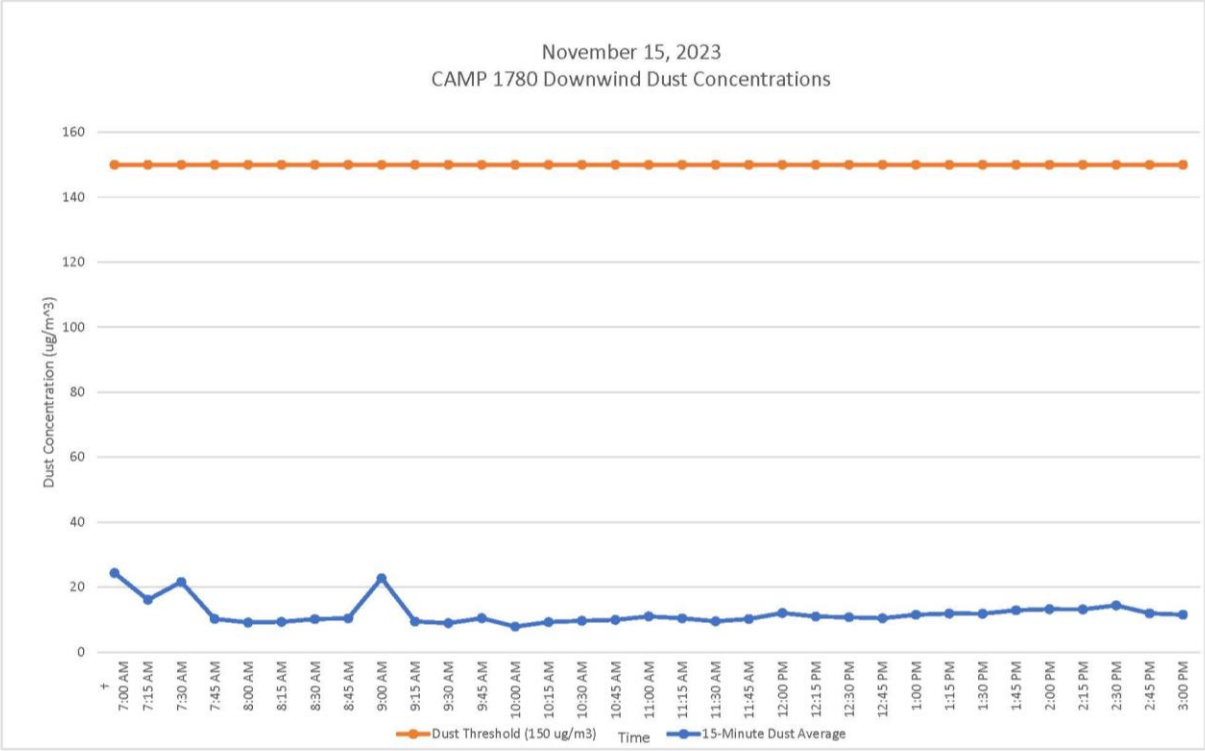


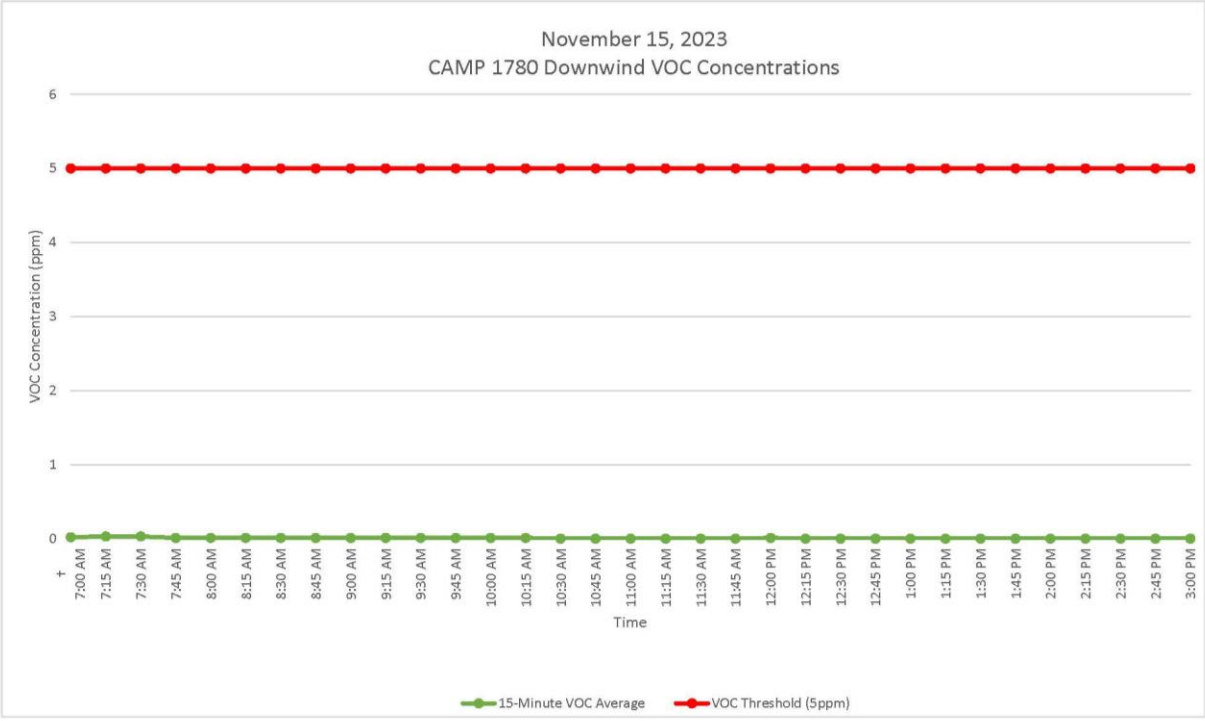


GZA DAILY FIELD SUMMARY 83

DATE: 11/15/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 83

DATE: 11/15/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	6	120	0	0	6	120
Previous	73	1,460	428	8,560	1	20	502	10,040
TOTAL	**73**	**1,460**	**434**	**8,680**	**1**	**20**	**508**	**10,160**

GZA DAILY FIELD SUMMARY 83

DATE: 11/15/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	16	414.61	5	113.1	24	606.27
TOTAL	**3**	**78.56**	**16**	**414.61**	**5**	**113.1**	**24**	**606.27**

`

GZA DAILY FIELD SUMMARY 84

DATE: 11/16/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	55.18°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	38.09°F
		MAX WIND SPEED	9 mph from SSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, November 16, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
SITE VISITORS:	**LERA**	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 84

DATE: 11/16/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 11/16/2023

Work Location (Attachment A): Grids A3, B1, B4, B5, C4, and C5.

1. J&A excavated soil from grids A3 and B4. Soil from each excavated area was stockpiled in grid B4.
2. Soil Solutions cut piles in grid B4, B5 and C4. J&A removed pile cuttings and placed in grid C5.
3. J&A spread gas permeable stones in grids B4, B5, C4 and C5.
4. Loadout of stockpiled soil from grids A3, B4 and B5 (5-8 ft bgs). 6 truckloads of soil (approximately 120 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
5. J&A performed dewatering in grids B5, C4, and C5. A total of 13,752.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 10.52 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 32.69 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- Six (6) truckloads of excavated materials were transported to Clean Earth of Carteret, NJ.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 84

DATE: 11/16/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

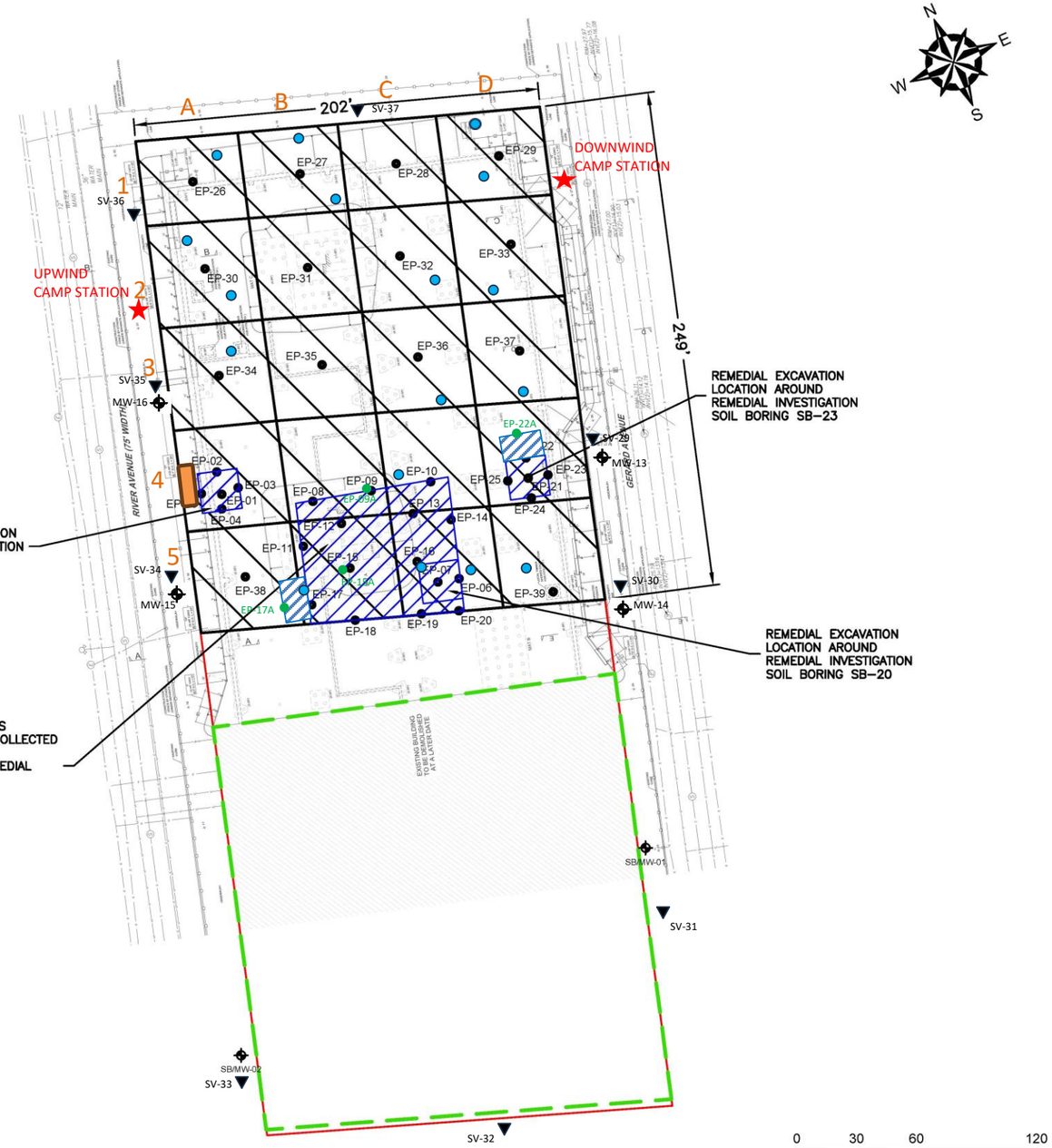
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	19,540.00
Previous	1,031,541.10
Total	**1,051,081.10**

GZA DAILY FIELD SUMMARY 84

DATE: 11/16/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

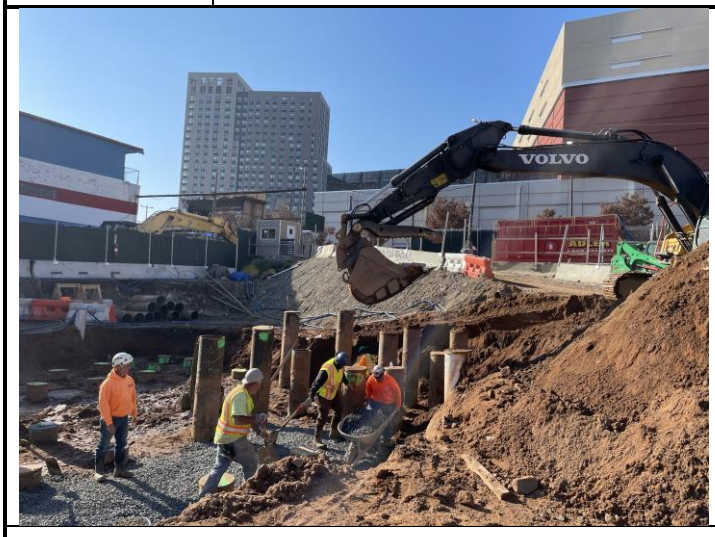
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK		DRAWING
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'		6
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -		SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 84

DATE: 11/16/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken Northwest
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A excavating soil from grid A3. Soil stockpiled in grid B4.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No. 4**	**Direction Photo Taken** East
			
Description: J&A spreading gas permeable stone in grids B4 and C4.		**Description:** Overview of southern portion of the Site at end of day.	

GZA DAILY FIELD SUMMARY 84

DATE: 11/16/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 16, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

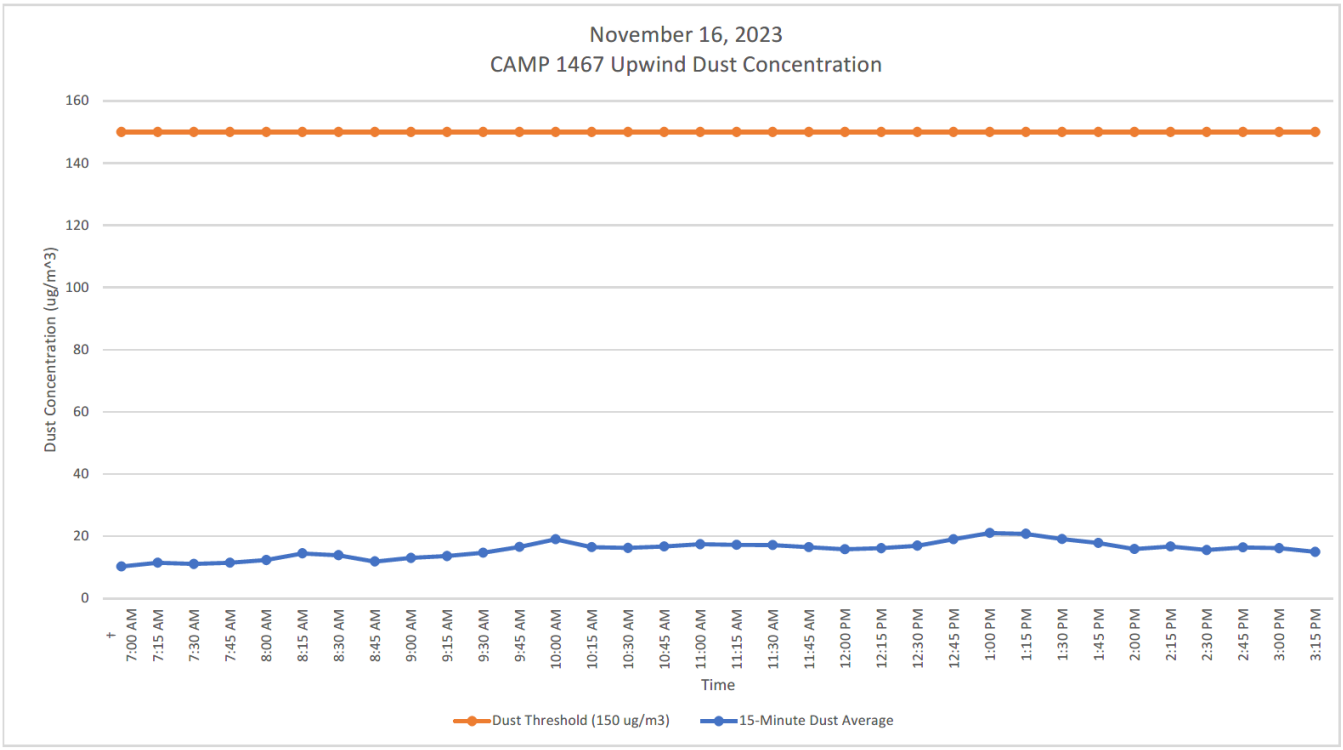
PID 1: 0.0
PID 2: 0.0

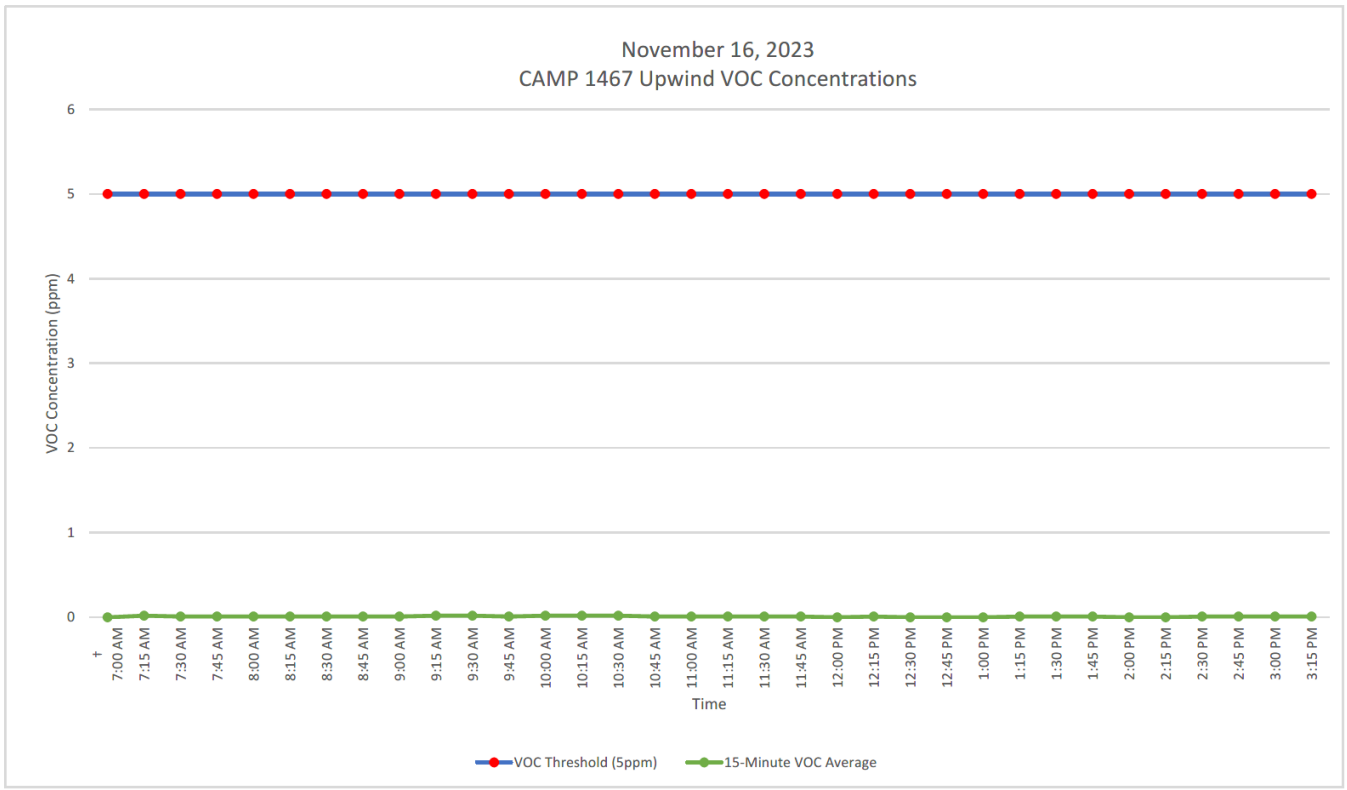
Data Ram 1: 10.39
Data Ram 2: 10.52

GZA DAILY FIELD SUMMARY 84

DATE: 11/16/2023

FILE NO: 41.0163097.00

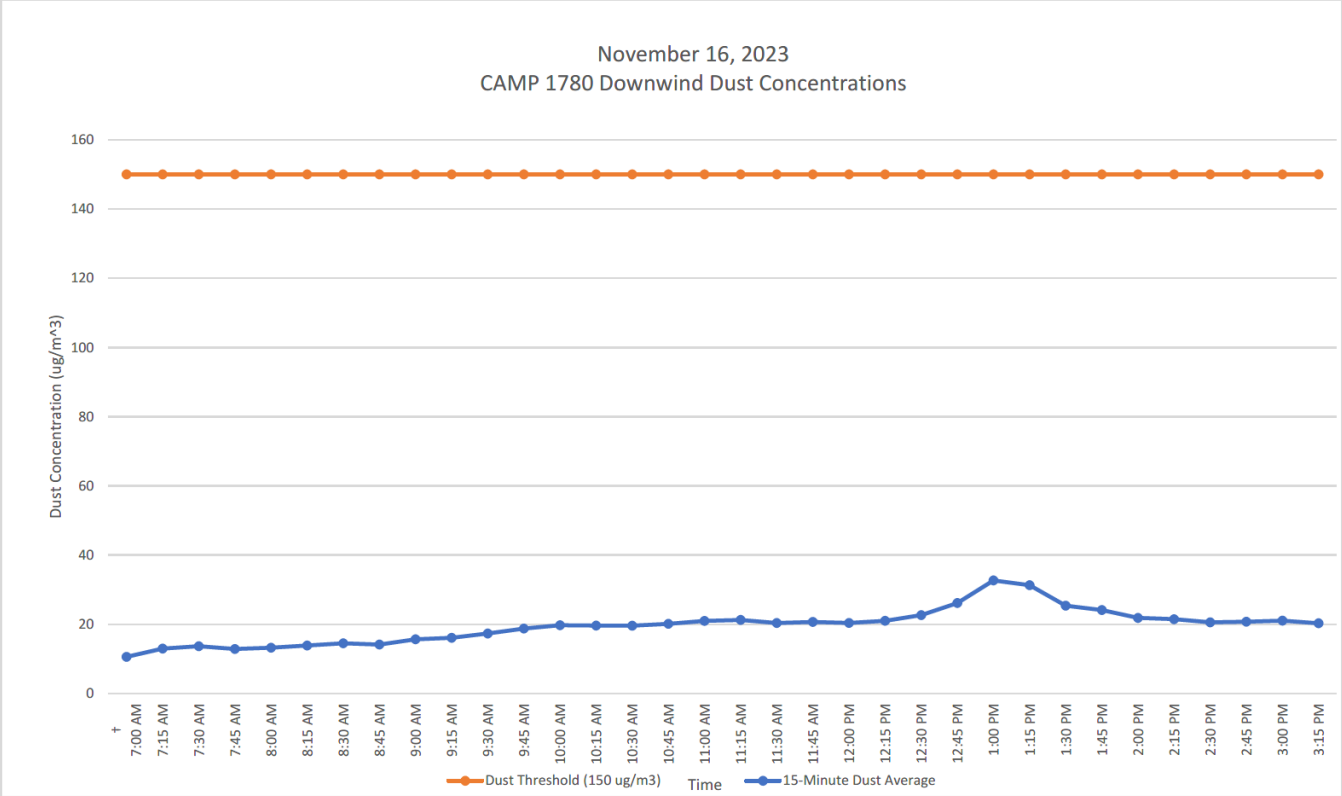


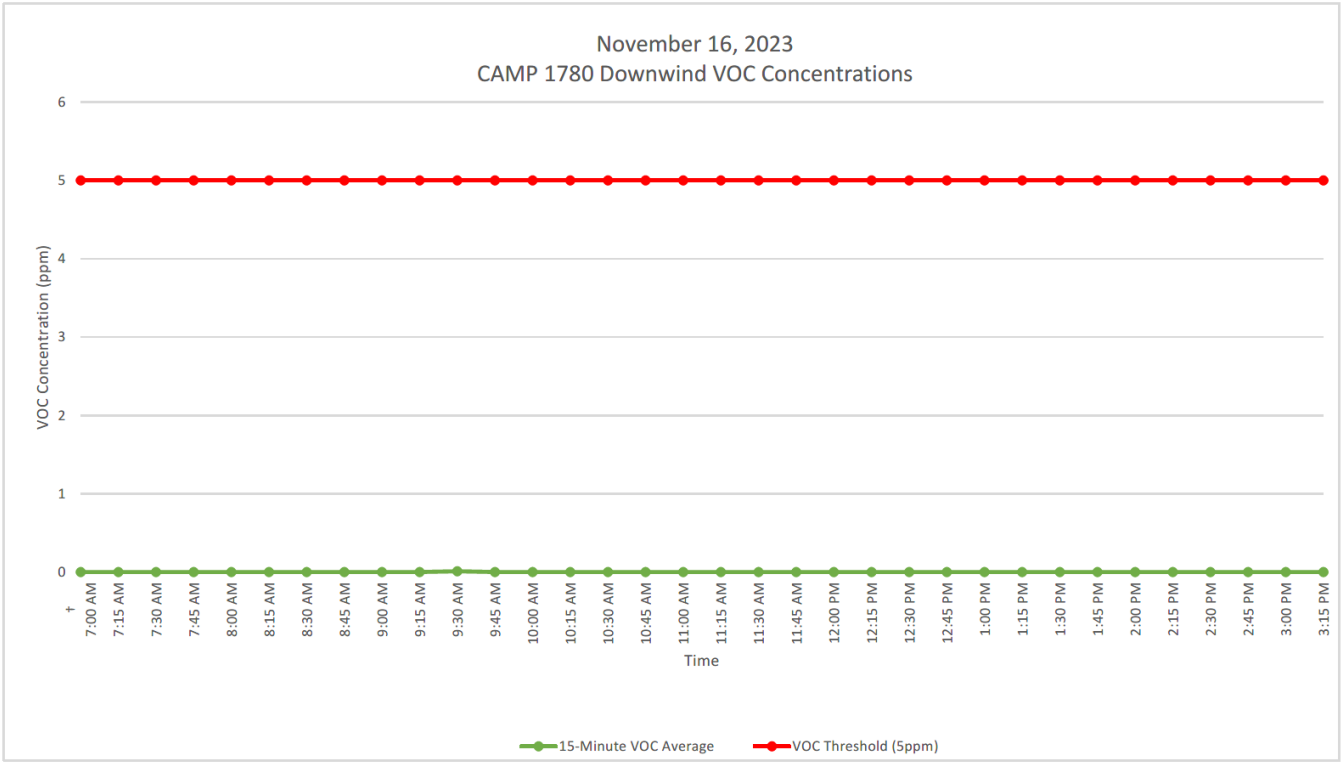


GZA DAILY FIELD SUMMARY 84

DATE: 11/16/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 84

DATE: 11/16/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	6	120	0	0	6	120
Previous	73	1,460	434	8,680	1	20	508	10,160
TOTAL	**73**	**1,460**	**440**	**8,800**	**1**	**20**	**514**	**10,280**

GZA DAILY FIELD SUMMARY 84

DATE: 11/16/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	16	414.61	5	113.1	24	606.27
TOTAL	**3**	**78.56**	**16**	**414.61**	**5**	**113.1**	**24**	**606.27**

`

GZA DAILY FIELD SUMMARY 85

DATE: 11/17/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	55.77°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	44.54°F
		MAX WIND SPEED	13 mph from SW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, November 17, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:	**LERA**	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 85

DATE: 11/17/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 11/17/2023

Work Location (Attachment A): Grids A1, A3, B1, B4, B5, C1, C2, C4, and C5.

1. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in formwork in grids A3, C1 and C2. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps.
2. J&A installed rebar inside formwork located in grids A3, C1 and C2 after vapor barrier installation.
3. J&A spread gas permeable stones in grids B4, C4 and C5.
4. J&A poured concrete in piles in grids B4, B5 and C4 and in formwork located in grids A1, B1 and C1 for the northern exterior foundation wall.
5. J&A performed dewatering in grids B5, C4, and C5. A total of 45,568.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 16.04 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 16.04 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 85

DATE: 11/17/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

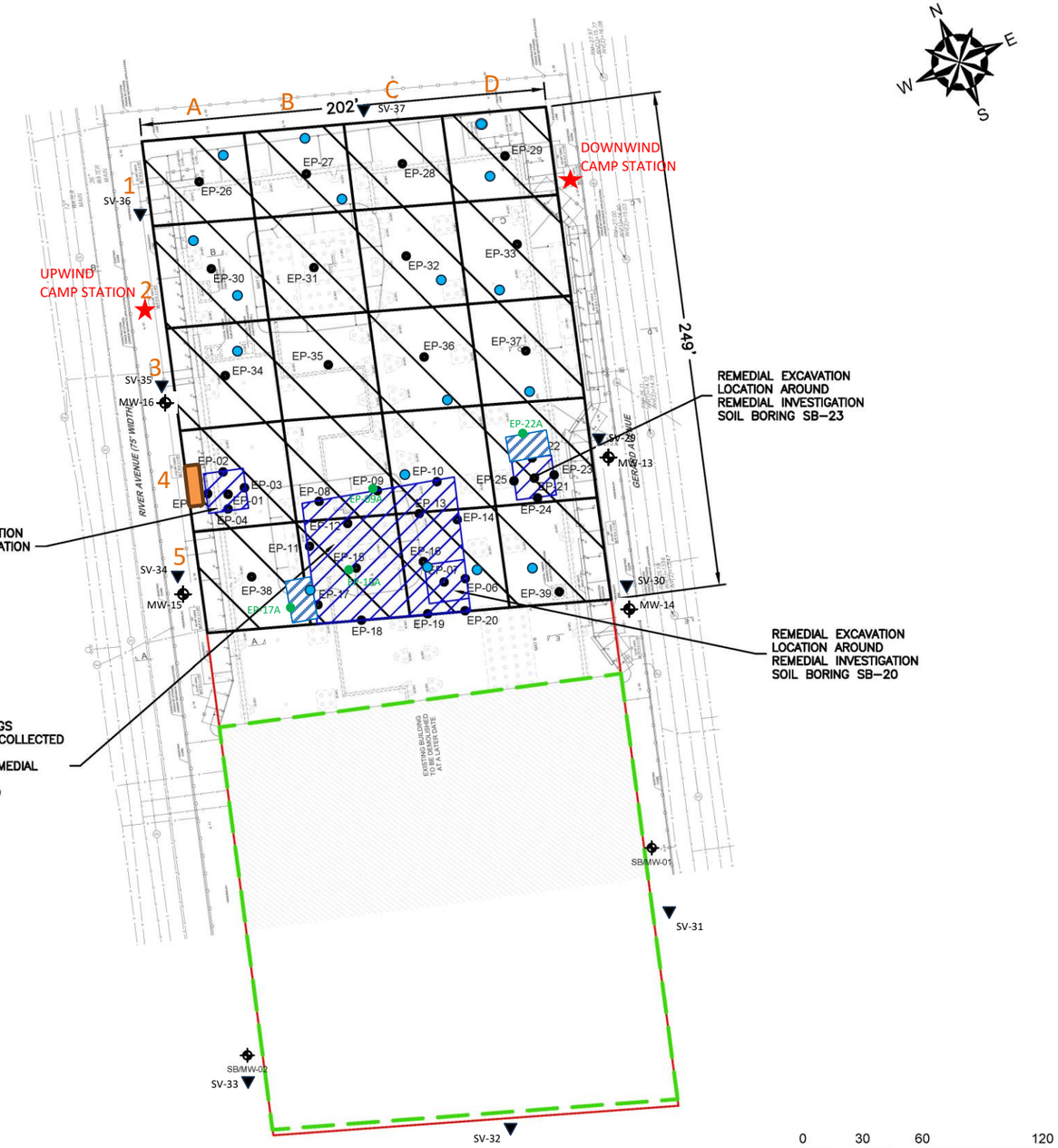
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	45,568.00
Previous	1,051,081.10
Total	**1,096,649.10**

GZA DAILY FIELD SUMMARY 85

DATE: 11/17/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

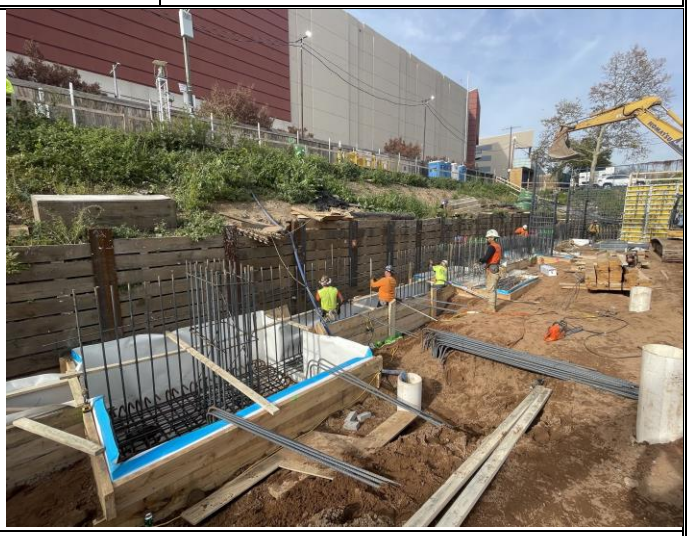
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 85

DATE: 11/17/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Southwest	Photo No. 2	Direction Photo Taken Northwest
			
Description: Crown installing vapor barrier inside grid A3 formwork.		**Description:** J&A installing rebar inside grid A3 formwork.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No. 4**	**Direction Photo Taken** Northeast
Description: J&A pouring concrete into piles in grids B4, B5 and C4.		**Description:** J&A pouring concrete in grids A1, B1 and C1 for northern foundation wall.	

GZA DAILY FIELD SUMMARY 85

DATE: 11/17/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 17, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

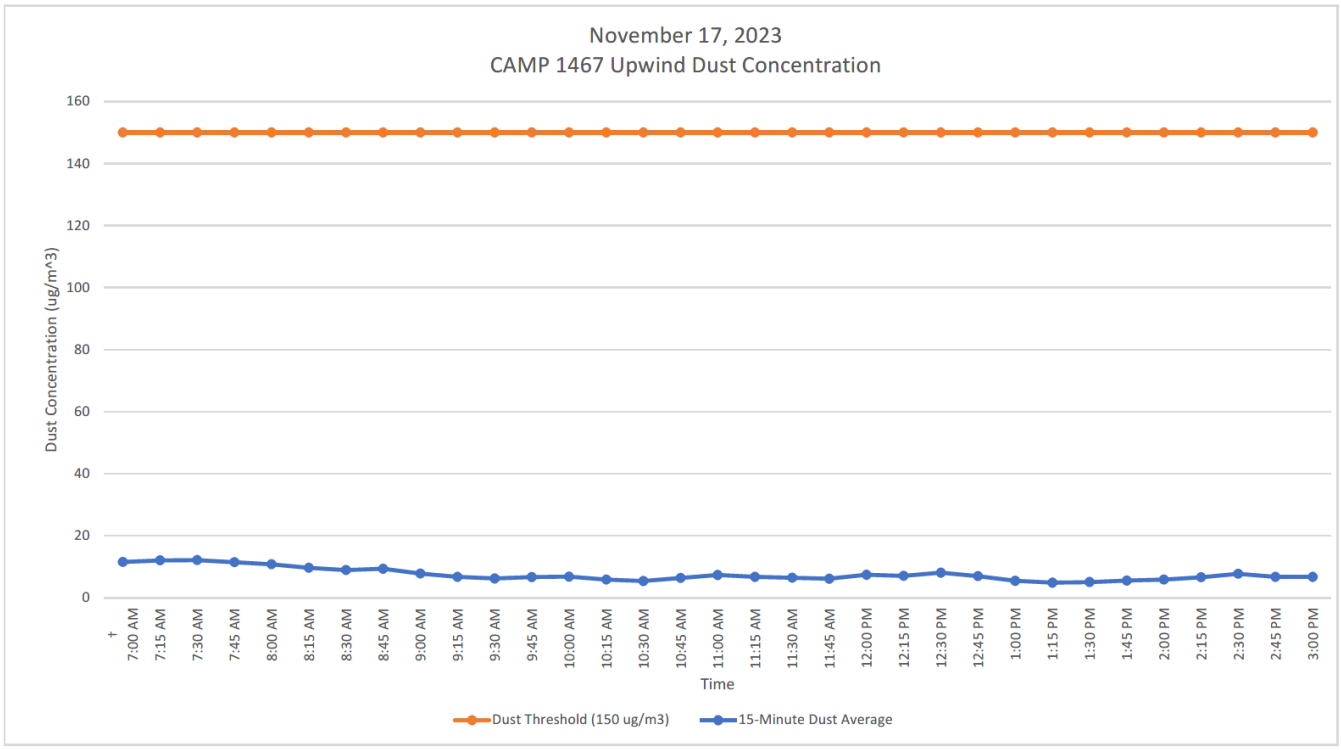
PID 1: 0.0
PID 2: 0.0

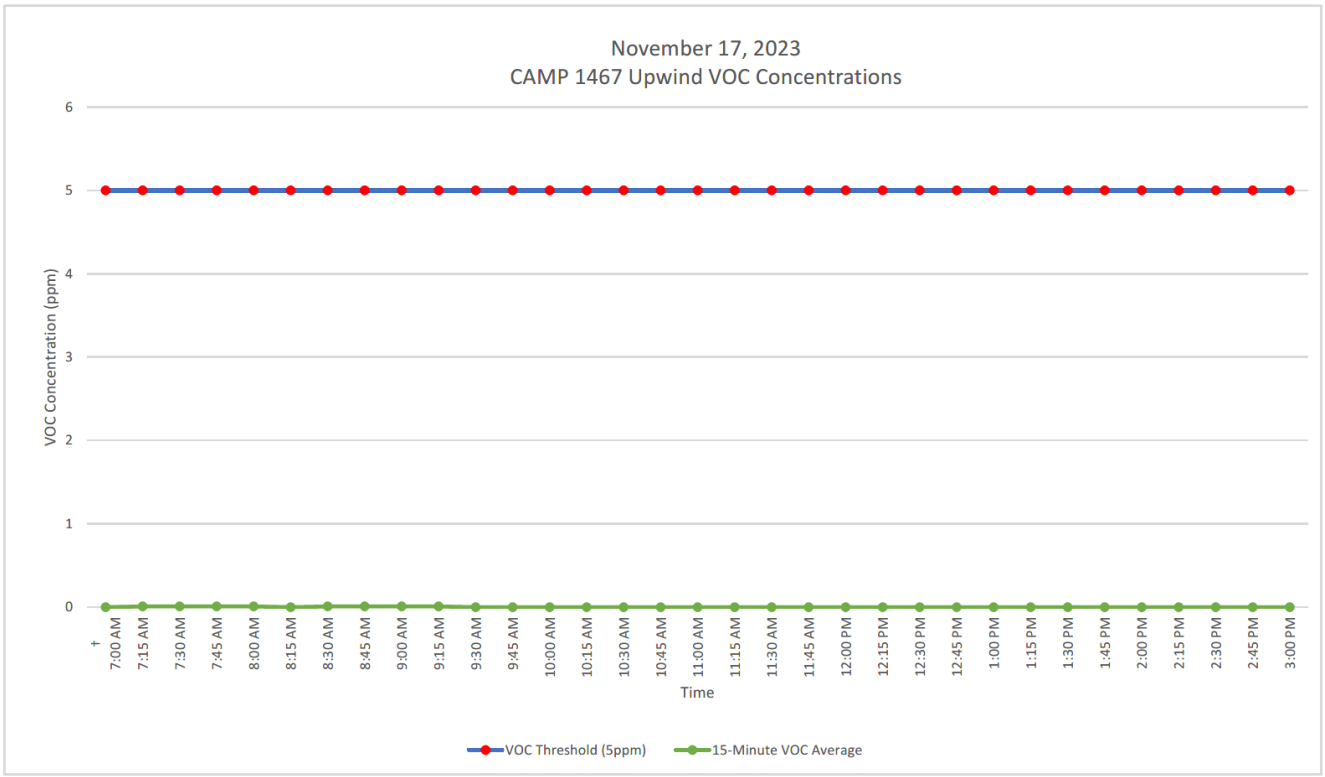
Data Ram 1: 16.04
Data Ram 2: 11.61

GZA DAILY FIELD SUMMARY 85

DATE: 11/17/2023

FILE NO: 41.0163097.00

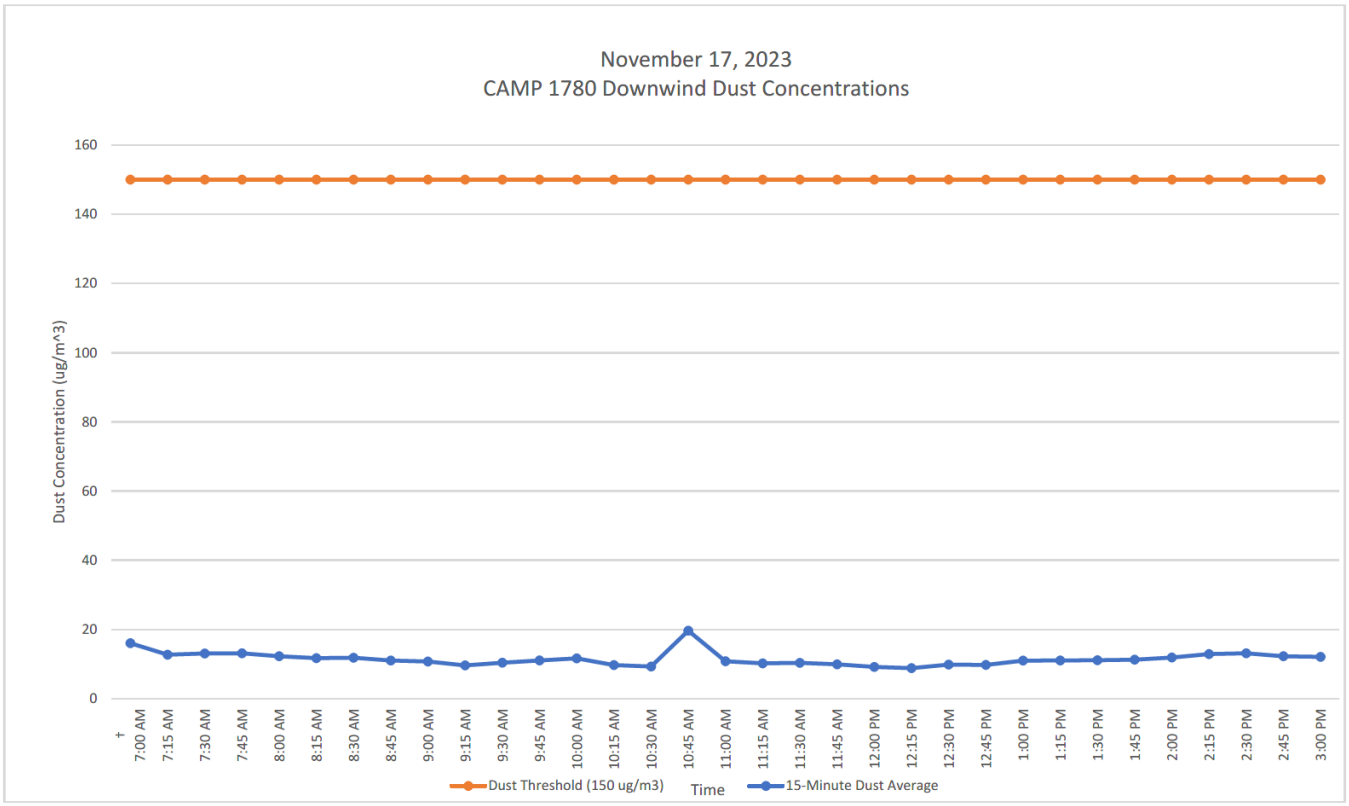


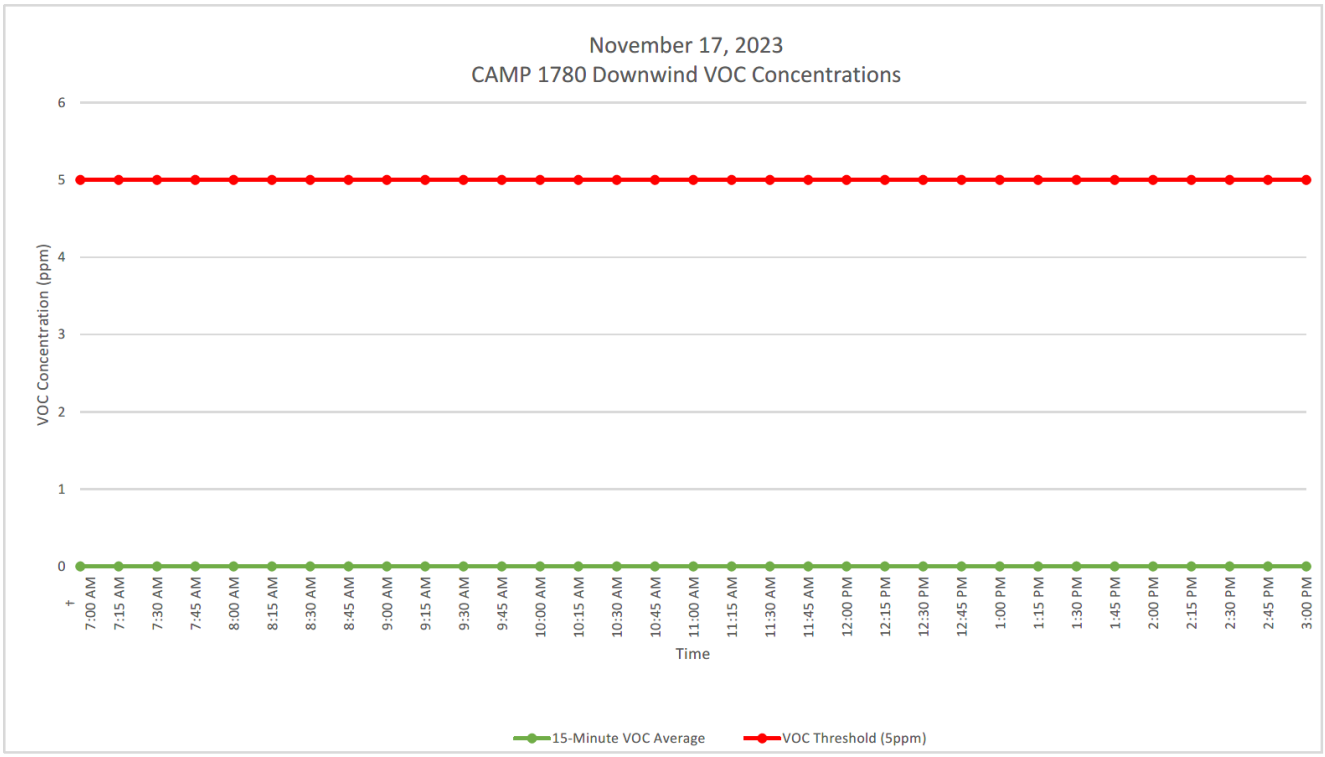


GZA DAILY FIELD SUMMARY 85

DATE: 11/17/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 85

DATE: 11/17/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	440	8,800	1	20	514	10,280
TOTAL	**73**	**1,460**	**440**	**8,800**	**1**	**20**	**514**	**10,280**

GZA DAILY FIELD SUMMARY 85

DATE: 11/17/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	16	414.61	5	113.1	24	606.27
TOTAL	**3**	**78.56**	**16**	**414.61**	**5**	**113.1**	**24**	**606.27**

`

GZA DAILY FIELD SUMMARY 86

DATE: 11/20/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	41.95°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	19.68°F
		MAX WIND SPEED	13 mph from NNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, November 20, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**SRM Concrete**	
SITE VISITORS:	**LERA**	
	Mamadou Balde	
	AEL	

GZA DAILY FIELD SUMMARY 86

DATE: 11/20/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 11/20/2023

Work Location (Attachment A): Grids A1, A2, A3, A4, B3, B4, B5, C3, C4, C5, and D4.

1. Three truckloads of gas permeable aggregates from Tilcon New York, Inc. were delivered by Shamrock Materials, LLC and stockpiled in grid B3.
2. J&A installed formwork for foundation Mat A in grids C4 and D4 and spread gas permeable aggregates within the formwork for stable subgrade for waterproofing/vapor barrier membrane.
3. J&A installed rebar for the western exterior foundation wall in grids A1, A2, and A3.
4. Rebar was delivered and stored in grids C3 and C4.
5. Cousin Metal Industries Inc. transported cut-off piles as scrap.
6. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in foundation Mat A in grids A4 and B4. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps.
7. J&A performed dewatering in grids B5, C4, and C5. A total of 22,231.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 5.03 ug/m^3
High Conditions – PID: 3.01 ppm, Particulates: 13.03 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 86

DATE: 11/20/2023
FILE NO: 41.0163097.00

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Three (3) truckloads (77.75 tons) of gas permeable aggregates from Tilcon New York, Inc. were delivered onsite during this monitoring period.

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

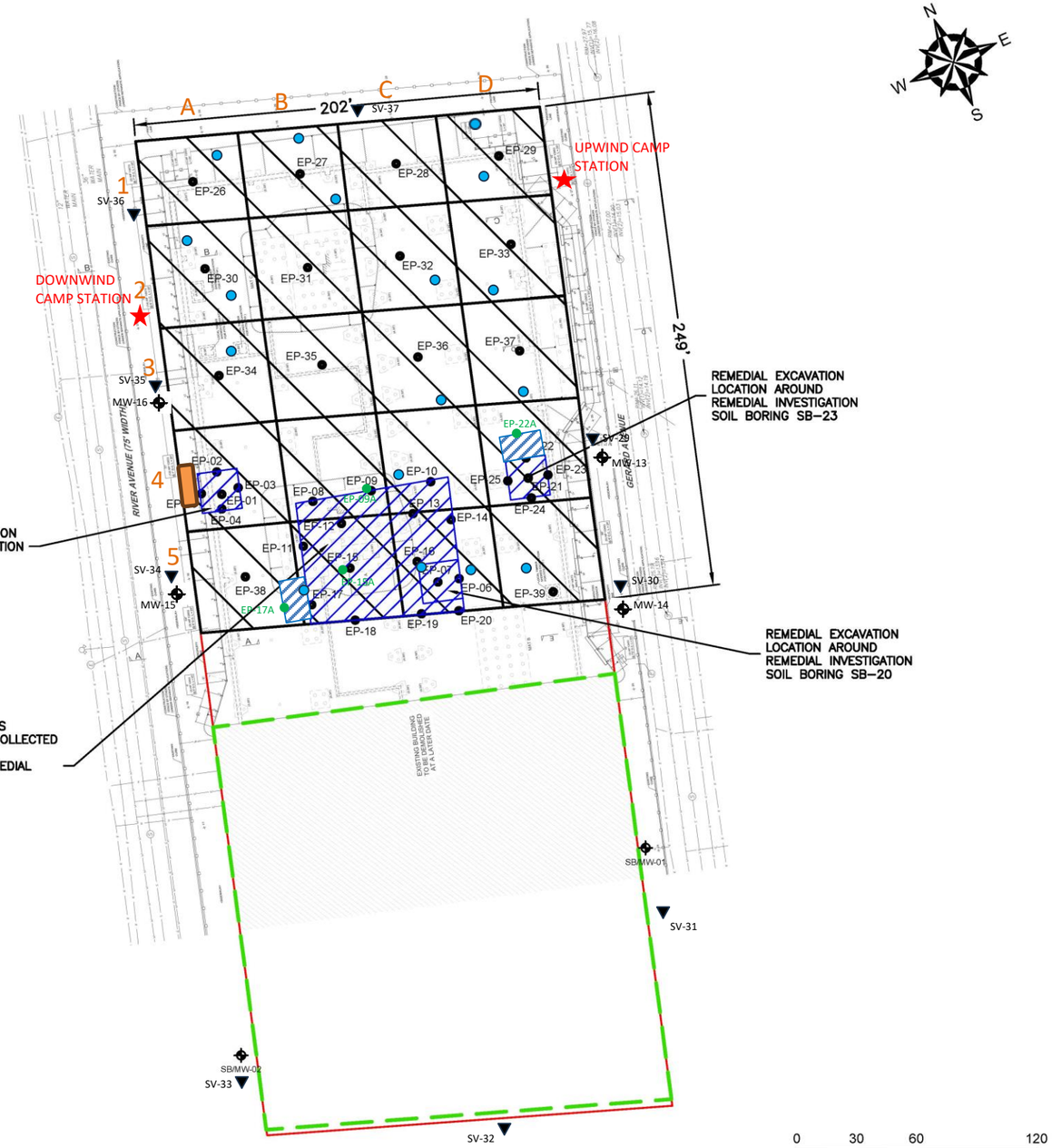
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	22,231.00
Previous	1,096,649.10
Total	**1,118,880.10**

GZA DAILY FIELD SUMMARY 86

DATE: 11/20/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

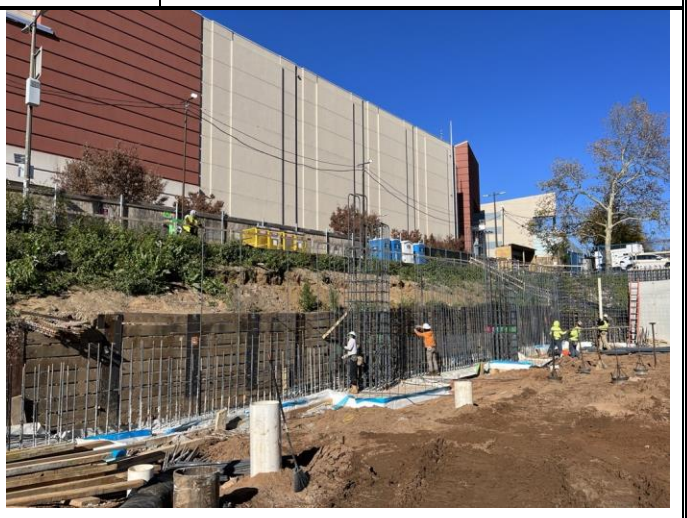
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 86

DATE: 11/20/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: West	Photo No. 2	Direction Photo Taken East
Description: Tilcon gas permeable aggregates delivered to grid B3.		**Description:** J&A pouring concrete into pile caps in grids B3 and C3.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No. 4**	**Direction Photo Taken** Northwest
			
Description: J&A installing formwork and spreading gas permeable aggregates for foundation Mat A in grids A5 and B5; also depicted waterproofing/vapor barrier installed in grids A4 and B4.		**Description:** J&A installing rebar for the western exterior foundation wall in grids A1, A2, and A3.	

GZA DAILY FIELD SUMMARY 86

DATE: 11/20/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 20, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

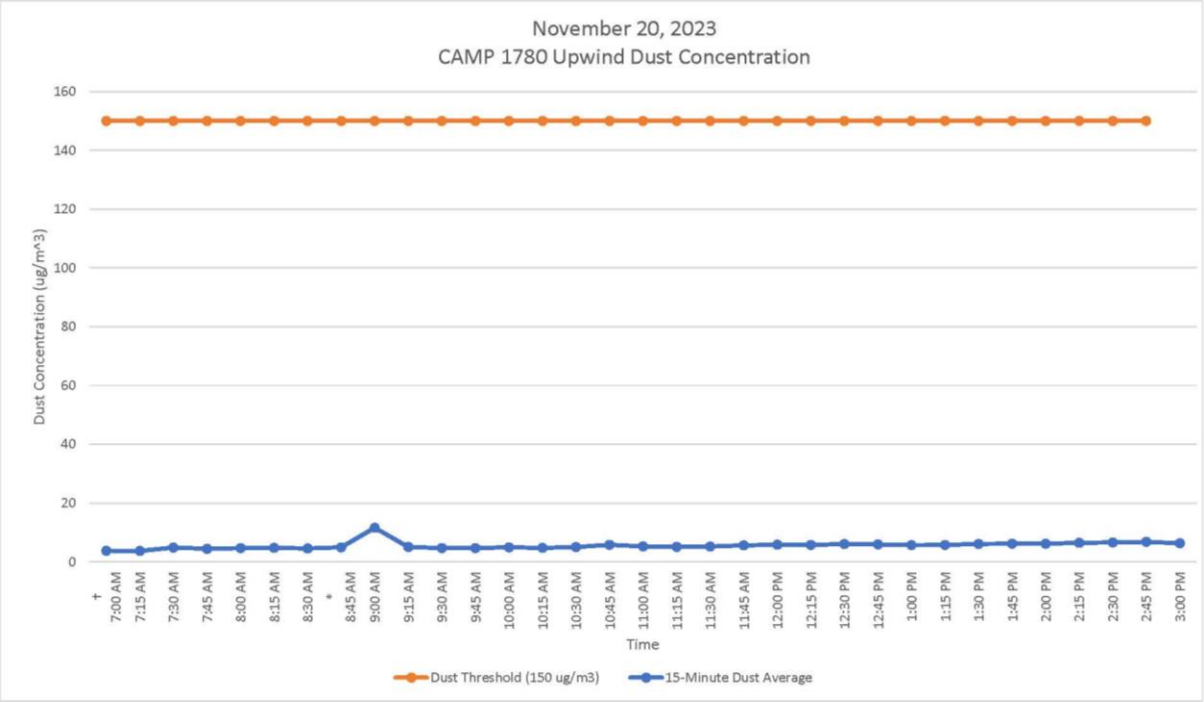
PID 1: 0.0
PID 2: 0.0

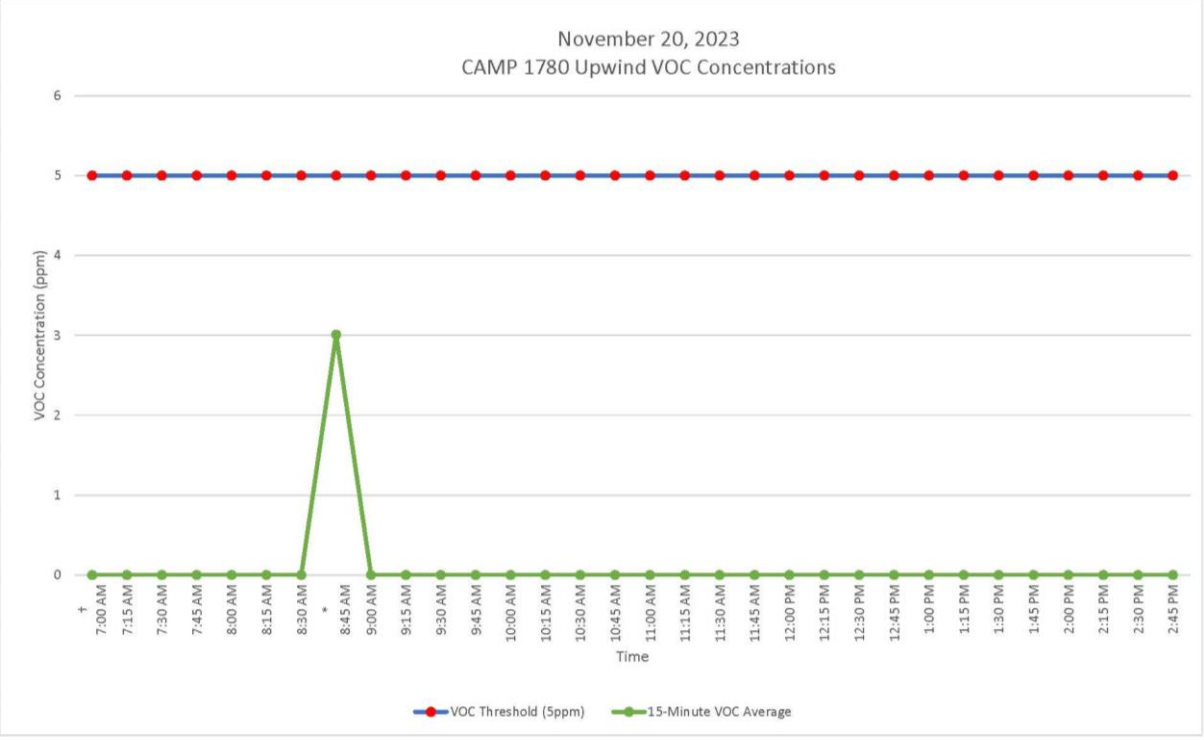
Data Ram 1: 3.81
Data Ram 2: 5.03

GZA DAILY FIELD SUMMARY 86

DATE: 11/20/2023

FILE NO: 41.0163097.00

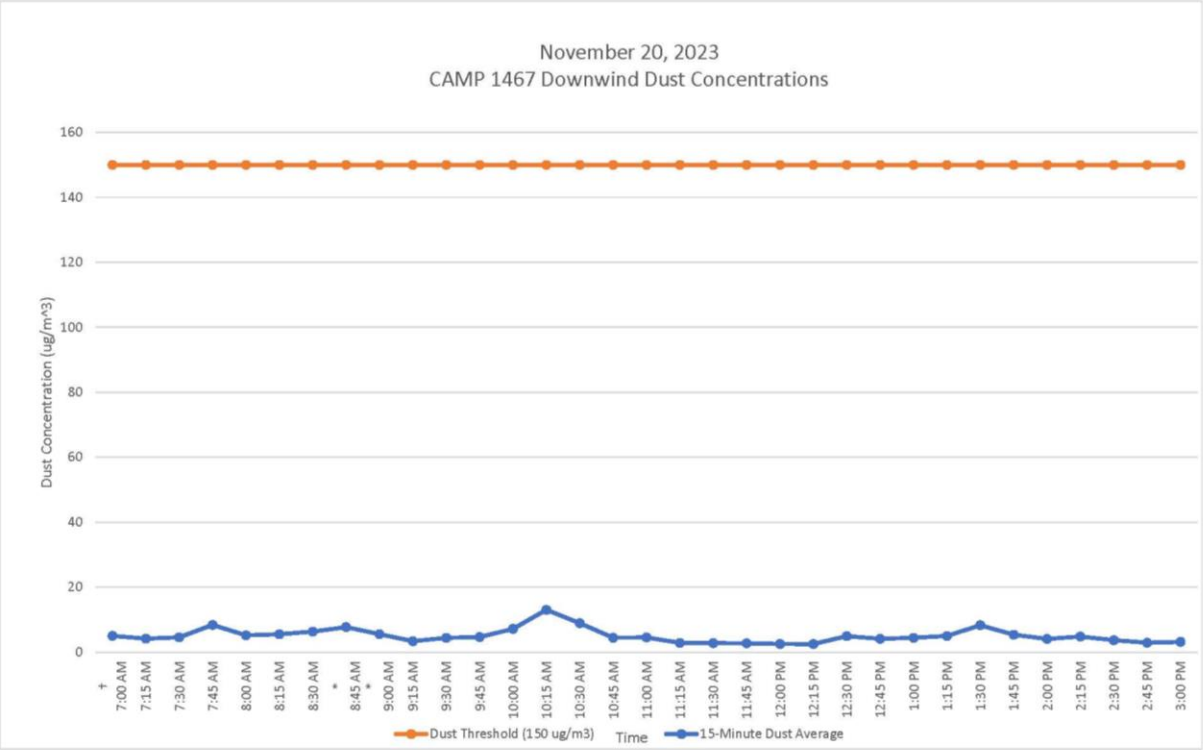


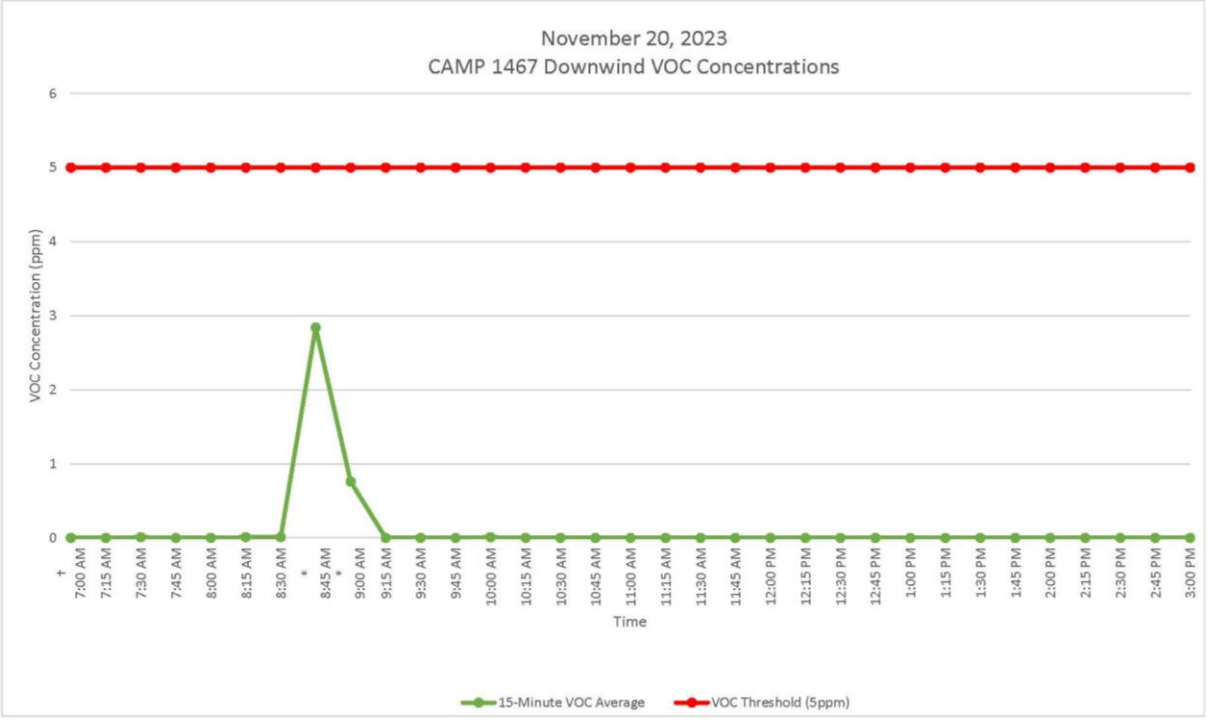


GZA DAILY FIELD SUMMARY 86

DATE: 11/20/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 86

DATE: 11/20/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	440	8,800	1	20	514	10,280
TOTAL	**73**	**1,460**	**440**	**8,800**	**1**	**20**	**514**	**10,280**

GZA DAILY FIELD SUMMARY 86

DATE: 11/20/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	3	77.75	0	0	3	77.75
Previous	3	78.56	16	414.61	5	113.1	24	606.27
TOTAL	**3**	**78.56**	**19**	**492.36**	**5**	**113.1**	**27**	**684.02**

`

GZA DAILY FIELD SUMMARY 87

DATE: 11/21/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy / Light Rain
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	42.82°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	31.86°F
		MAX WIND SPEED	22 mph from ESE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, November 21, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**LERA**	
	Mamadou Balde	
	J&A Concrete	
	Antonio Martins	

GZA DAILY FIELD SUMMARY 87

DATE: 11/21/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 11/21/2023

Work Location (Attachment A): Grids A1, A2, A3, B5, C4, and C5.

1. Excavation in grid B5 to the required elevation for installation of formwork for Mat A, stockpiling in the same grid.
2. Loadout of stockpiled soil from grid B5 (5-10 ft bgs). 9 truckloads of soil (approximately 180 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
3. J&A installed formwork for foundation Mat A in grid B5 and spread gas permeable aggregates within the formwork for stable subgrade for waterproofing/vapor barrier membrane.
4. J&A installed rebar and formwork for the western exterior foundation wall in grids A1, A2, and A3.
5. Cardella Waste transported one roll-off container onsite.
6. J&A performed dewatering in grids B5, C4, and C5. A total of 21,897.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.02 ppm, Particulates: 45.61 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 13.29 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 9 truckloads of excavated material were transported to Clean Earth of Carteret, NJ.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 87

DATE: 11/21/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

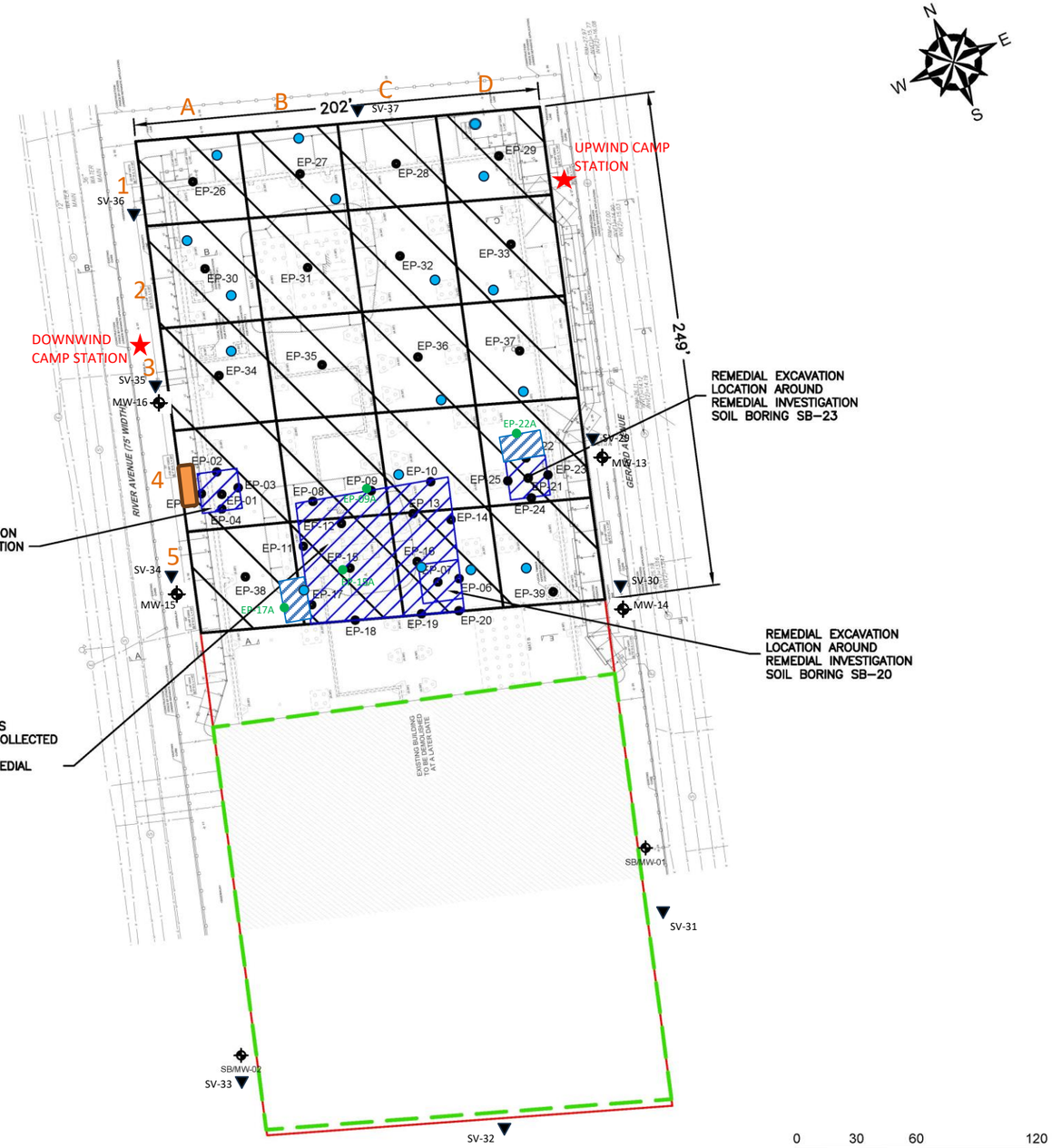
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	21,897.00
Previous	1,118,880.10
Total	**1,140,777.10**

GZA DAILY FIELD SUMMARY 87

DATE: 11/21/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 87

DATE: 11/21/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Southeast	Photo No. 2	Direction Photo Taken Southeast
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A installing formwork and spreading gas permeable aggregates for foundation Mat A in grids A5 and B5.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No. 4**	**Direction Photo Taken** Northwest
Description: J&A installing rebar and formwork for the western exterior foundation wall in grids A1, A2, and A3.		**Description:** J&A Dewatering in grid C5.	

GZA DAILY FIELD SUMMARY 87

DATE: 11/21/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 21, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

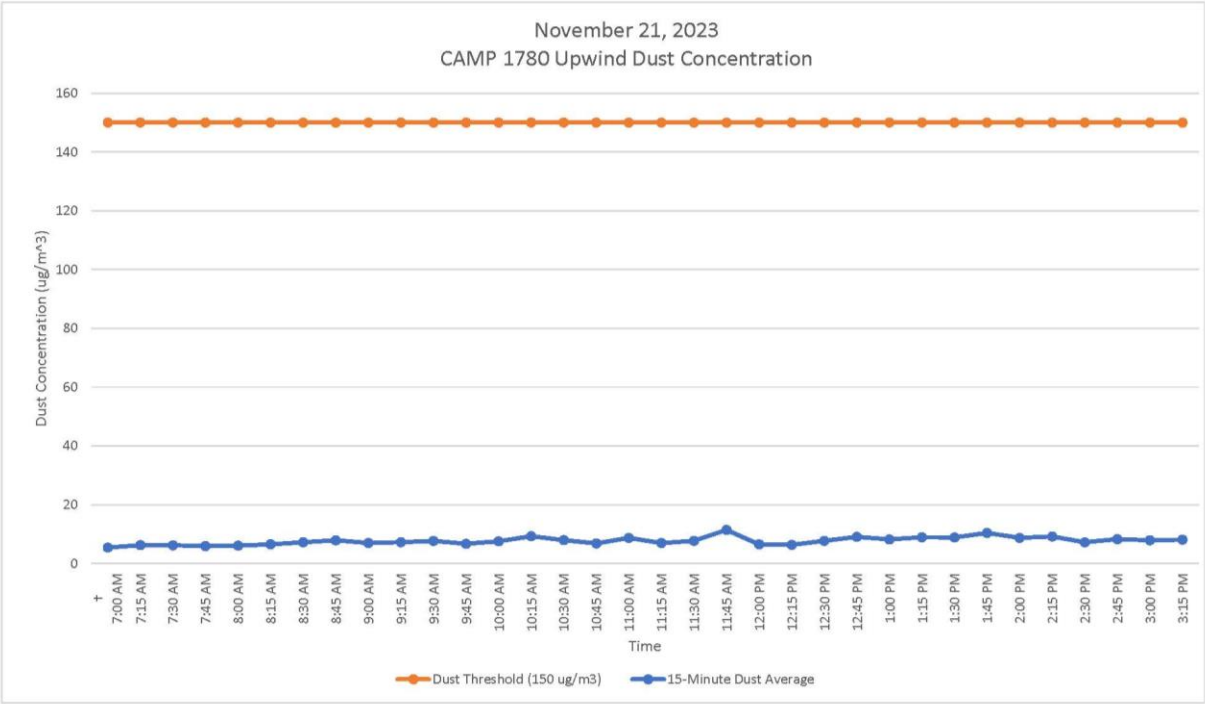
PID 1: 0.0
PID 2: 0.0

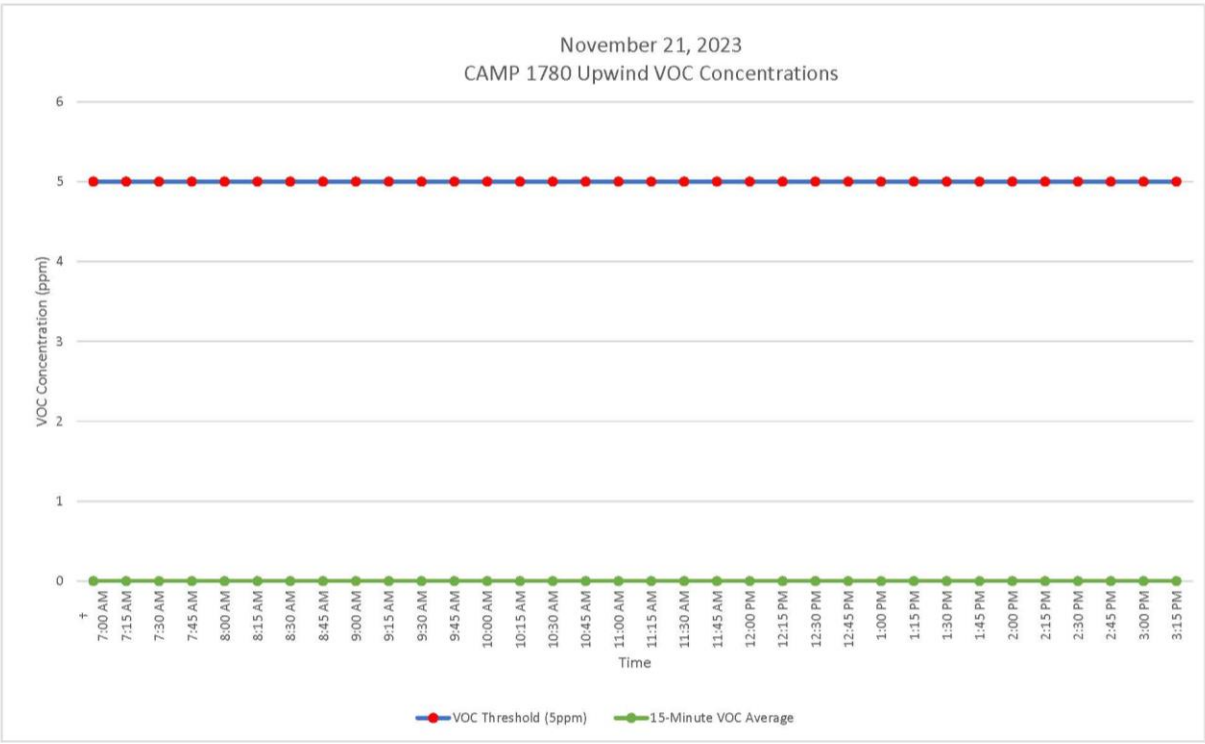
Data Ram 1: 5.46
Data Ram 2: 45.61

GZA DAILY FIELD SUMMARY 87

DATE: 11/21/2023

FILE NO: 41.0163097.00

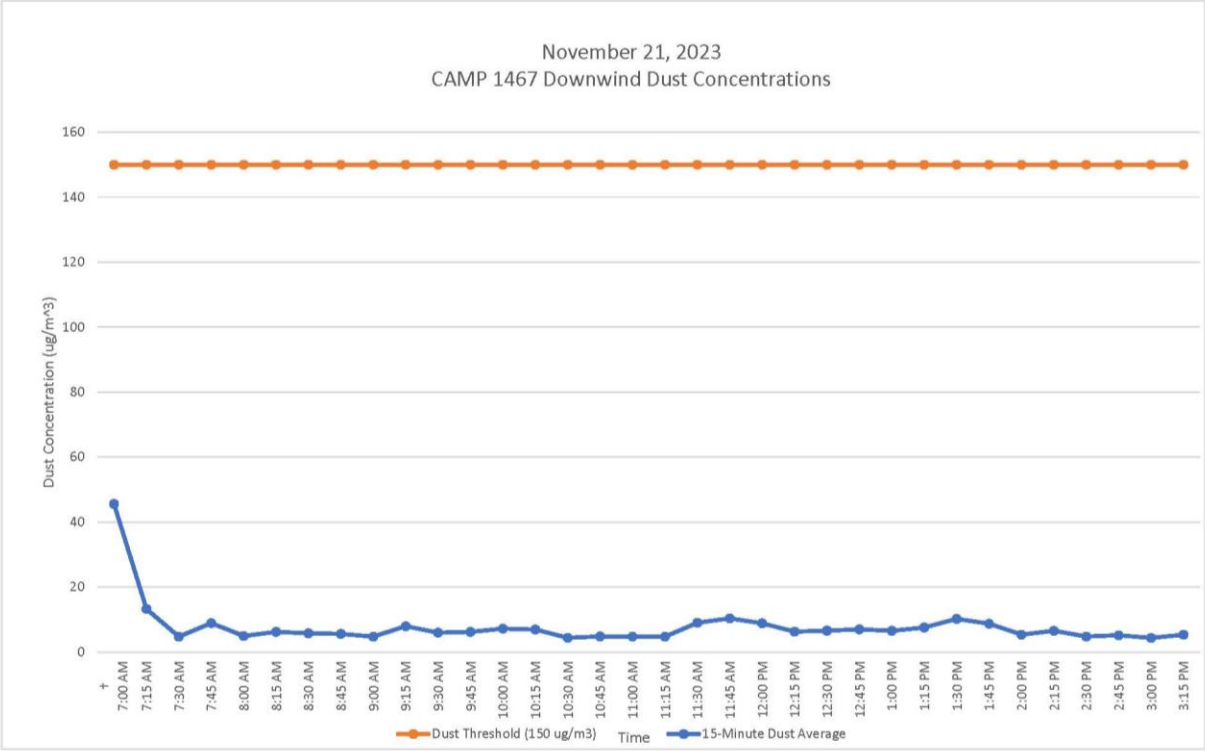


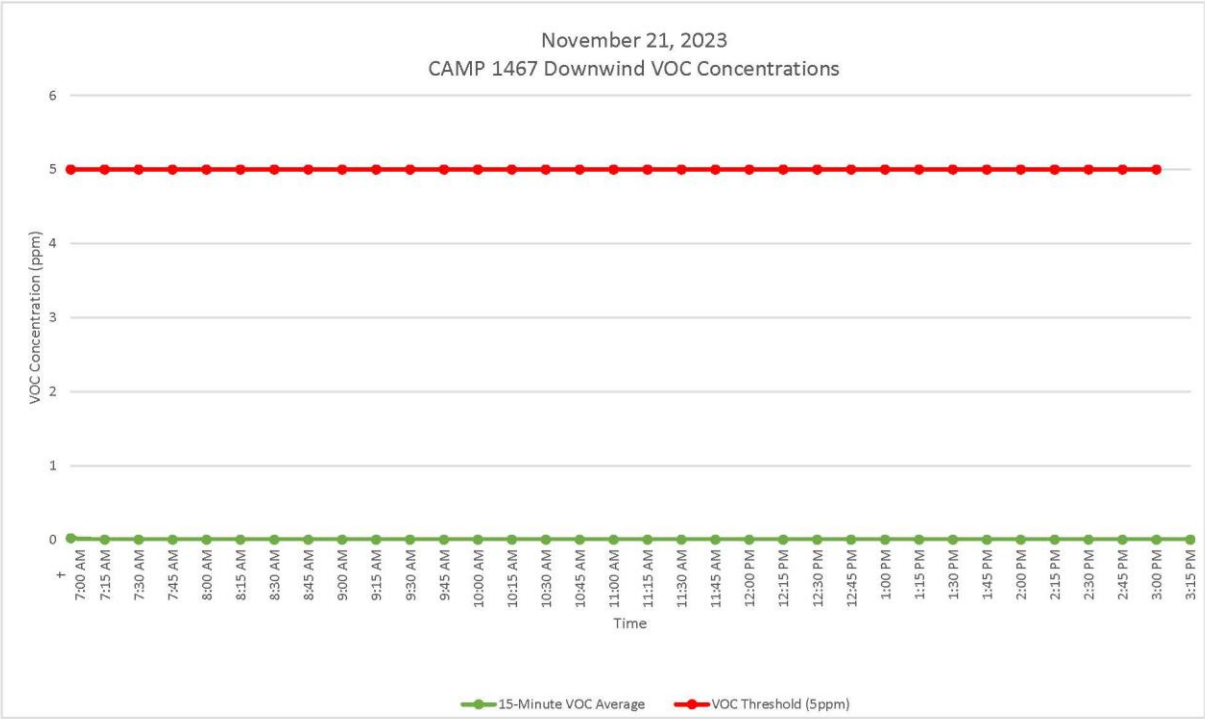


GZA DAILY FIELD SUMMARY 87

DATE: 11/21/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 87

DATE: 11/21/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	9	180	0	0	9	180
Previous	73	1,460	440	8,800	1	20	514	10,280
TOTAL	**73**	**1,460**	**449**	**8,980**	**1**	**20**	**523**	**10,460**

GZA DAILY FIELD SUMMARY 87

DATE: 11/21/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	19	492.36	5	113.1	27	684.02
TOTAL	**3**	**78.56**	**19**	**492.36**	**5**	**113.1**	**27**	**684.02**

`

GZA DAILY FIELD SUMMARY 88

DATE: 11/22/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	52.00°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	46.43°F
		MAX WIND SPEED	28 mph from ESE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	2.39 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, November 22, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**MRCE**	
	Soil Solutions	
	SRM Concrete	
SITE VISITORS:	**LERA**	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 88

DATE: 11/22/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 11/22/2023

Work Location (Attachment A): Grids A1, A2, A3, B5, C1, C4, C5, D1, D2, and D3.

1. Loadout of stockpiled soil from grid B5 (5-10 ft bgs). 3 truckloads of soil (approximately 60 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. J&A installed formwork for foundation Mat A in grid B5 and spread gas permeable aggregates within the formwork for stable subgrade for waterproofing/vapor barrier membrane.
3. Soil Solutions cut piles in grid B5.
4. J&A poured concrete and placed rebar cages in piles in grids B5 and C5.
5. J&A installed rebar and formwork for the western exterior foundation wall in grids A1, A2, and A3.
6. Stripping of formwork from the northern and eastern foundation walls in grids C1, D1, D2, and D3.
7. J&A performed dewatering in grids B5, C4, and C5. A total of 62,236.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 4.37 ug/m^3
High Conditions – PID: 0.05 ppm, Particulates: 7.17 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 3 truckloads of excavated material were transported to Clean Earth of Carteret, NJ.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 88

DATE: 11/22/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

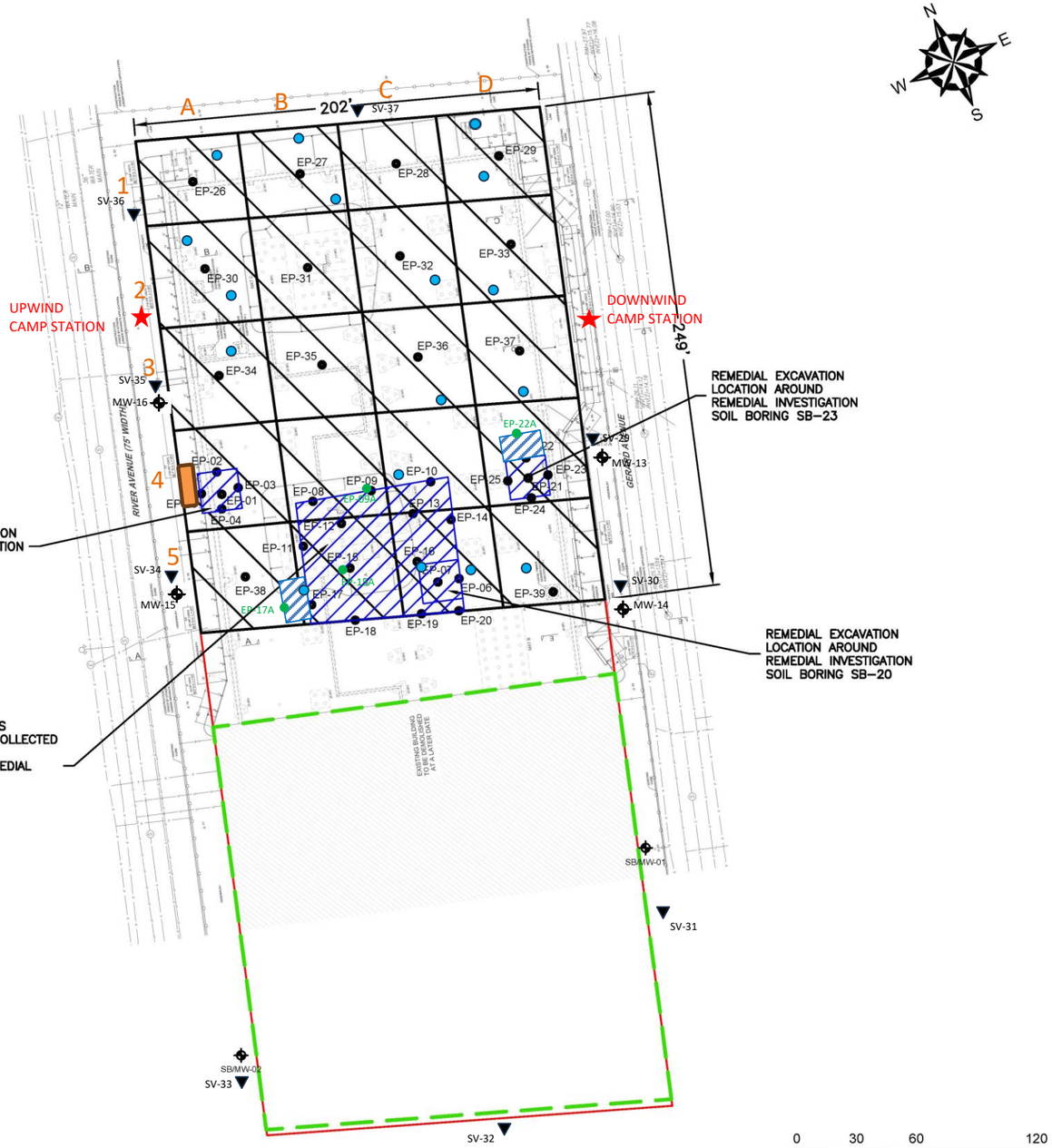
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	62,236.00
Previous	1,140,777.10
Total	**1,203,013.10**

GZA DAILY FIELD SUMMARY 88

DATE: 11/22/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

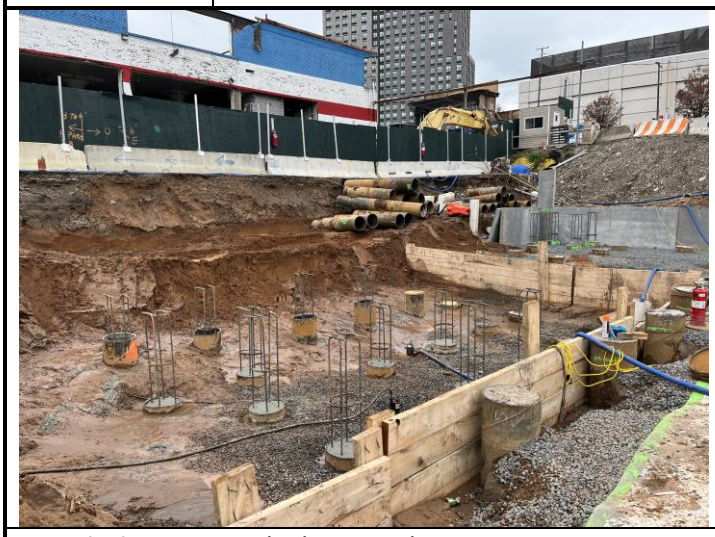
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 88

DATE: 11/22/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken Northeast
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** J&A pouring concrete in piles in grids B5 and C5.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No. 4**	**Direction Photo Taken** Northeast
			
Description: Grouted piles in grids B5.		**Description:** Overview of the northern portion of Site at the end of day.	

GZA DAILY FIELD SUMMARY 88

DATE: 11/22/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 22, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

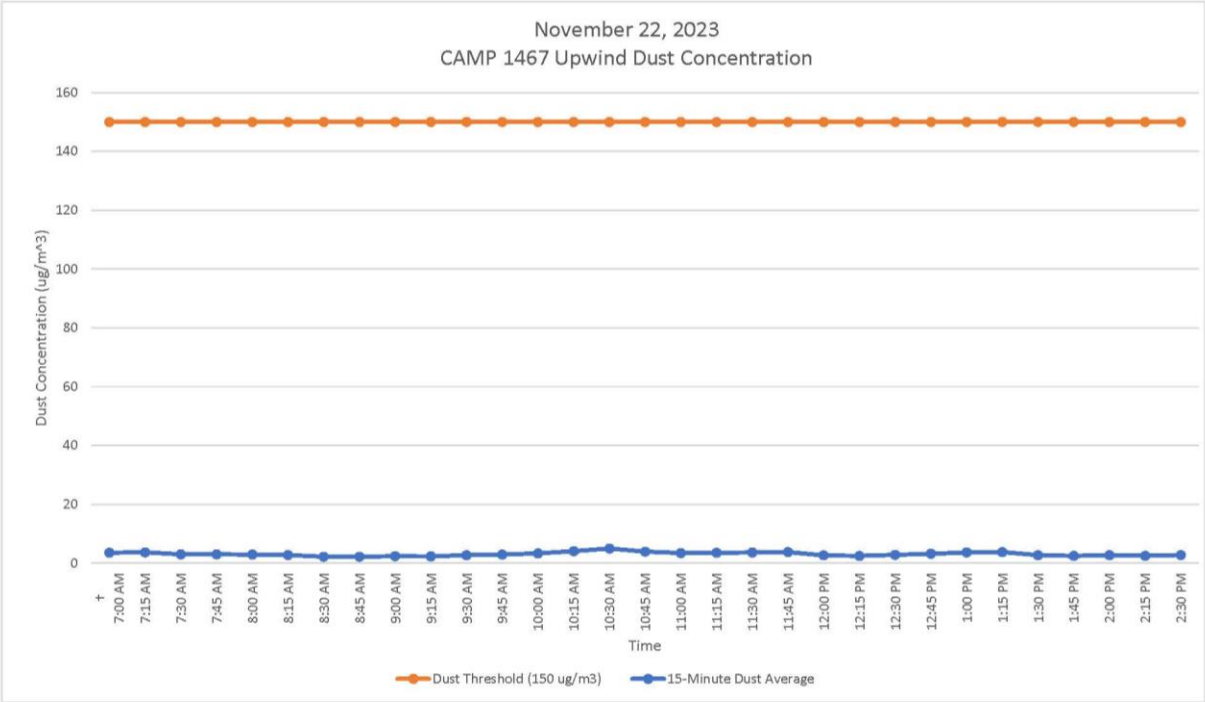
Background Readings:
PID 1: 0.0
PID 2: 0.0

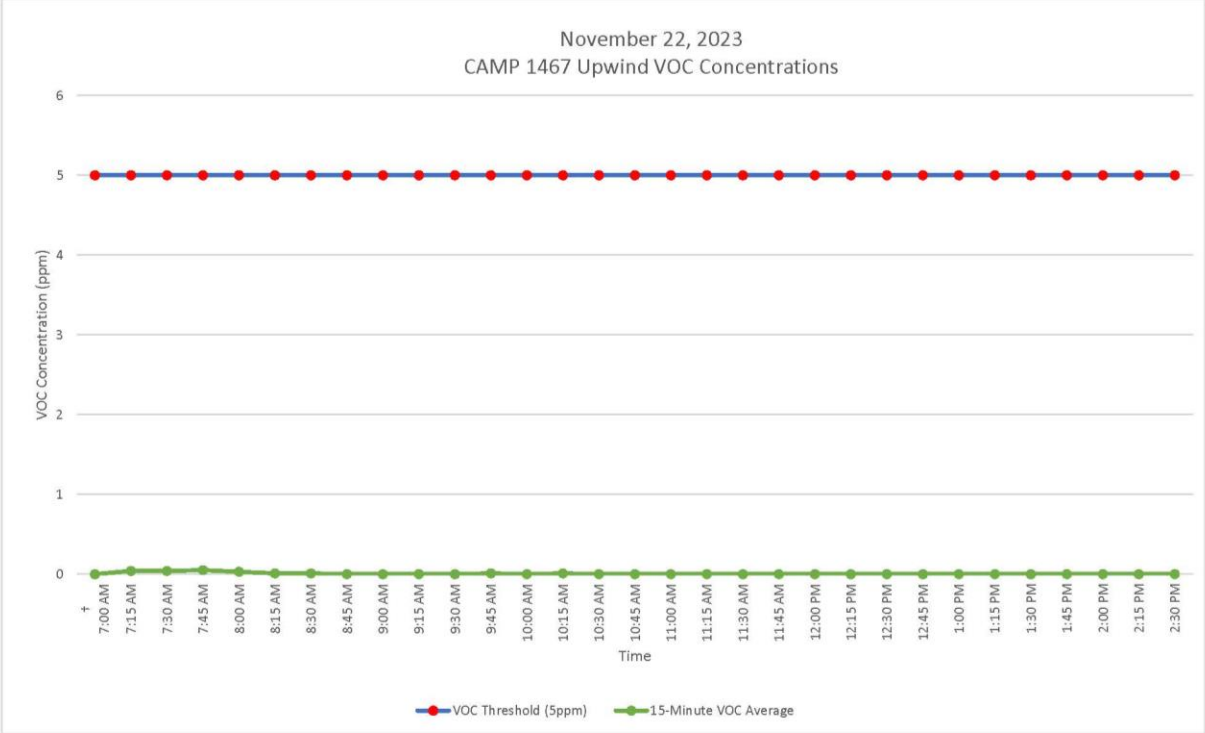
Data Ram 1: 3.54
Data Ram 2: 4.37

GZA DAILY FIELD SUMMARY 88

DATE: 11/22/2023

FILE NO: 41.0163097.00

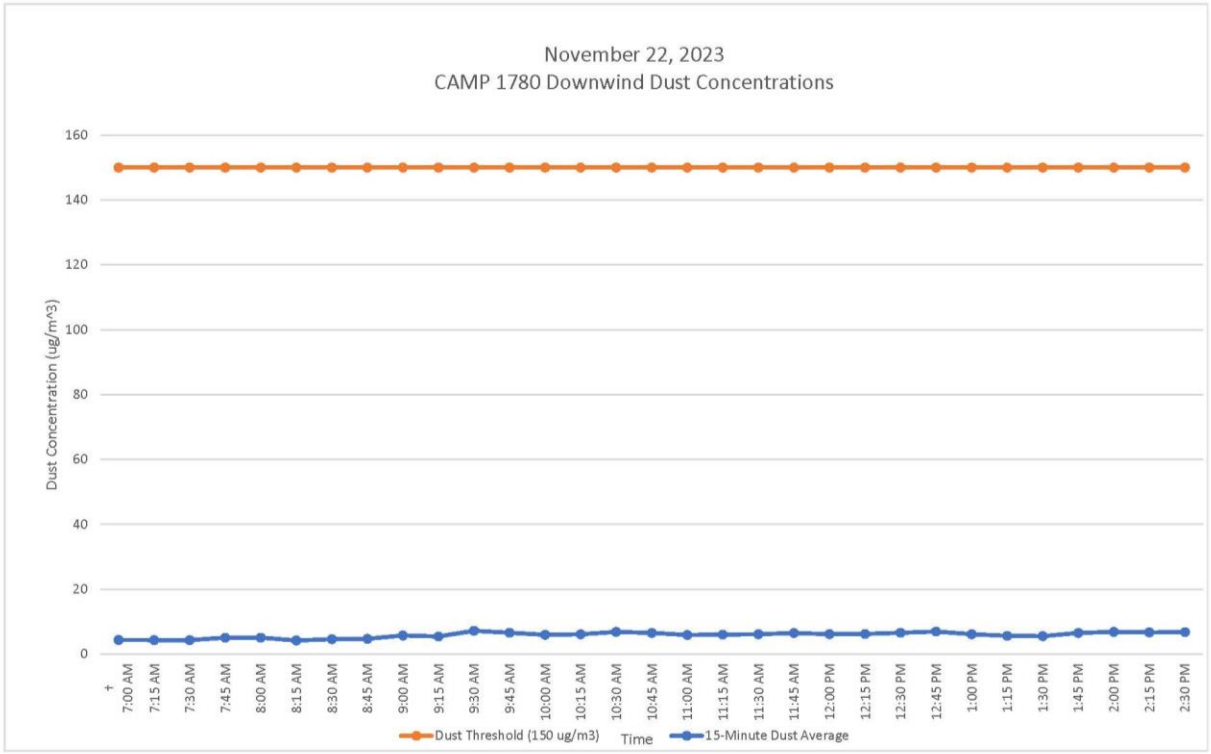


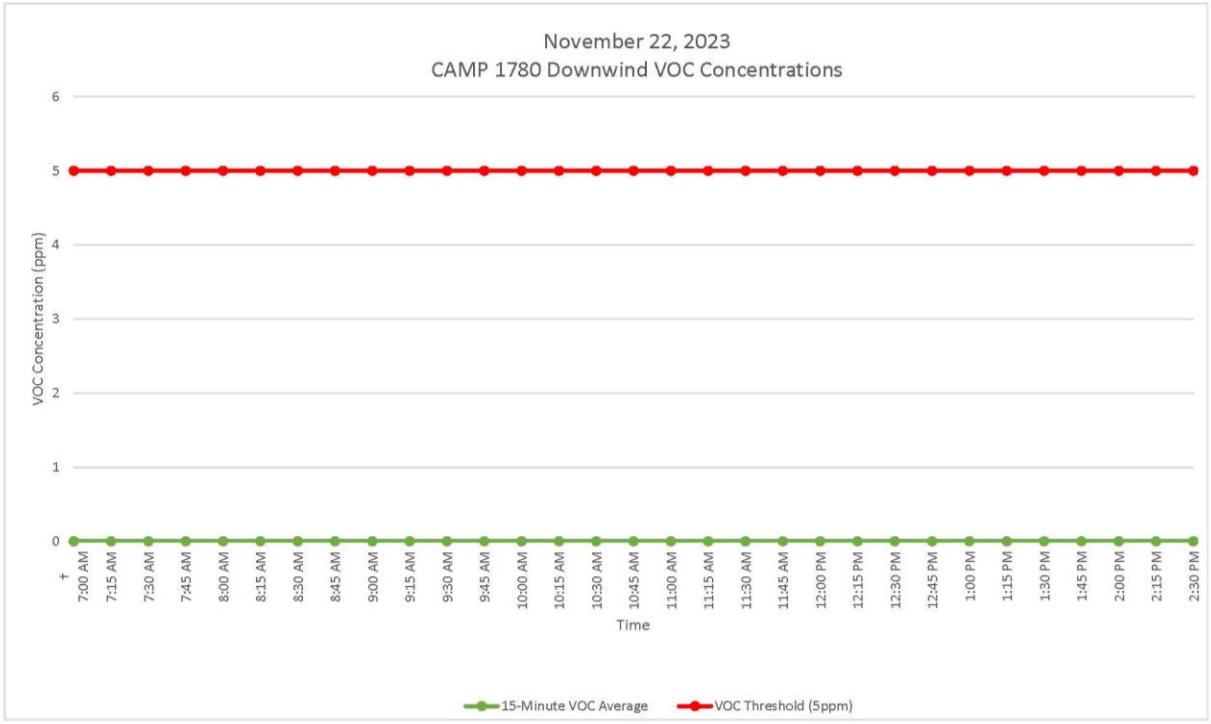


GZA DAILY FIELD SUMMARY 88

DATE: 11/22/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 88

DATE: 11/22/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	3	60	0	0	3	60
Previous	73	1,460	449	8,980	1	20	523	10,460
TOTAL	**73**	**1,460**	**452**	**9,040**	**1**	**20**	**526**	**10,520**

GZA DAILY FIELD SUMMARY 88

DATE: 11/22/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	19	492.36	5	113.1	27	684.02
TOTAL	**3**	**78.56**	**19**	**492.36**	**5**	**113.1**	**27**	**684.02**

`

GZA DAILY FIELD SUMMARY 89

DATE: 11/27/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	48.79°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	37.88°F
		MAX WIND SPEED	20 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.33 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, November 27, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:	**LERA**	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 89

DATE: 11/27/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 11/27/2023

Work Location (Attachment A): Grids A1, A2, A3, A5, B3, B4, B5, C4, and C5.

1. Loadout of stockpiled soil from grid B5 (5-8 ft bgs). 3 truckloads of soil (approximately 60 cubic yards) were transported to Clean Earth of Carteret, New Jersey.
2. Three truckloads of gas permeable aggregates from Tilcon New York, Inc. were delivered by Shamrock Materials, LLC and stockpiled in grid B3.
3. J&A installed formwork for foundation Mat A in grids A5 and B5 and spread gas permeable aggregates within the formwork for stable subgrade for waterproofing/vapor barrier membrane.
4. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in foundation Mat A in grids A5, B4, and B5. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps.
5. J&A installed rebar and formwork for the western exterior foundation wall in grids A1, A2, and A3.
6. J&A performed dewatering in grids B5, C4, and C5. A total of 224,423.00 gallons of groundwater was generated and treated overnight.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 10.60 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 13.10 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- 3 truckloads of excavated material were transported to Clean Earth of Carteret, NJ.

GZA DAILY FIELD SUMMARY 89

DATE: 11/27/2023
FILE NO: 41.0163097.00

TOTAL CLEAN FILL IMPORTED (Attachment E)

- 3 truckloads (77.81 tons) of gas permeable aggregates from Tilcon New York, Inc. were delivered onsite during this monitoring period.

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

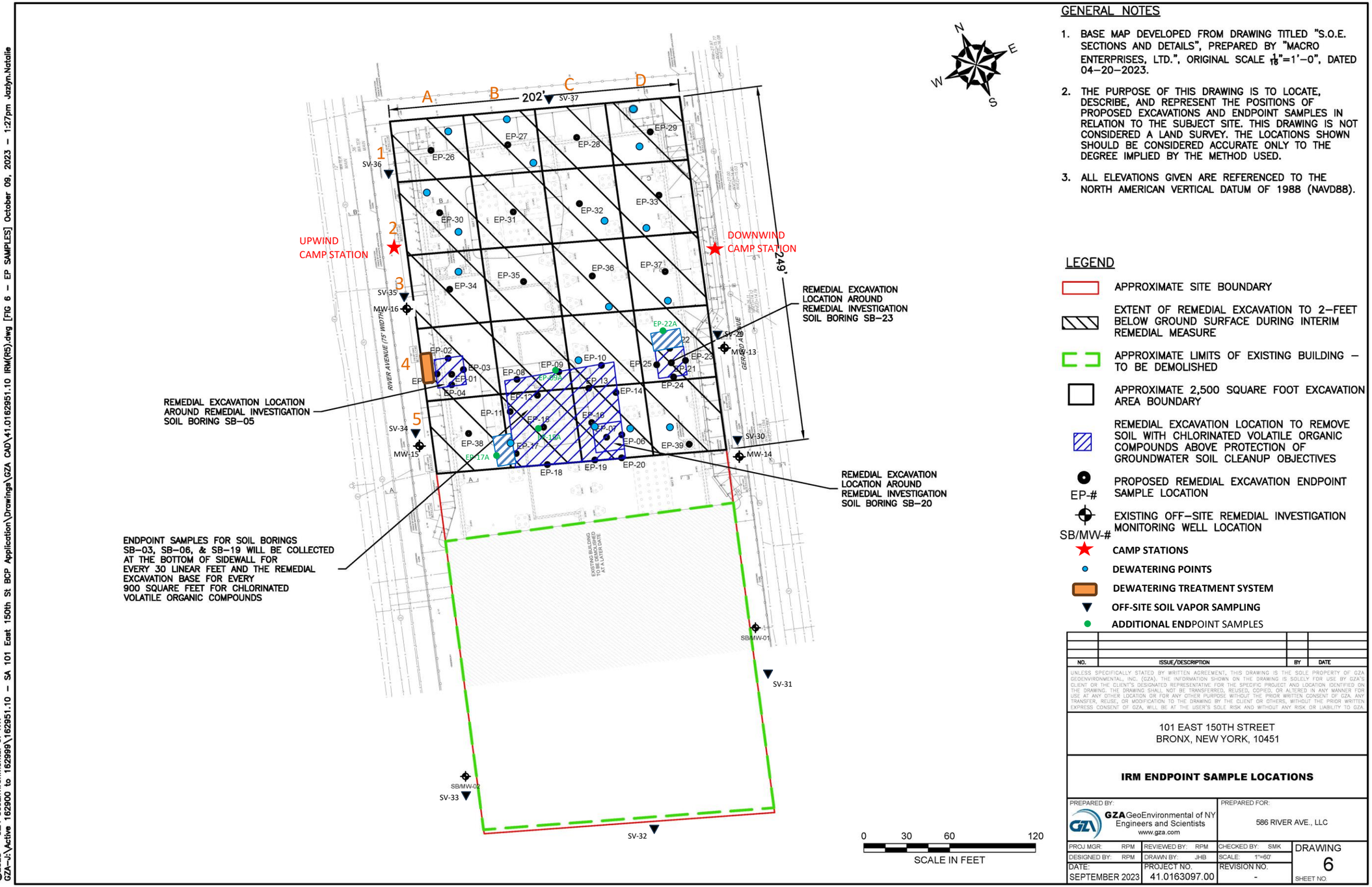
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	224,423.00
Previous	1,203,013.10
Total	**1,426,436.10**

GZA DAILY FIELD SUMMARY 89

DATE: 11/27/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

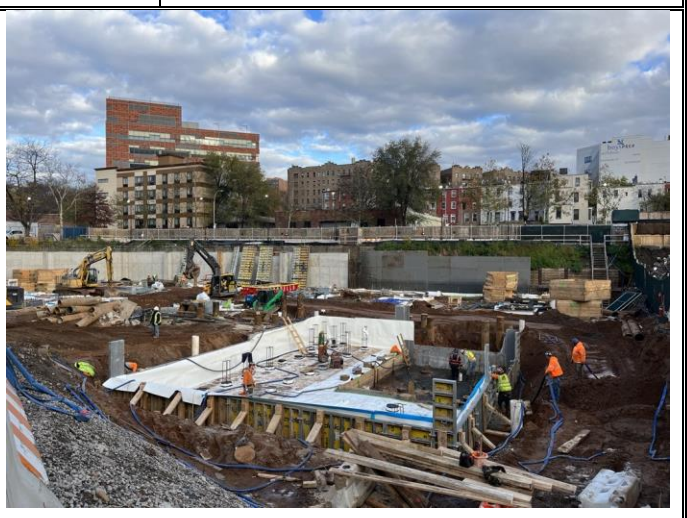
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 89

DATE: 11/27/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Northeast	Photo No. 2	Direction Photo Taken Northeast
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** Tilcon gas permeable aggregates delivered to grid B3.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No. 4**	**Direction Photo Taken** Northeast
			
Description: PREPRUFE 300R Plus waterproofing/vapor barrier membrane installed in grids A5 and B5; Penetrations around piles are sealed to prevent gaps.		**Description:** Overview of Mat A and the southern portion of Site at the end of day.	

GZA DAILY FIELD SUMMARY 89

DATE: 11/27/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 27, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held: PID Model 580 SN: 592-602879; SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**	
1	☐ YES	☐ NO	1 ☐ YES	☒ NO
2	☐ YES	☐ NO	2 ☐ YES	☒ NO
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO
2	☐ YES	☒ NO
Hand Held	☒ YES	☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs:

Instrument:				Results/Comments:
1	☒ Data	☒ Avg	☐ Summary	
2	☒ Data	☒ Avg	☐ Summary	

Data Rams:

1	☒ Data
2	☒ Data

Weather Station: ☐ YES

Background Readings:

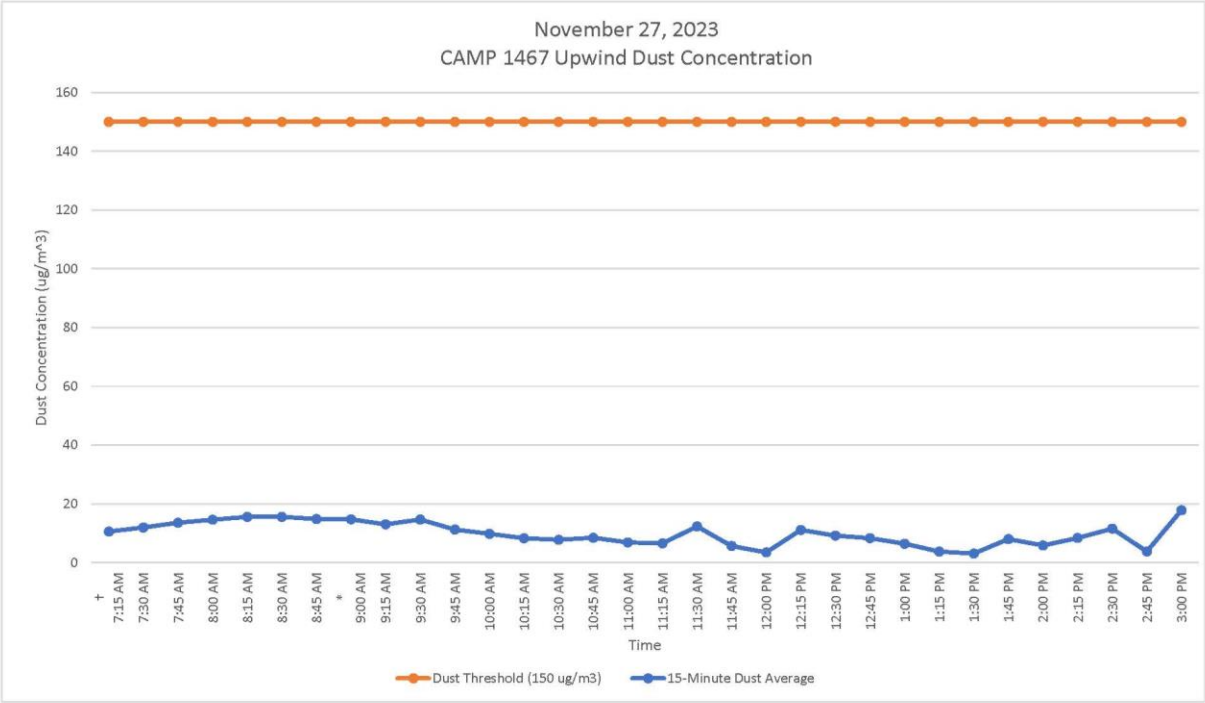
PID 1: 0.0
PID 2: 0.0

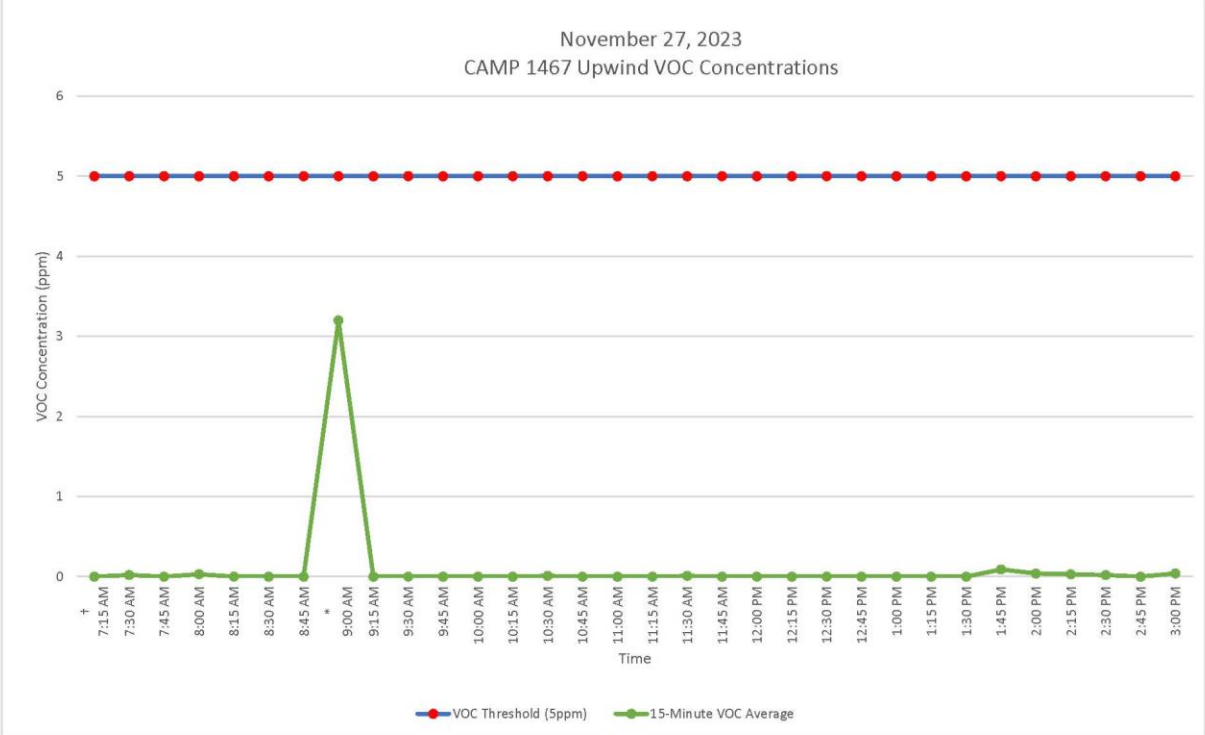
Data Ram 1: 10.60
Data Ram 2: 13.10

GZA DAILY FIELD SUMMARY 89

DATE: 11/27/2023

FILE NO: 41.0163097.00

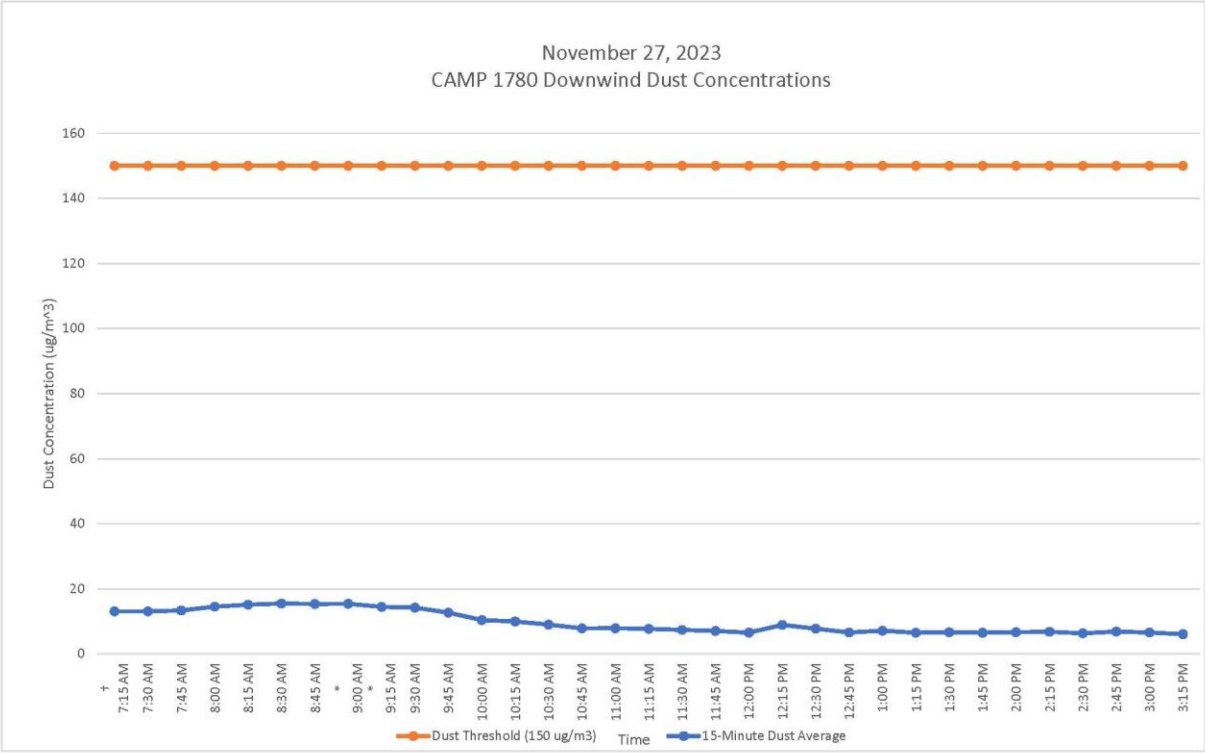


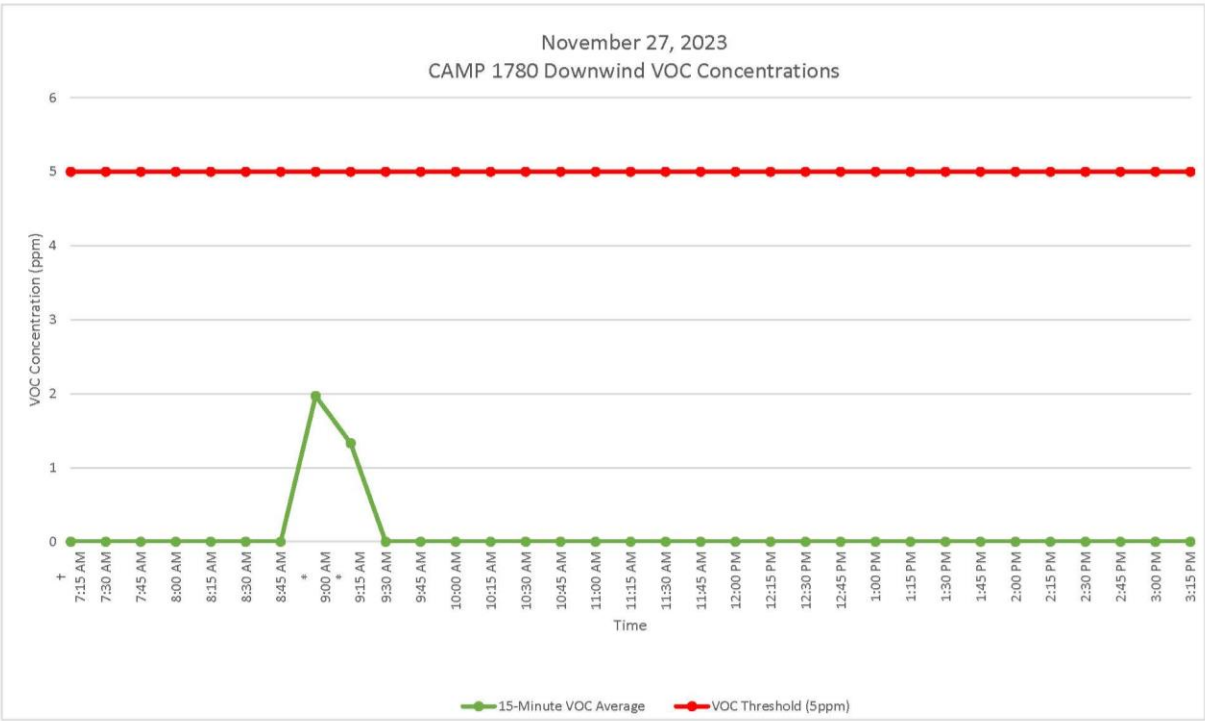


GZA DAILY FIELD SUMMARY 89

DATE: 11/27/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 89

DATE: 11/27/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	3	60	0	0	3	60
Previous	73	1,460	452	9,040	1	20	526	10,520
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 89

DATE: 11/27/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	3	77.81	0	0	3	77.81
Previous	3	78.56	19	492.36	5	113.1	27	684.02
TOTAL	**3**	**78.56**	**22**	**570.17**	**5**	**113.1**	**30**	**761.83**

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GZA DAILY FIELD SUMMARY 90

DATE: 11/28/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	36.57°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	15.48°F
		MAX WIND SPEED	24 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, November 28, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
	Soil Solutions	
	MRCE	
	Independence Carting	
	Cousin Metal Industries	
SITE VISITORS:	**LERA**	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 90

DATE: 11/28/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 11/28/2023

Work Location (Attachment A): Grids A1, A2, A3, B4, B5, C5, and D4.

1. J&A installed formwork for foundation Mat A in grid B5 and spread gas permeable aggregates within the formwork for stable subgrade for waterproofing/vapor barrier membrane.
2. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in foundation Mat A in grids B4 and B5. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps.
3. J&A installed rebar and formwork for the western and eastern exterior foundation walls in grids A1, A2, A3, and D4.
4. Rebar was delivered and stored in grid B4.
5. Soil Solutions cut piles in grid B5.
6. Independence Carting, Inc. transported one roll-off container of C&D debris off-Site.
7. Cousin Metal Industries Inc. transported cut-off piles as scrap.
8. J&A performed dewatering in grids B5 and C5. A total of 54,400.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.06 ppm, Particulates: 10.40 ug/m^3
High Conditions – PID: 0.03 ppm, Particulates: 35.02 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 90

DATE: 11/28/2023
FILE NO: 41.0163097.00

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

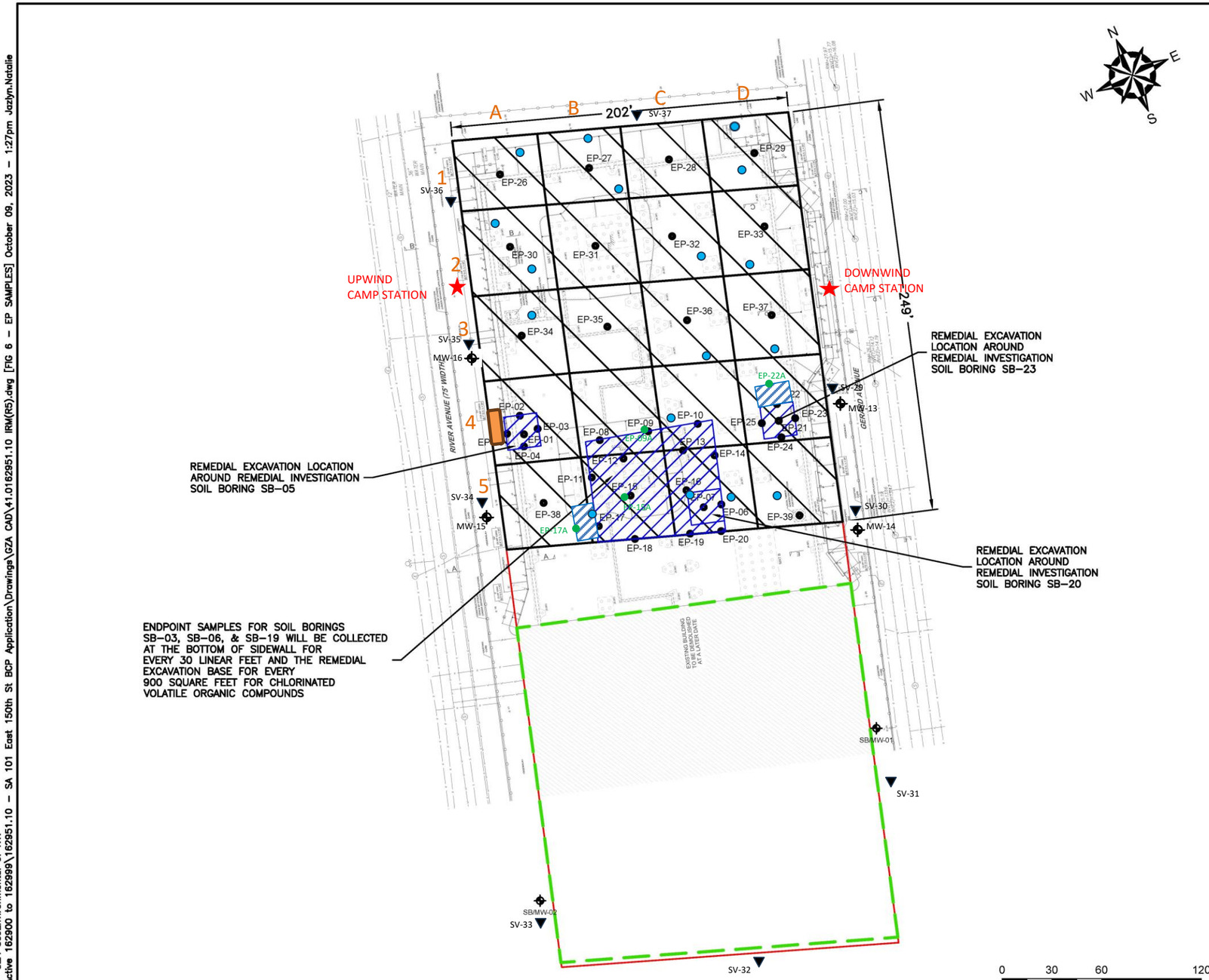
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	54,400.00
Previous	1,426,436.10
Total	**1,480.836.10**

GZA DAILY FIELD SUMMARY 90

DATE: 11/28/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



N
E
W
S

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

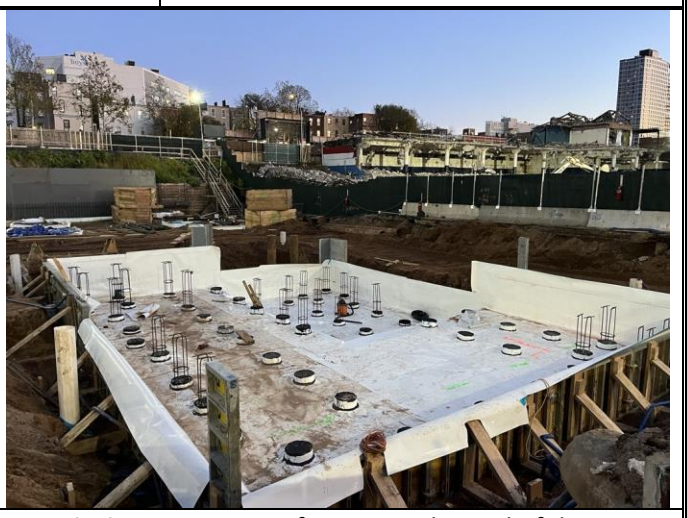
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 90

DATE: 11/28/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Northwest	Photo No. 2	Direction Photo Taken Southeast
Description: J&A loading a roll-off container with cut piles for transport off-Site.		**Description:** Crown Waterproofing installing vapor barrier in Mat A in grids B4 and B5.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No. 4**	**Direction Photo Taken** Southeast
			
Description: J&A dewatering in grid B5.		**Description:** Overview of Mat A at the end of day.	

GZA DAILY FIELD SUMMARY 90

DATE: 11/28/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 28, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

_____ _____

Weather Station: ☐ YES

Background Readings:

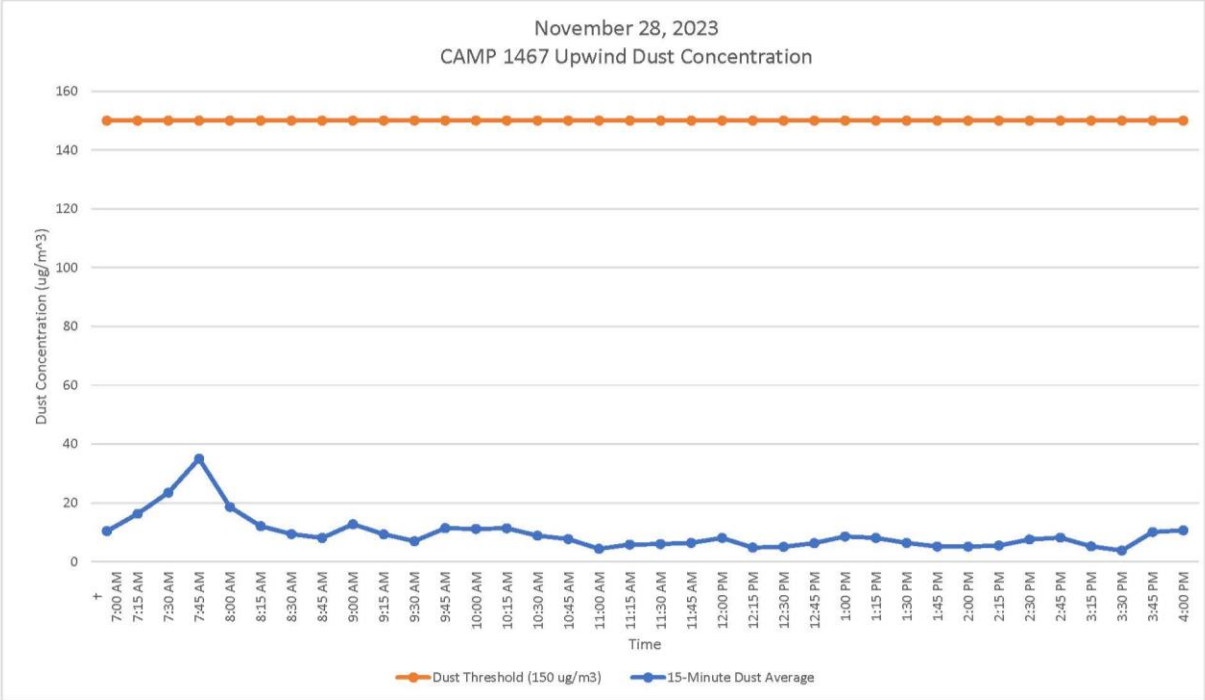
PID 1: 0.0
PID 2: 0.0

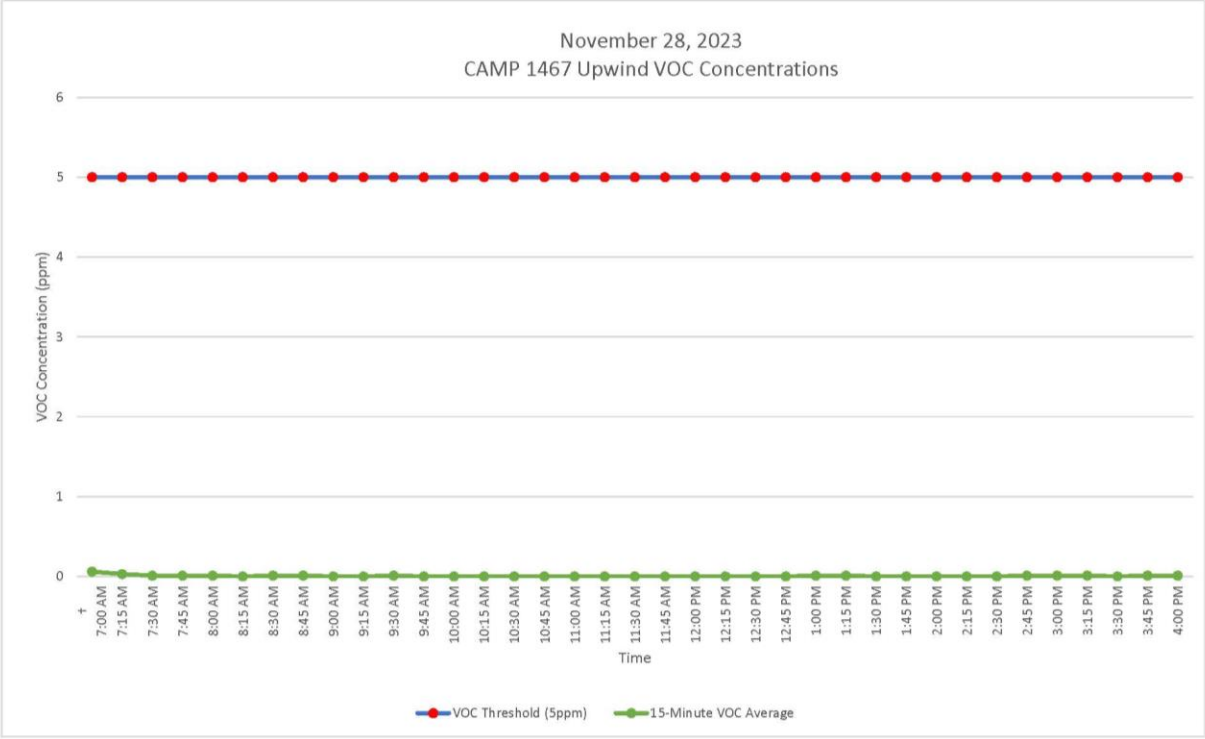
Data Ram 1: 10.40
Data Ram 2: 6.72

GZA DAILY FIELD SUMMARY 90

DATE: 11/28/2023

FILE NO: 41.0163097.00

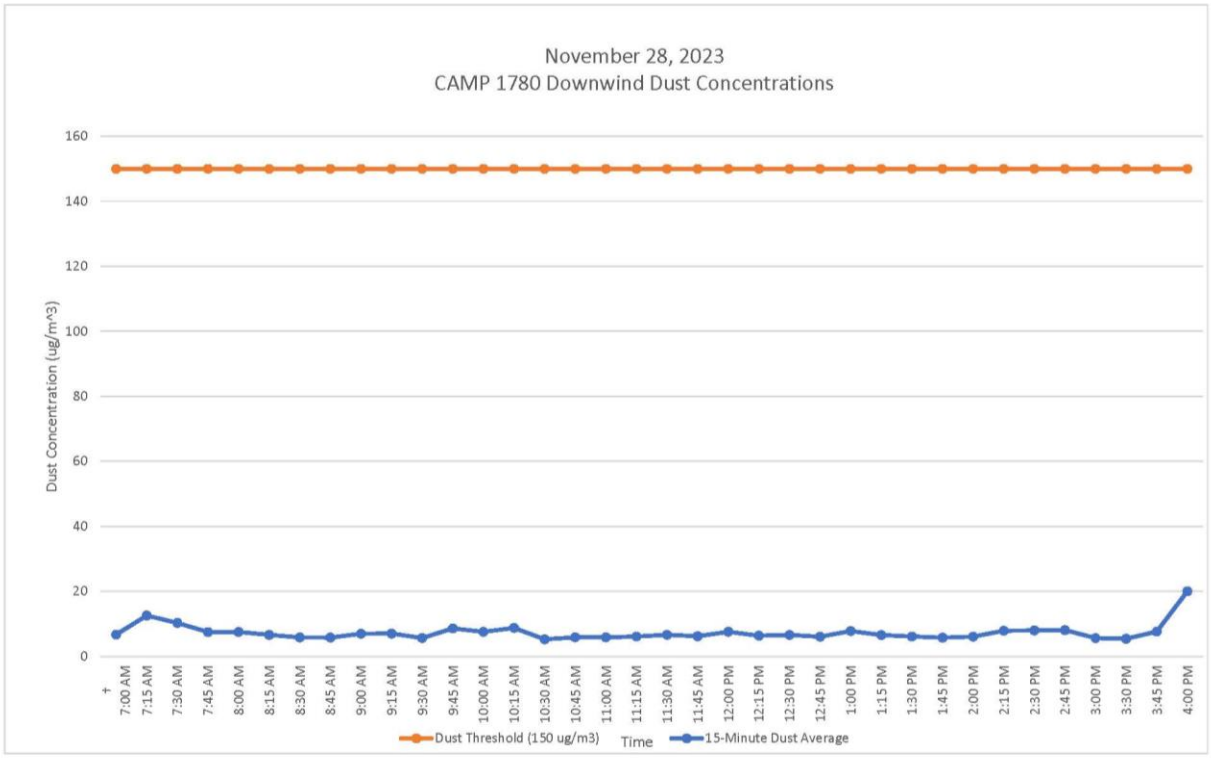


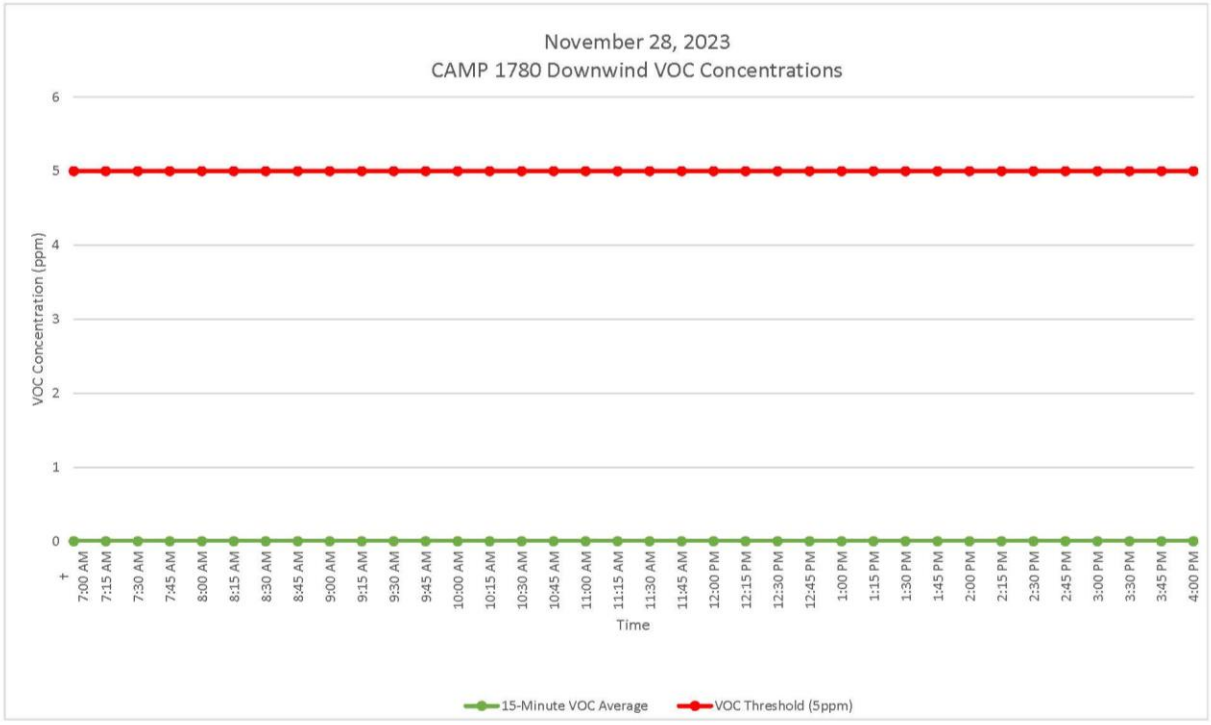


GZA DAILY FIELD SUMMARY 90

DATE: 11/28/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 90

DATE: 11/28/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 90

DATE: 11/28/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	5	113.1	30	761.83
TOTAL	**3**	**78.56**	**22**	**570.17**	**5**	**113.1**	**30**	**761.83**

`

GZA DAILY FIELD SUMMARY 91

DATE: 11/29/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	36.57°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	15.48°F
		MAX WIND SPEED	24 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, November 29, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**SRM Concrete**	
SITE VISITORS:	**LERA**	
	Mamadou Balde	
	SOM	
	Kirsten Youngren	
	DBI	
	Danielle Elbaum	

GZA DAILY FIELD SUMMARY 91

DATE: 11/29/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 11/29/2023

Work Location (Attachment A): Grids A1, A2, A3, B5, C4, and C5.

1. J&A installed rebar and formwork for the western exterior foundation wall in grids A1, A2, and A3.
2. J&A poured concrete for the western exterior foundation wall in grids A1, A2, and A3.
3. J&A installed rebar in foundation Mat A in grid B5.
4. J&A performed dewatering in grids B5, C4, and C5. A total of 44,508.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 35.77 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 15.05 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 91

DATE: 11/29/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

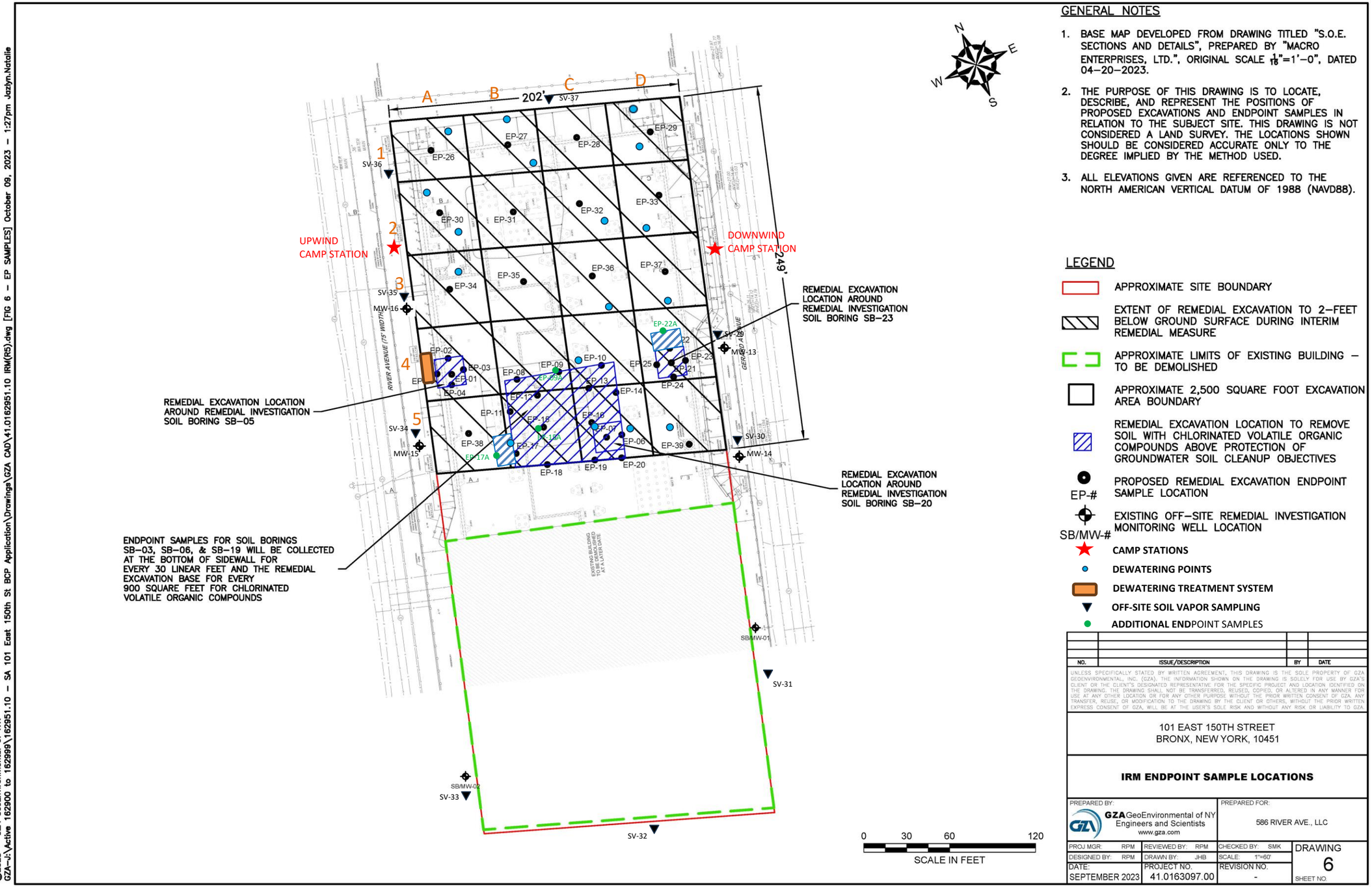
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	44,508.00
Previous	1,480,836.10
Total	**1,525,344.10**

GZA DAILY FIELD SUMMARY 91

DATE: 11/29/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 91

DATE: 11/29/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: North	Photo No. 2	Direction Photo Taken Northwest
Description: J&A concrete pump truck onsite.		**Description:** J&A pouring concrete for western foundation wall in grids A1, A2, and A3.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No. 4**	**Direction Photo Taken** East
Description: Rebar installation in foundation Mat A in grid B5.		**Description:** Overview of Mat A at the end of day.	

GZA DAILY FIELD SUMMARY 91

DATE: 11/29/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 29, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

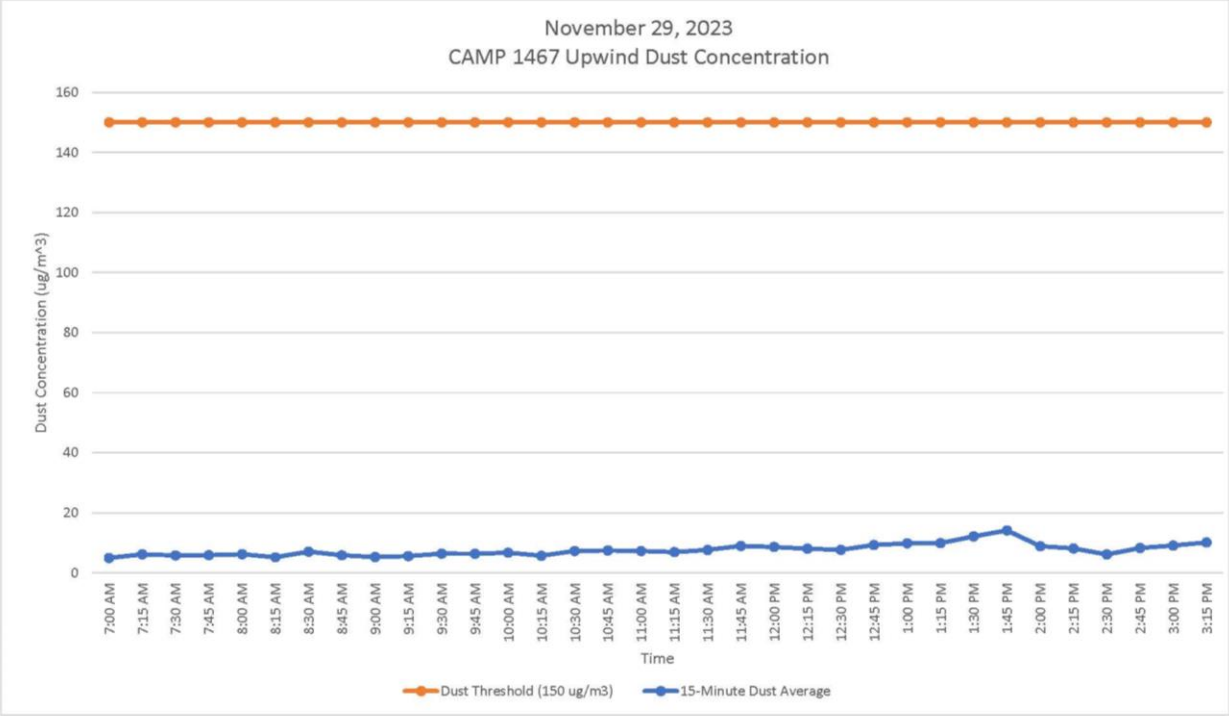
Background Readings:

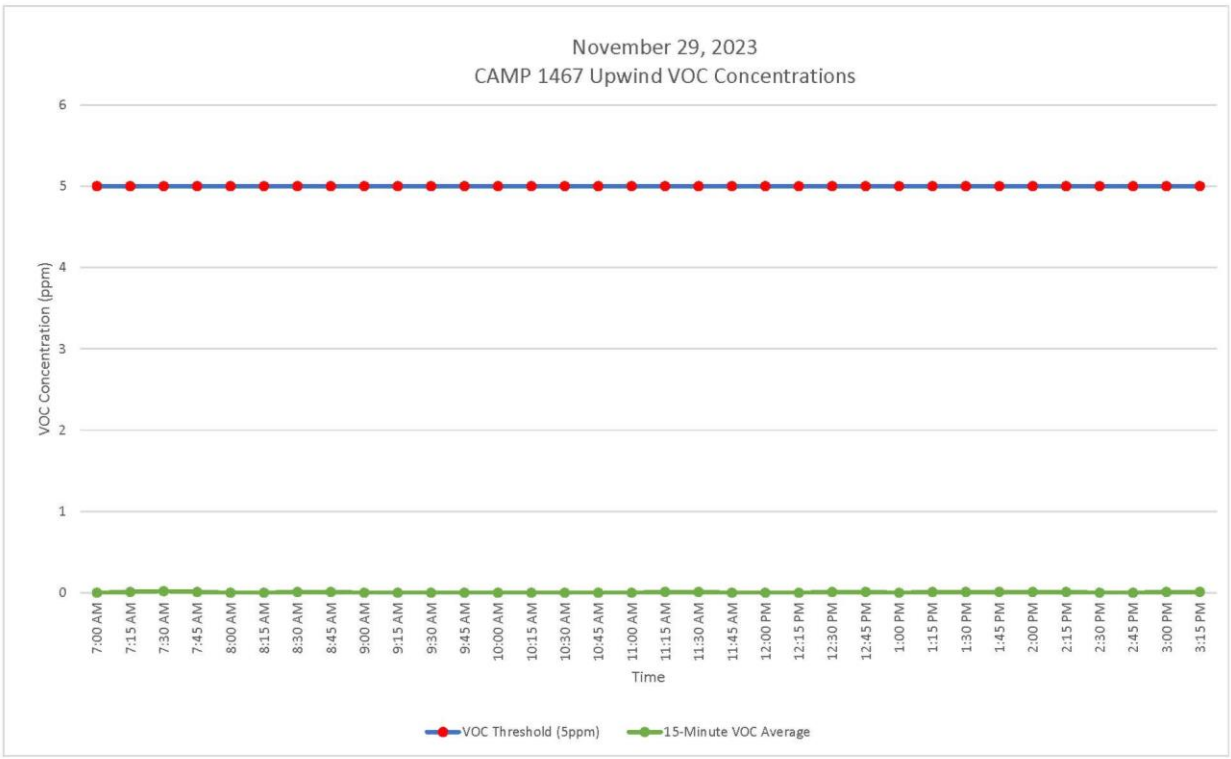
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 4.99
Data Ram 2: 35.77

GZA DAILY FIELD SUMMARY 91

DATE: 11/29/2023
FILE NO: 41.0163097.00

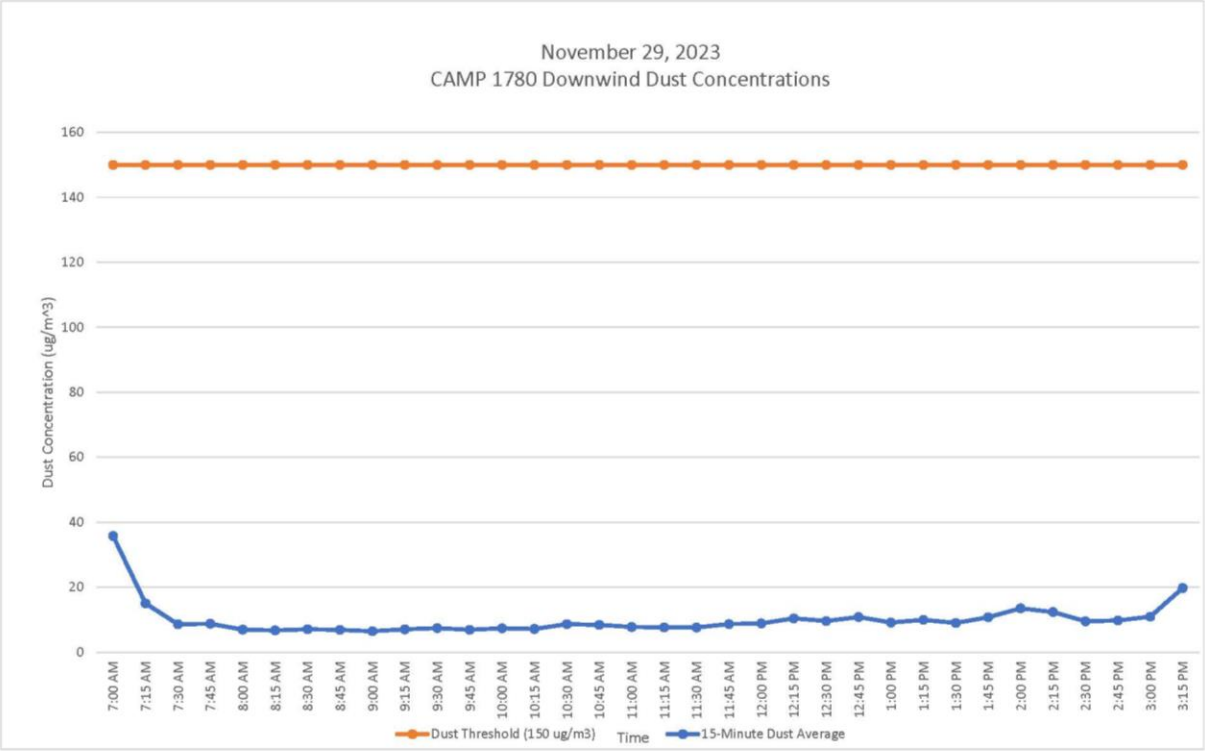


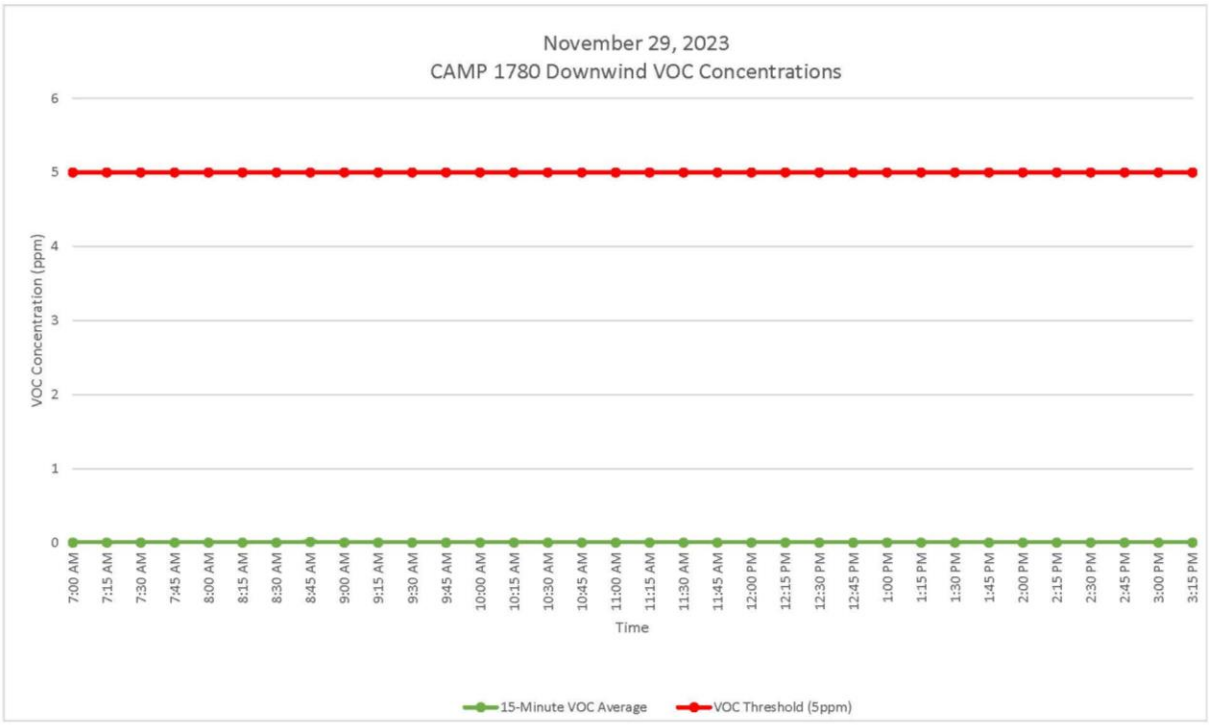


GZA DAILY FIELD SUMMARY 91

DATE: 11/29/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 91

DATE: 11/29/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 91

DATE: 11/29/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	5	113.1	30	761.83
TOTAL	**3**	**78.56**	**22**	**570.17**	**5**	**113.1**	**30**	**761.83**

`

GZA DAILY FIELD SUMMARY 92

DATE: 11/30/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	43.65°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	20.25°F
		MAX WIND SPEED	13 mph from WSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, November 30, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:	**LERA**	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 92

DATE: 11/30/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 11/30/2023

Work Location (Attachment A): Grids B4, B5, C4, and C5.

1. J&A installed rebar in foundation Mat A in grids B4 and B5.
2. J&A installed a new dewatering point in grid B5.
3. Crown Waterproofing re-sealed seams and penetrations around piles in foundation Mat A with BITUTHENE® Liquid Membrane to prevent gaps.
4. J&A performed dewatering in grids B5, C4, and C5. A total of 42,688.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 13.13 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 25.25 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 91

DATE: 11/30/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

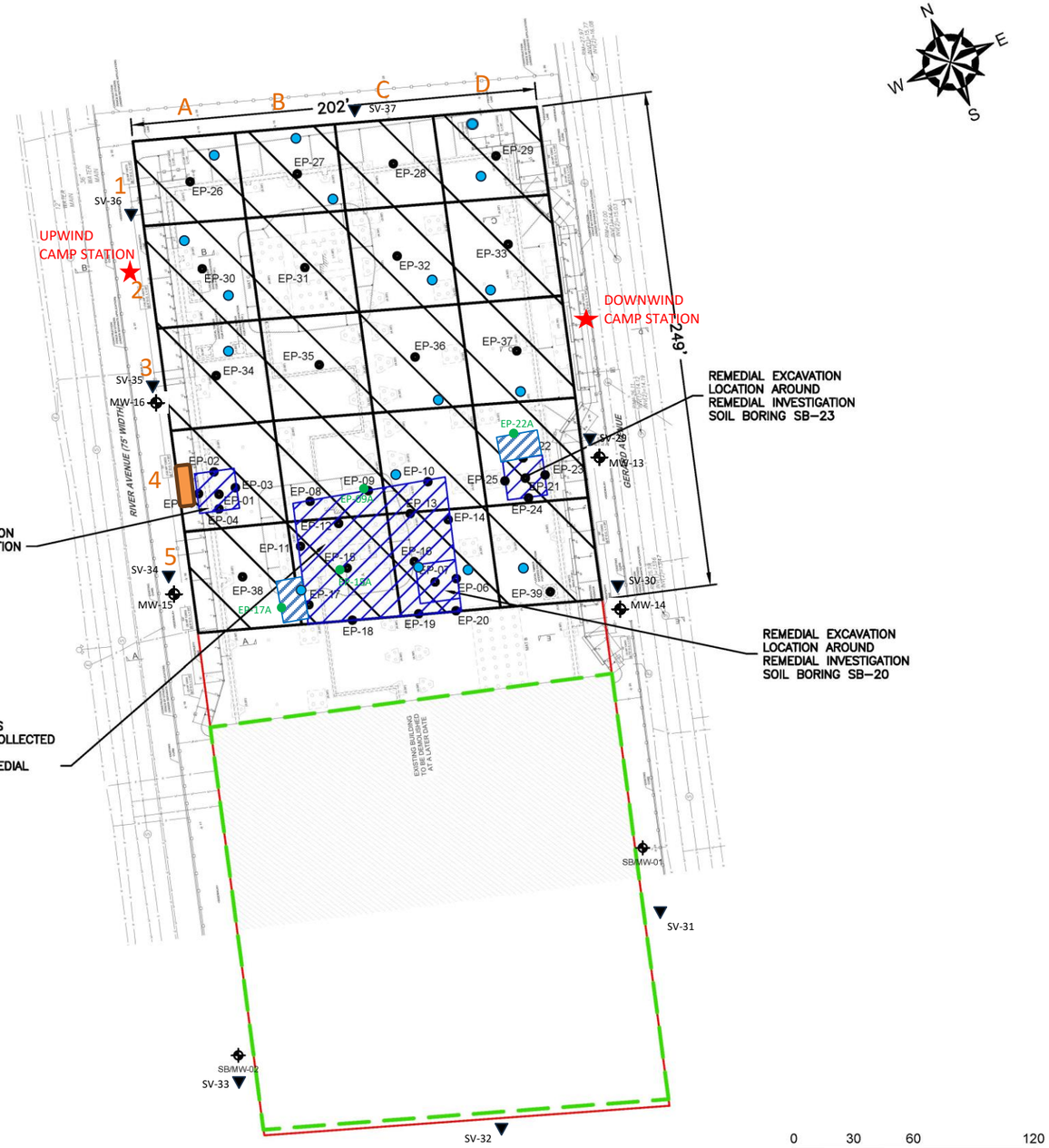
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	42,688.00
Previous	1,525,344.10
Total	**1,568,032.10**

GZA DAILY FIELD SUMMARY 91

DATE: 11/30/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

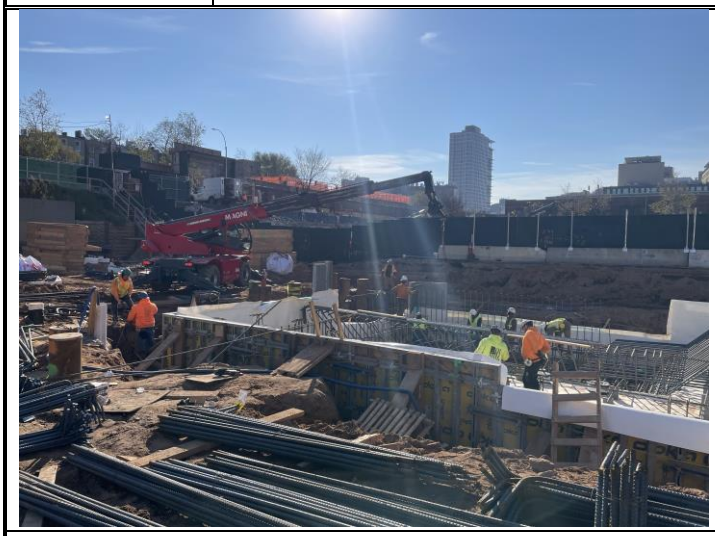
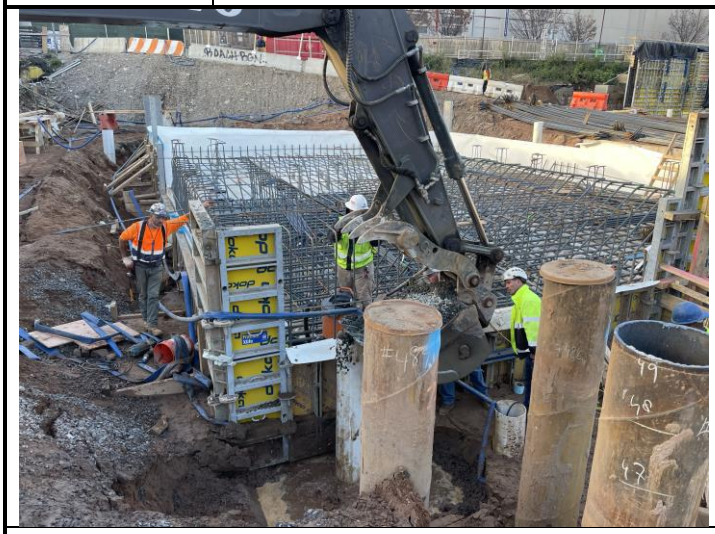
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 91

DATE: 11/30/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Southeast	Photo No. 2	Direction Photo Taken Southwest
			
Description: J&A installing rebar inside Mat A in grids B4 and B5.		**Description:** Top edges of piles re-sealed with BITHUENE in Mat A.	
Photo No. 3	**Direction Photo Taken:** West	**Photo No. 4**	**Direction Photo Taken** East
			
Description: J&A backfilling with gas permeable aggregate around newly installed dewatering point in grid B5.		**Description:** Overview of Mat A at the end of day.	

GZA DAILY FIELD SUMMARY 91

DATE: 11/30/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: November 30, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

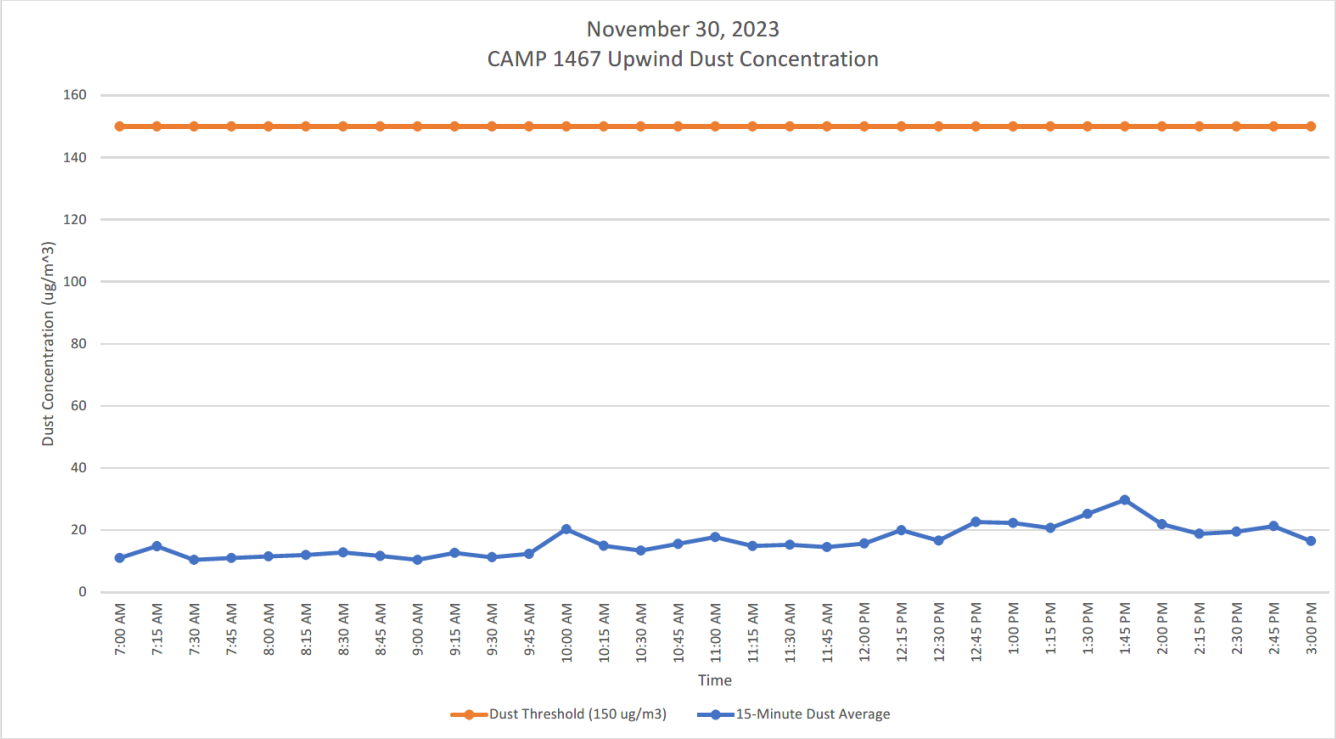
PID 1: 0.0
PID 2: 0.0

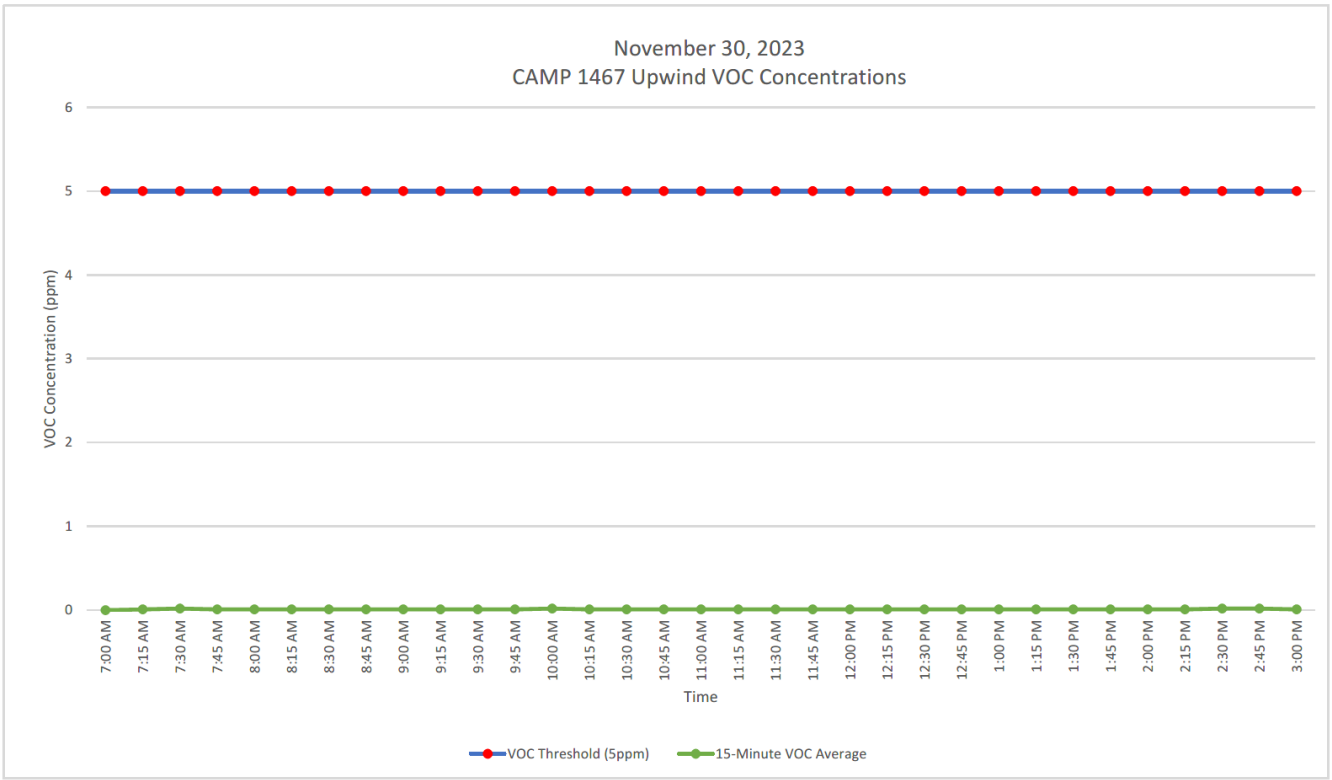
Data Ram 1: 11.82
Data Ram 2: 13.13

GZA DAILY FIELD SUMMARY 91

DATE: 11/30/2023

FILE NO: 41.0163097.00

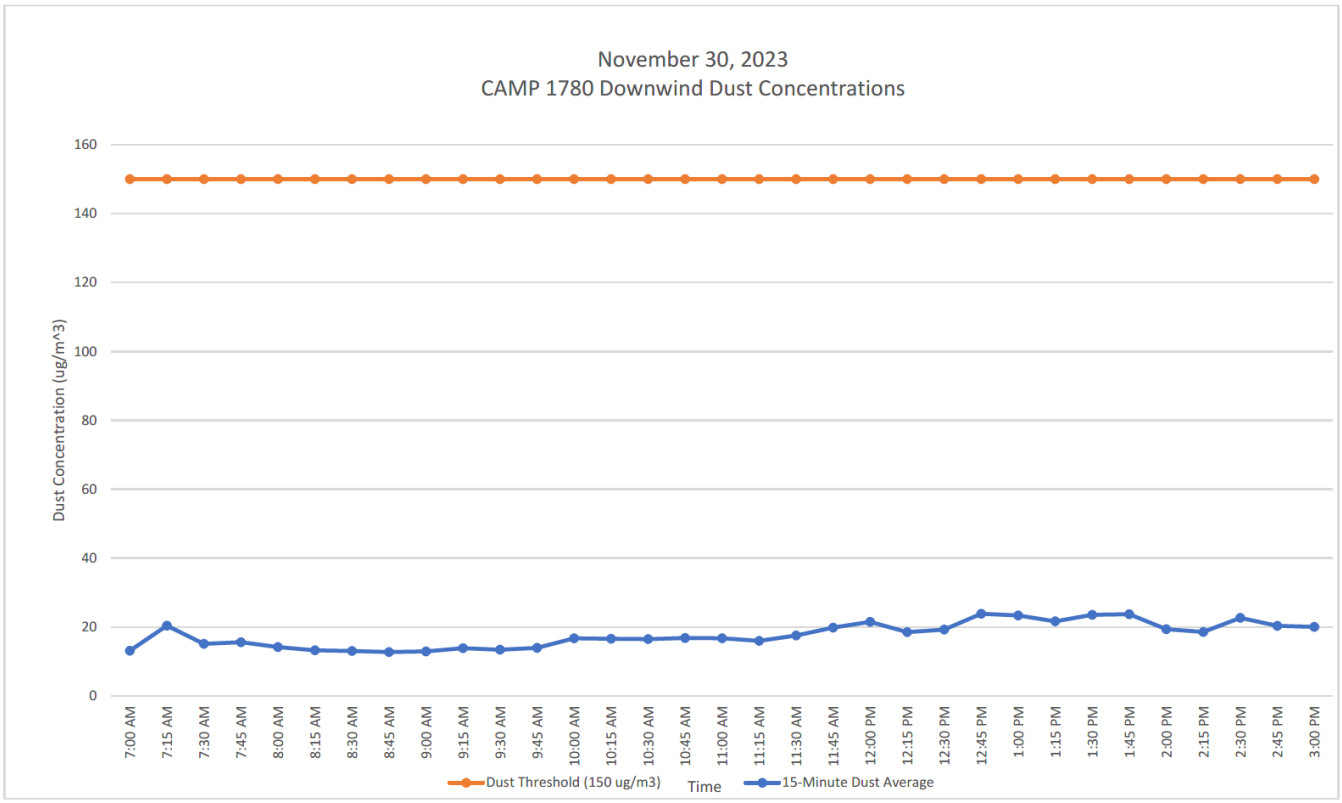


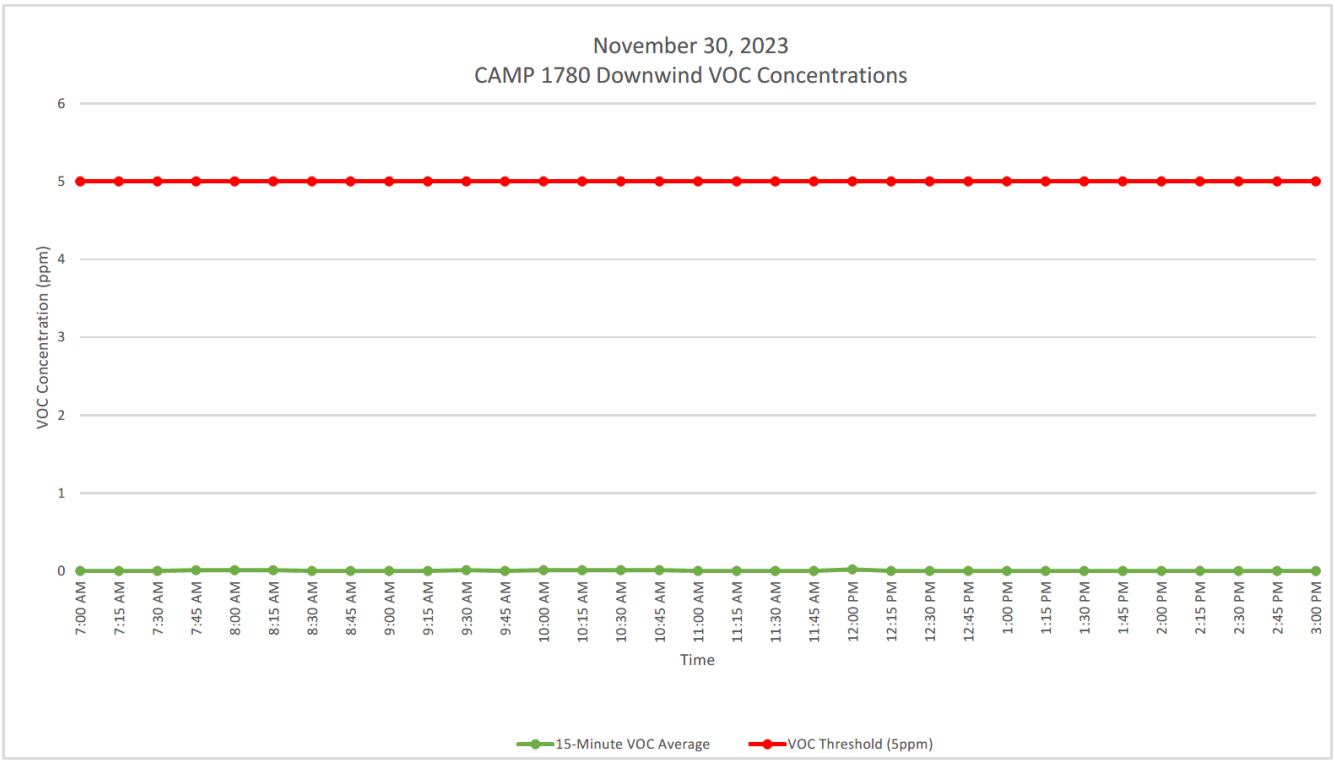


GZA DAILY FIELD SUMMARY 91

DATE: 11/30/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 91

DATE: 11/30/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 91

DATE: 11/30/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	5	113.1	30	761.83
TOTAL	**3**	**78.56**	**22**	**570.17**	**5**	**113.1**	**30**	**761.83**

`

GZA DAILY FIELD SUMMARY 93

DATE: 12/1/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast
PREPARED BY:	Matt DiLorenzo (GZA)	**AVE. TEMPERATURE**	44.42°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	31.33°F
		MAX WIND SPEED	10 mph from SSW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, December 1, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Matt DiLorenzo	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**SRM Concrete**	
	Crown Waterproofing	
SITE VISITORS:	**LERA**	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 93

DATE: 12/1/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 12/1/2023

Work Location (Attachment A): Grids A2, A3, B4, B5, C4, C5, D1, D2, D3, D4 and D5.

1. J&A install rebar in in grids B4 and B5 for foundation Mat A and in grids D4 and D5 for the eastern exterior foundation wall.
2. J&A poured concrete in the deeper southeastern portion of foundational Mat A in grid B5.
3. J&A removed forms from the western exterior foundation wall in grids A2 and A3.
4. Crown installed BITUTHENE System 4000 waterproofing/vapor barrier in the northeast section of the exterior foundation wall in grids D1, D2 and D3. Seams and penetrations were sealed with BITUTHENE® Liquid Membrane to prevent gaps.
5. J&A performed dewatering in grids B5, C4, and C5. A total of 45,924.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 13.13 ug/m^3
High Conditions – PID: 0.04 ppm, Particulates: 21.84 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 93

DATE: 12/1/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

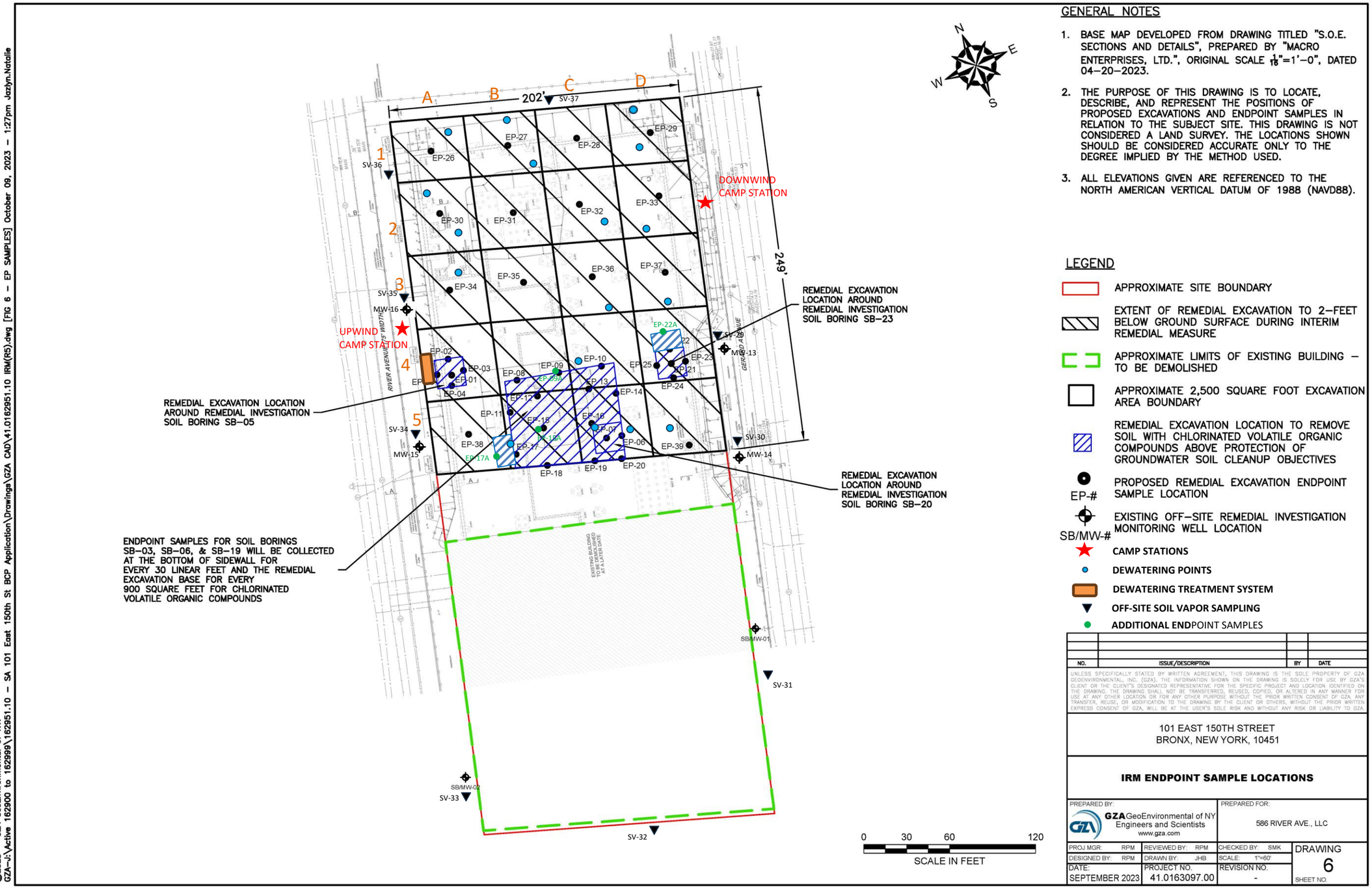
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	45,924.00
Previous	1,568,032.10
Total	**1,613,956.10**

GZA DAILY FIELD SUMMARY 93

DATE: 12/1/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 93

DATE: 12/1/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** Northeast
Description: J&A installing rebar inside Mat A in grid B5.		**Description:** J&A installing rebar for eastern exterior foundational wall in grid D4.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No.** 4	**Direction Photo Taken** Southeast
Description: BITUTHENE System 4000 waterproofing /vapor barrier installed by Crown in northeast section of exterior foundation wall.		**Description:** J&A pouring concrete into deeper portion of Mat A in grid B5. BITUTHENE System 4000 waterproofing/vapor barrier	

GZA DAILY FIELD SUMMARY 93

DATE: 12/1/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 1, 2023	Sampling Technician: Matt DiLorenzo
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

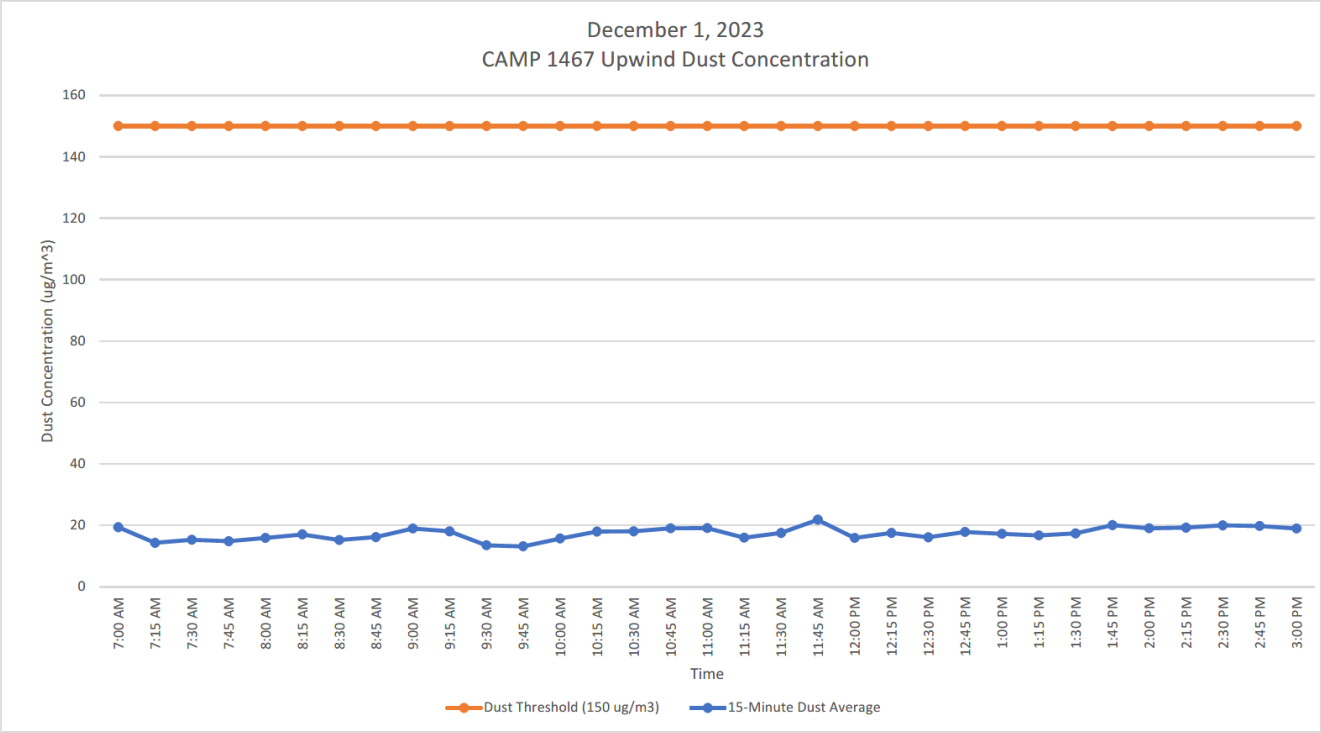
PID 1: 0.0
PID 2: 0.3

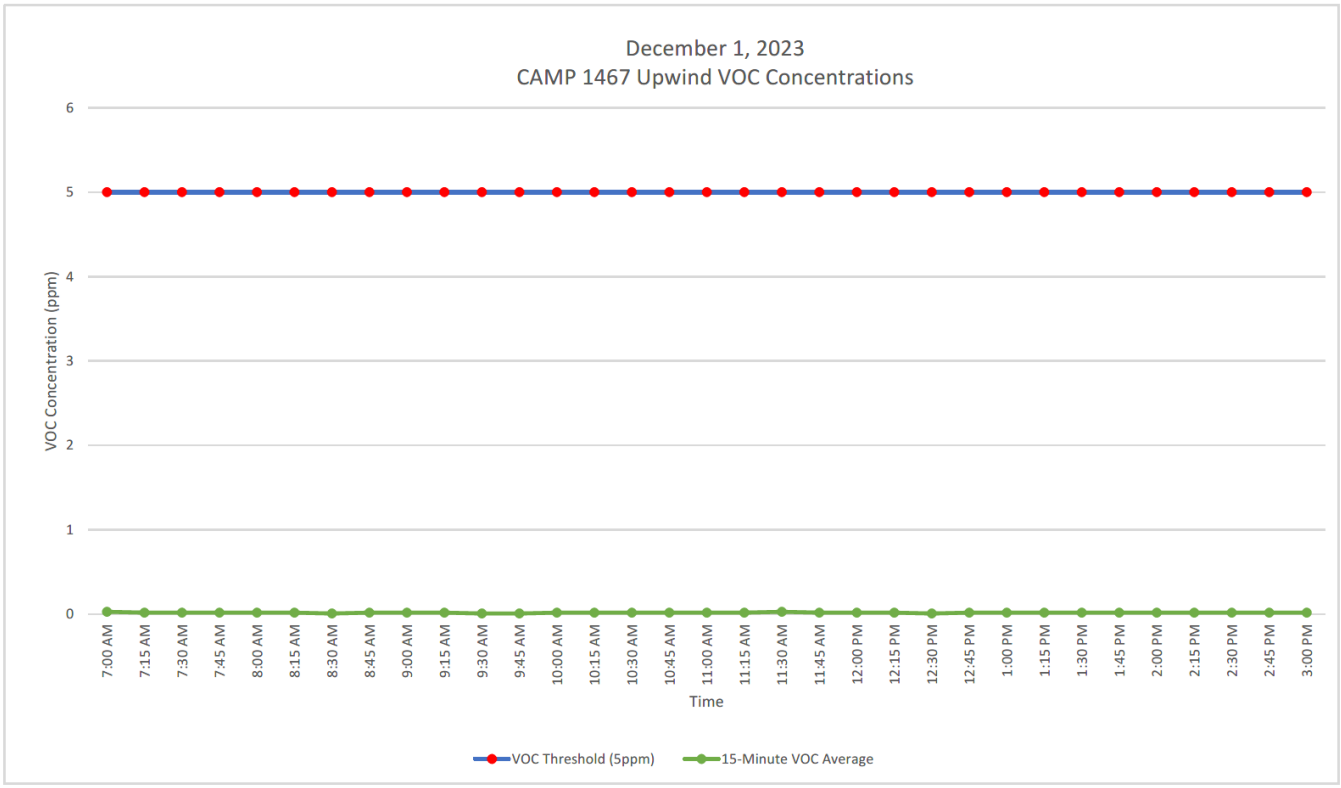
Data Ram 1: 35.47
Data Ram 2: 19.39

GZA DAILY FIELD SUMMARY 93

DATE: 12/1/2023

FILE NO: 41.0163097.00

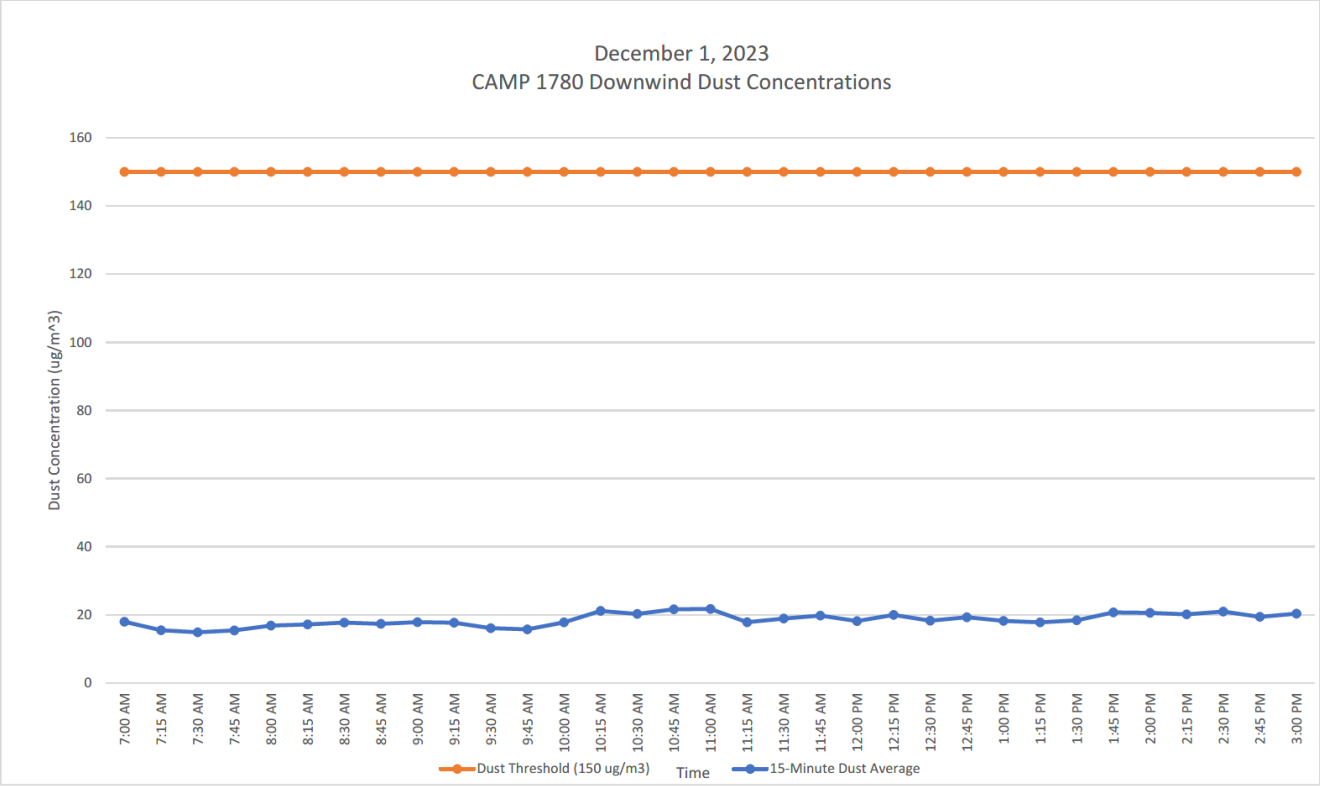


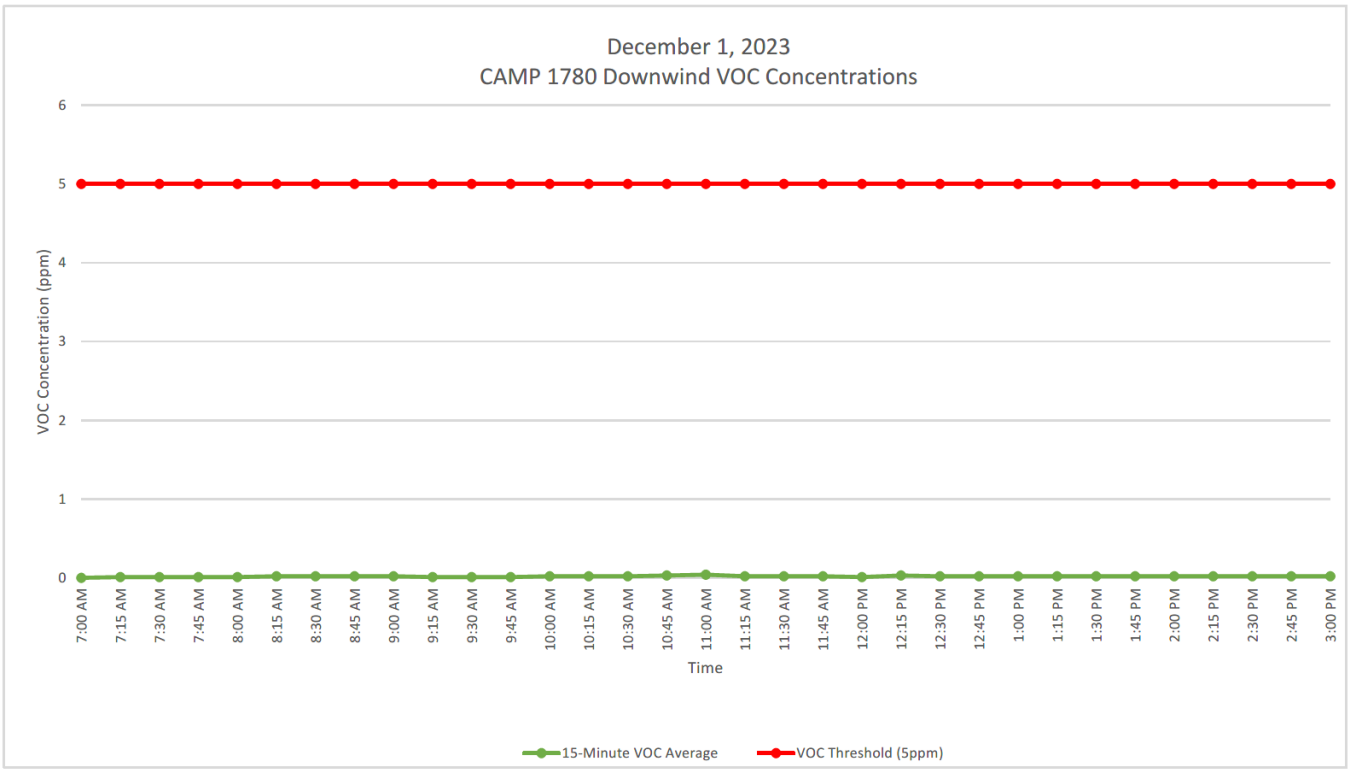


GZA DAILY FIELD SUMMARY 93

DATE: 12/1/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 93

DATE: 12/1/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 93

DATE: 12/1/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	5	113.1	30	761.83
TOTAL	**3**	**78.56**	**22**	**570.17**	**5**	**113.1**	**30**	**761.83**

`

GZA DAILY FIELD SUMMARY 94

DATE: 12/4/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Overcast/Light Rain
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	48.71°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	34.83°F
		MAX WIND SPEED	18 mph from W
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.48 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, December 4, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Kyle Yberg	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:	**LERA**	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 94

DATE: 12/4/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 12/4/2023

Work Location (Attachment A): Grids A3, B1, B4, B5, C1, C4, D1, D4, and D5.

1. J&A installed rebar and formwork in grids B4 and B5 for foundation Mat A, in grids D4 and D5 for the eastern exterior foundation wall, and in grid A3 for the western exterior foundation wall.
2. Crown installed BITUTHENE System 4000 waterproofing/vapor barrier in the north section of the exterior foundation wall in grids B1, C1, and D1. Seams and penetrations were sealed with BITUTHENE® Liquid Membrane to prevent gaps.
3. Cardella Waste transported one roll-off container onsite.
4. J&A performed dewatering in grids B5 and C4. A total of 25,544.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 23.38 ug/m^3
High Conditions – PID: 3.97 ppm, Particulates: 13.86 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 94

DATE: 12/4/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

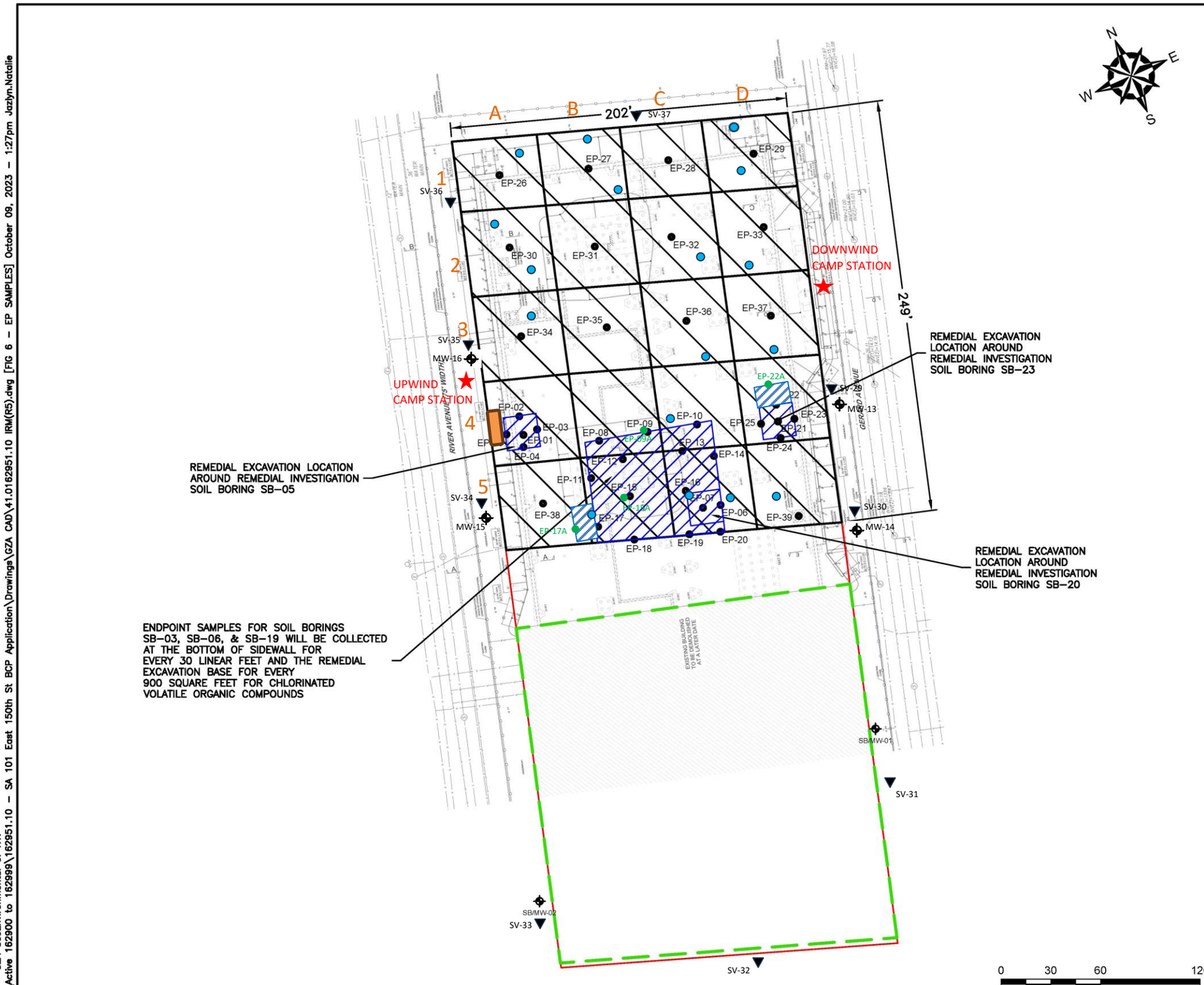
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	25,544.00
Previous	1,613,956.10
Total	**1,639,500.10**

GZA DAILY FIELD SUMMARY 94

DATE: 12/4/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



N
E
W
S

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 94

DATE: 12/4/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: East	Photo No. 2	Direction Photo Taken Southeast
Description: J&A installing rebar and formwork inside Mat A in grid B5.		**Description:** J&A installing formwork for eastern exterior foundational wall in grid D4.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No. 4**	**Direction Photo Taken** East
Description: BITUTHENE System 4000 waterproofing /vapor barrier installed by Crown in the north section of the exterior foundation wall.		**Description:** Overview of Mat A and eastern exterior foundation wall at the end of day.	

GZA DAILY FIELD SUMMARY 94

DATE: 12/4/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 4, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

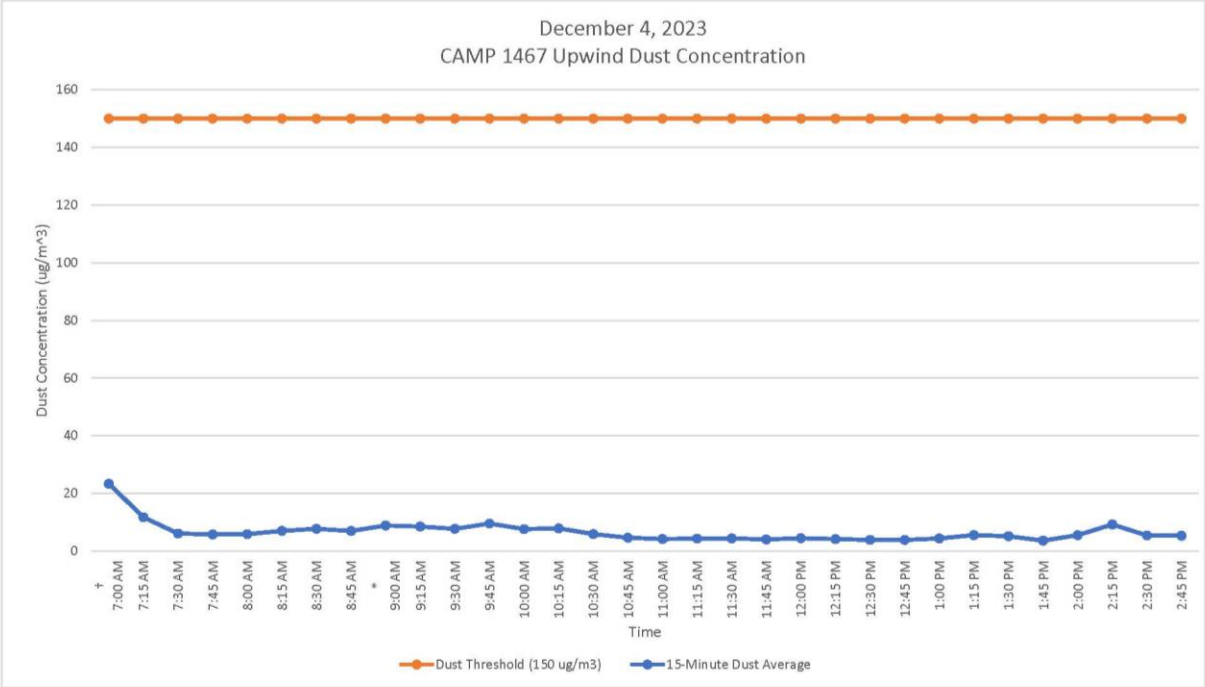
PID 1: 0.0
PID 2: 0.0

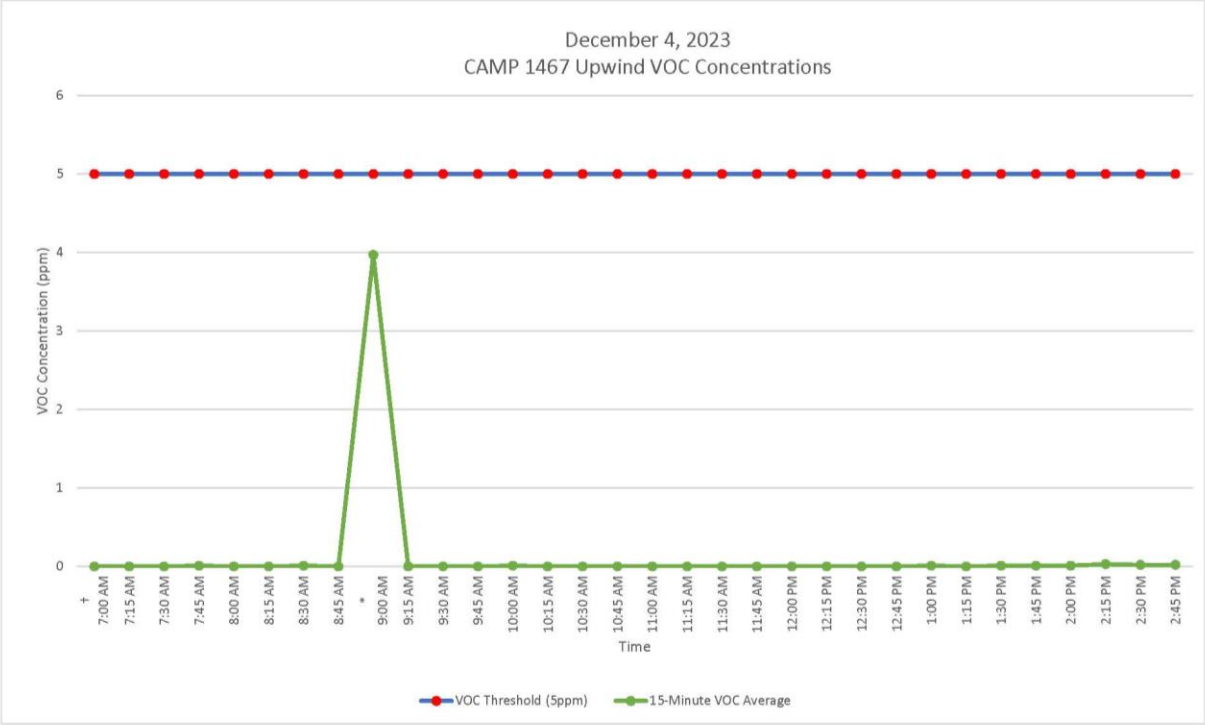
Data Ram 1: 23.38
Data Ram 2: 8.15

GZA DAILY FIELD SUMMARY 94

DATE: 12/4/2023

FILE NO: 41.0163097.00

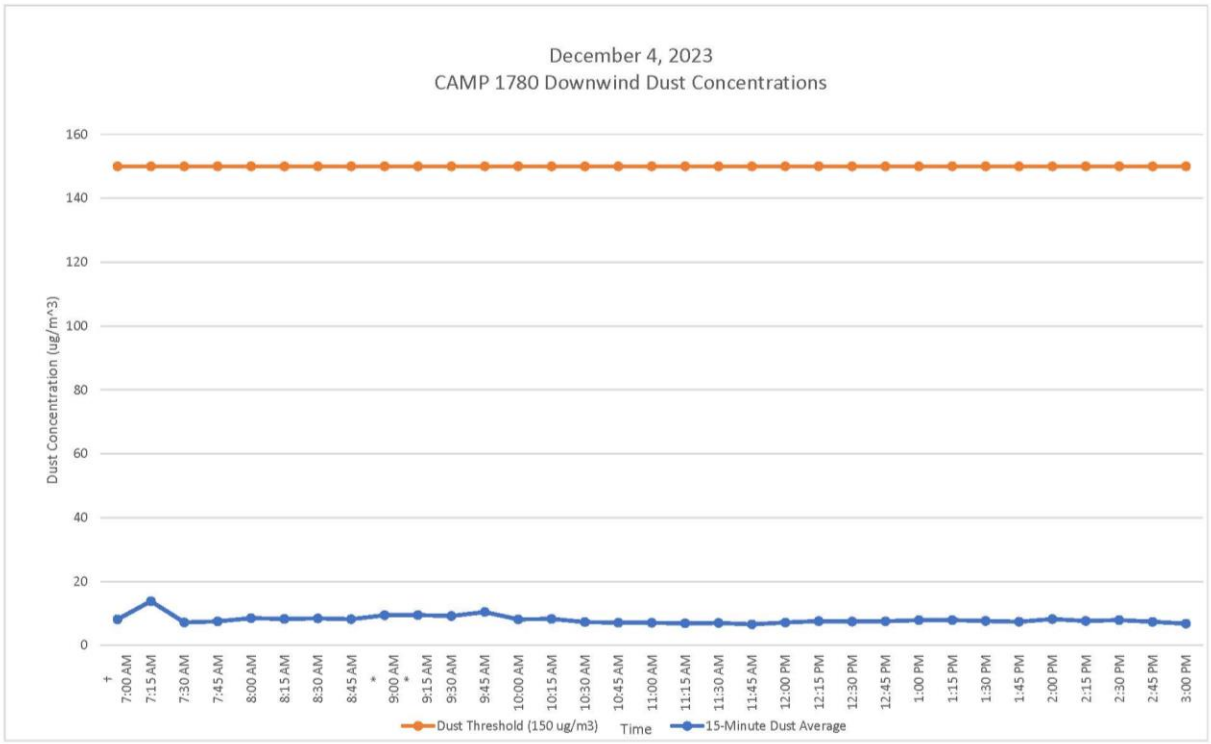


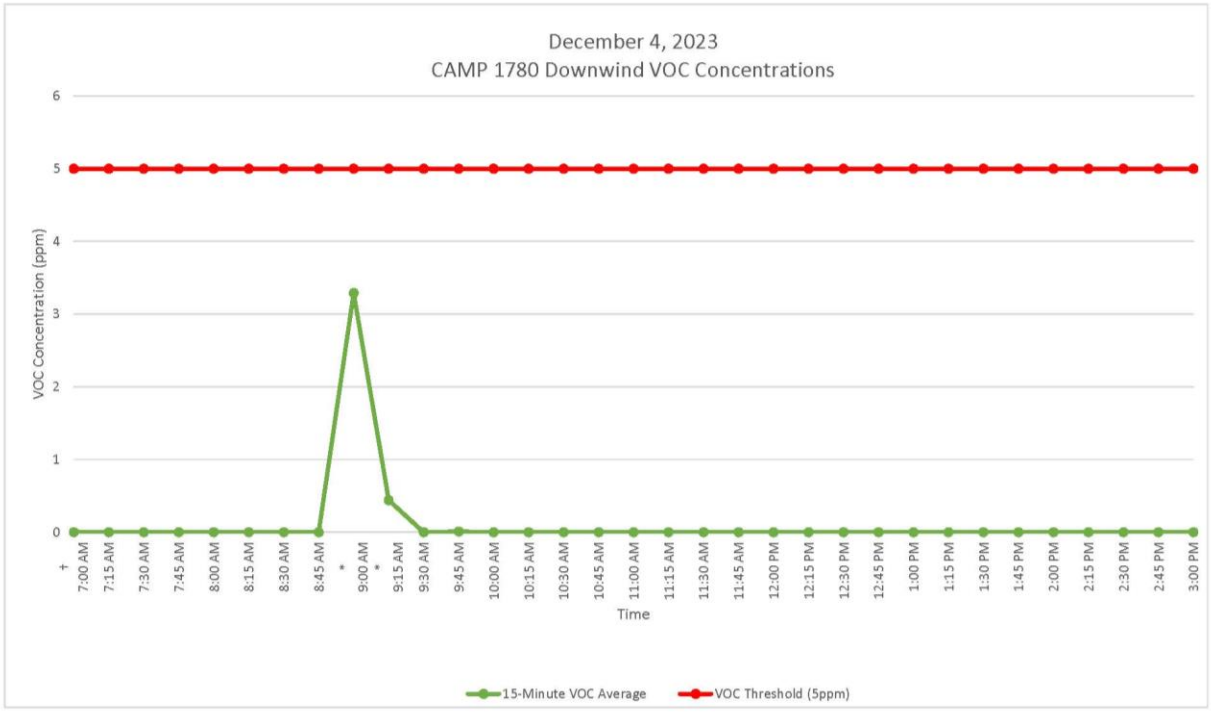


GZA DAILY FIELD SUMMARY 94

DATE: 12/4/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 94

DATE: 12/4/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 94

DATE: 12/4/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	5	113.1	30	761.83
TOTAL	**3**	**78.56**	**22**	**570.17**	**5**	**113.1**	**30**	**761.83**

`

GZA DAILY FIELD SUMMARY 95

DATE: 12/5/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	41.9°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	25.52°F
		MAX WIND SPEED	15 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, December 5, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Kyle Yberg	
SUBCONTRACTORS:		
SITE VISITORS:	**LERA**	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 95

DATE: 12/5/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 12/5/2023

Work Location (Attachment A): Grids A2, A3, B4, B5, C4, and D5.

1. J&A installed rebar in grids B4 and B5 for foundation Mat A and in grid D5 for the eastern exterior foundation wall.
2. J&A removed forms from the western exterior foundation wall in grids A2 and A3.
3. J&A performed dewatering in grids B5 and C4. A total of 21,498.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.08 ppm, Particulates: 7.56 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 7.90 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 95

DATE: 12/5/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

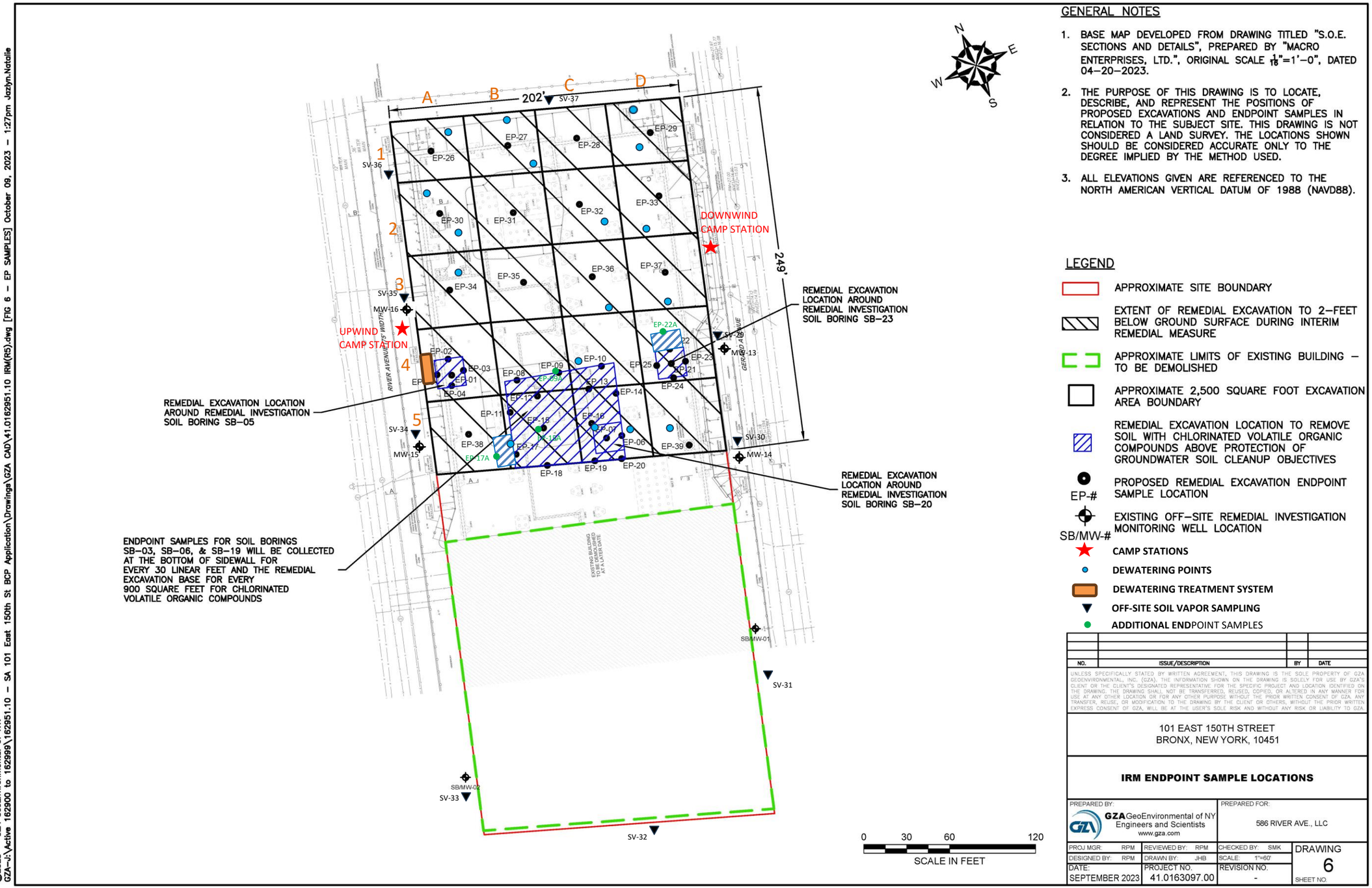
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	21,498.00
Previous	1,639,500.10
Total	**1,660,998.10**

GZA DAILY FIELD SUMMARY 95

DATE: 12/5/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

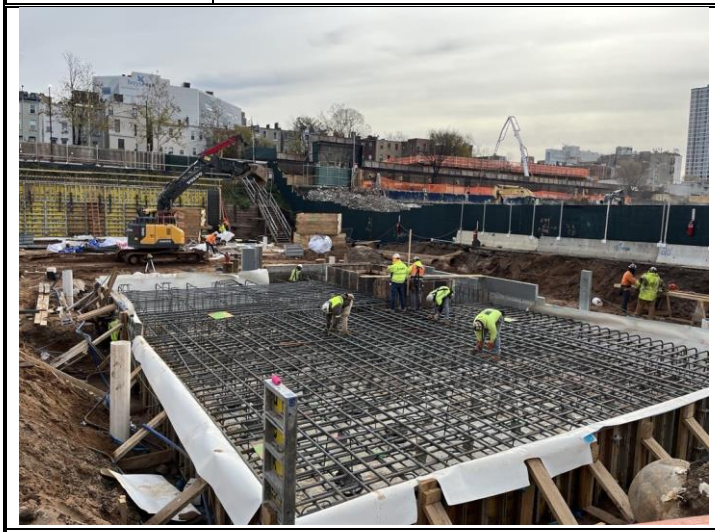
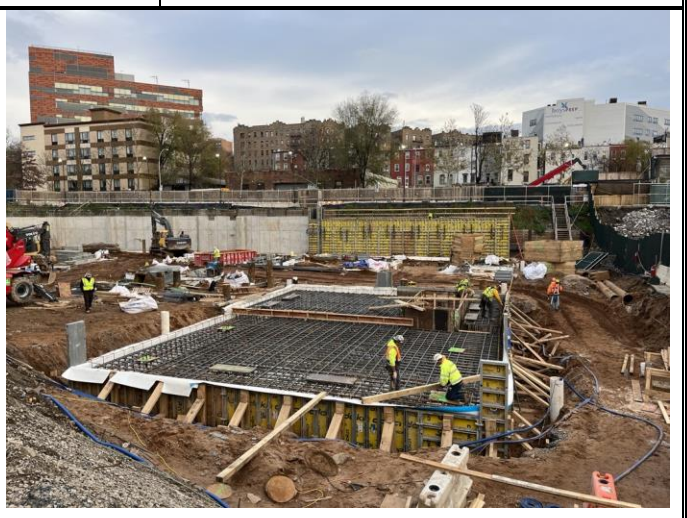
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 95

DATE: 12/5/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** Northwest
			
Description: J&A installing rebar inside Mat A in grids B4 and B5.		**Description:** Forms removed from the western exterior foundation wall.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** East
			
Description: J&A dewatering in grid C4.		**Description:** Overview of Mat A and eastern exterior foundation wall at the end of day.	

GZA DAILY FIELD SUMMARY 95

DATE: 12/5/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 5, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

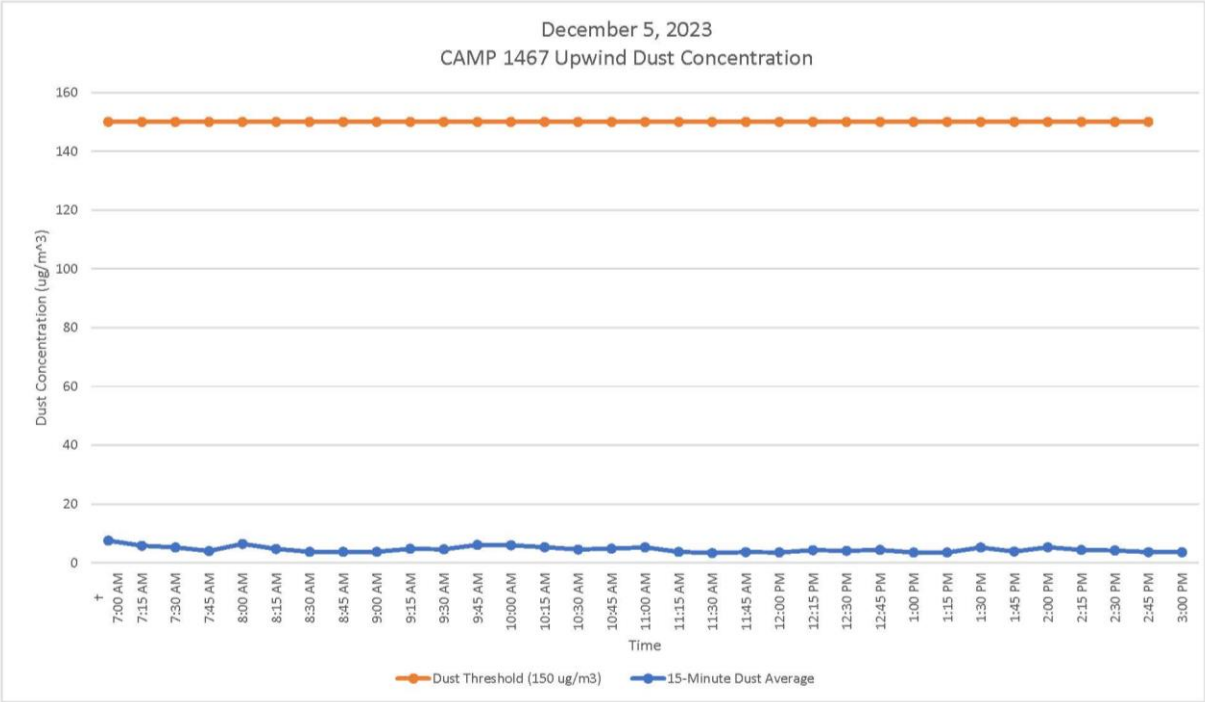
PID 1: 0.08
PID 2: 0.00

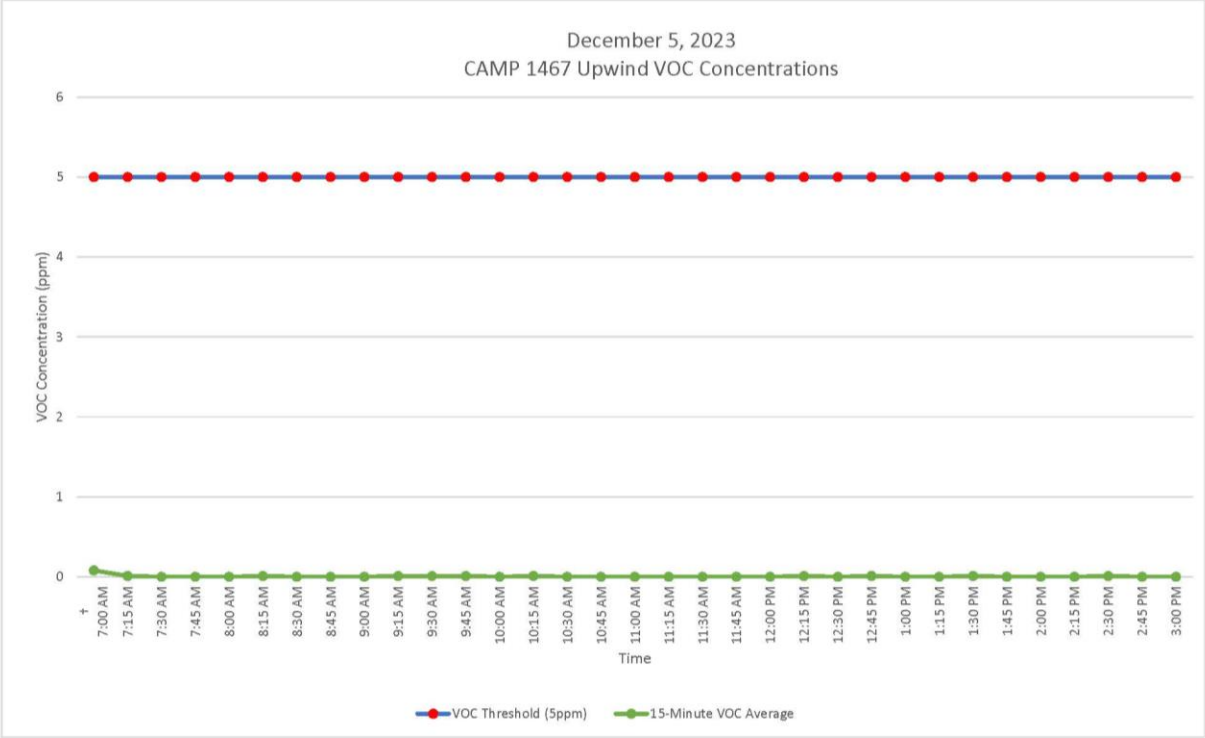
Data Ram 1: 7.56
Data Ram 2: 4.80

GZA DAILY FIELD SUMMARY 95

DATE: 12/5/2023

FILE NO: 41.0163097.00

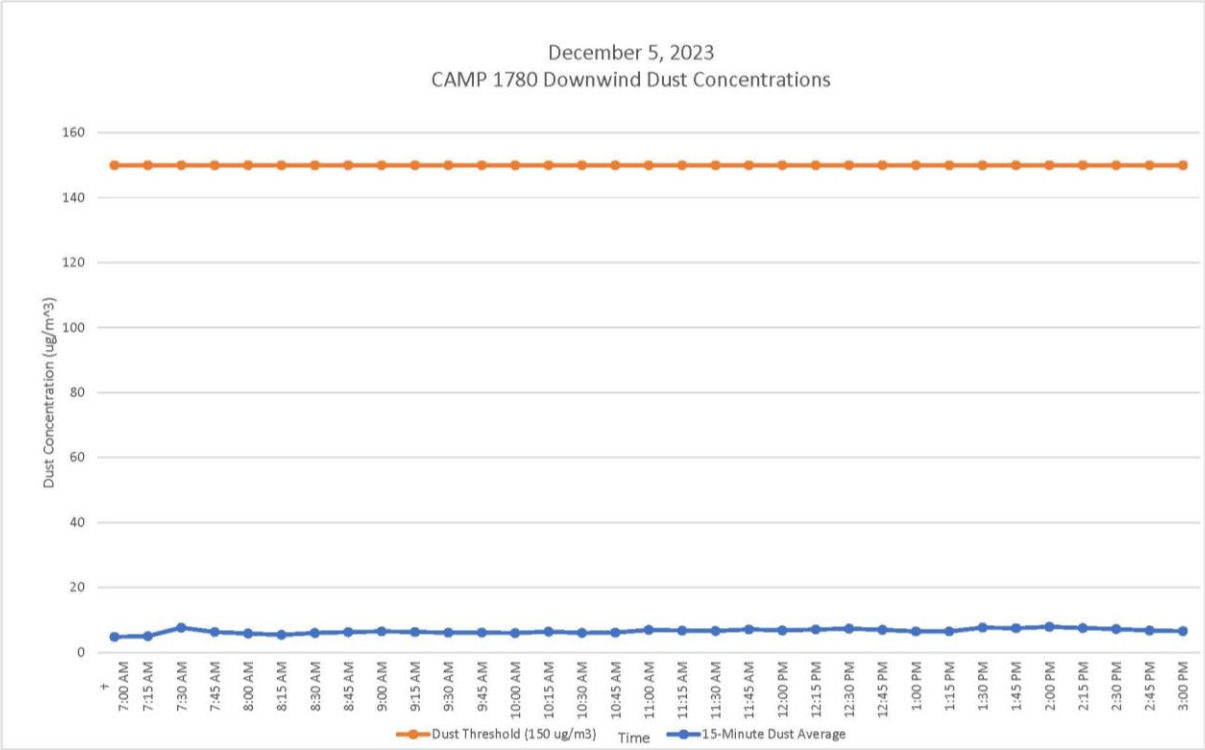


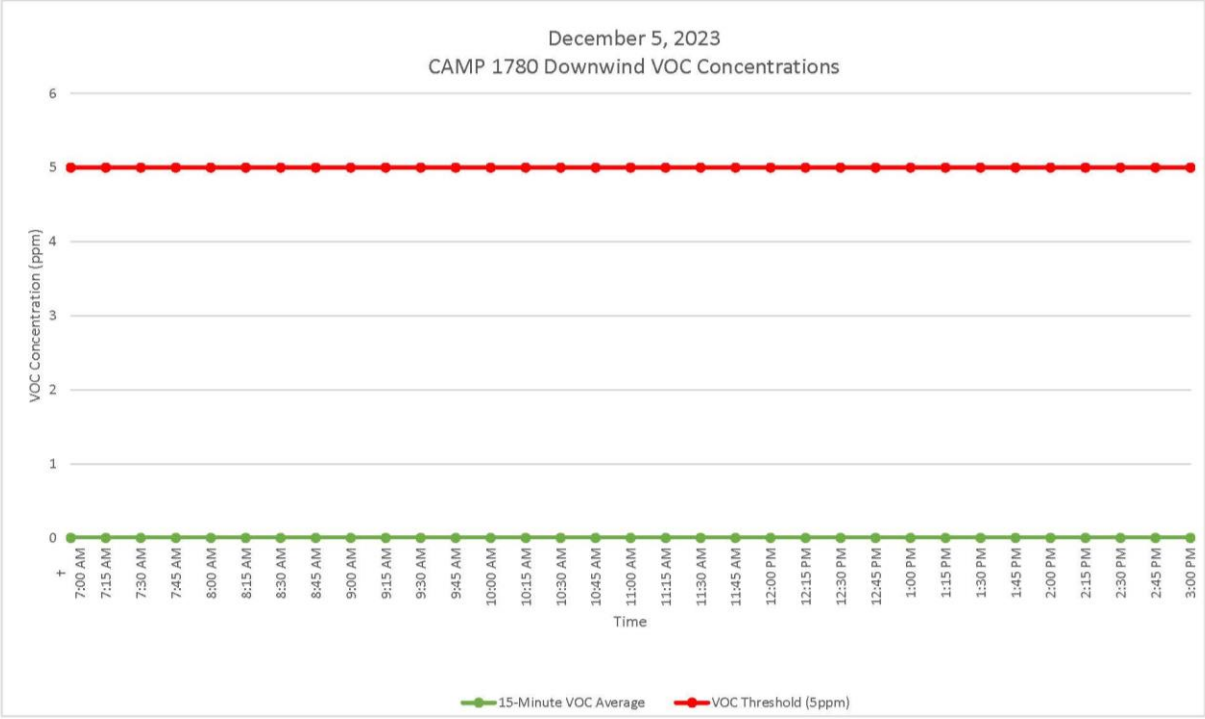


GZA DAILY FIELD SUMMARY 95

DATE: 12/5/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 95

DATE: 12/5/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 95

DATE: 12/5/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	5	113.1	30	761.83
TOTAL	**3**	**78.56**	**22**	**570.17**	**5**	**113.1**	**30**	**761.83**

`

GZA DAILY FIELD SUMMARY 96

DATE: 12/6/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	38.56°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	24.31°F
		MAX WIND SPEED	16 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, December 6, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**LERA**	
	Mamadou Balde	
	Success Academy	
	Richard Gladstone	
	DBI Projects	
	Ricky Gautier	
	SOM	
	Kirsten Youngren	

GZA DAILY FIELD SUMMARY 96

DATE: 12/6/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 12/6/2023

Work Location (Attachment A): Grids A2, B4, B5, D3, D4, and D5.

1. J&A installed rebar in grids B4 and B5 for foundation Mat A and in grids D4 and D5 for the eastern exterior foundation wall.
2. Nine truckloads (216.51 tons) of pipe sand from North American Aggregates were delivered onsite by Munoz Trucking Inc. and stockpiled in grid D3.
3. J&A removed forms from the western exterior foundation wall in grid A2.
4. J&A performed dewatering in grids B5 and C4. A total of 22,014.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 27.09 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 12.52 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Nine truckloads (216.51 tons) of pipe sand from North American Aggregates were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 96

DATE: 12/6/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

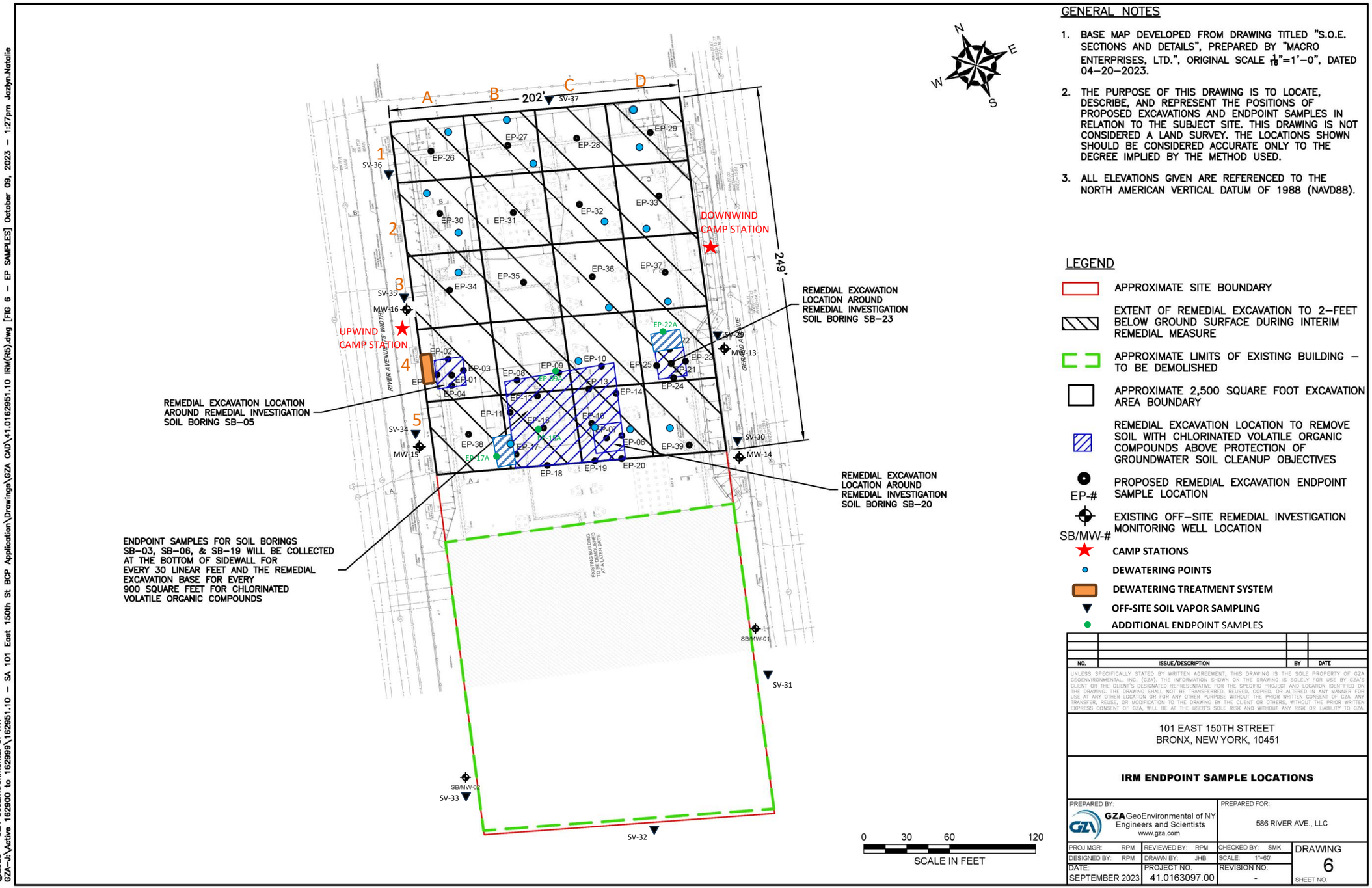
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	22,014.00
Previous	1,660,998.10
Total	**1,683,012.10**

GZA DAILY FIELD SUMMARY 96

DATE: 12/6/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 96

DATE: 12/6/2023
FILE NO: 41.0163097.00

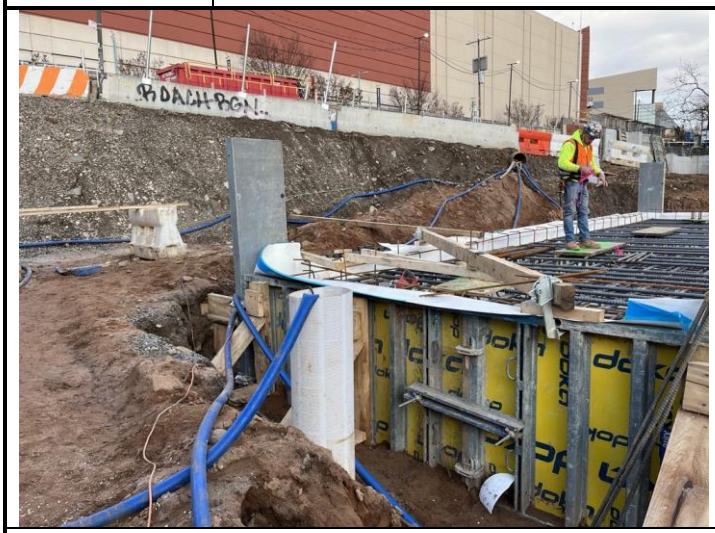
ATTACHMENT B – PHOTO LOG

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
1	Northwest	2	Northeast

Description: Munoz Trucking delivering truckload of pipe sand to grid B3.

Description: J&A removing forms from the western exterior foundation wall in grid A2.

Photo No.	Direction Photo Taken:	Photo No.	Direction Photo Taken
3	Northwest	4	East



Description: J&A dewatering in grid C4.

Description: Overview of Mat A and the eastern exterior foundation wall at the end of day.

GZA DAILY FIELD SUMMARY 96

DATE: 12/6/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 6, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held X YES NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

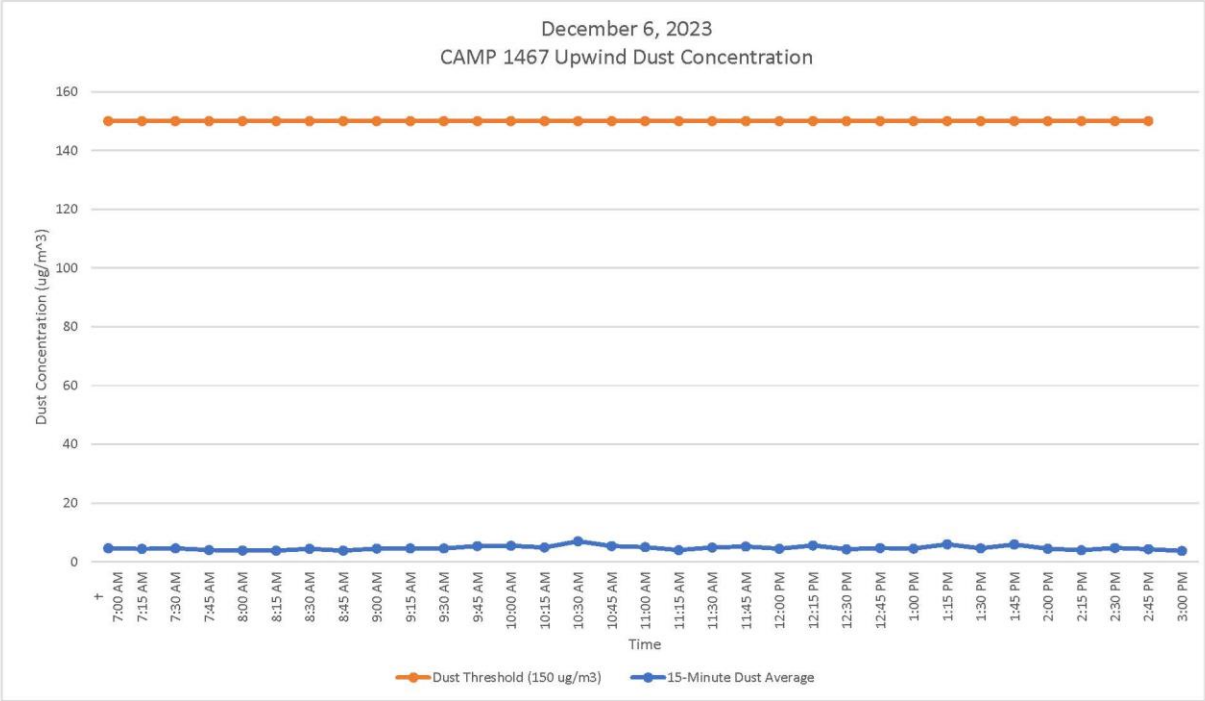
PID 1: 0.0
PID 2: 0.0

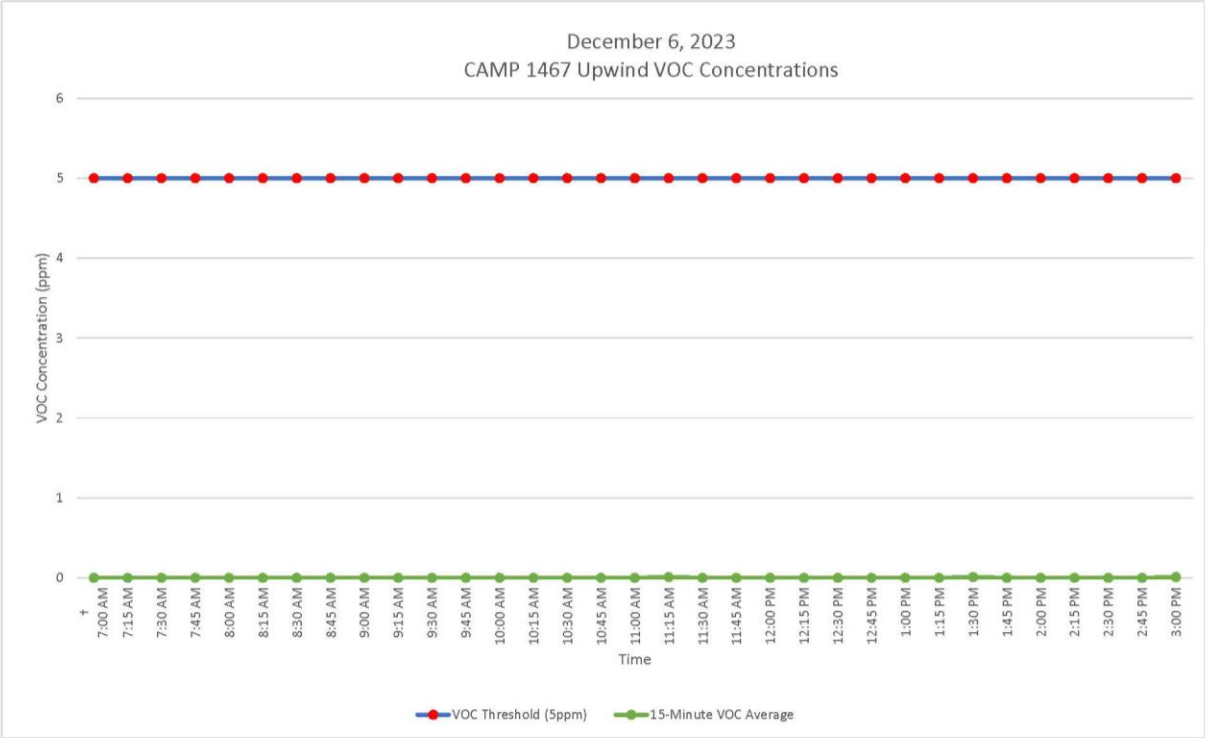
Data Ram 1: 4.65
Data Ram 2: 27.09

GZA DAILY FIELD SUMMARY 96

DATE: 12/6/2023

FILE NO: 41.0163097.00

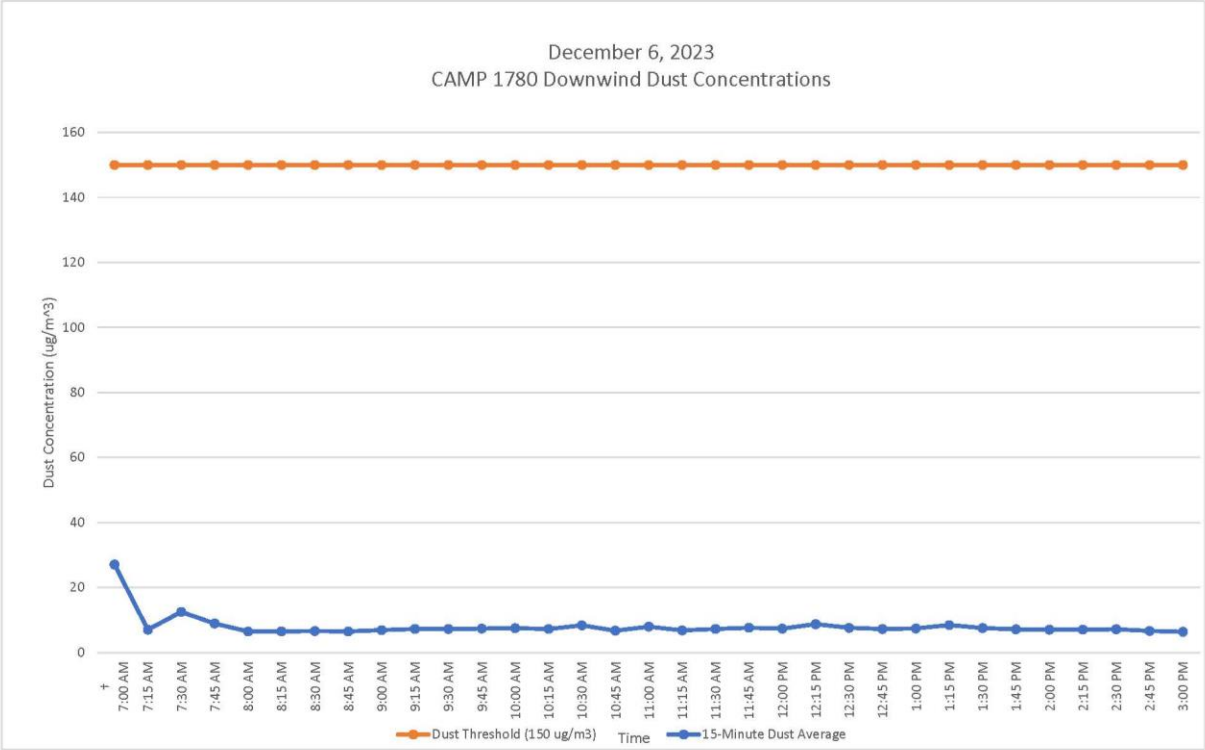


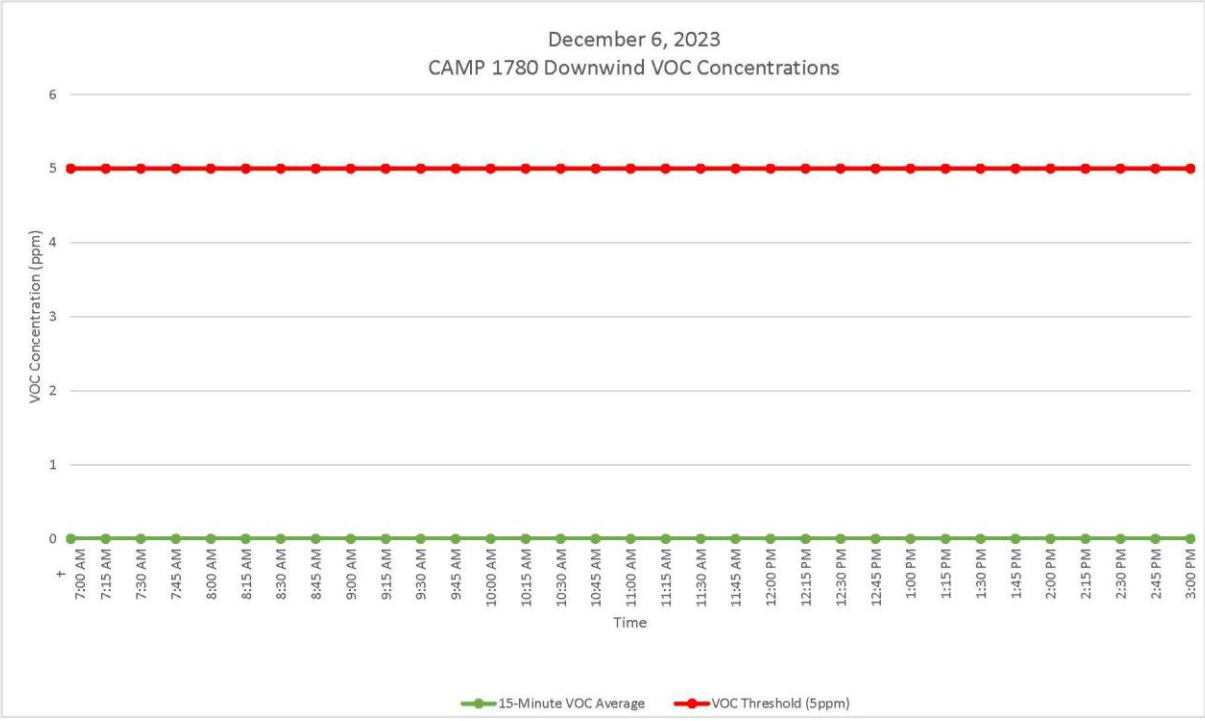


GZA DAILY FIELD SUMMARY 96

DATE: 12/6/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 96

DATE: 12/6/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 96

DATE: 12/6/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	9	216.51	9	216.51
Previous	3	78.56	22	570.17	5	113.1	30	761.83
TOTAL	**3**	**78.56**	**22**	**570.17**	**14**	**329.61**	**39**	**978.34**

GZA DAILY FIELD SUMMARY 97

DATE: 12/7/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Cloudy / Light Snow
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	36.7°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	23.41°F
		MAX WIND SPEED	16 mph from W
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, December 7, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**SRM Concrete**	
	Crown Waterproofing	
SITE VISITORS:	**LERA**	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 97

DATE: 12/7/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 12/7/2023

Work Location (Attachment A): Grids A2, A3, B1, B4, B5, C1, C4, D1, D2, D3, D4, and D5.

1. J&A poured concrete in foundation Mat A in grids B4 and B5 and in a section of the eastern exterior foundation wall in grids D4 and D5.
2. J&A removed forms from the western exterior foundation wall in grids A2 and A3.
3. Crown installed HYDRODUCT 220 Drainage Composite over BITUTHENE System 4000 waterproofing/vapor barrier in the northern and eastern sections of the exterior foundation wall in grids B1, C1, D1, D2, and D3.
4. J&A performed dewatering in grids B5 and C4. A total of 20,527.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 6.01 ug/m^3
High Conditions – PID: 0.12 ppm, Particulates: 13.97 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 97

DATE: 12/7/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

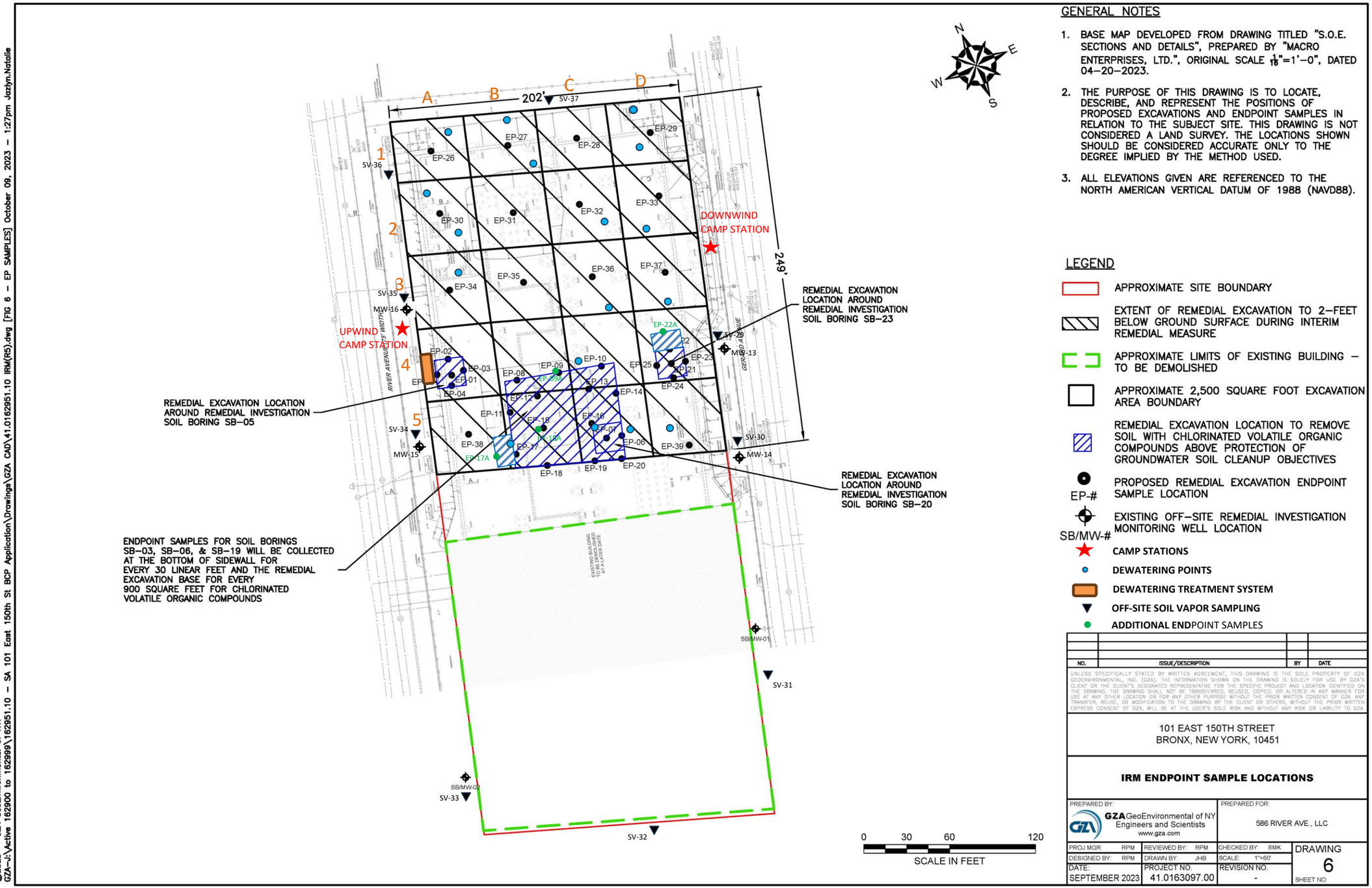
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	20,527.00
Previous	1,683,012.10
Total	**1,703,539.10**

GZA DAILY FIELD SUMMARY 97

DATE: 12/7/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:			PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	SHEET NO.
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 97

DATE: 12/7/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northwest
Description: J&A pouring concrete in foundation Mat A.		**Description:** HYDRODUCT 220 installed over BITUTHENE System 4000 waterproofing/vapor barrier in the eastern section of the exterior foundation wall.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** East
Description: J&A pouring concrete in a section of the western foundation wall in grids D4 and D5.		**Description:** Concrete pour completed in foundation Mat A.	

GZA DAILY FIELD SUMMARY 97

DATE: 12/7/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 7, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

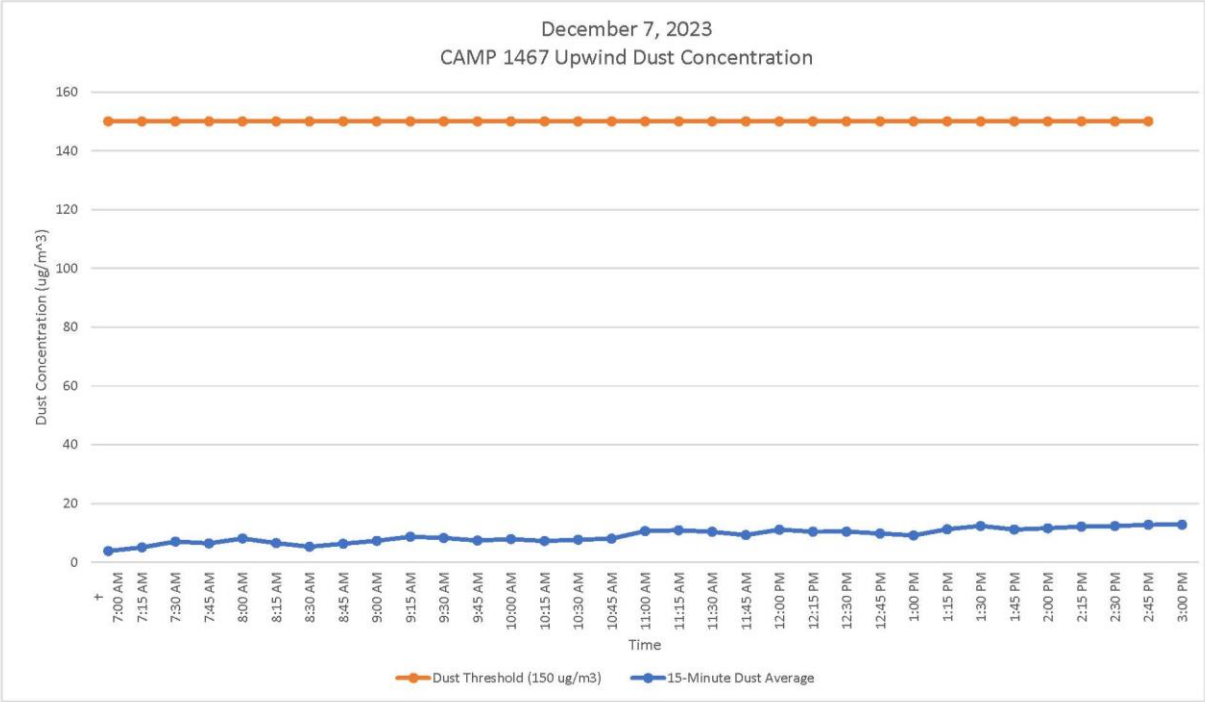
PID 1: 0.0
PID 2: 0.0

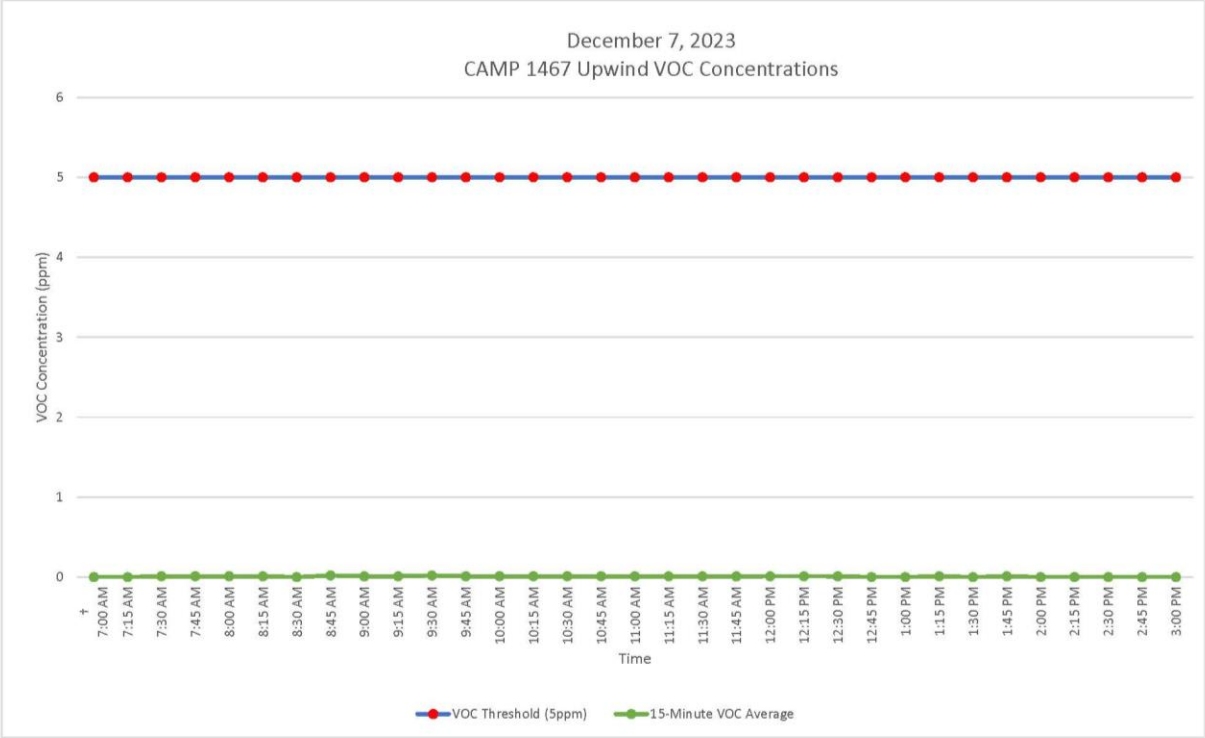
Data Ram 1: 3.84
Data Ram 2: 6.01

GZA DAILY FIELD SUMMARY 97

DATE: 12/7/2023

FILE NO: 41.0163097.00

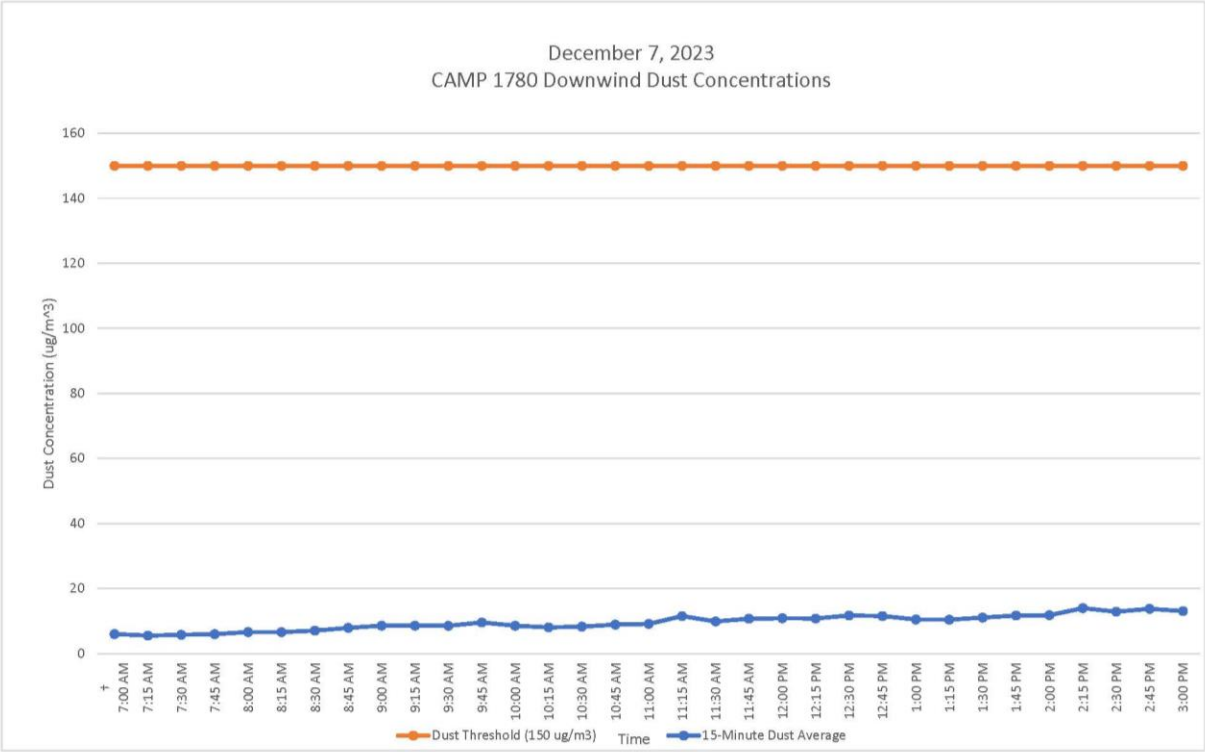


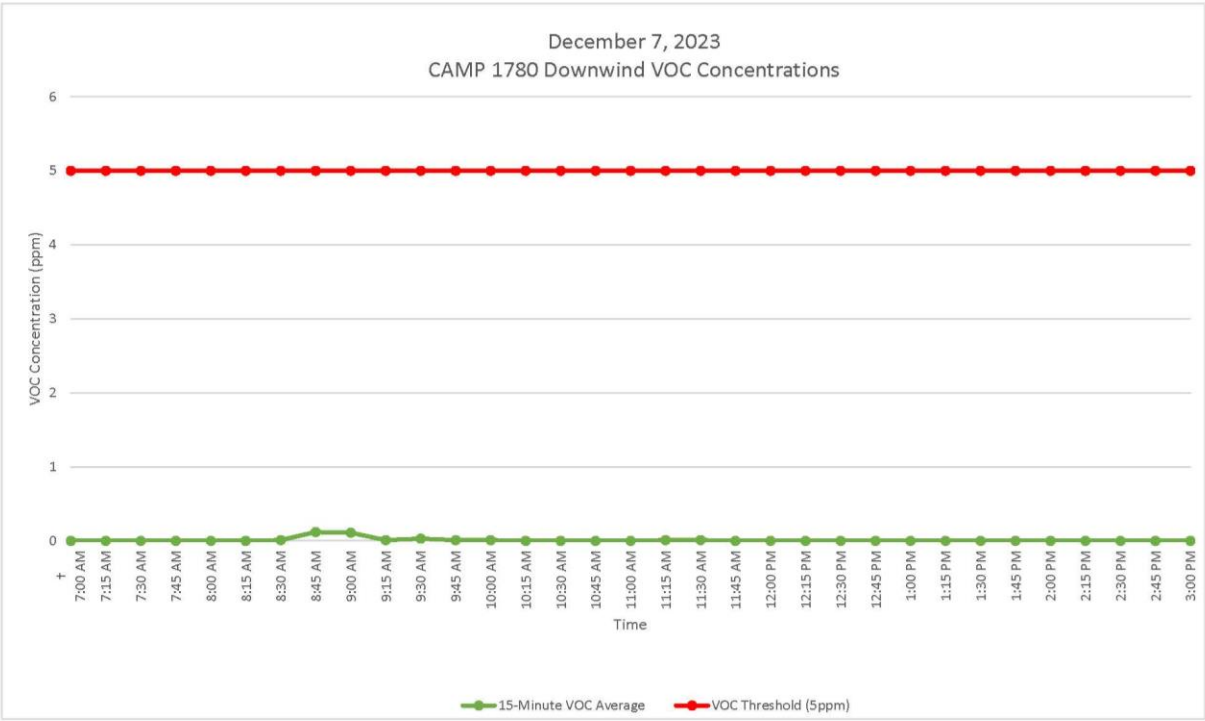


GZA DAILY FIELD SUMMARY 97

DATE: 12/7/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 97

DATE: 12/7/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 97

DATE: 12/7/2023
FILE NO: 41.0163097.00

ATTACHMENT E –IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	14	329.61	39	978.34
TOTAL	**3**	**78.56**	**22**	**570.17**	**14**	**329.61**	**39**	**978.34**

`

GZA DAILY FIELD SUMMARY 98

DATE: 12/8/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Sunny
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	43.64°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	31.00°F
		MAX WIND SPEED	15 mph from WNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, December 8, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 98

DATE: 12/8/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 12/8/2023

Work Location (Attachment A): Grids A1, B1, B4, B5, C4, C5, D1, D2, and D3.

1. J&A removed forms from the foundation wall in grids B4, B5, C4, and C5.
2. J&A installed foundation insulation over HYDRODUCT 220 Drainage Composite and BITUTHENE System 4000 waterproofing/vapor barrier in the northern and eastern sections of the exterior foundation wall in grids A1, B1, D1, D2, and D3.
3. J&A performed dewatering in grids B5 and C4. A total of 21,335.00 gallons of groundwater was generated and treated for the day.
4. Six truckloads of pipe sand (150.63 tons) from North American Aggregates were imported/

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Downwind, 1780– Upwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 32.19 ug/m^3
High Conditions – PID: 0.04 ppm, Particulates: 33.237 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Six truckloads of pipe sand (150.63 tons) were imported from North American Aggregates during this monitoring period.

GZA DAILY FIELD SUMMARY 98

DATE: 12/8/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

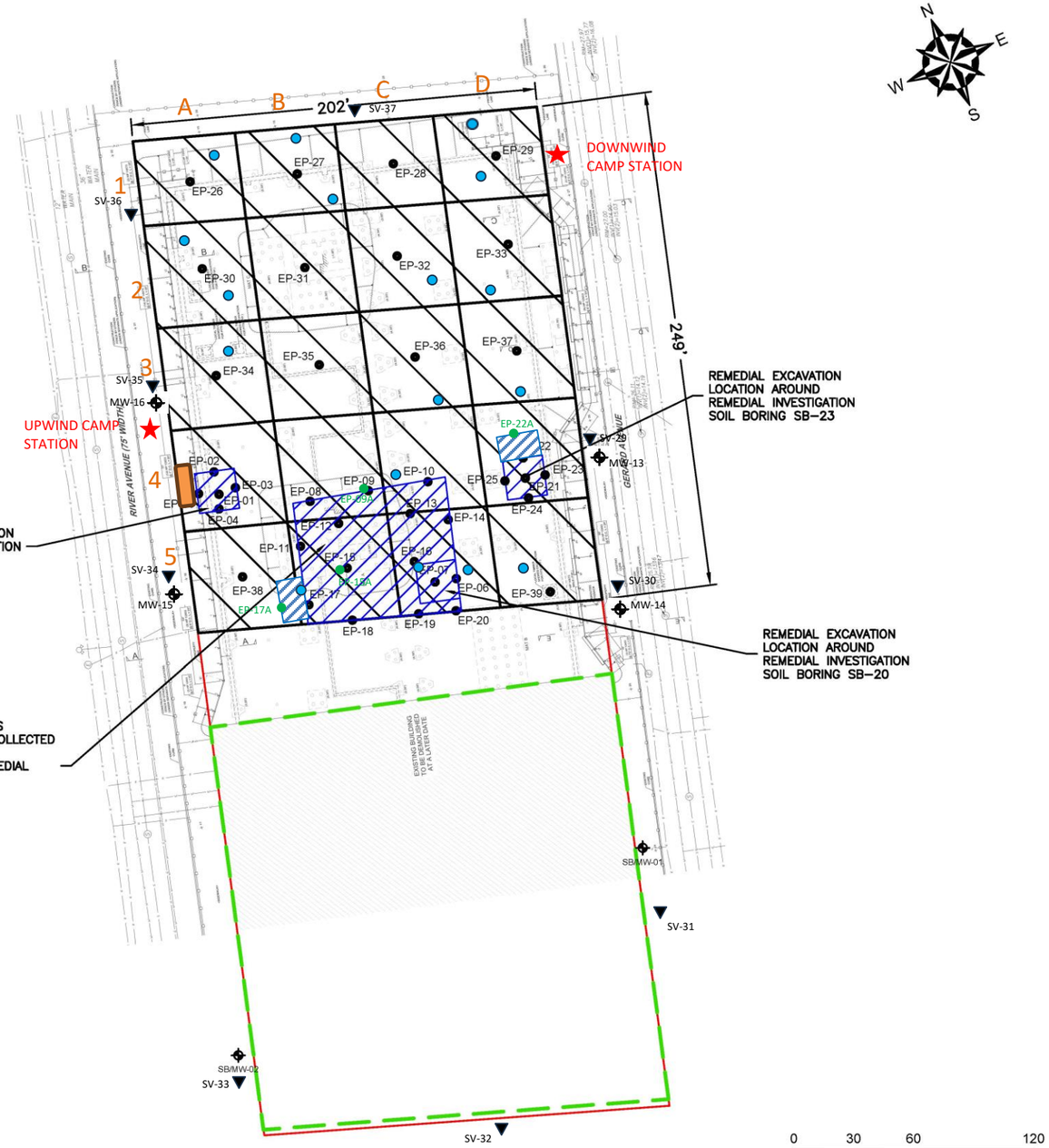
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	21,335.00
Previous	1,703,589.10
Total	**1,724,874.10**

GZA DAILY FIELD SUMMARY 98

DATE: 12/8/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

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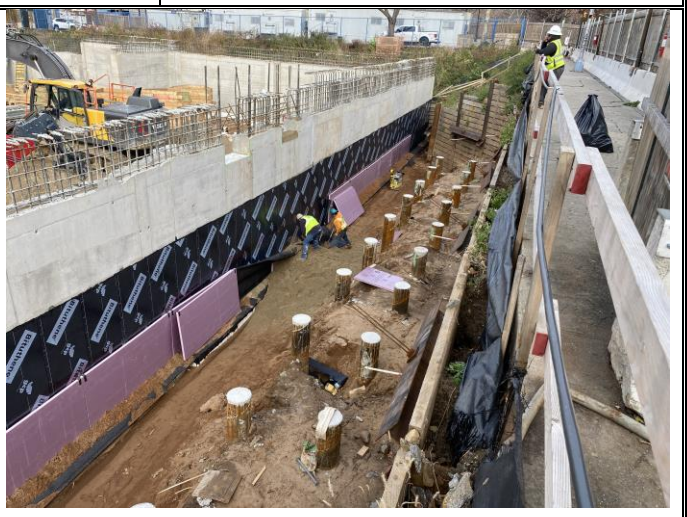
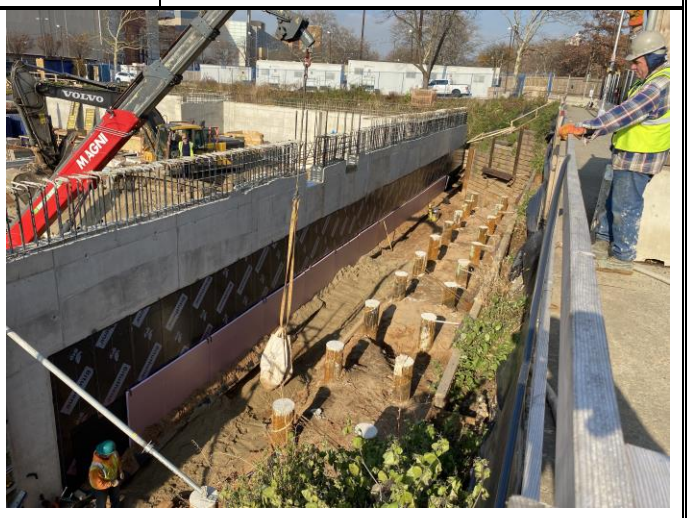
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 98

DATE: 12/8/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** North
			
Description: The construction site at the beginning of the day.		**Description:** J&A installing foundation insulation in the eastern section of the exterior foundation wall.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No.** 4	**Direction Photo Taken** Northwest
			
Description: Munoz trucks with imported material from North American Aggregates.		**Description:** **B**ackfilling behind the eastern exterior wall.	

GZA DAILY FIELD SUMMARY 98

DATE: 12/8/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 8, 2023	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

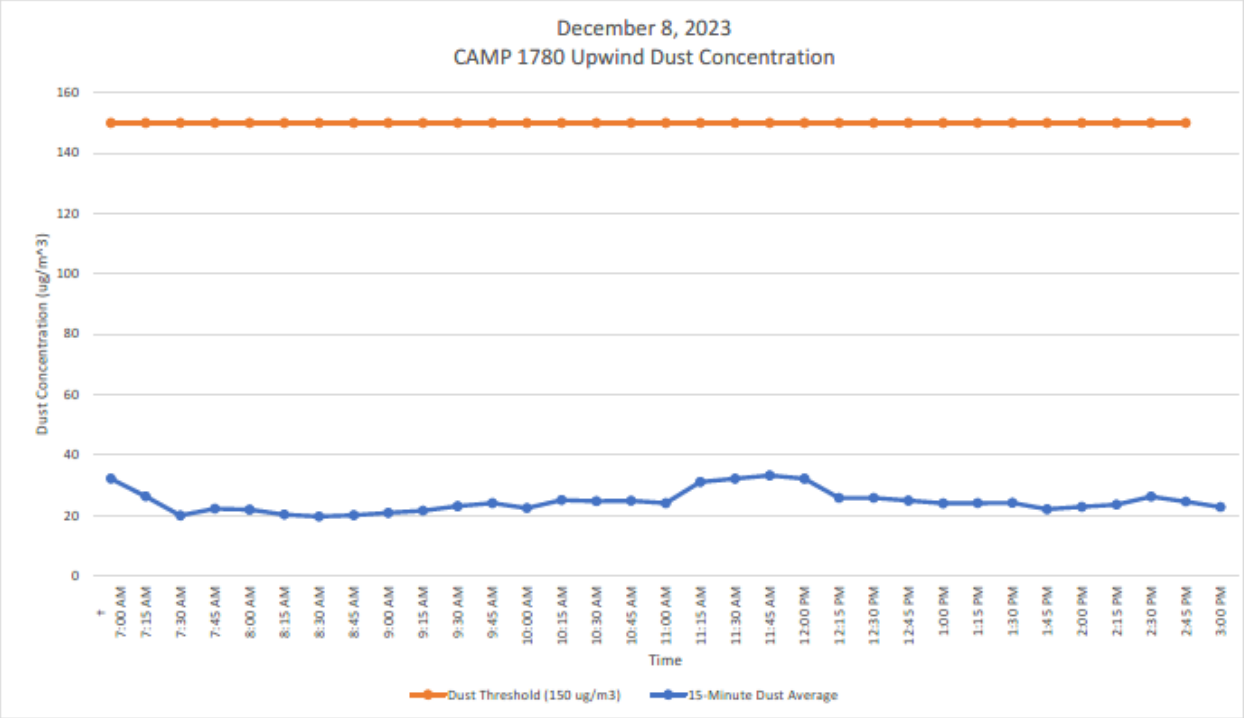
PID 1: 0.0
PID 2: 0.0

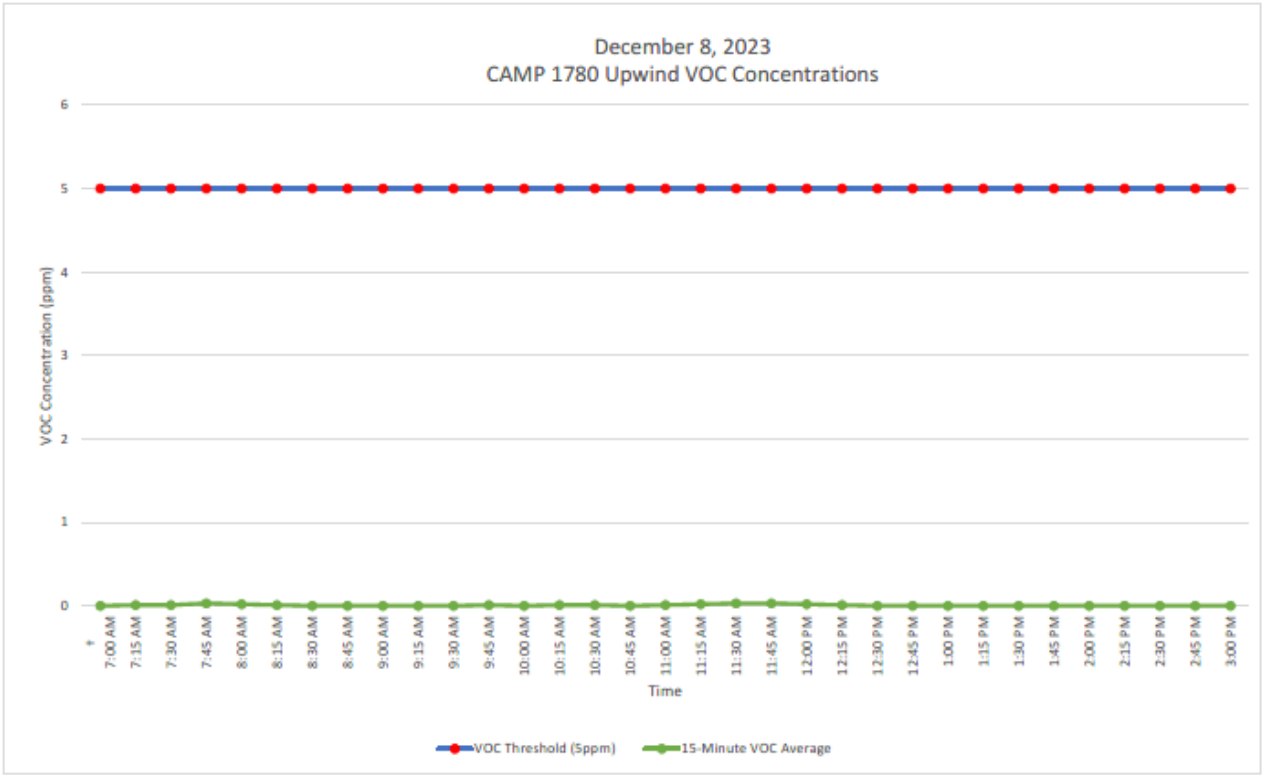
Data Ram 1: 32.19
Data Ram 2: 17.59

GZA DAILY FIELD SUMMARY 98

DATE: 12/8/2023

FILE NO: 41.0163097.00

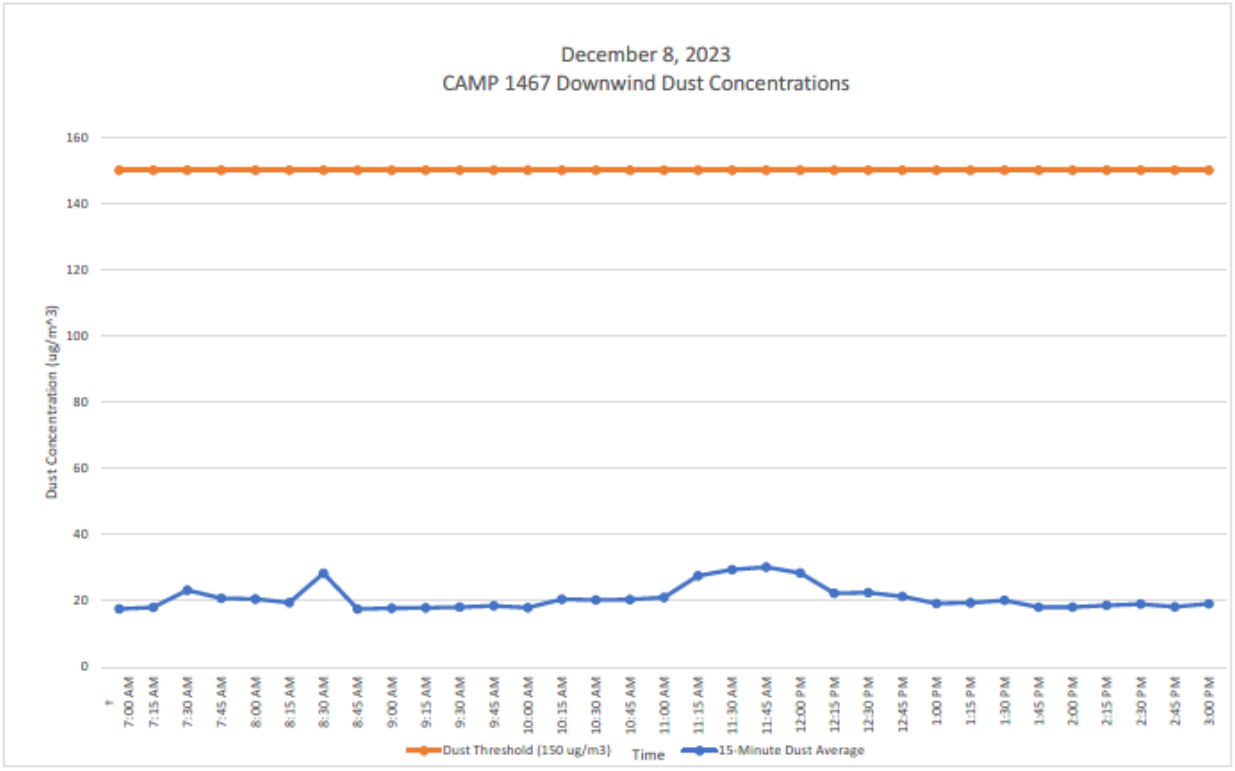


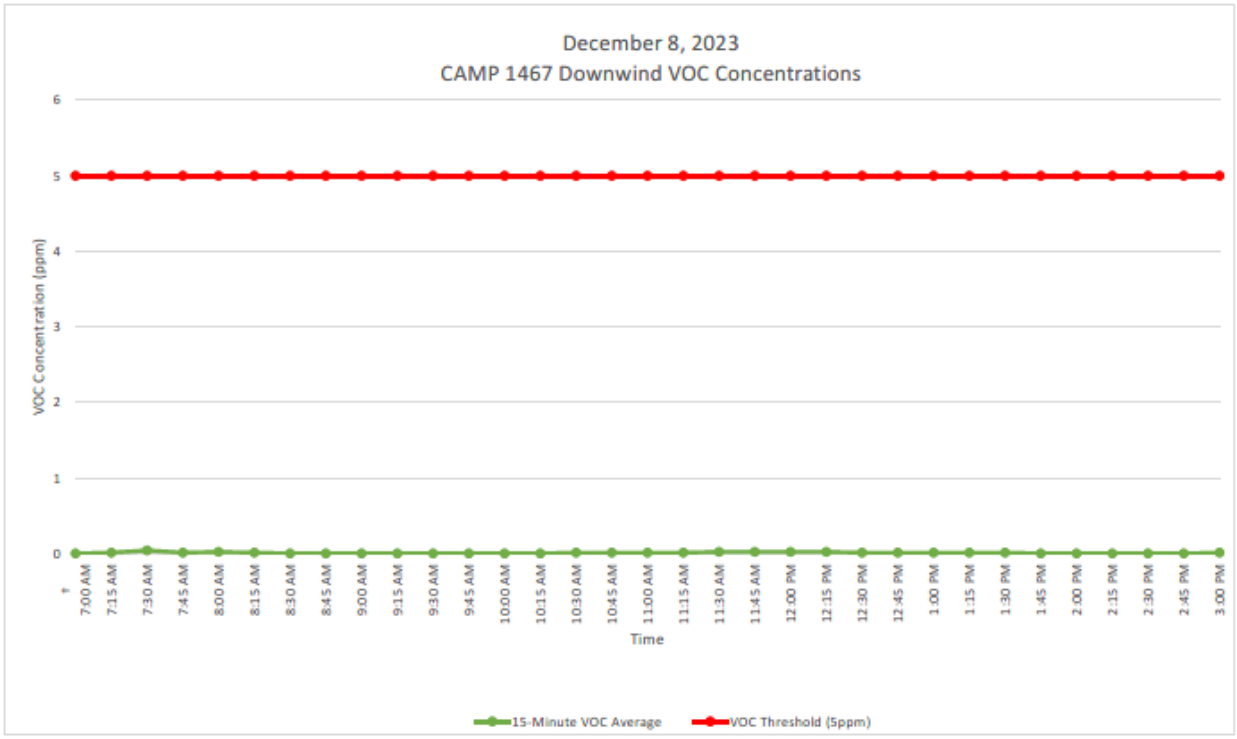


GZA DAILY FIELD SUMMARY 98

DATE: 12/8/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 98

DATE: 12/8/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 98

DATE: 12/8/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	6	150.63	6	150.63
Previous	3	78.56	22	570.17	14	329.61	39	978.34
TOTAL	**3**	**78.56**	**22**	**570.17**	**20**	**480.24**	**45**	**1,128.97**

GZA DAILY FIELD SUMMARY 99

DATE: 12/11/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy / Windy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	43.57°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	34.67°F
		MAX WIND SPEED	33 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	1.81 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, December 11, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**SRM Concrete**	
SITE VISITORS:	**J&A Concrete**	
	Antonio Martins	

GZA DAILY FIELD SUMMARY 99

DATE: 12/11/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 12/11/2023

Work Location (Attachment A): Grids B5, C4, D2, D3, D4, and D5.

1. J&A removed forms from the eastern exterior foundation wall in grids D4 and D5.
2. J&A poured concrete in piles in grids C4 and D4.
3. J&A excavated for pile caps in grids C4, D4, and D5, installed formwork, and spread gas permeable aggregates within the formwork.
4. J&A backfilled and graded the area behind the eastern exterior foundation wall in grids D2 and D3 with pipe sand.
5. J&A performed dewatering in grids B5 and C4. A total of 17,211.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Downwind, 1780– Upwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 12.36 ug/m^3
High Conditions – PID: 2.36 ppm, Particulates: 13.65 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 99

DATE: 12/11/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

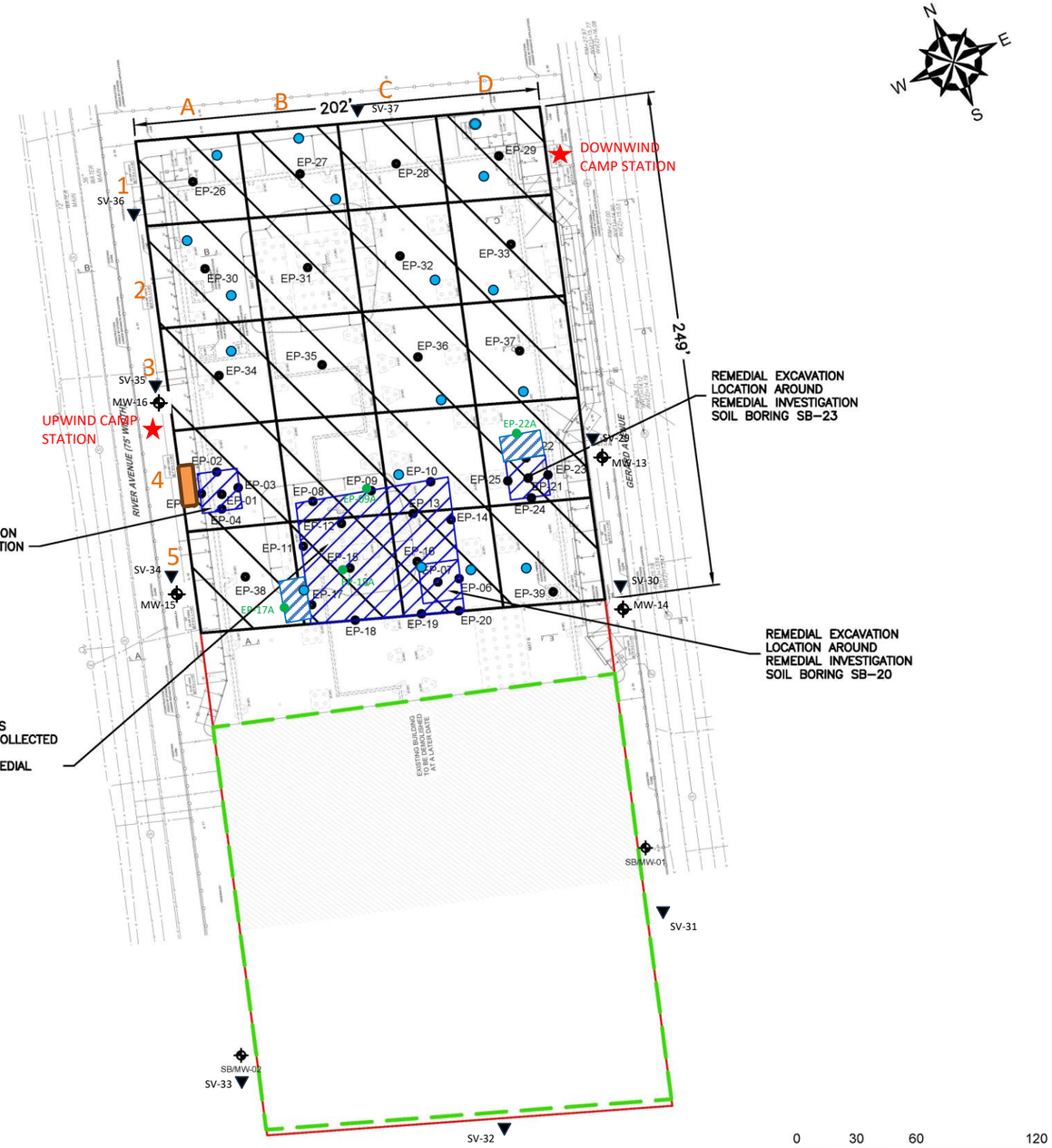
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	17,211.00
Previous	1,724,874.10
Total	**1,742,085.10**

GZA DAILY FIELD SUMMARY 99

DATE: 12/11/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

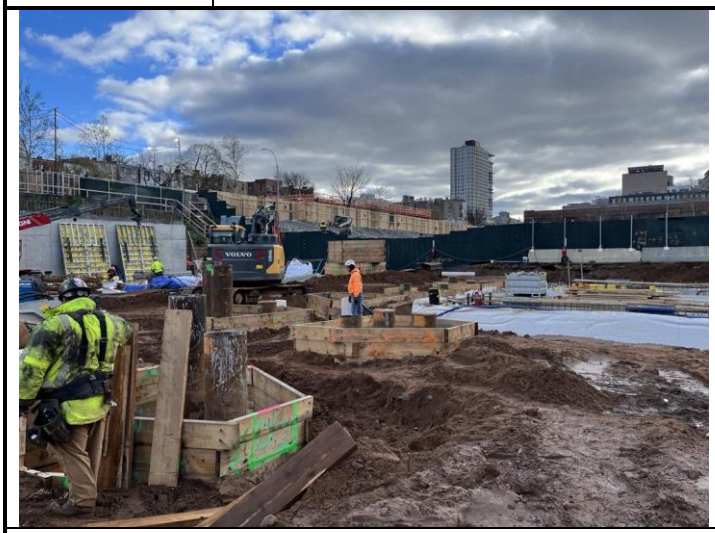
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 99

DATE: 12/11/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Northeast
Description: J&A removing forms from the eastern exterior foundation wall in grids D4 and D5.		**Description:** J&A pouring concrete in piles in grid C4.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No.** 4	**Direction Photo Taken** Northwest
			
Description: Formwork installed for pile caps in grids B4, C4, and C5.		**Description:** J&A backfilling and grading the area behind the eastern foundation wall with pipe sand.	

GZA DAILY FIELD SUMMARY 99

DATE: 12/11/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 11, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

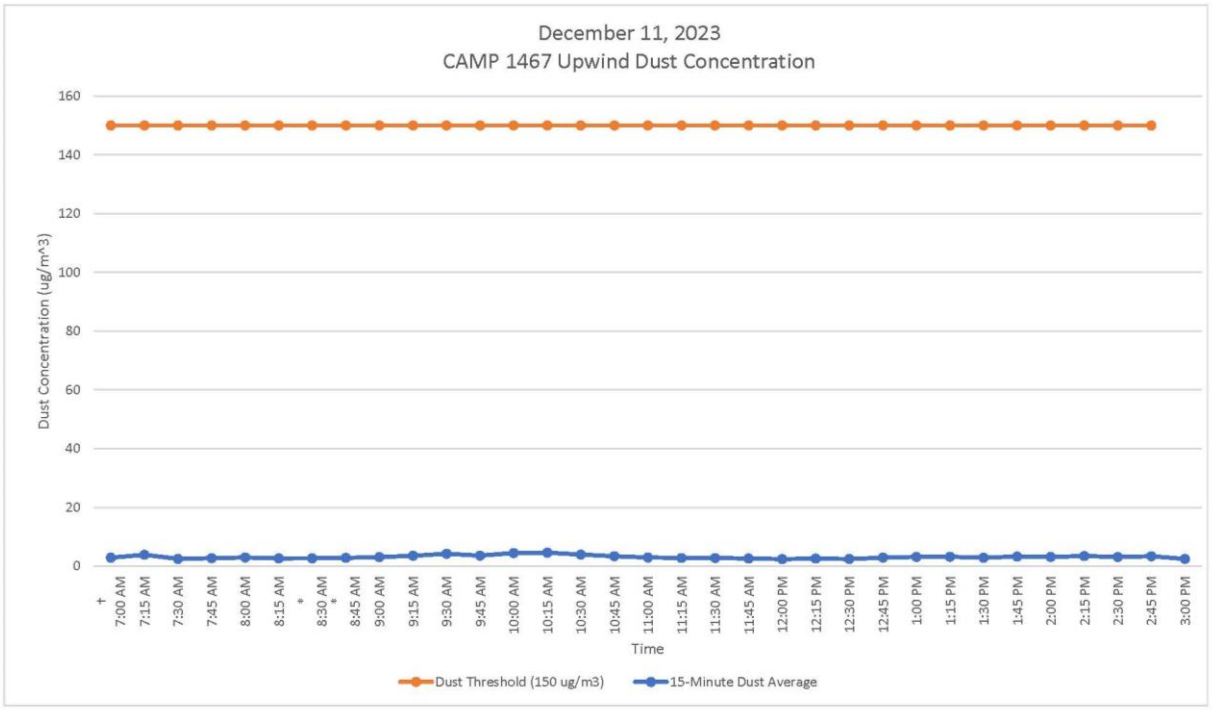
PID 1: 0.0
PID 2: 0.0

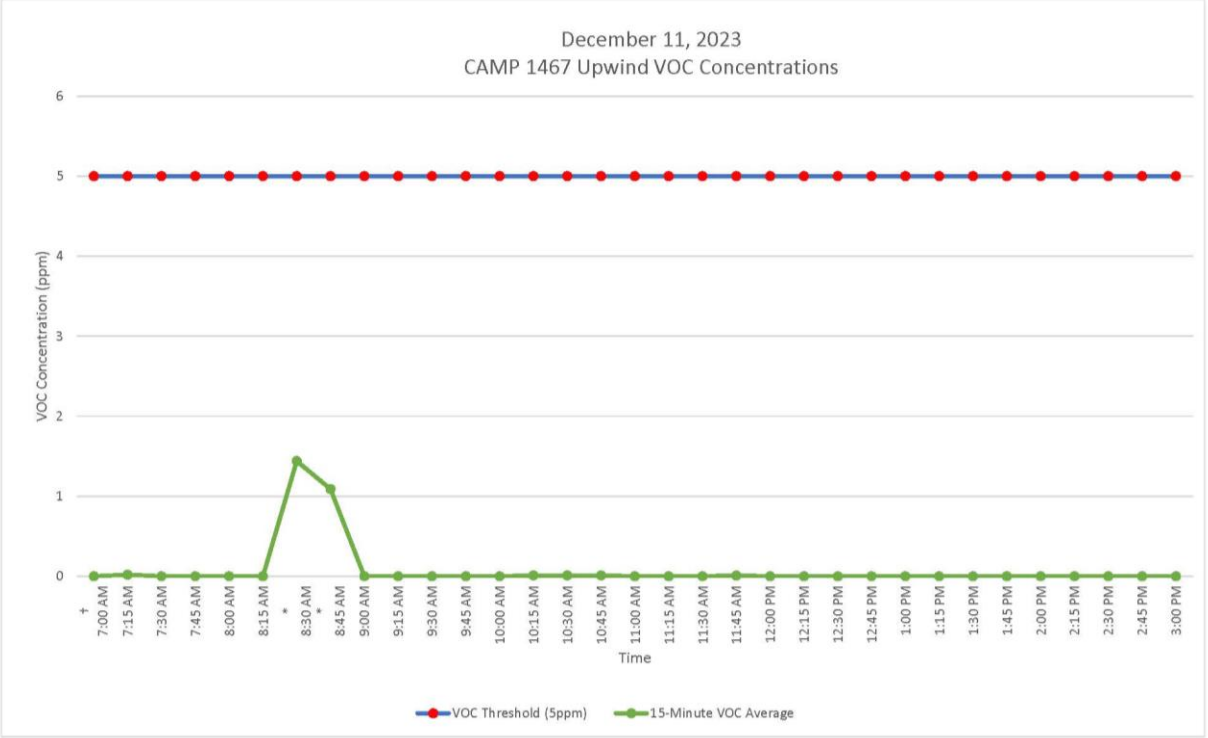
Data Ram 1: 2.92
Data Ram 2: 12.36

GZA DAILY FIELD SUMMARY 99

DATE: 12/11/2023

FILE NO: 41.0163097.00

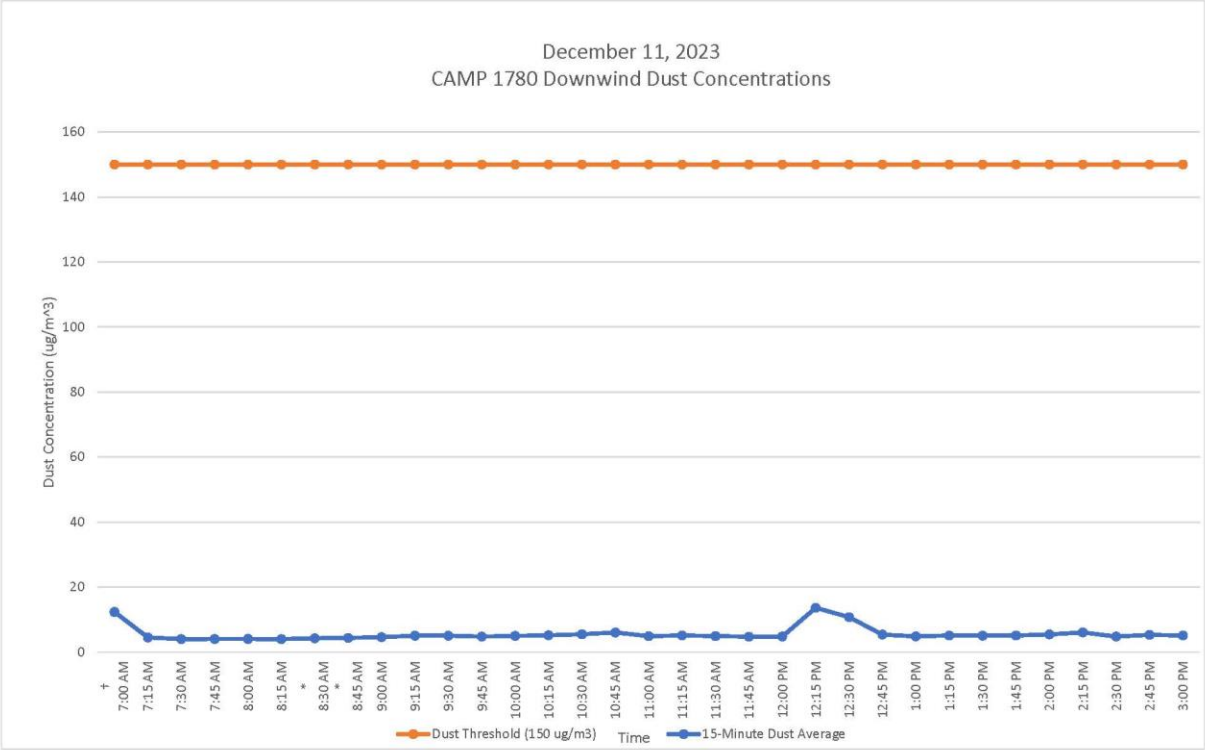


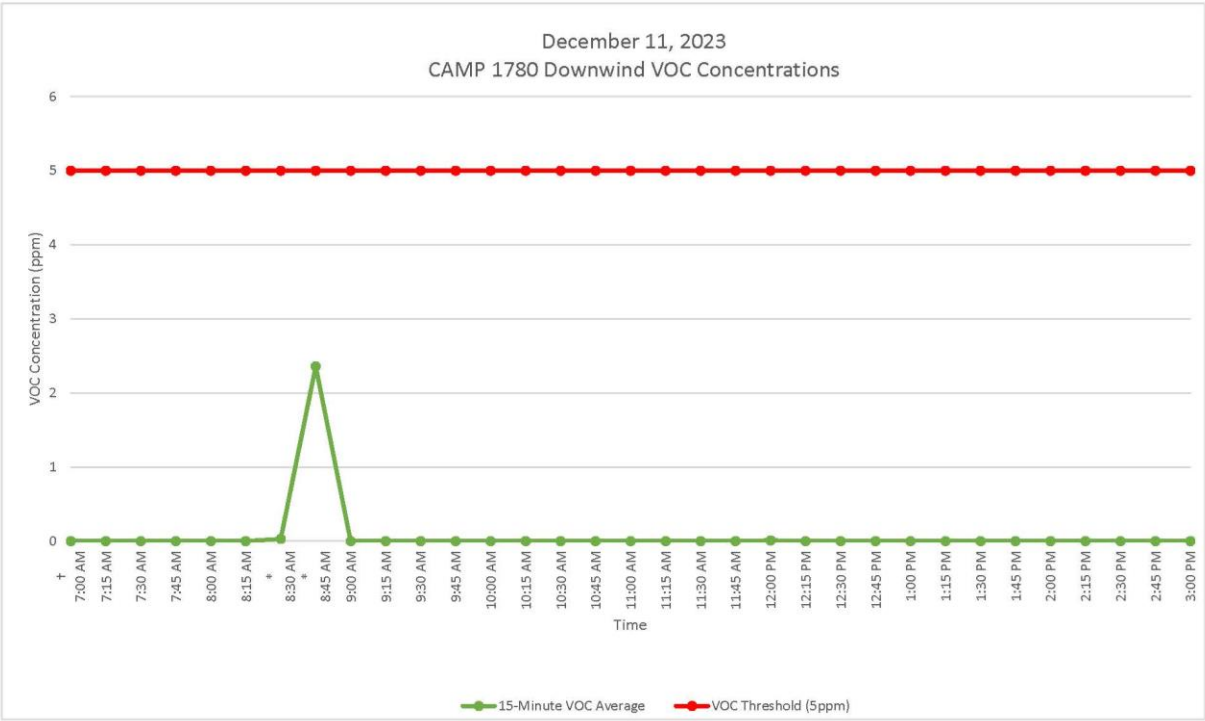


GZA DAILY FIELD SUMMARY 99

DATE: 12/11/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 99

DATE: 12/11/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 99

DATE: 12/11/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	20	480.24	45	1,128.97
TOTAL	**3**	**78.56**	**22**	**570.17**	**20**	**480.24**	**45**	**1,128.97**

GZA DAILY FIELD SUMMARY 100

DATE: 12/12/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	40.53°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	20.76°F
		MAX WIND SPEED	15 mph from W
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.04 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, December 12, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:	**North Atlantic Aggregates**	
	Danilo Custodio	

GZA DAILY FIELD SUMMARY 100

DATE: 12/12/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 12/12/2023

Work Location (Attachment A): Grids B3, B4, B5, C3, C4, C5, D2, and D3.

1. J&A excavated for pile caps in grids B3 and C3, installed formwork, and spread gas permeable aggregates within the formwork.
2. J&A continued backfilling and graded the area behind the eastern exterior foundation wall in grids D2 and D3 with pipe sand.
3. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in pile caps and grade beams in grids B3, B4, C3, C4, and C5. Seams and penetrations were sealed with PREPRUFE Tape LT and/or BITUTHENE® Liquid Membrane to prevent gaps.
4. Crown installed BITUTHENE System 4000 waterproofing/vapor barrier in the southeast section of foundation Mat A in grid B5. Seams and penetrations were sealed with BITUTHENE® Liquid Membrane to prevent gaps.
5. J&A performed dewatering in grids B5 and C4. A total of 14,611.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Downwind, 1780– Upwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.01 ppm, Particulates: 6.52 ug/m^3
High Conditions – PID: 0.02 ppm, Particulates: 14.42 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 100

DATE: 12/12/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

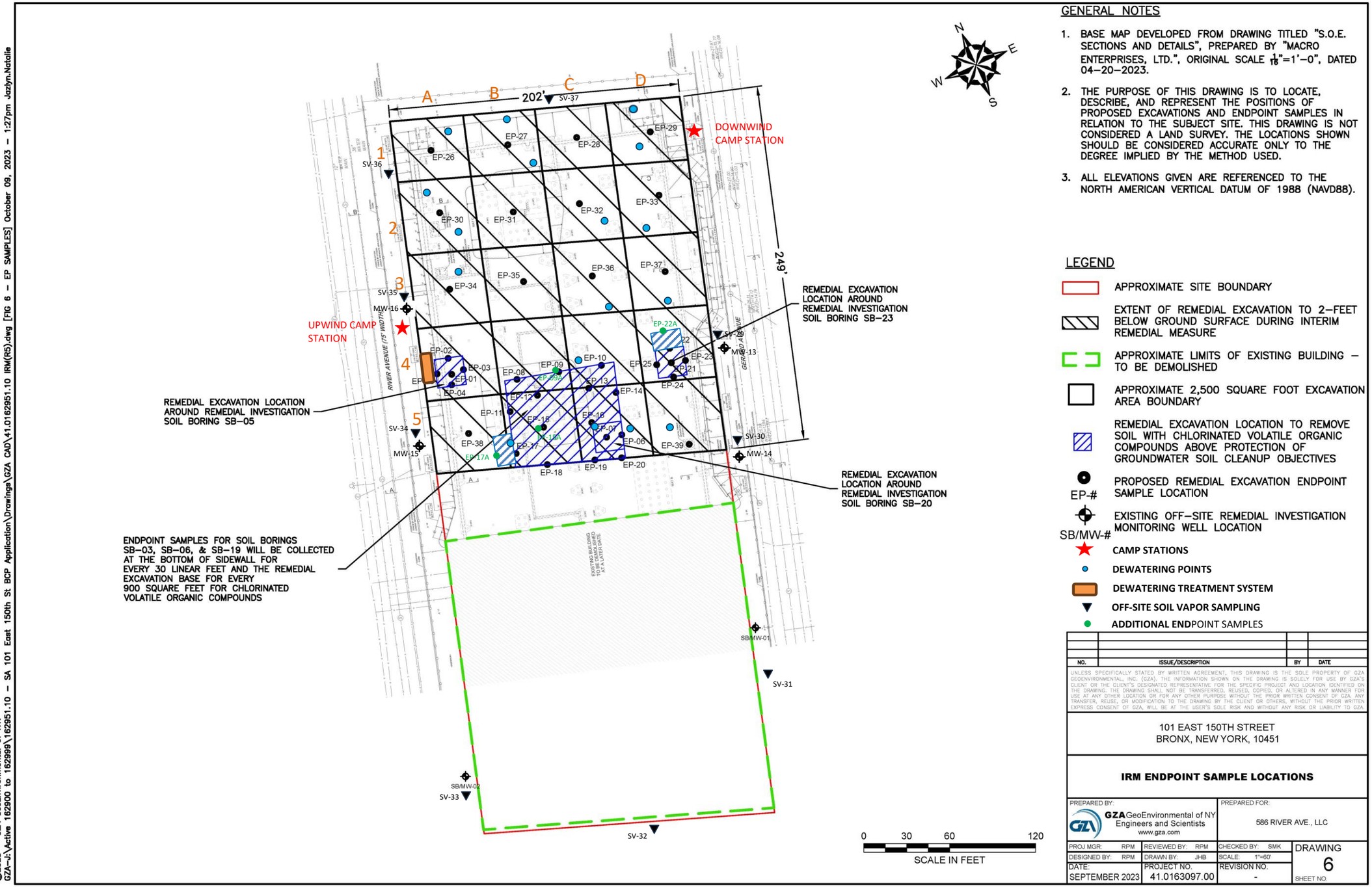
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	14,611.00
Previous	1,742,085.10
Total	**1,756,696.10**

GZA DAILY FIELD SUMMARY 100

DATE: 12/12/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

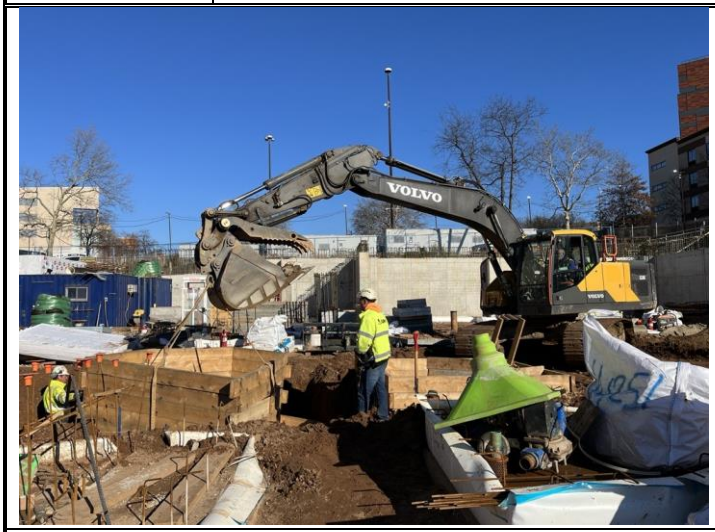
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	6
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 100

DATE: 12/12/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: North	Photo No. 2	Direction Photo Taken Northwest
			
Description: J&A placing formwork in grid B3.		**Description:** J&A backfilling and grading the area behind the eastern foundation wall with pipe sand.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No. 4**	**Direction Photo Taken** Northwest
Description: Bituthene System 4000 vapor barrier installed by Crown in southeast section of foundation Mat A.		**Description:** Vapor barrier installed by Crown in pile cap in grid C5.	

GZA DAILY FIELD SUMMARY 100

DATE: 12/12/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 12, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

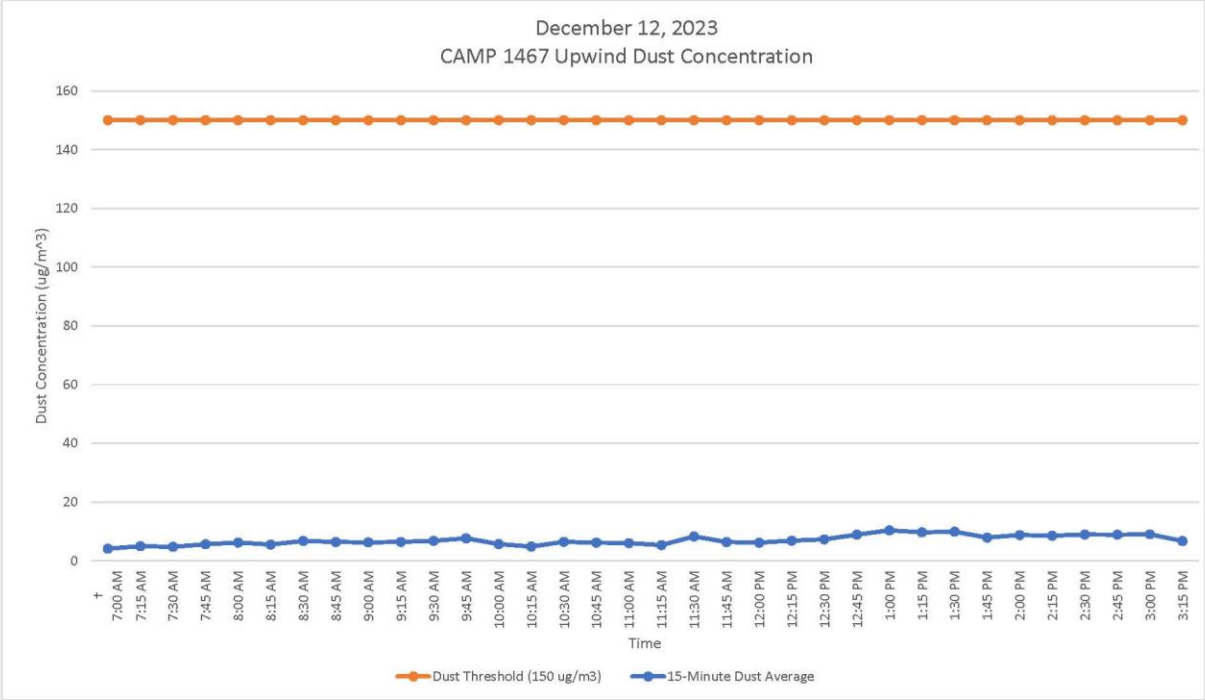
PID 1: 0.01
PID 2: 0.00

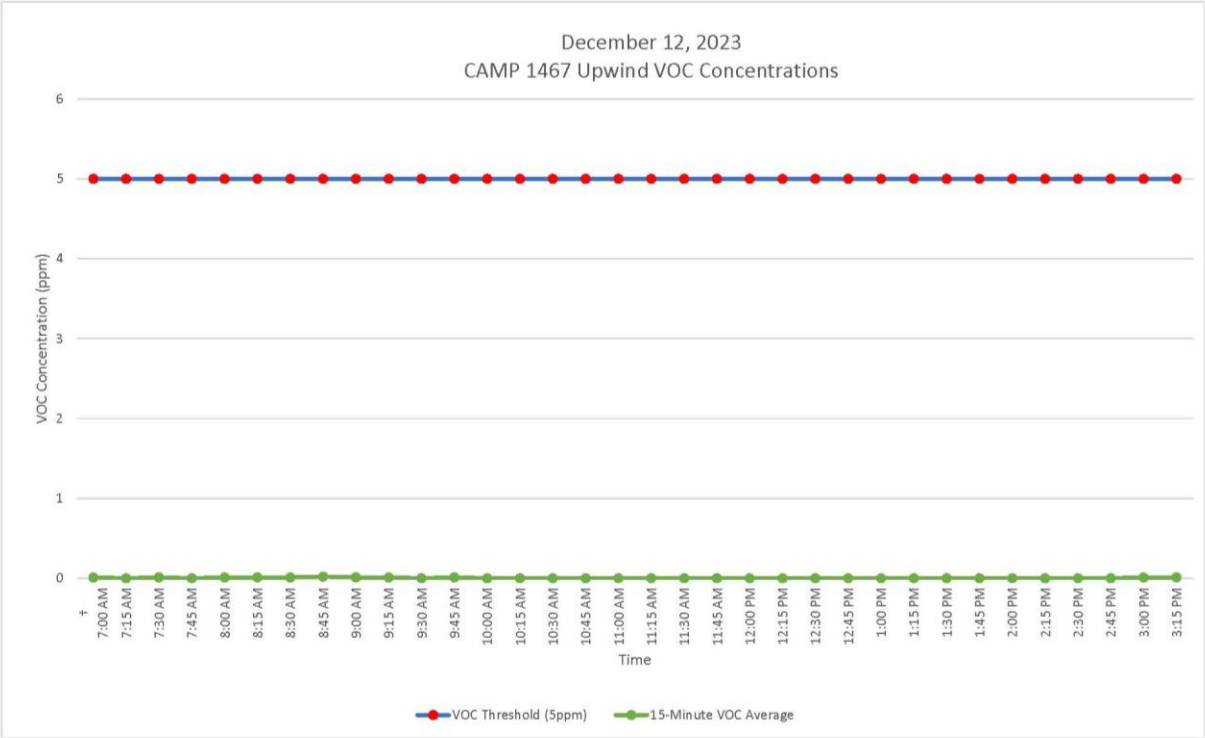
Data Ram 1: 4.14
Data Ram 2: 6.52

GZA DAILY FIELD SUMMARY 100

DATE: 12/12/2023

FILE NO: 41.0163097.00

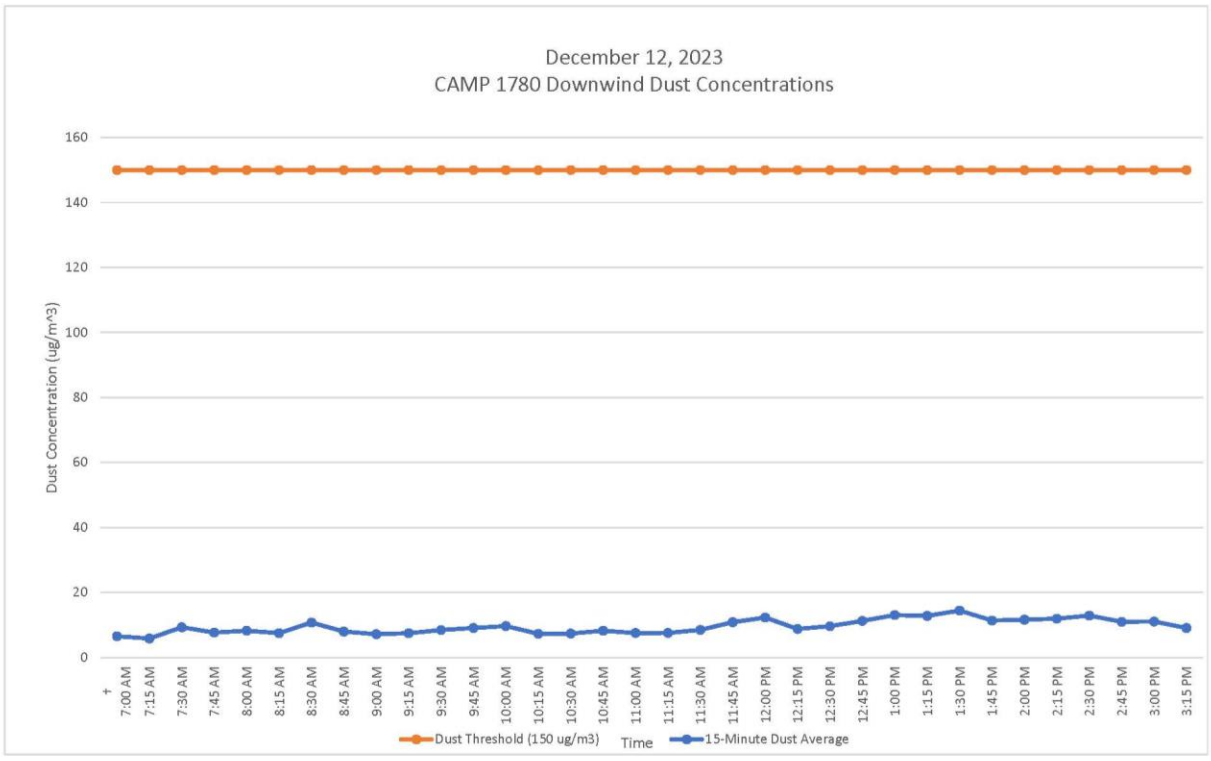


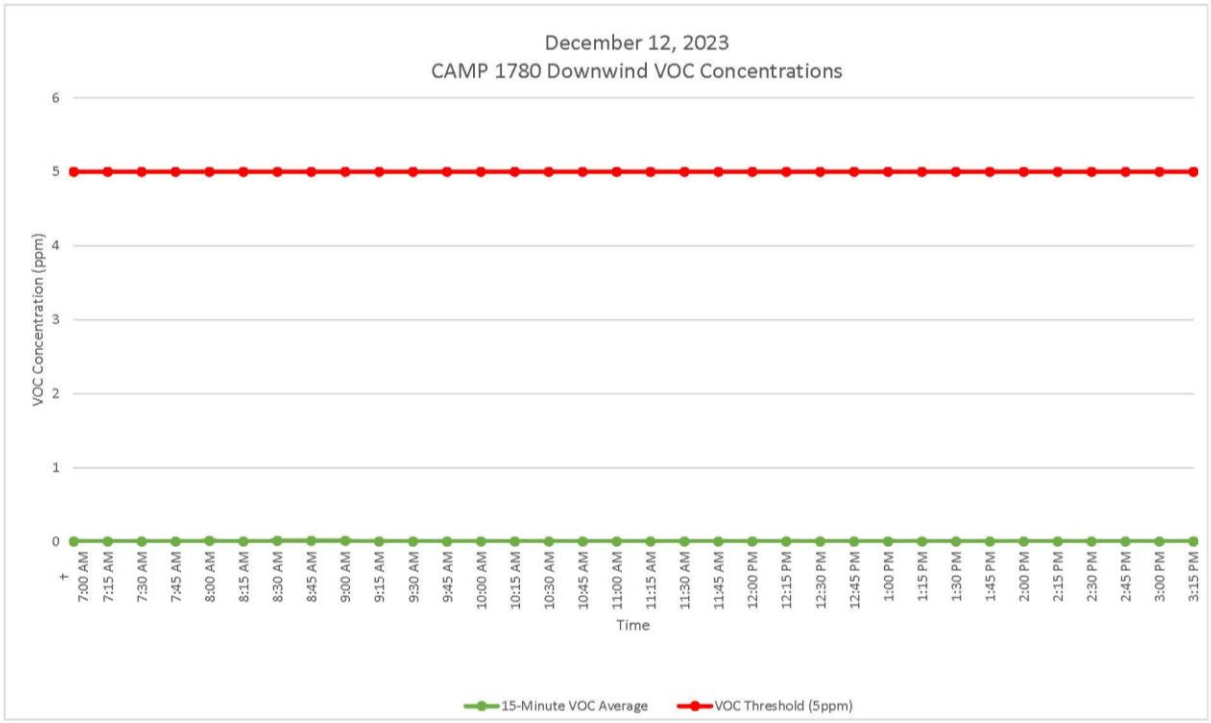


GZA DAILY FIELD SUMMARY 100

DATE: 12/12/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 100

DATE: 12/12/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 100

DATE: 12/12/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	20	480.24	45	1,128.97
TOTAL	**3**	**78.56**	**22**	**570.17**	**20**	**480.24**	**45**	**1,128.97**

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	42.86°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	22.18°F
		MAX WIND SPEED	20 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, December 13, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
	SRM Concrete	
	MRCE	
SITE VISITORS:	**DBI Projects**	
	Danielle Elbaum	
	North Atlantic Aggregates	
	Danilo Custodio	

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 12/13/2023

Work Location (Attachment A): Grids B3, B4, C3, C4, C5, D2, D3, D4, and D5.

1. J&A installed rebar and poured concrete in pile caps and grade beam in grids B3, B4, C3, C4, and C5.
2. J&A removed forms from the eastern exterior foundation wall in grids D4 and D5.
3. J&A continued backfilling and grading the area behind the eastern exterior foundation wall in grids D2 and D3 with pipe sand.
4. Crown sealed seams and penetrations in pile caps in grids B3, B4, C3, C4, and C5 with PREPRUFE Tape LT to prevent gaps.
5. J&A performed dewatering in grids C3. A total of 4,864.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Downwind, 1780– Upwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 10.34 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 14.84 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

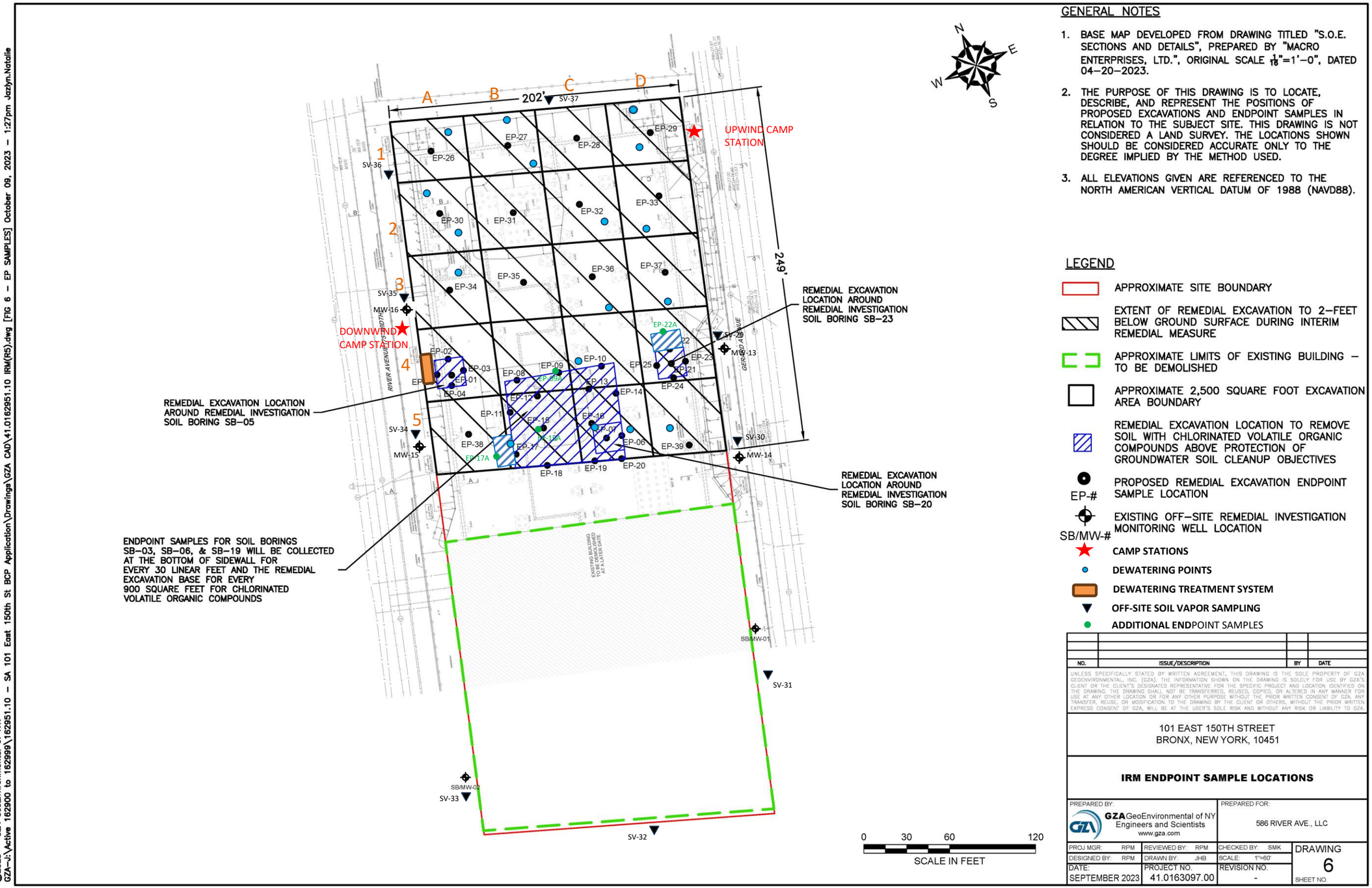
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	4,864.00
Previous	1,756,696.10
Total	**1,761,560.10**

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:			PREPARED FOR:
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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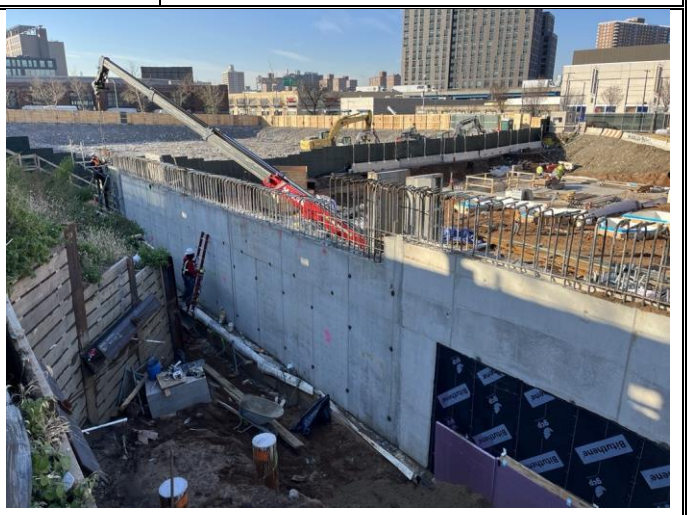
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** East	**Photo No.** 2	**Direction Photo Taken** Southwest
			
Description: Rebar cage installed over vapor barrier.		**Description:** J&A removing forms from the eastern exterior foundation wall in grids D4 and D5.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No.** 4	**Direction Photo Taken** Northwest
Description: Graded area behind the eastern foundation wall.		**Description:** J&A pouring concrete in pile caps in grids B3, B4, C3, C4, and C5.	

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 13, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

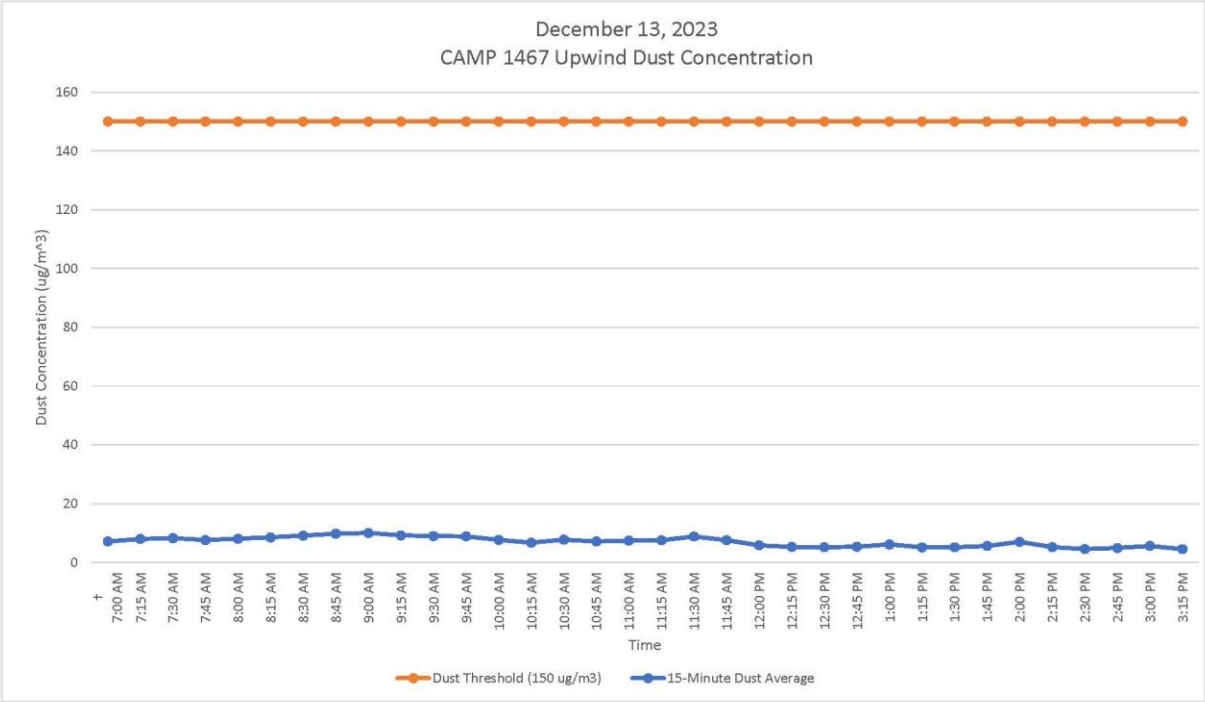
Background Readings:
PID 1: 0.00
PID 2: 0.00

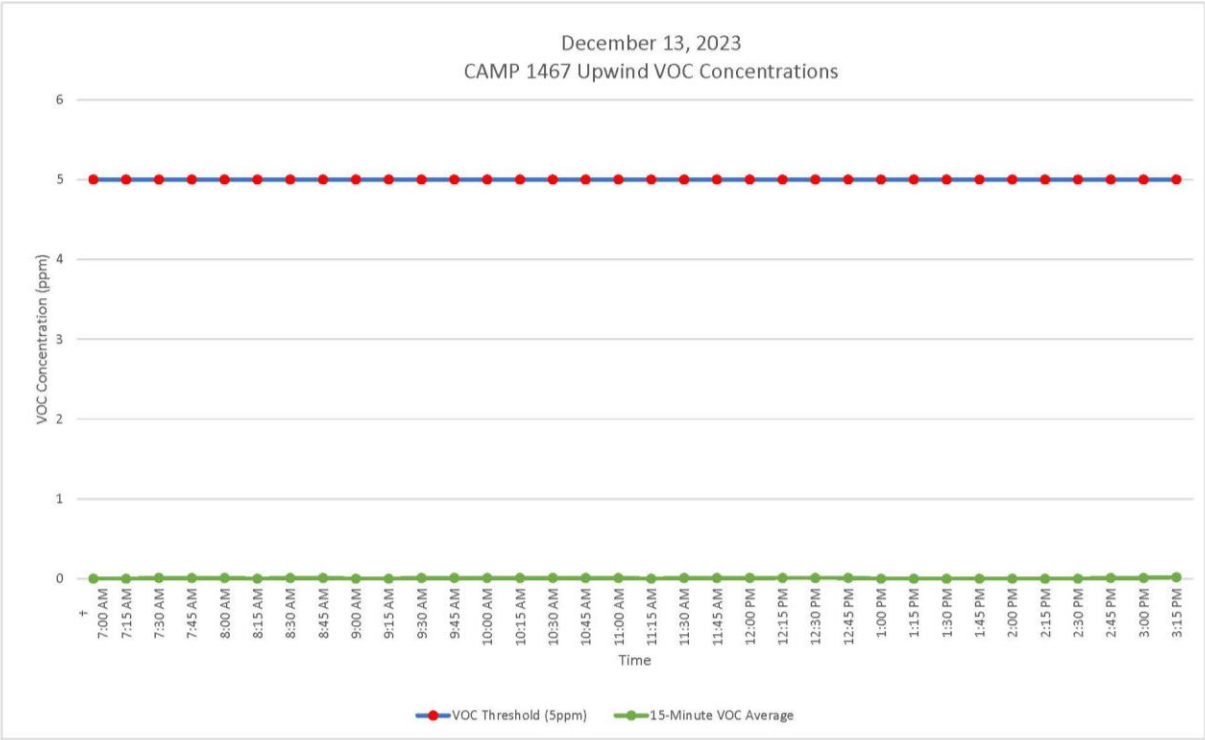
Data Ram 1: 7.17
Data Ram 2: 10.34

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023

FILE NO: 41.0163097.00

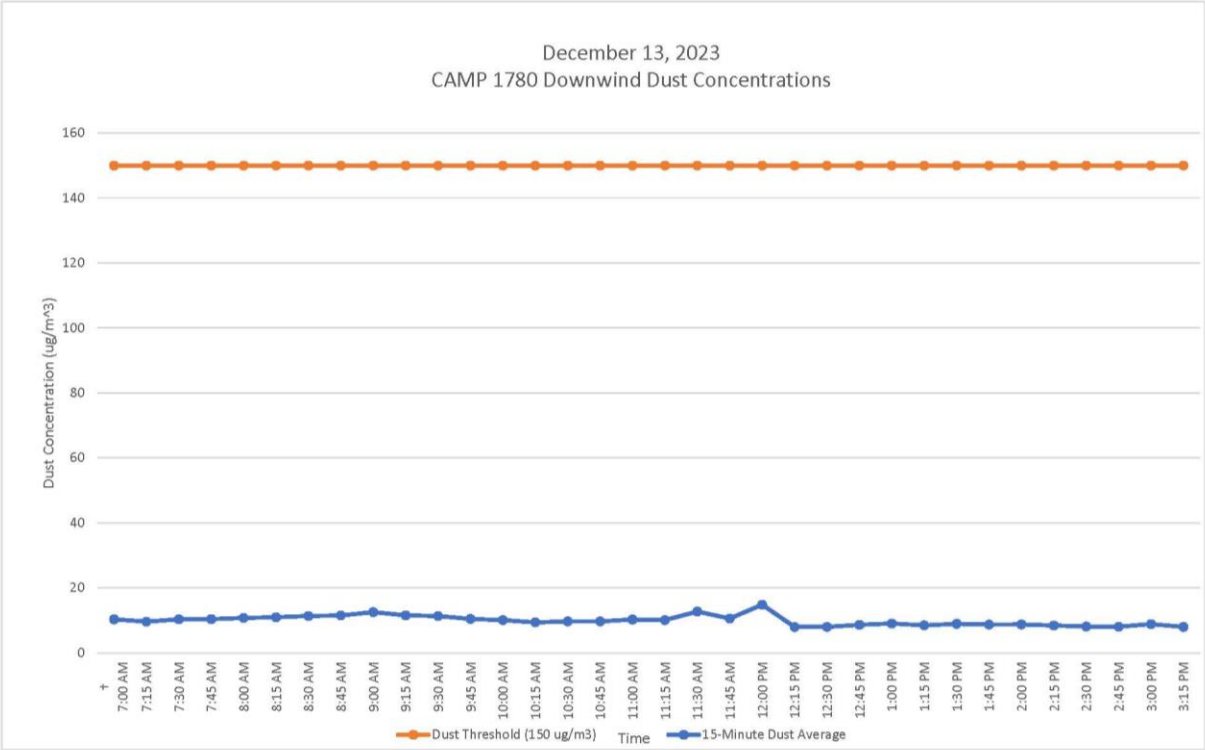


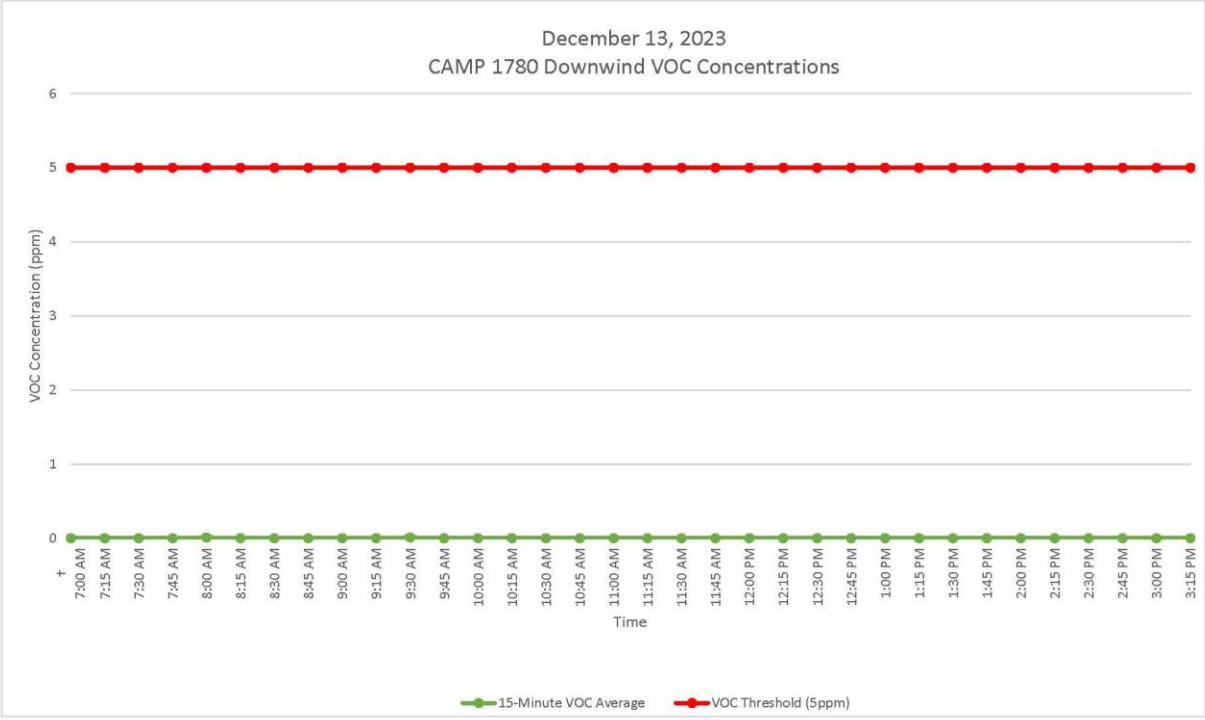


GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	20	480.24	45	1,128.97
TOTAL	**3**	**78.56**	**22**	**570.17**	**20**	**480.24**	**45**	**1,128.97**

GZA DAILY FIELD SUMMARY 102

DATE: 12/14/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair / Partly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	37.33°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	17.22°F
		MAX WIND SPEED	16 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, December 14, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 102

DATE: 12/14/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 12/14/2023

Work Location (Attachment A): Grids A1, A2, D2, D3, D4, and D5.

1. Six truckloads (140.88 tons) of pipe sand from North American Aggregates were delivered onsite by Munoz Trucking Inc. and stockpiled in grid D3.
2. J&A removed forms from the eastern exterior foundation wall in grid D5.
3. Crown installed BITUTHENE System 4000 waterproofing/vapor barrier in the northwestern and eastern sections of the exterior foundation wall in grids A1, A2, D4, and D5. Seams and penetrations were sealed with BITUTHENE® Liquid Membrane to prevent gaps.
4. J&A continued grading the area behind the eastern exterior foundation wall in grids D2 and D3 with pipe sand.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Downwind, 1780– Upwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 7.92 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 7.32 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- Six truckloads (140.88 tons) of pipe sand from North American Aggregates were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

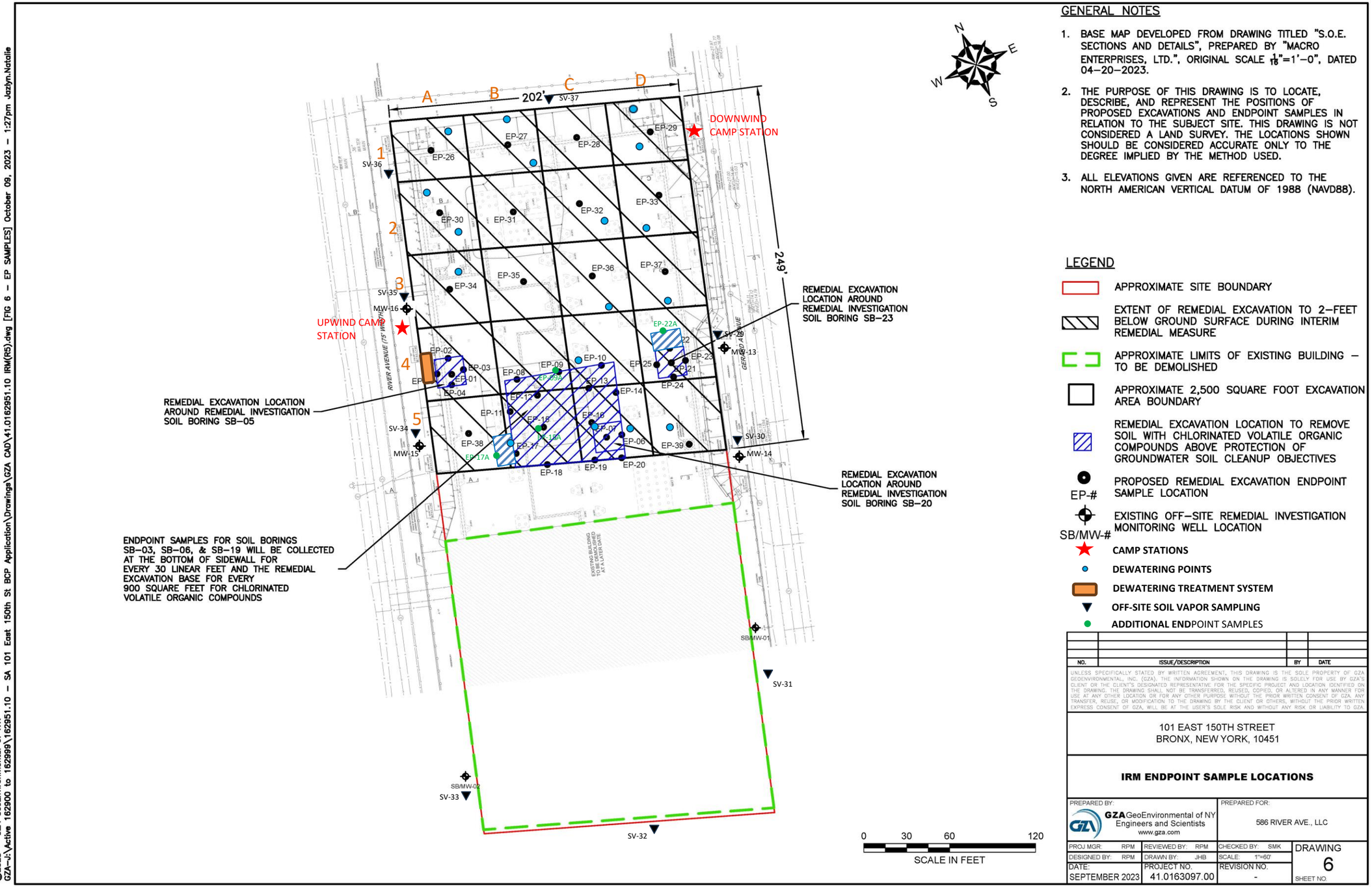
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	0.00
Previous	1,761,560.10
Total	**1,761,560.10**

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

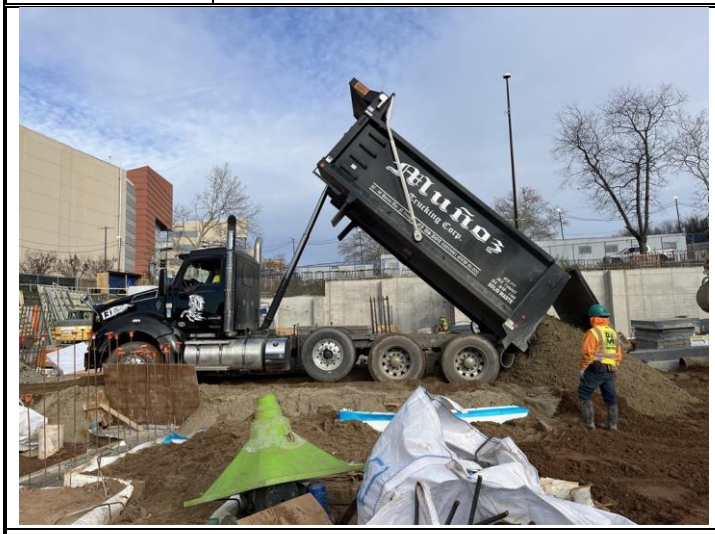
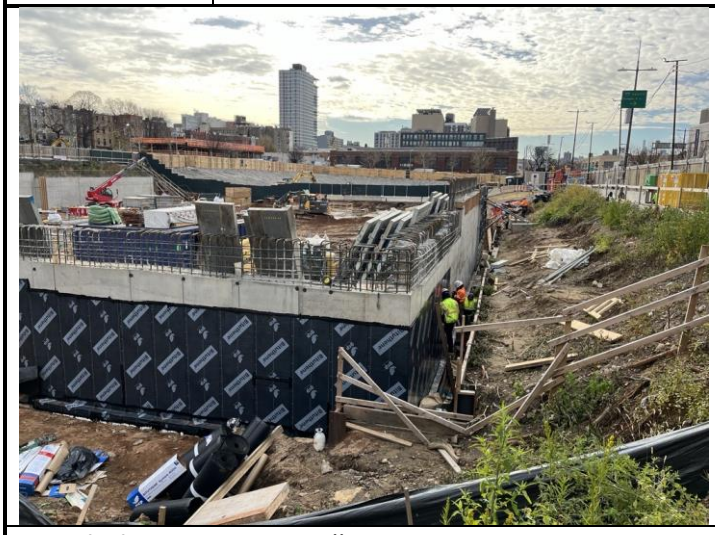
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southwest
			
Description: Munoz Trucking delivering truckload of pipe sand to grid D3.		**Description:** BITUTHENE System 4000 waterproofing /vapor barrier installed by Crown in eastern section of exterior foundation wall in grids D4 and D5.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No.** 4	**Direction Photo Taken** Northeast
			
Description: Crown installing BITUTHENE System 4000 waterproofing /vapor barrier in northwestern section of exterior foundation wall.		**Description:** Overview of Site at the end of day.	

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 14, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held: PID Model 580 SN: 592-602879; SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

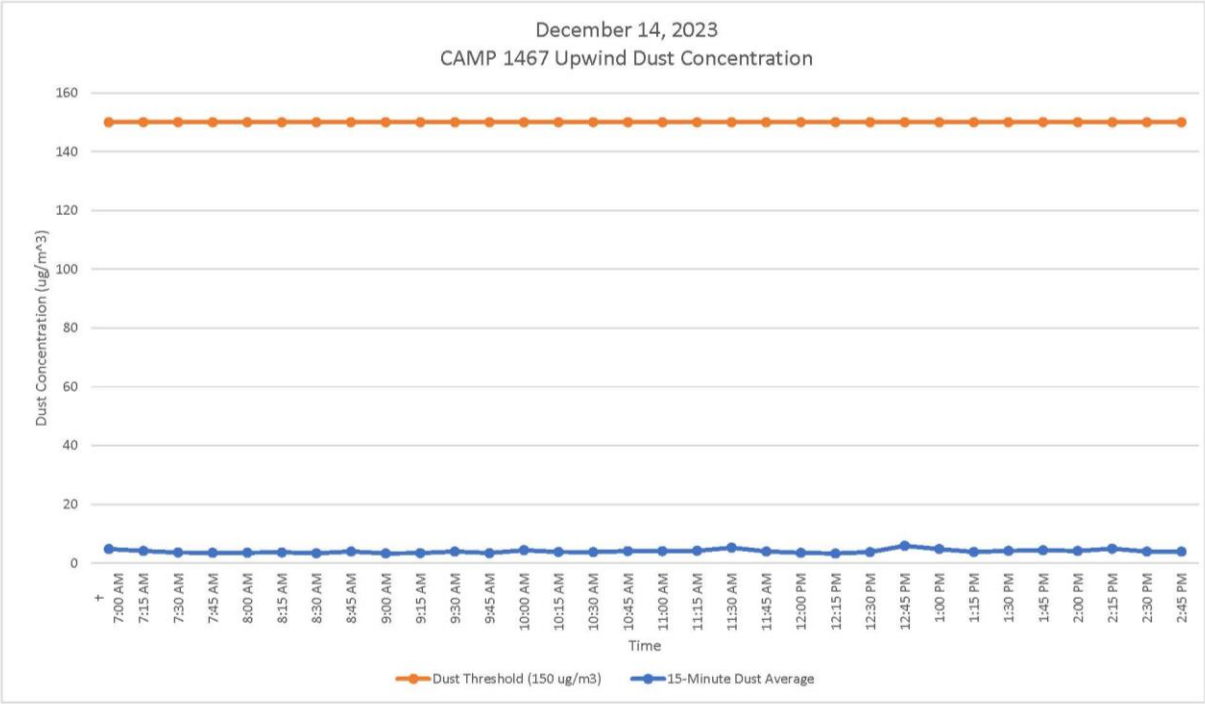
PID 1: 0.00
PID 2: 0.00

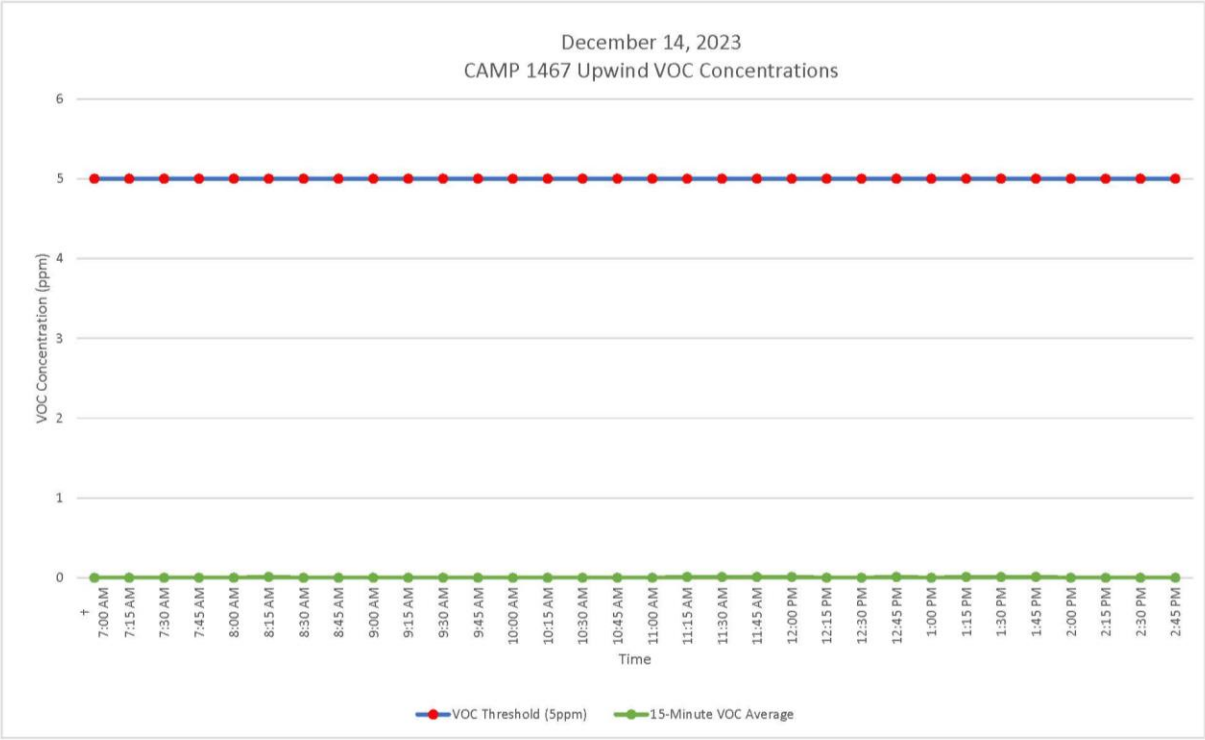
Data Ram 1: 4.82
Data Ram 2: 7.92

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023

FILE NO: 41.0163097.00

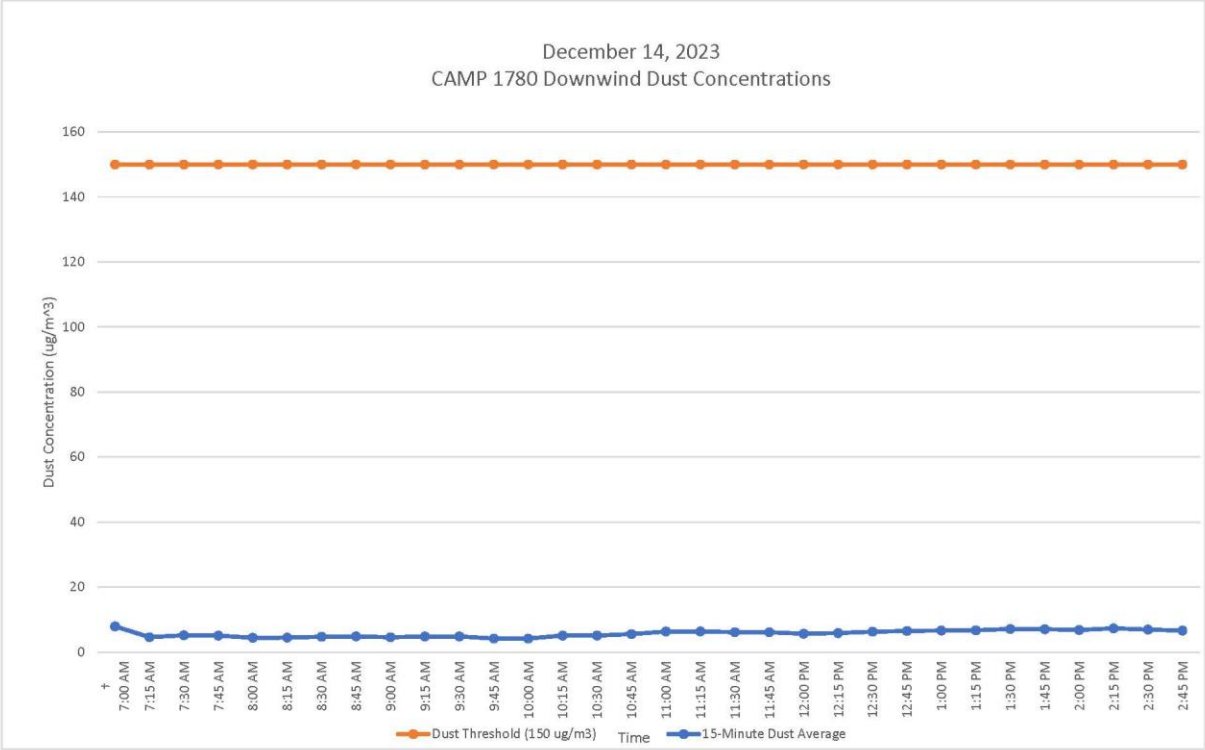


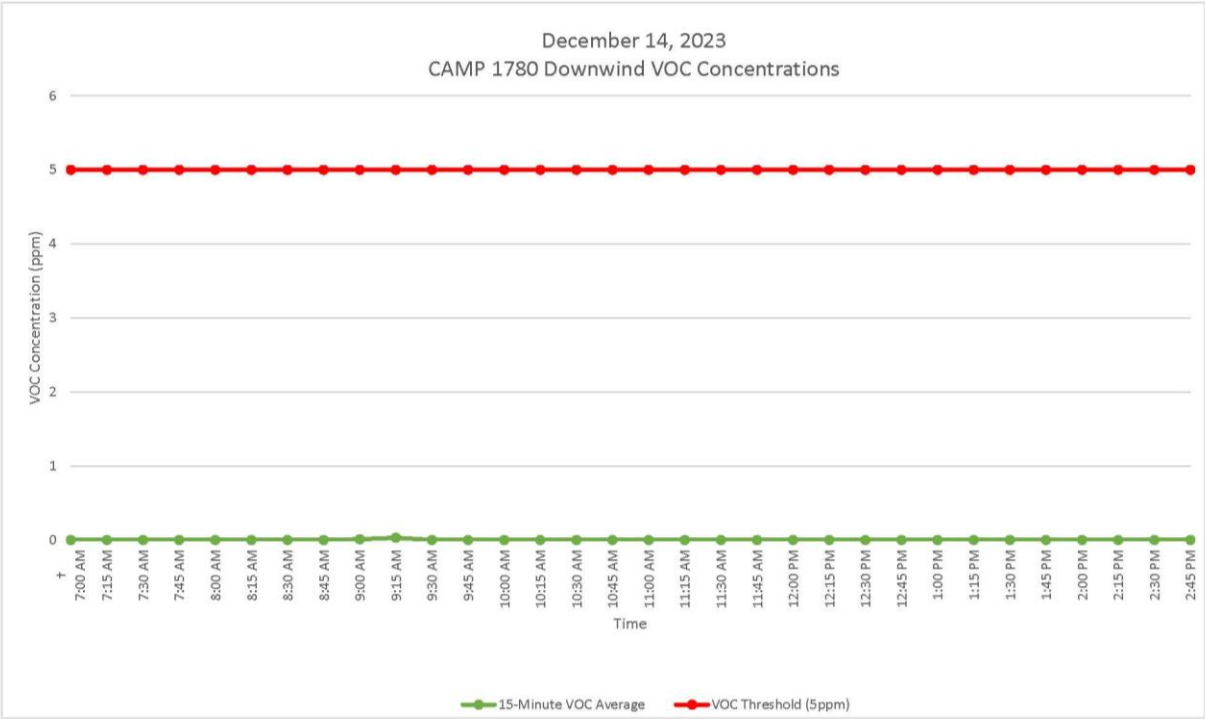


GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 101

DATE: 12/13/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	6	140.88	6	140.88
Previous	3	78.56	22	570.17	20	480.24	45	1,128.97
TOTAL	**3**	**78.56**	**22**	**570.17**	**26**	**621.12**	**51**	**1,269.85**

GZA DAILY FIELD SUMMARY 103

DATE: 12/15/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Fair
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	44.8°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	22.87°F
		MAX WIND SPEED	15 mph from W
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, December 14, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**North Atlantic Aggregates**	
	Danilo Custodio	

GZA DAILY FIELD SUMMARY 103

DATE: 12/15/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 12/14/2023

Work Location (Attachment A): Grids A3, D1, D2, and D4.

1. J&A installed foundation insulation over HYDRODUCT 220 Drainage Composite and BITUTHENE System 4000 waterproofing/vapor barrier in the eastern section of the exterior foundation wall in grids D1, D2 and, D4.
2. J&A continued grading the area behind the eastern exterior foundation wall in grids D1, D2, and D4 with pipe sand.
3. Cousin Metal Industries Inc. transported one truckload of pile cuttings as scrap metal. J&A assisted loading pile cuttings into roll-off container.
4. J&A performed dewatering in grid A3. A total of 906.00 gallons of groundwater was generated and treated for the day.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Downwind, 1780– Upwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 14.09 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 15.22 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 103

DATE: 12/15/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

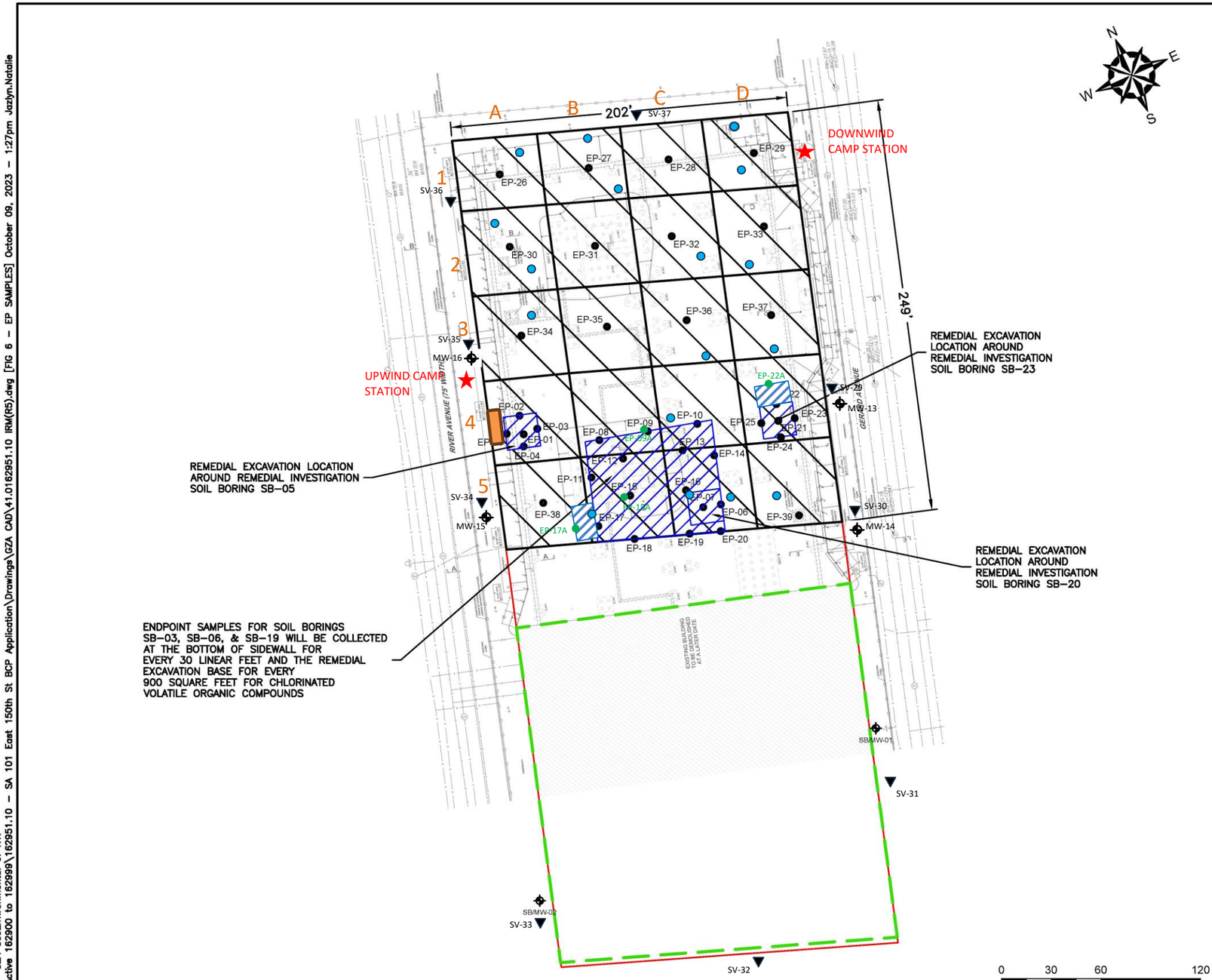
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	906.00
Previous	1,761,560.10
Total	**1,762,466.10**

GZA DAILY FIELD SUMMARY 103

DATE: 12/15/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

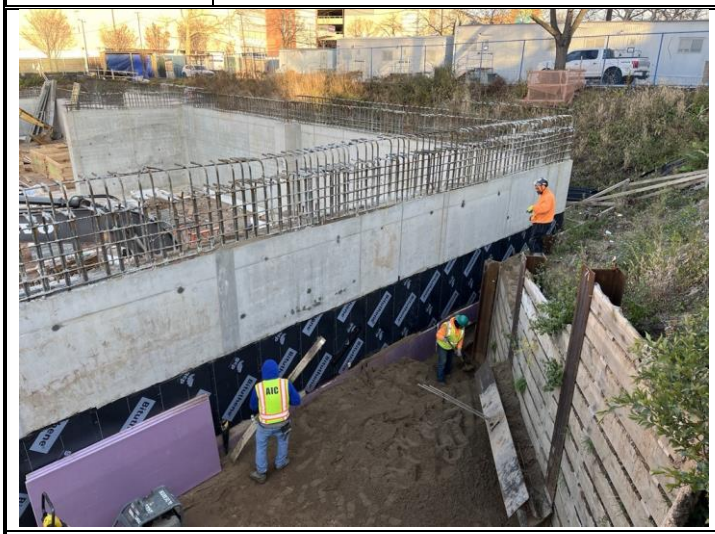
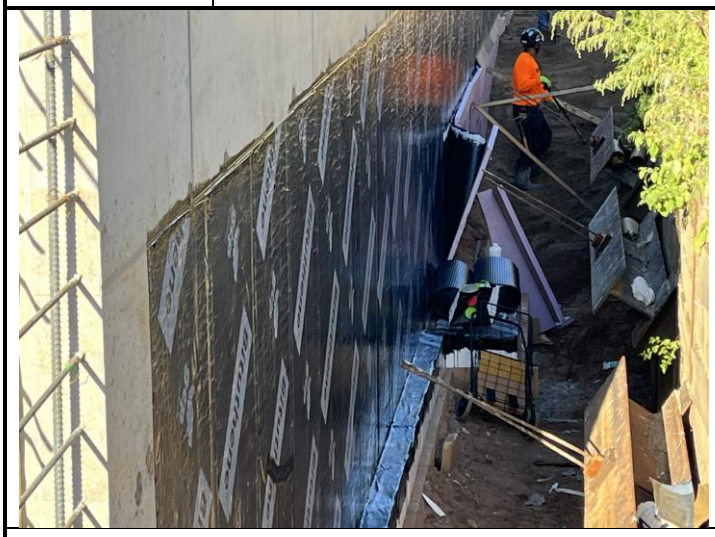
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 103

DATE: 12/15/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** Southwest
			
Description: J&A backfilling and grading the area behind the eastern foundation wall with pipe sand.		**Description:** J&A loading pile cuttings into roll-off container.	
Photo No. 3	**Direction Photo Taken:** Northeast	**Photo No.** 4	**Direction Photo Taken** East
			
Description: HYDRODUCT 220 Drainage Composite and BITUTHENE System 4000 installation.		**Description:** Overview of Site at the end of day.	

GZA DAILY FIELD SUMMARY 103

DATE: 12/15/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 15, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments:

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

Background Readings:

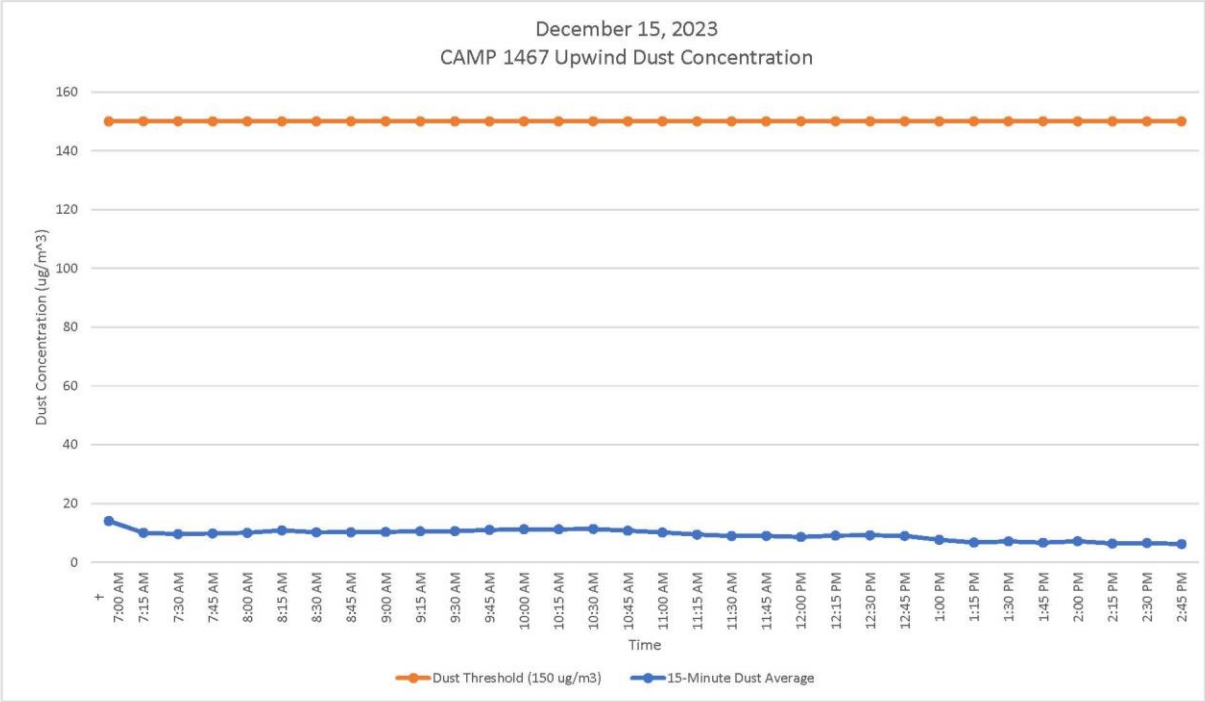
PID 1: 0.00
PID 2: 0.00

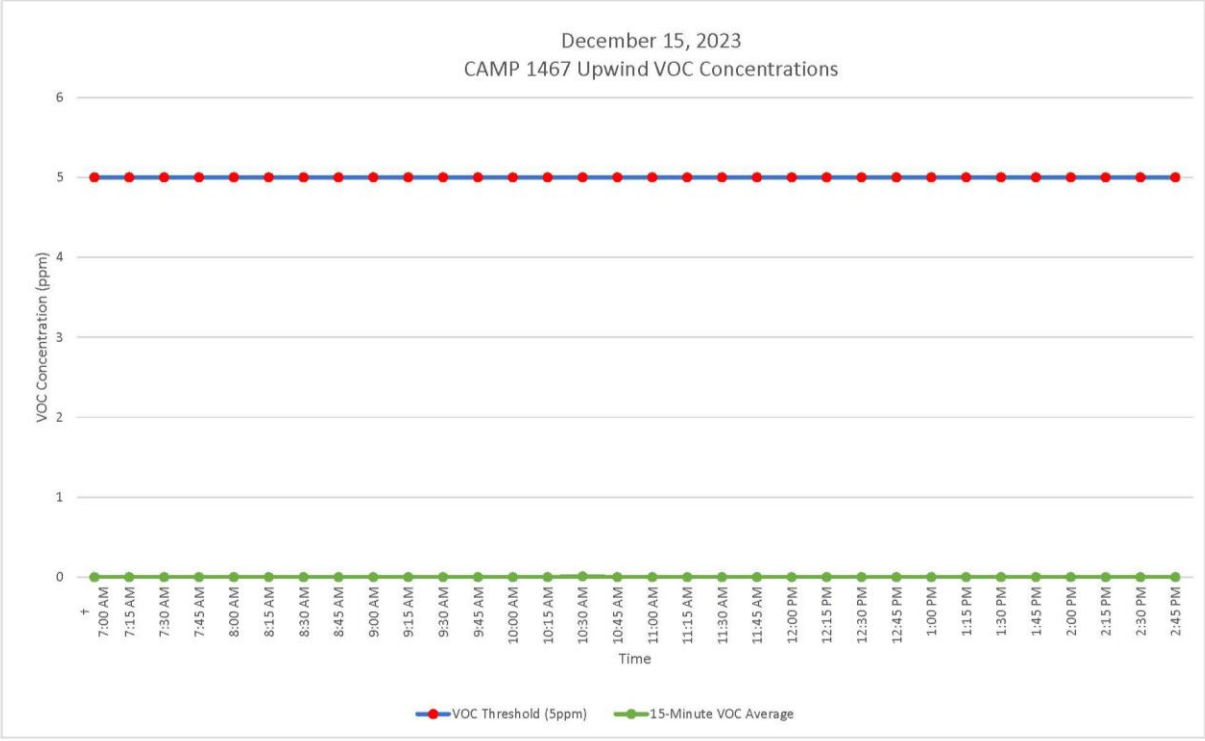
Data Ram 1: 14.09
Data Ram 2: 13.30

GZA DAILY FIELD SUMMARY 103

DATE: 12/15/2023

FILE NO: 41.0163097.00

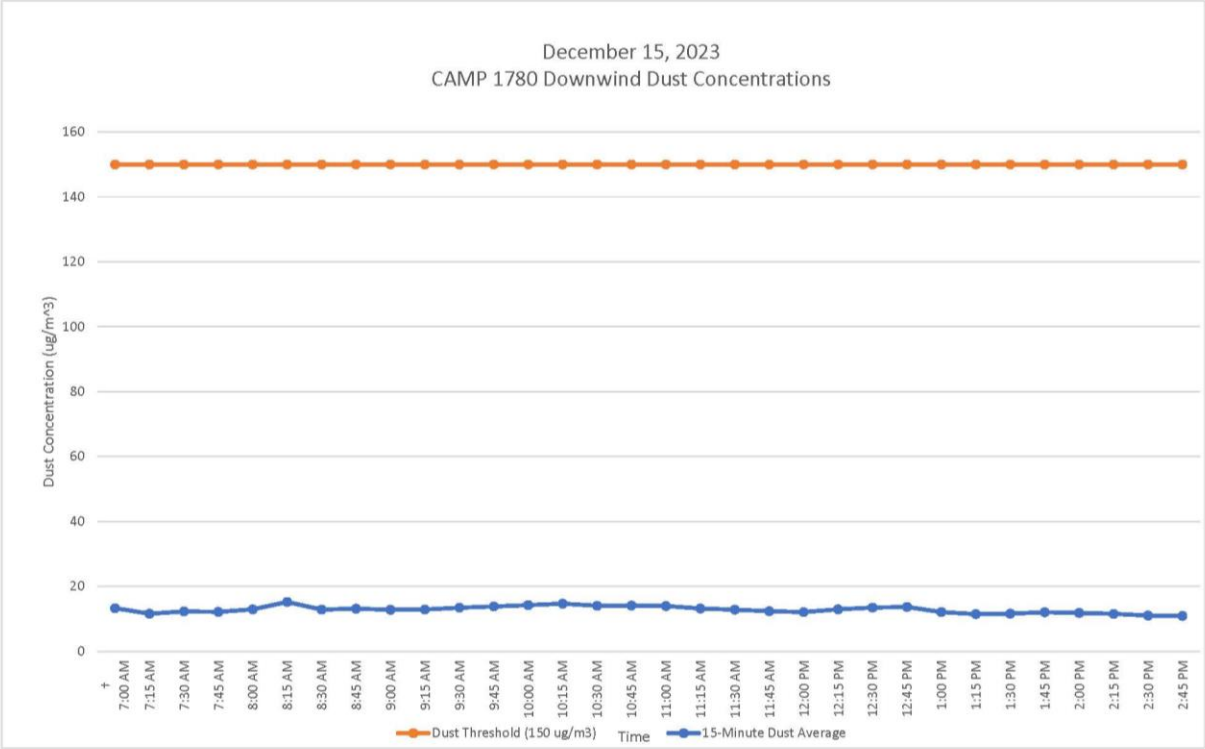


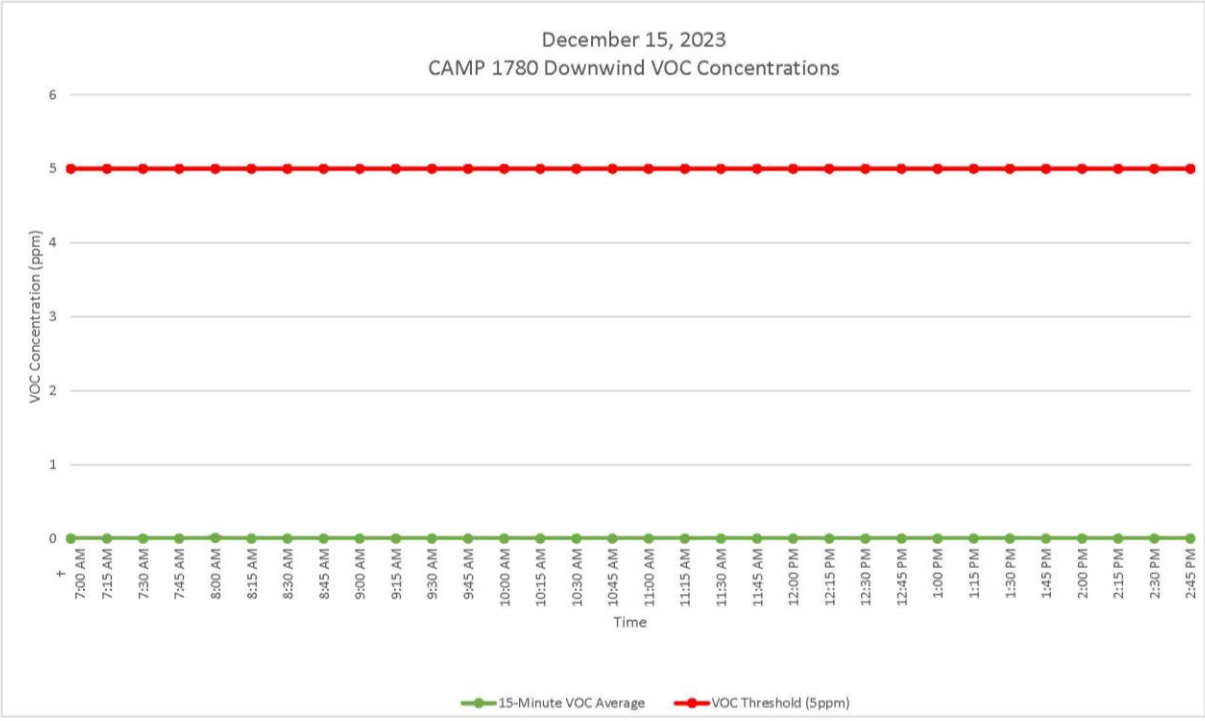


GZA DAILY FIELD SUMMARY 103

DATE: 12/15/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 103

DATE: 12/15/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 103

DATE: 12/15/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	26	621.12	51	1,269.85
TOTAL	**3**	**78.56**	**22**	**570.17**	**26**	**621.12**	**51**	**1,269.85**

GZA DAILY FIELD SUMMARY 104

DATE: 12/18/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Rain
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	55.26°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	48.03°F
		MAX WIND SPEED	36 mph from SSE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	1.68 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Monday, December 18, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 104

DATE: 12/18/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Monday – 12/18/2023

Work Location (Attachment A): Grids B2.

1. J&A did not perform ground intrusive work due to the severe weather; work was cancelled due to inclement weather.
2. J&A performed dewatering in grid A3. A total of 2414.00 gallons of groundwater was generated and treated by 10:30AM.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Downwind, 1780– Upwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.46 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 17.29 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no vapor or particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 104

DATE: 12/18/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

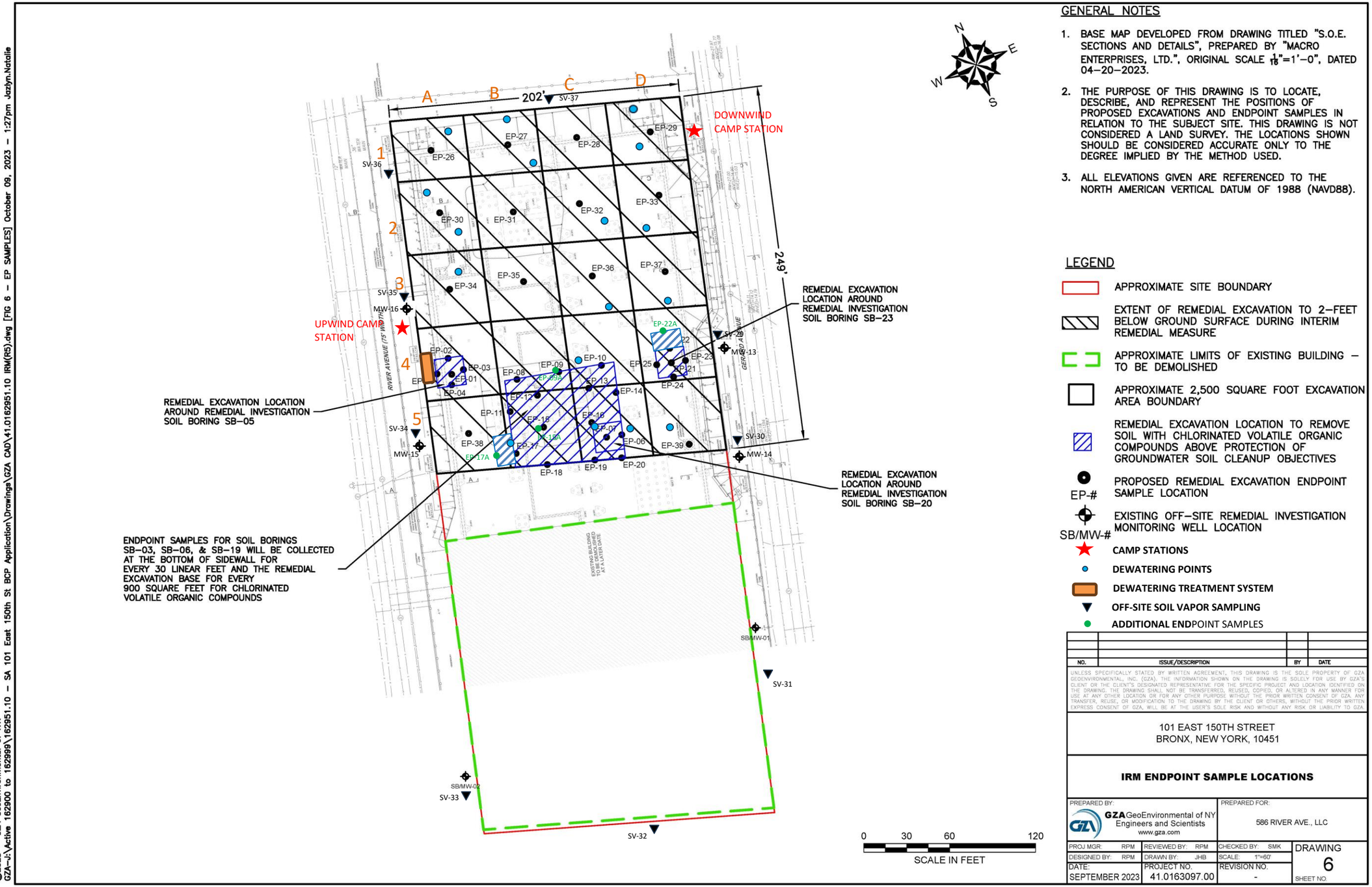
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	2414.00
Previous	1,762,466.10
Total	**1,764,880.10**

GZA DAILY FIELD SUMMARY 104

DATE: 12/18/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

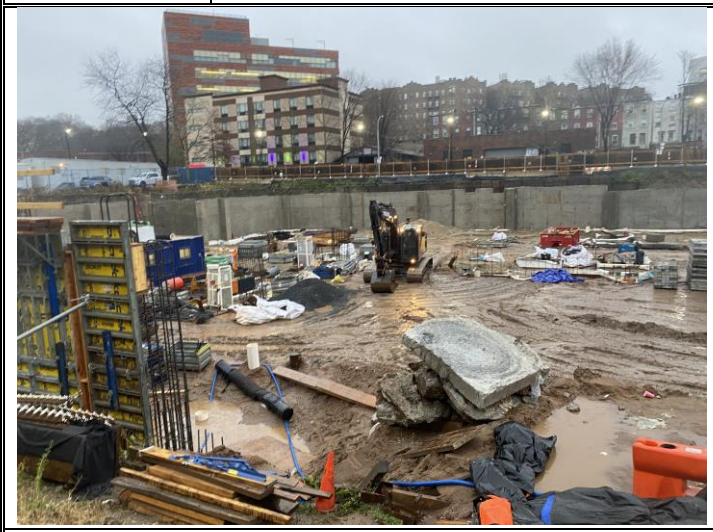
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 104

DATE: 12/18/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Southeast
			
Description: Overview of Site at the beginning of the day.		**Description:** Overview of Site at the beginning of the day.	
Photo No. 3	**Direction Photo Taken:** West	**Photo No.** 4	**Direction Photo Taken** Southwest
Description: Dewatering partially continued at the Site.		**Description:** Overview of Site at the end of day.	

GZA DAILY FIELD SUMMARY 104

DATE: 12/18/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 18, 2023	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

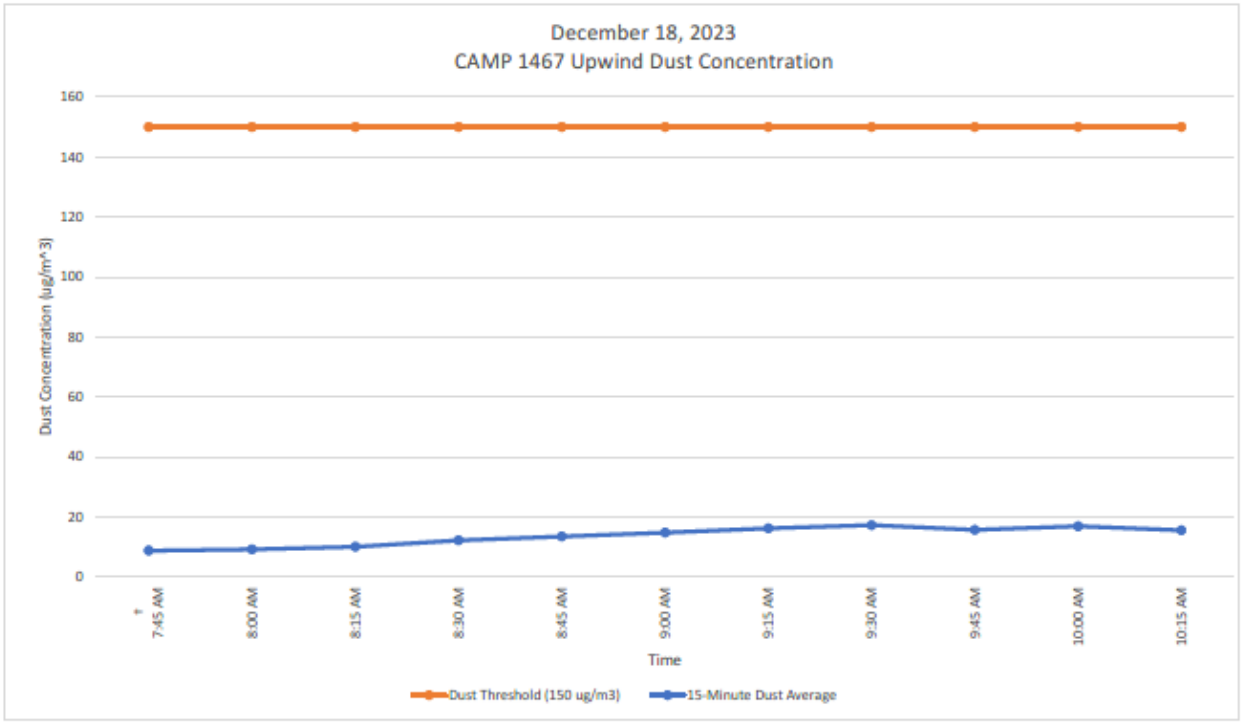
PID 1: 0.00
PID 2: 0.00

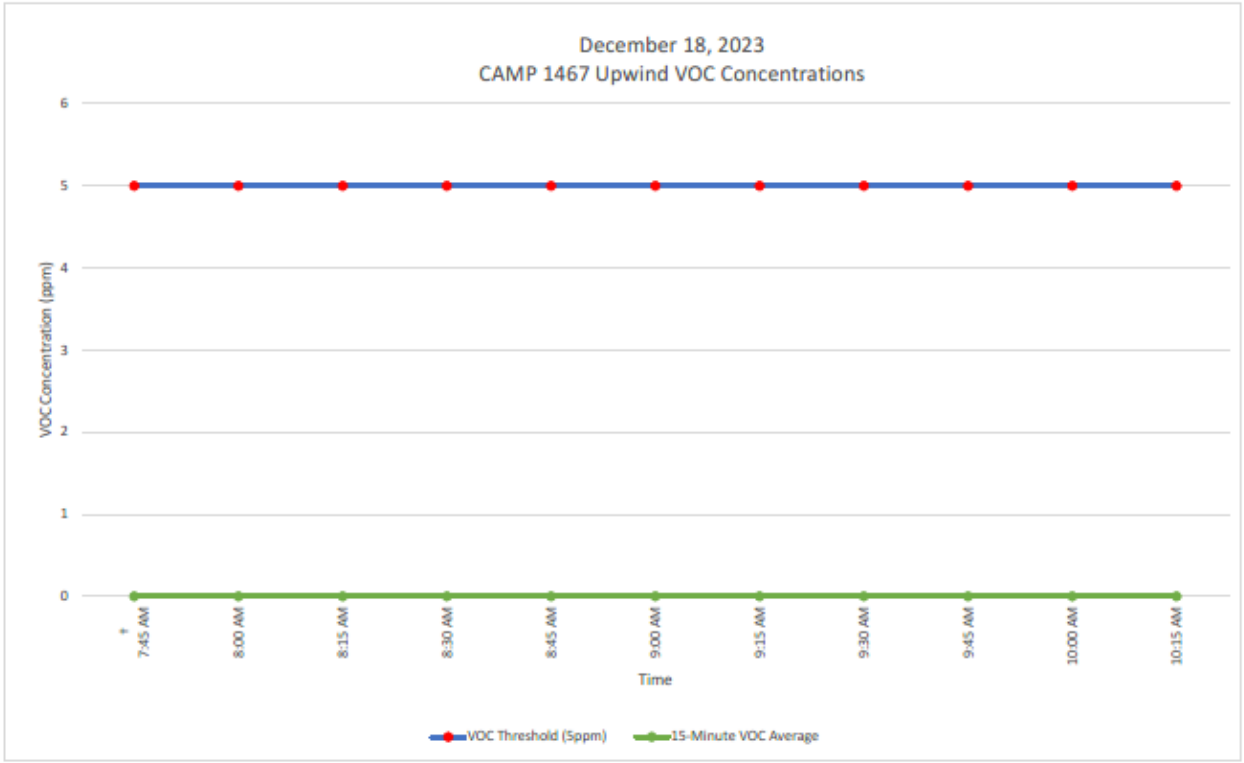
Data Ram 1: 8.83
Data Ram 2: 9.46

GZA DAILY FIELD SUMMARY 104

DATE: 12/18/2023

FILE NO: 41.0163097.00

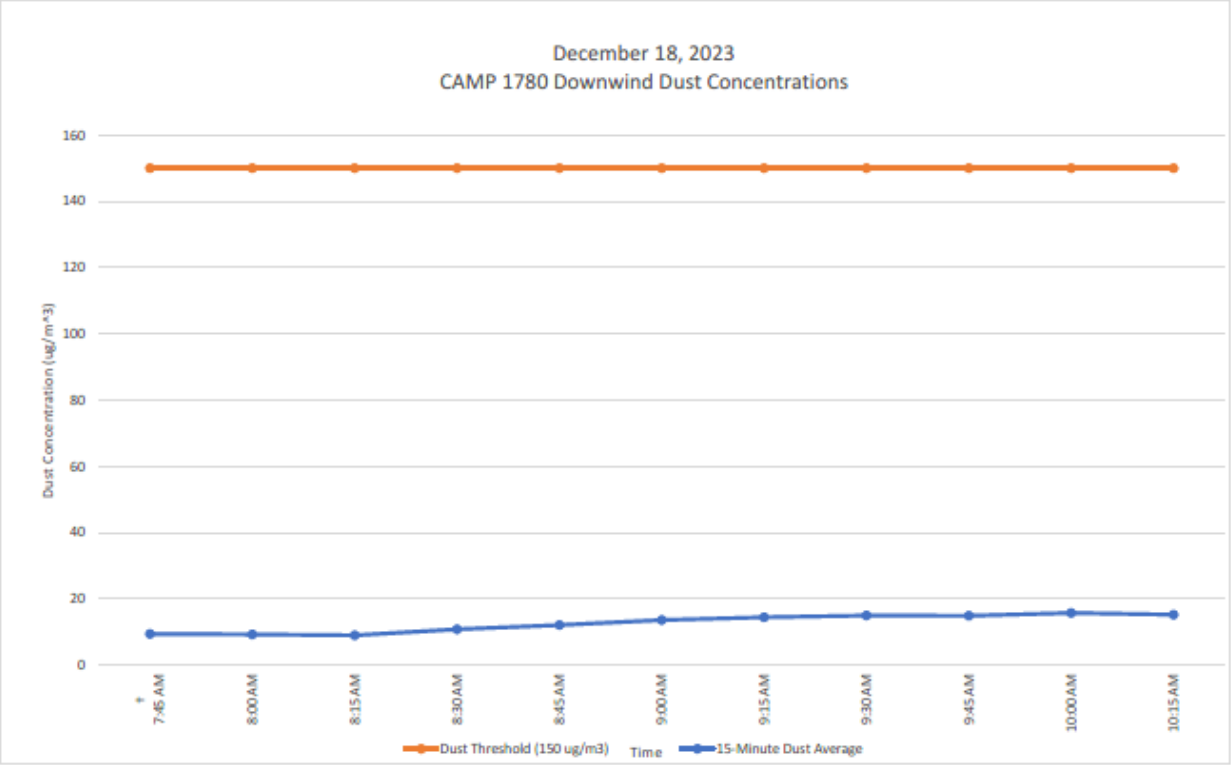


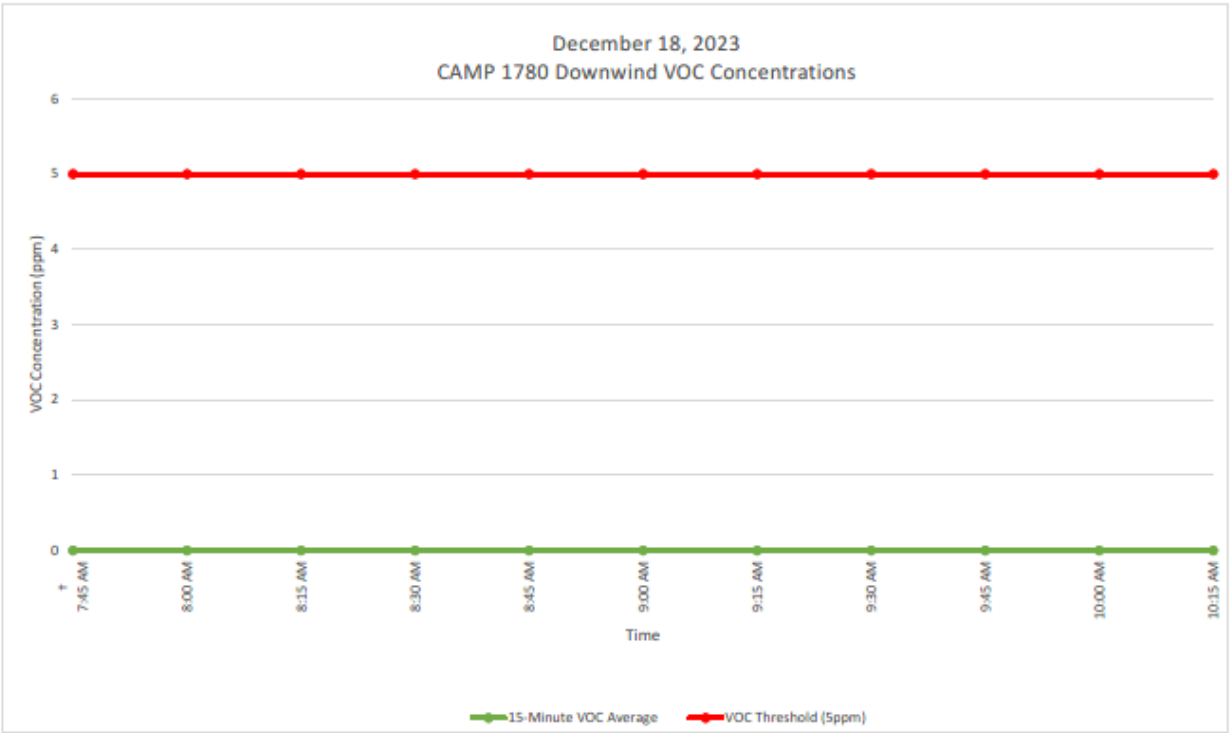


GZA DAILY FIELD SUMMARY 104

DATE: 12/18/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 104

DATE: 12/18/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 104

DATE: 12/18/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	22	570.17	26	621.12	51	1,269.85
TOTAL	**3**	**78.56**	**22**	**570.17**	**26**	**621.12**	**51**	**1,269.85**

GZA DAILY FIELD SUMMARY 105

DATE: 12/19/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Rain
PREPARED BY:	Mark Frey (GZA)	**AVE. TEMPERATURE**	55.26°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	48.03°F
		MAX WIND SPEED	36 mph from SSE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	1.68 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, December 19, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Mark Frey	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 105

DATE: 12/19/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 12/19/2023

Work Location (Attachment A): Grids A2, A3, C2, C5, D1, D2, D4.

1. J&A installed foundation insulation over HYDRODUCT 220 Drainage Composite and BITUTHENE System 4000 waterproofing/vapor barrier in the eastern section of the exterior foundation wall in grids D1, D2 and, D4.
2. J&A continued grading the area behind the eastern exterior foundation wall in grids D1, D2, and D4.
3. J&A performed dewatering in grid A2, A3, C2, and C5. A total of 2894.00 gallons of groundwater was generated and treated for the day.
4. Minor Excavation was performed in grid A2, and A3 for the installation of a new form box.
5. Three truckloads or 77.29 tons of gas permeable aggregate from Tilcon New York, Inc. were delivered by Shamrock Materials, LLC and stockpile at Grids A2 and B2.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 3.63 ppm, Particulates: 10.637 ug/m^3
High Conditions – PID: 6.41 ppm, Particulates: 12.04 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no particulate exceedances noted during this monitoring period. One VOC exceedance was noted at the due to calibration of the equipment at the beginning of the day. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- 77.29 tons of gas permeable aggregate were imported from Tilcon New York, Inc. during this monitoring period.

GZA DAILY FIELD SUMMARY 105

DATE: 12/19/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

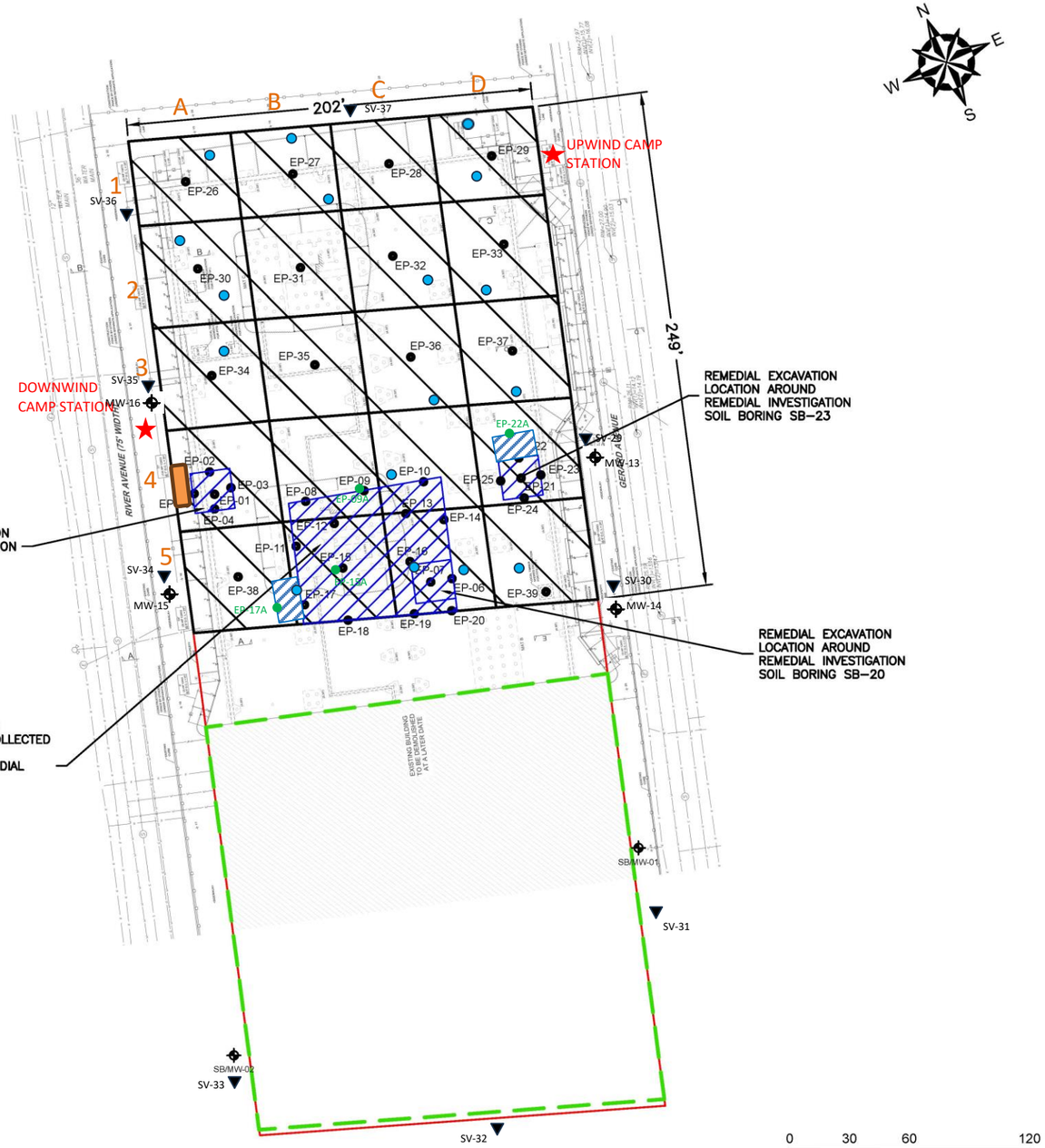
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	2894.00
Previous	1,764,880.10
Total	**1,767,774.10**

GZA DAILY FIELD SUMMARY 105

DATE: 12/19/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

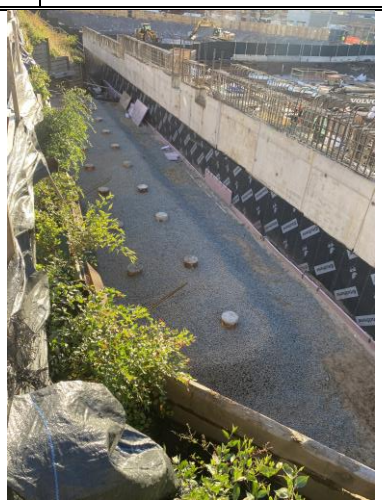
PREPARED BY:			PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com			586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM		CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB		SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00		REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 105

DATE: 12/19/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: Overview of Site at the beginning of the day.		**Description:** Excavator backfilling the area behind the eastern wall.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No.** 4	**Direction Photo Taken** East
			
Description: Gas permeable aggregate placed behind the eastern wall.		**Description:** Overview of Site at the end of day.	

GZA DAILY FIELD SUMMARY 105

DATE: 12/19/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 19, 2023	Sampling Technician: Mark Frey
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

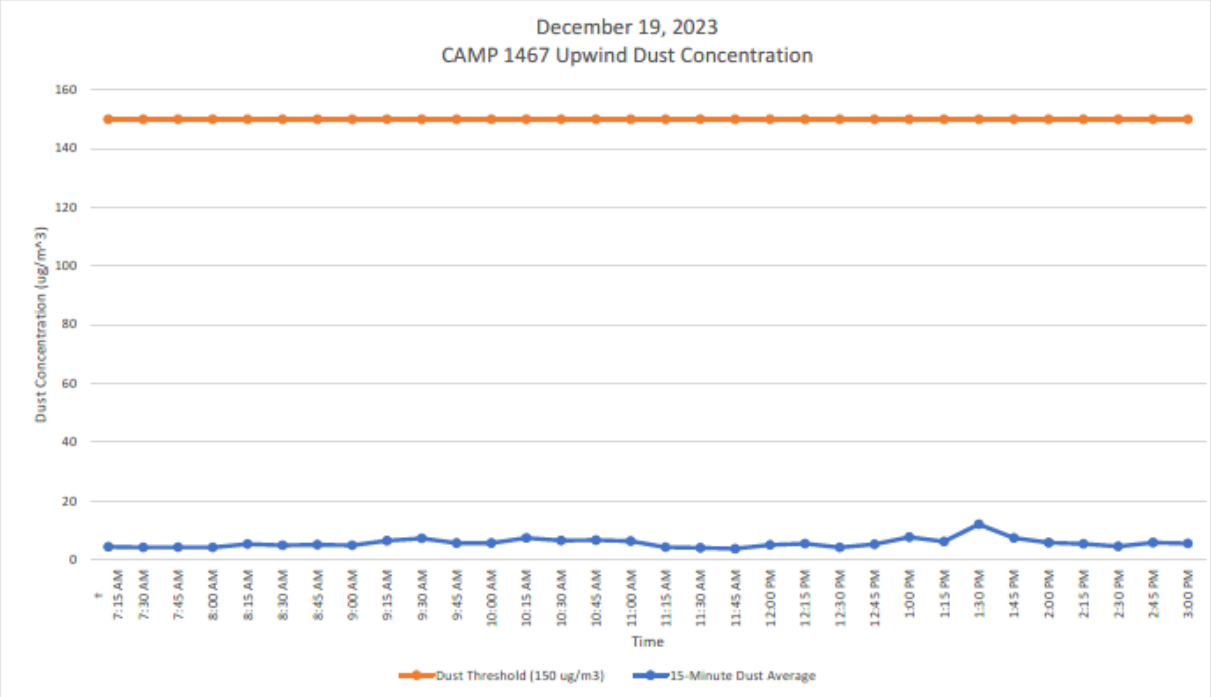
Background Readings:
PID 1: 0.00
PID 2: 0.00

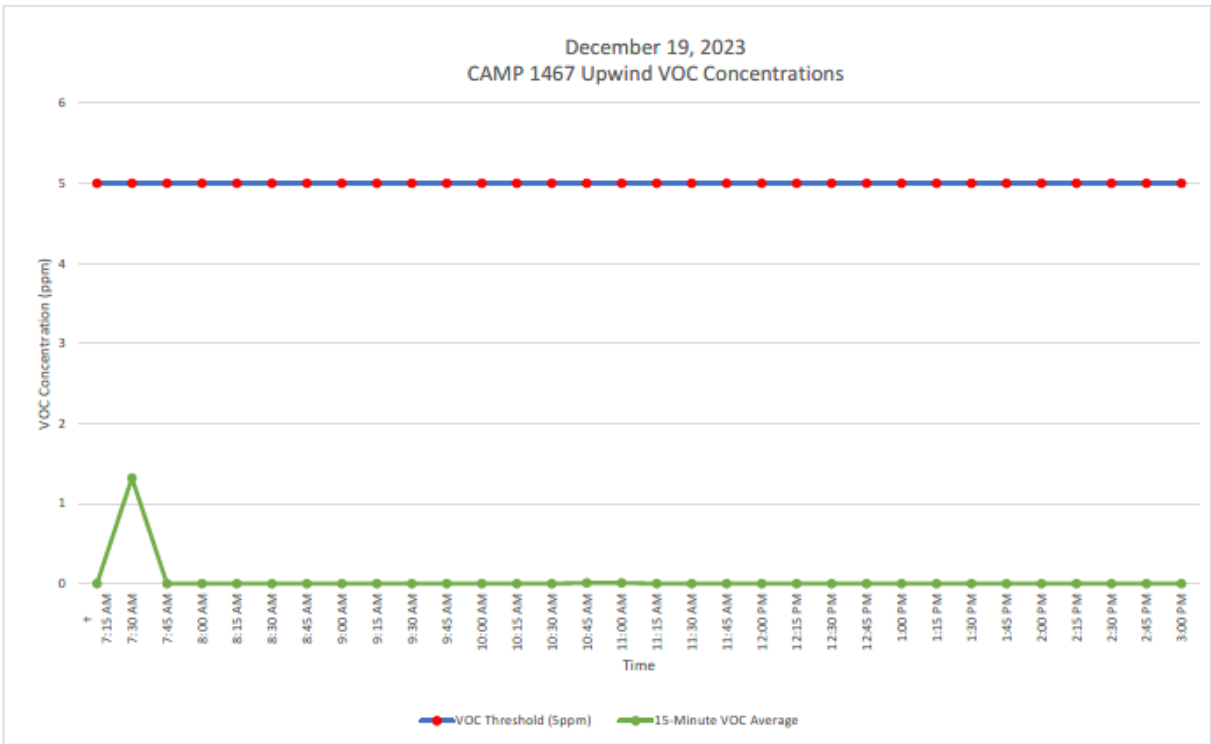
Data Ram 1: 4.34
Data Ram 2: 10.64

GZA DAILY FIELD SUMMARY 105

DATE: 12/19/2023

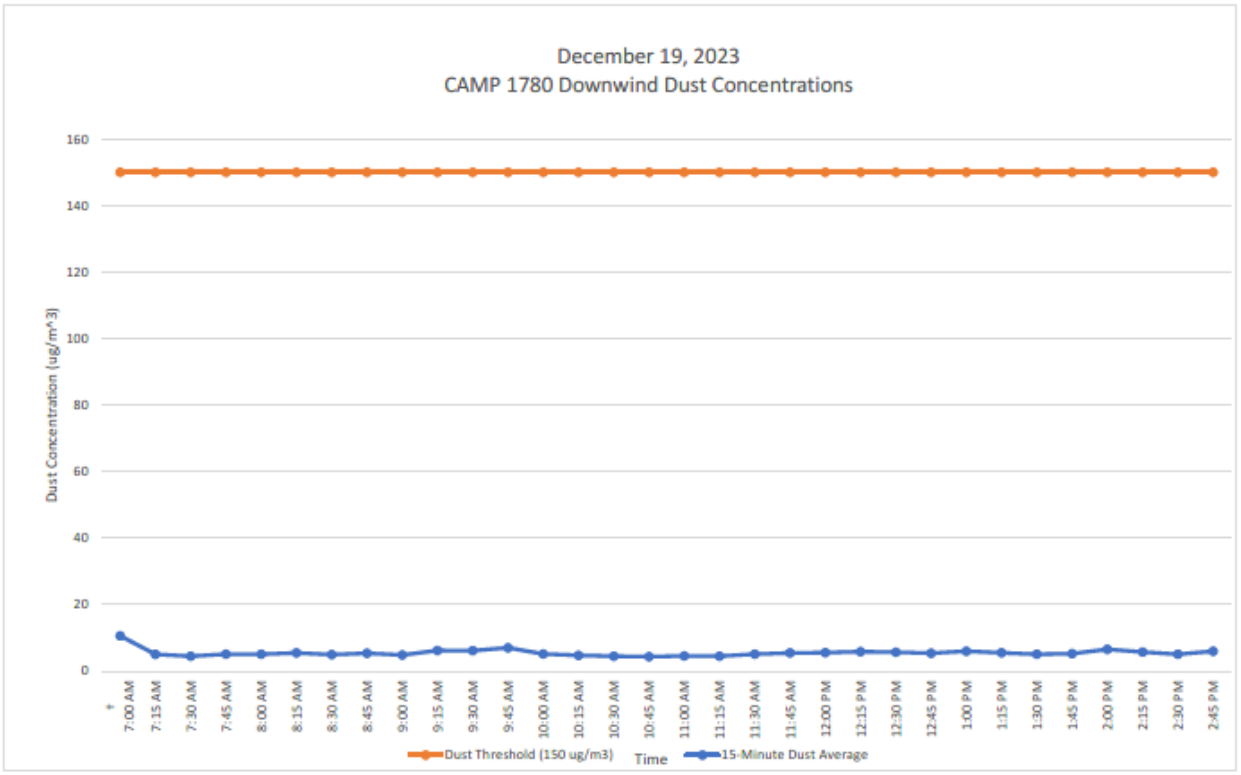
FILE NO: 41.0163097.00

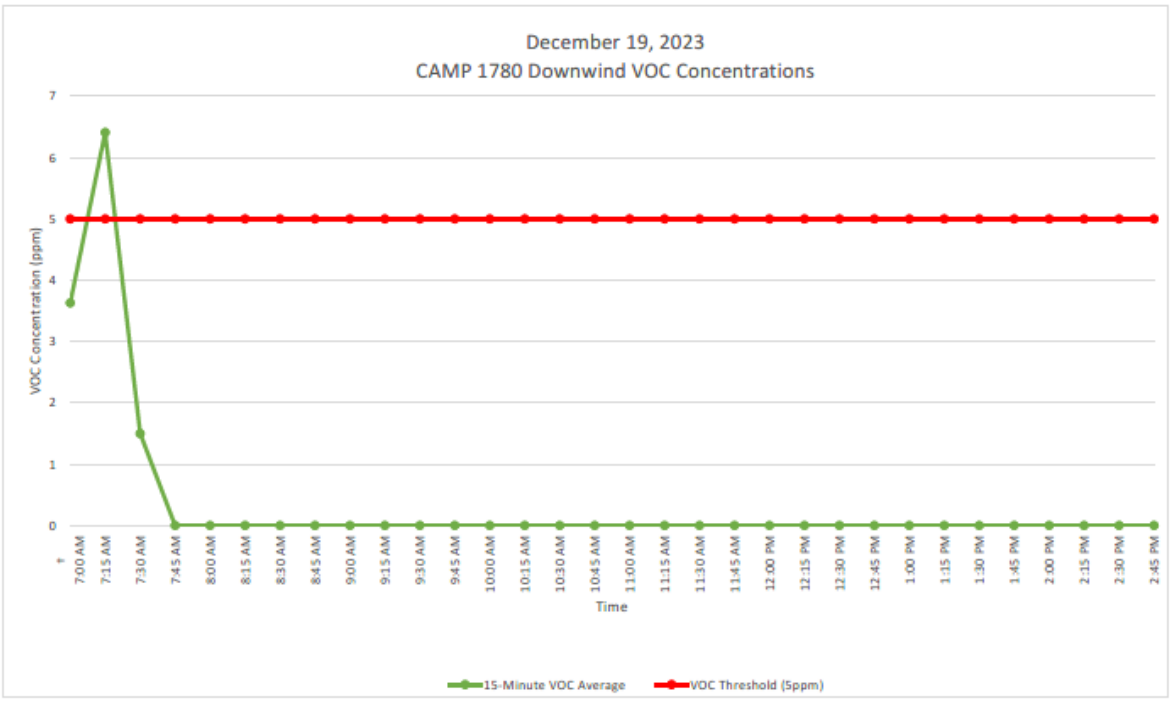




GZA DAILY FIELD SUMMARY 105

DATE: 12/19/2023
FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 105

DATE: 12/19/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 105

DATE: 12/19/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	3	77.29	0	0	3	77.29
Previous	3	78.56	22	570.17	26	621.12	51	1,269.85
TOTAL	**3**	**78.56**	**25**	**647.46**	**26**	**621.12**	**54**	**1,347.14**

GZA DAILY FIELD SUMMARY 106

DATE: 12/20/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Rain
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	35.81°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	18.88°F
		MAX WIND SPEED	15 mph from NW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, December 20, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**DBI Projects**	
	Danielle Elbaum	
	Success Academy	
	Richard Gladstone	

GZA DAILY FIELD SUMMARY 106

DATE: 12/20/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 12/20/2023

Work Location (Attachment A): Grids A2, A3, B3, D1, D2, and D4.

1. J&A continued grading the area behind the eastern exterior foundation wall in grids D1, D2, and D4.
2. J&A installed formwork in grids D1 and D2 for a ConEd vault.
3. J&A installed formwork in grid A2 for a sewage ejector pit and spread gas permeable aggregates within the formwork.
4. J&A performed dewatering in grids A2 and A3. A total of 32,074.00 gallons of groundwater was generated and treated for the day.
5. Three truckloads of gas permeable aggregates from Tilcon New York, Inc. were delivered by Shamrock Materials, LLC and stockpiled in grid B3.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 10.57 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 8.04 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no particulate exceedances noted during this monitoring period. One VOC exceedance was noted at the due to calibration of the equipment at the beginning of the day. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- 3 truckloads (77.31 tons) of gas permeable aggregates from Tilcon New York, Inc. were delivered onsite during this monitoring period.

GZA DAILY FIELD SUMMARY 106

DATE: 12/20/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

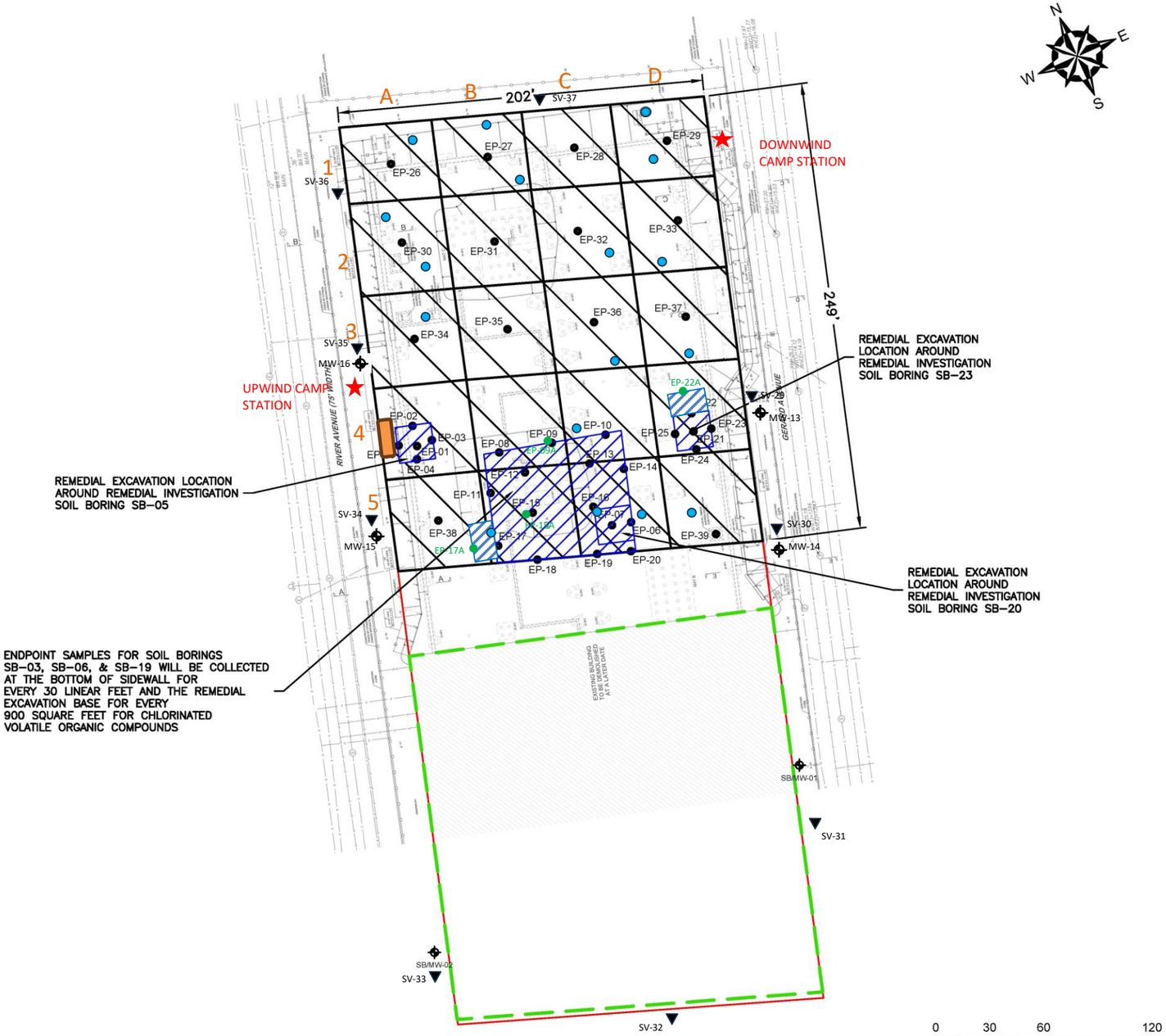
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	32,074.00
Previous	1,767,774.10
Total	**1,799,848.10**

GZA DAILY FIELD SUMMARY 106

DATE: 12/20/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\A-i\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 106

DATE: 12/20/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	Direction Photo Taken: Northwest	Photo No. 2	Direction Photo Taken Northwest
Description: Gas permeable aggregates delivered to grid B3.		**Description:** Formwork installed in grids D1 and D2 for a ConEd vault.	
Photo No. 3	**Direction Photo Taken:** Northwest	**Photo No. 4**	**Direction Photo Taken** Northeast
Description: Formwork in grid A2 for a sewage ejector pit.		**Description:** Overview of Site at the end of day.	

GZA DAILY FIELD SUMMARY 106

DATE: 12/20/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 20, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:
1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

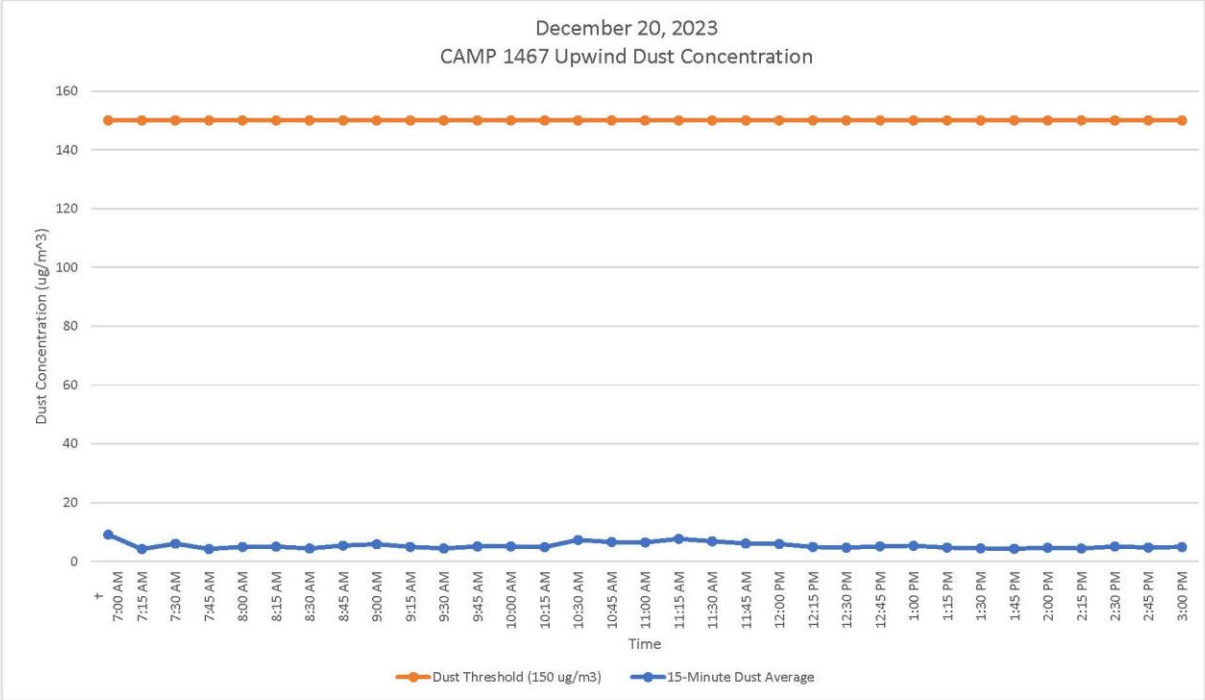
PID 1: 0.00
PID 2: 0.00

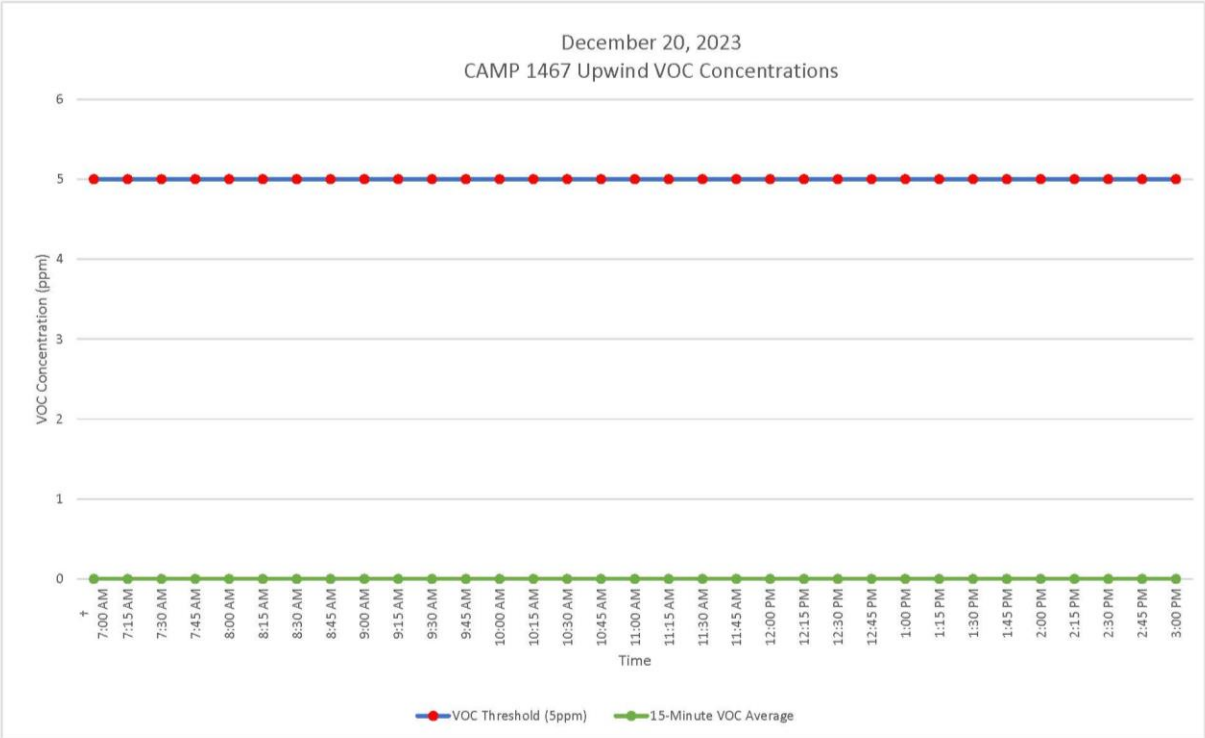
Data Ram 1: 9.11
Data Ram 2: 10.57

GZA DAILY FIELD SUMMARY 106

DATE: 12/20/2023

FILE NO: 41.0163097.00

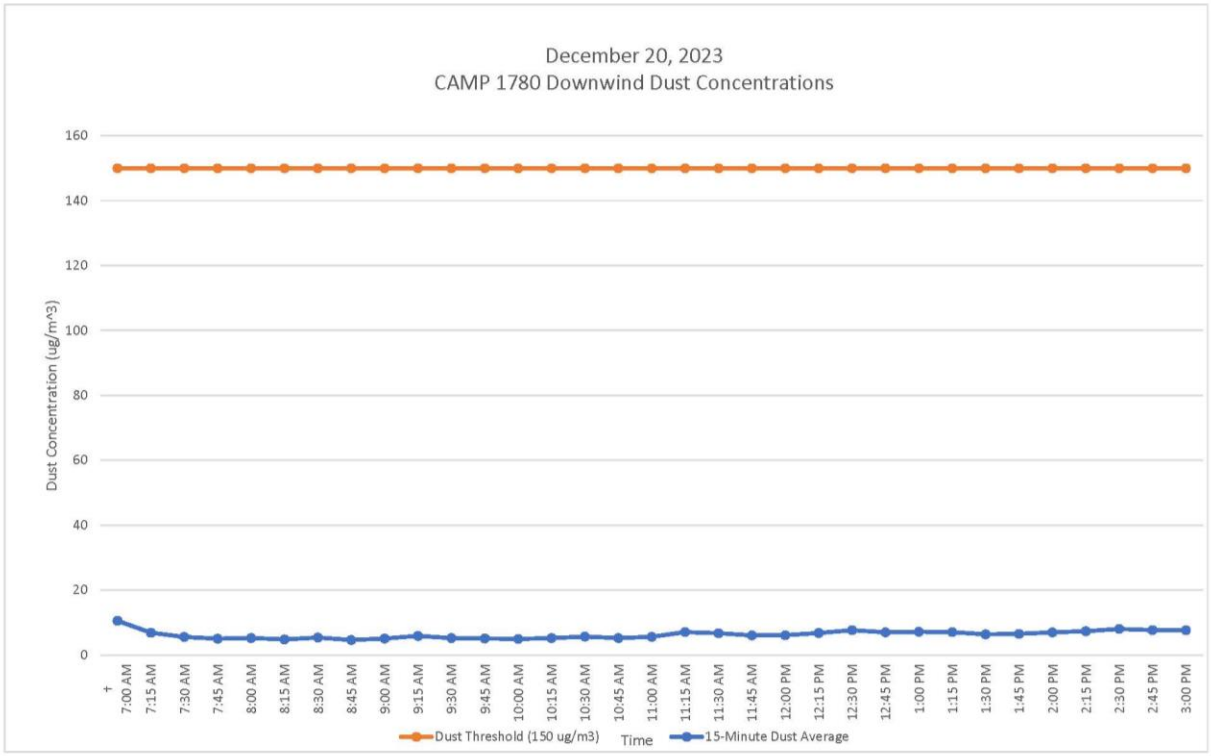


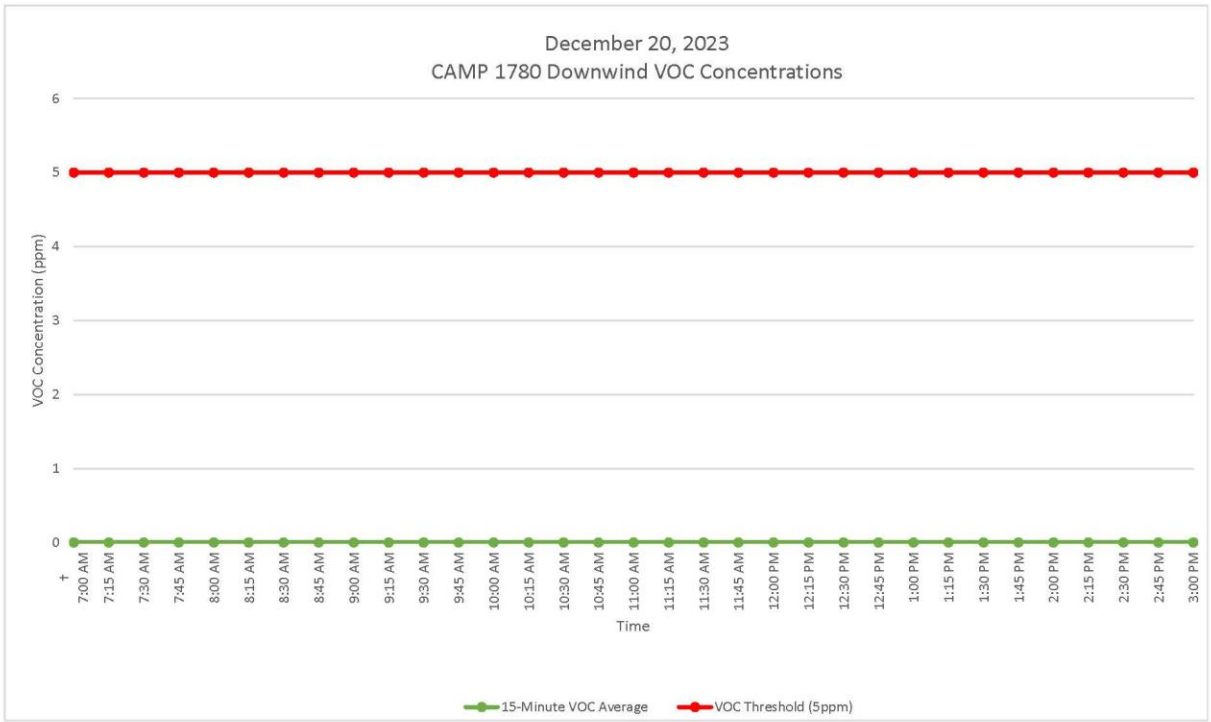


GZA DAILY FIELD SUMMARY 106

DATE: 12/20/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 106

DATE: 12/20/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**455**	**9,100**	**1**	**20**	**529**	**10,580**

GZA DAILY FIELD SUMMARY 106

DATE: 12/20/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	3	77.31	0	0	3	77.31
Previous	3	78.56	25	647.46	26	621.12	54	1,347.14
TOTAL	**3**	**78.56**	**28**	**724.77**	**26**	**621.12**	**57**	**1,424.45**

GZA DAILY FIELD SUMMARY 107

DATE: 12/21/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Clear Sunny
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	36.83°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	18.67°F
		MAX WIND SPEED	20 mph from NNW
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Thursday, December 21, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:	**GZA**	
	Reinbill Maniquez	

GZA DAILY FIELD SUMMARY 107

DATE: 12/21/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 12/21/2023

Work Location (Attachment A): Grids A2, A3, D2, D3, and D4.

1. J&A prepared remedial excavation area measuring approximately 30 feet x 20 feet in grid D4 for RegenOx application.
2. Loadout of soil from grids D4 (5-8 ft bgs). 1 truckload of soil (approximately 20 cubic yards) was transported to Clean Earth of Carteret, New Jersey.
3. J&A applied RegenOx according to REGENESIS application instructions (Activator Complex Part B followed by Chemical Oxidant A) in grid D4. RegenOx reagents were mixed with groundwater and the underlying substrate in accordance with manufacturer's specifications. Reinbill Maniquez, CHMM was onsite to observe and document the application.
4. J&A continued installing formwork in grids D2 and D3 for a ConEd vault.
5. Crown installed PREPRUFE 300R Plus waterproofing/vapor barrier in the sewage ejector pit in grid A2. Seams were sealed with PREPRUFE Tape LT to prevent gaps.
6. J&A installed rebar over waterproofing/vapor barrier in grid A2.
7. J&A performed dewatering in grids A2 and A3. A total of 25,534.00 gallons of groundwater was generated and treated for the day.

J&A performed clearing of construction and demolition (C&D) debris in the southern portion of the Site after the demolition of the building in preparation for future work.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 9.83 ug/m^3
High Conditions – PID: 0.00 ppm, Particulates: 12.95 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.
There were no particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

GZA DAILY FIELD SUMMARY 107

DATE: 12/21/2023
FILE NO: 41.0163097.00

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- One (1) truckload of excavated materials were transported to Clean Earth of Carteret, NJ.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

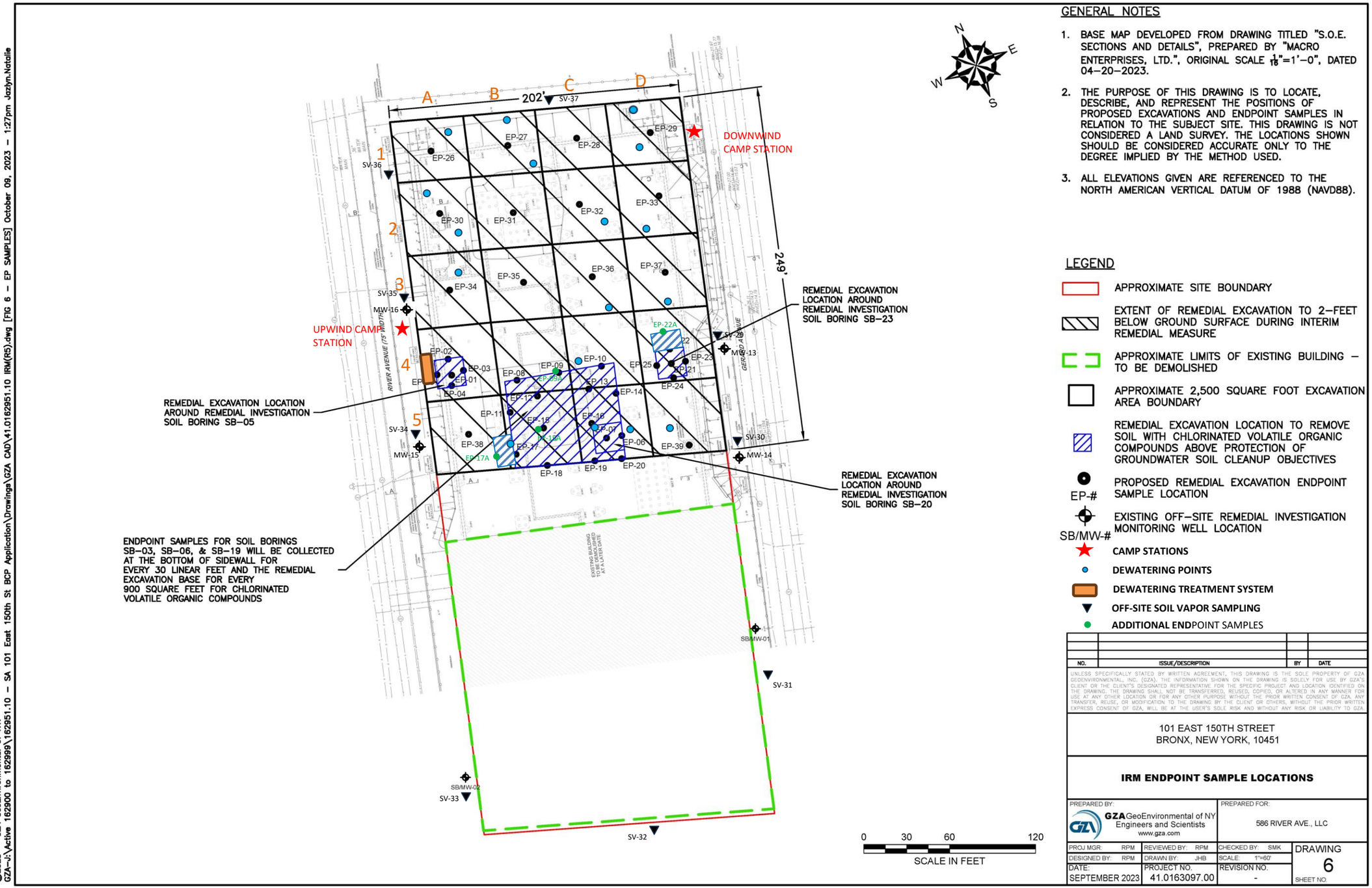
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	25,534.00
Previous	1,799,848.10
Total	**1,825,382.10**

GZA DAILY FIELD SUMMARY 107

DATE: 12/21/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 107

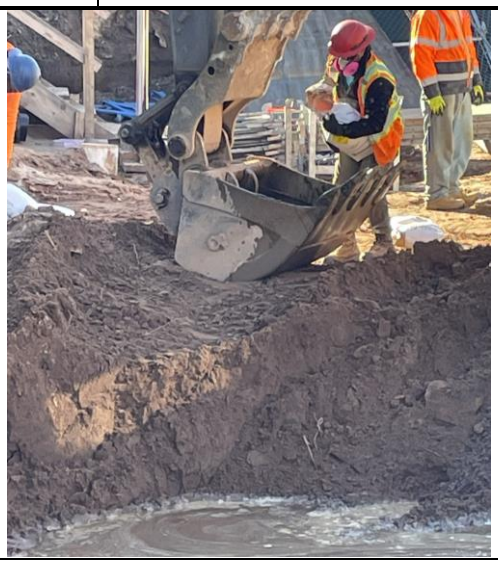
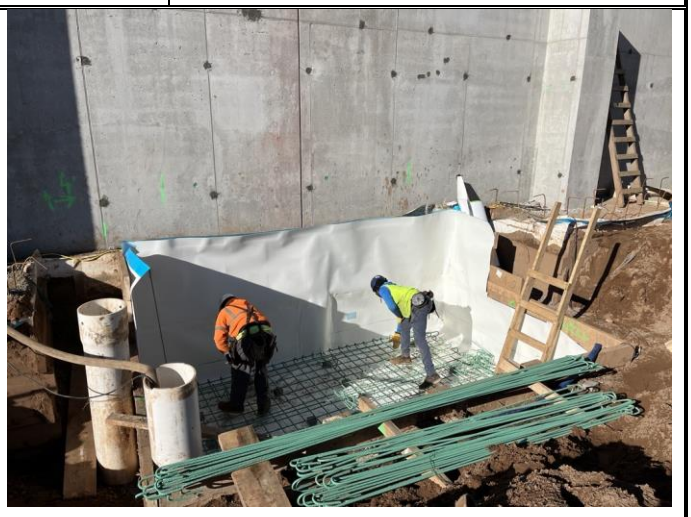
DATE: 12/21/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** Northeast
Description: J&A loading Munoz truck with soil for transport to Clean Earth of Carteret, NJ.		**Description:** Remedial excavation area in grid D4 (at EP-22 location) for RegenOx application.	
Photo No. 3	**Direction Photo Taken:** South	**Photo No.** 4	**Direction Photo Taken** South
Description: The RegenOx product was stored inside trailer based on manufacturer's specifications.		**Description:** RegenOx application (Activator Complex Part B) in grid D4.	

GZA DAILY FIELD SUMMARY 107

DATE: 12/21/2023
FILE NO: 41.0163097.00

Photo No. 3	**Direction Photo Taken:** North	**Photo No.** 4	**Direction Photo Taken** North
			
Description: Worker placing RegenOx in excavator bucket.		**Description:** RegenOx application (Chemical Oxidant A over Activator Complex Part B) in grid D4.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No.** 4	**Direction Photo Taken** Northeast
			
Description: RegenOx application area in grid D4, after the application and backfilling restoration.		**Description:** J&A installing rebar over vapor barrier in grid A2.	

GZA DAILY FIELD SUMMARY 107

DATE: 12/21/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 21, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

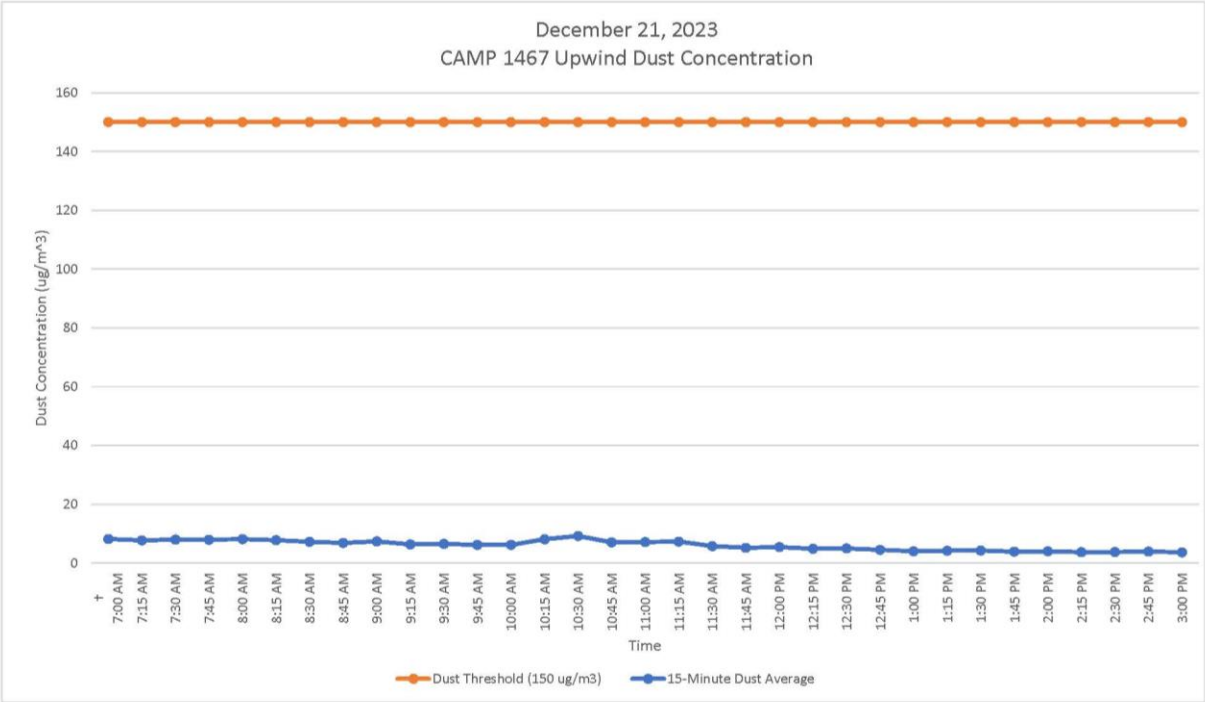
Background Readings:
PID 1: 0.00
PID 2: 0.00

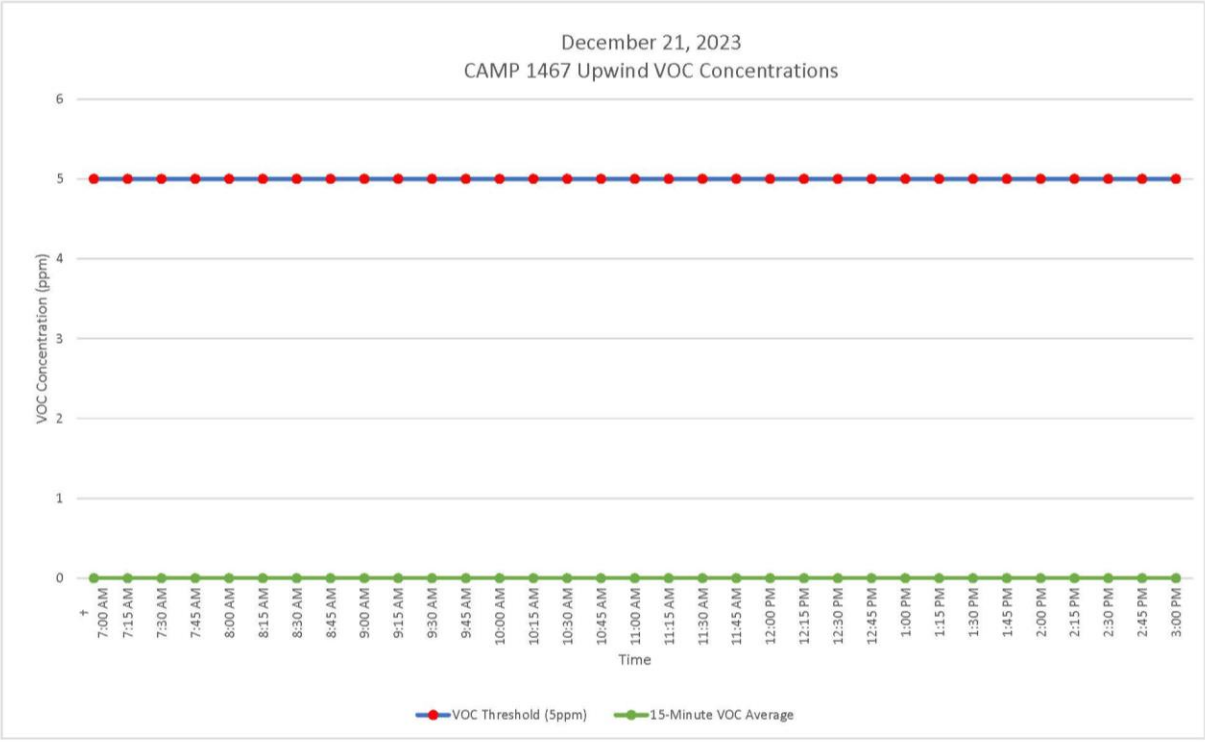
Data Ram 1: 8.20
Data Ram 2: 9.83

GZA DAILY FIELD SUMMARY 107

DATE: 12/21/2023

FILE NO: 41.0163097.00

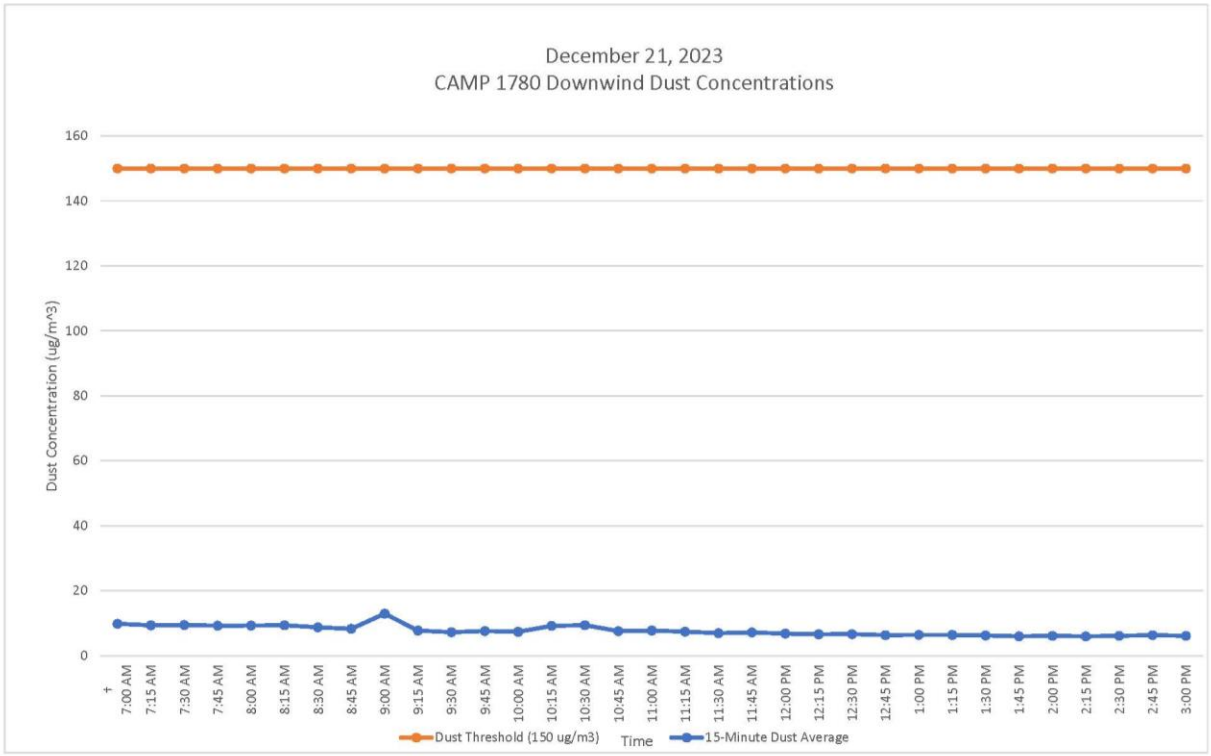


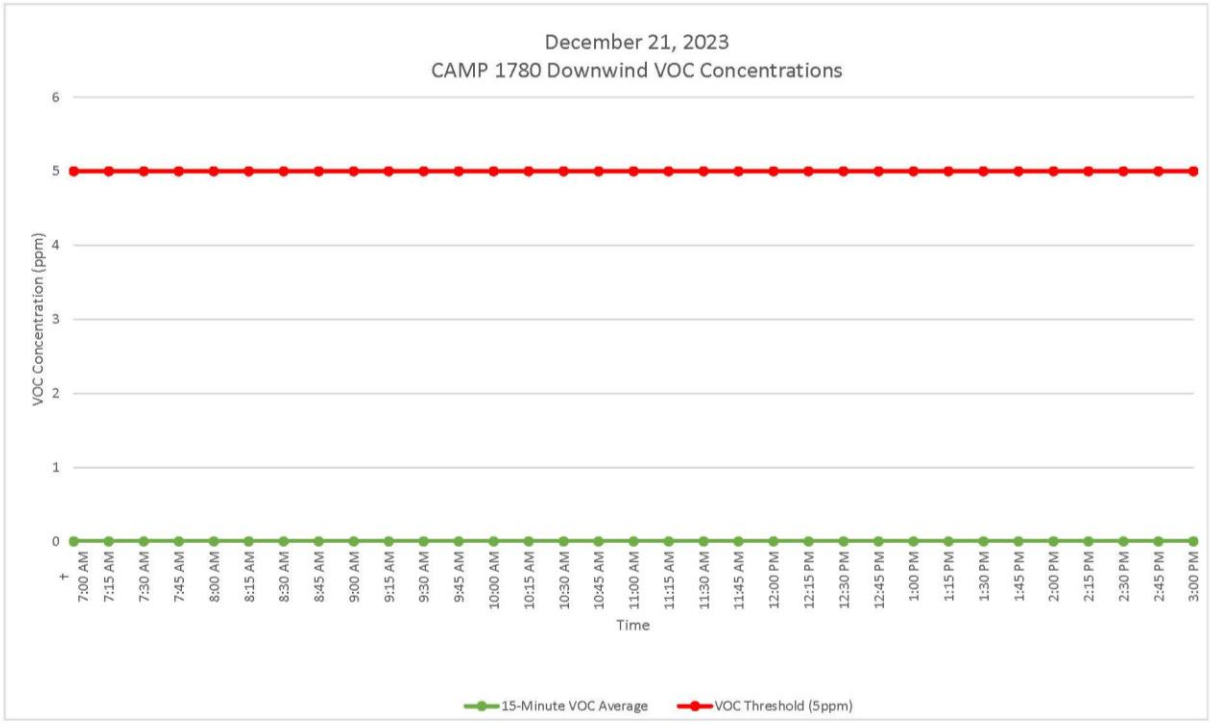


GZA DAILY FIELD SUMMARY 107

DATE: 12/21/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 107

DATE: 12/21/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	1	20	0	0	1	20
Previous	73	1,460	455	9,100	1	20	529	10,580
TOTAL	**73**	**1,460**	**456**	**9,120**	**1**	**20**	**530**	**10,600**

GZA DAILY FIELD SUMMARY 107

DATE: 12/21/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	28	724.77	26	621.12	57	1,424.45
TOTAL	**3**	**78.56**	**28**	**724.77**	**26**	**621.12**	**57**	**1,424.45**

GZA DAILY FIELD SUMMARY 108

DATE: 12/22/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mostly Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	29.86°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	11.07°F
		MAX WIND SPEED	10 mph from N
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, December 22, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:		
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 108

DATE: 12/22/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 12/22/2023

Work Location (Attachment A): Grids A2 and B5.

1. J&A poured concrete for the sewage ejector pit in grid A2.
2. J&A built timber formwork and stored in grid B5.
3. J&A performed dewatering in grids A2. A total of 24,329.00 gallons of groundwater was generated and treated for the day.
4. J&A concluded work at 11:00am in observance of the holiday.

J&A continued clearing construction and demolition (C&D) debris in the southern portion of the Site in preparation for future work.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1467– Upwind, 1780– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 7.85 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 13.87 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 108

DATE: 12/22/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

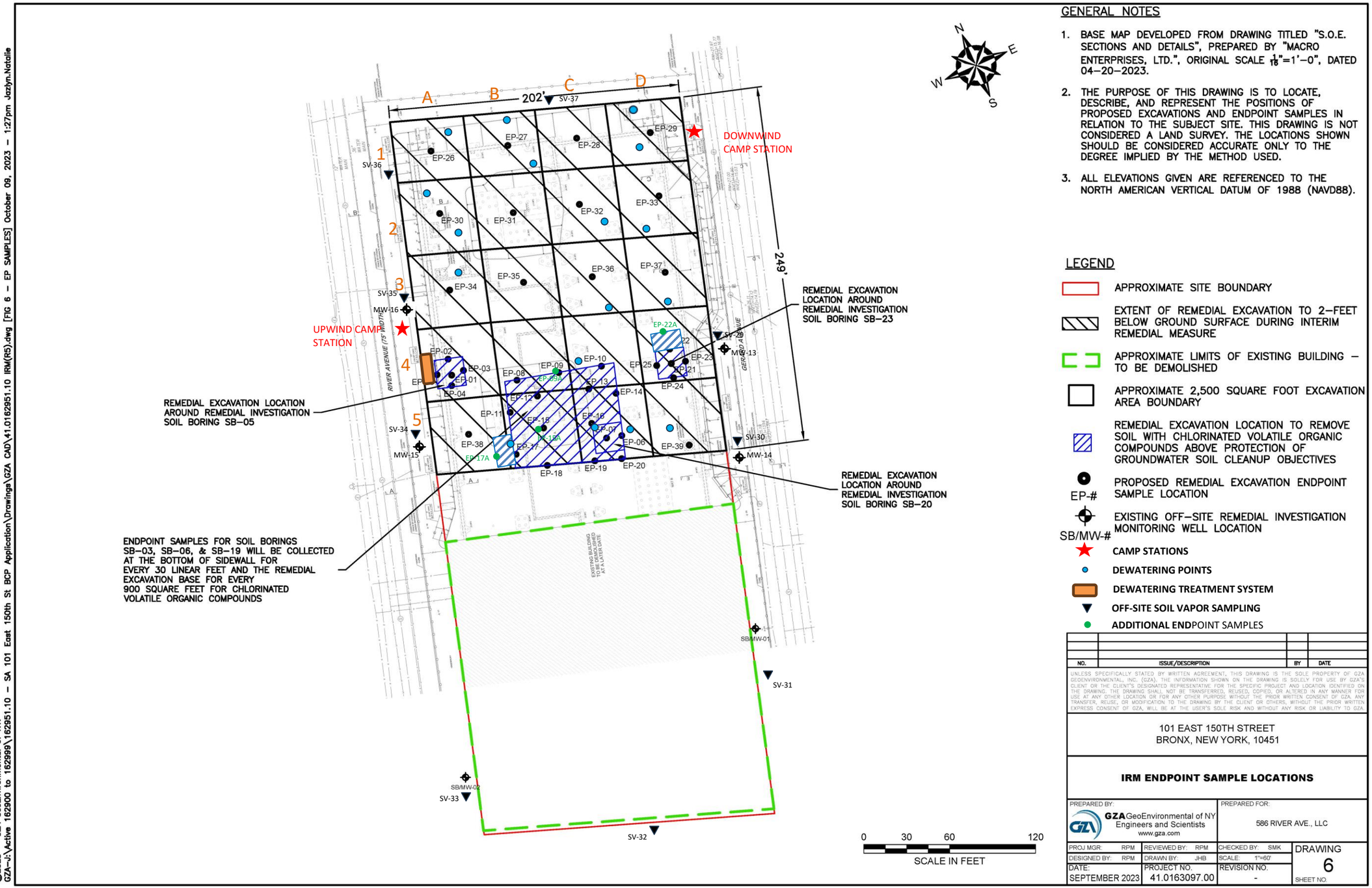
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	24,329.00
Previous	1,825,382.10
Total	**1,849,711.10**

GZA DAILY FIELD SUMMARY 108

DATE: 12/22/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

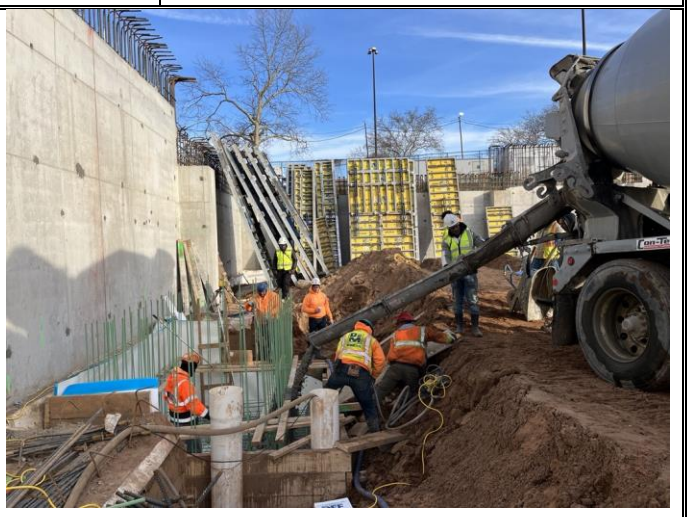
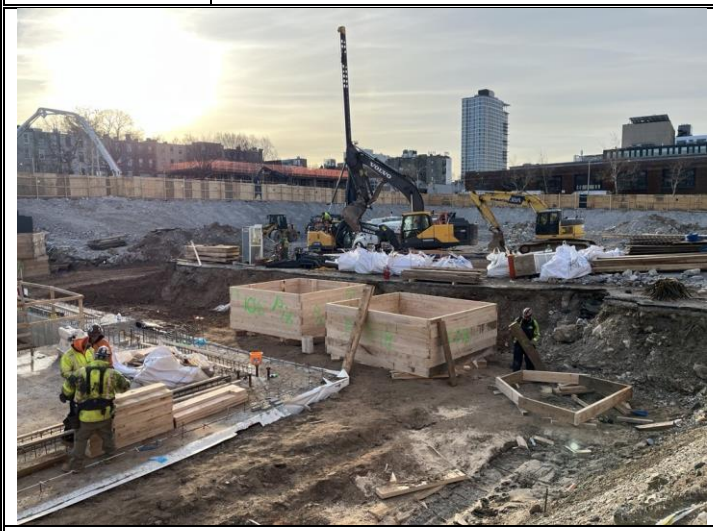
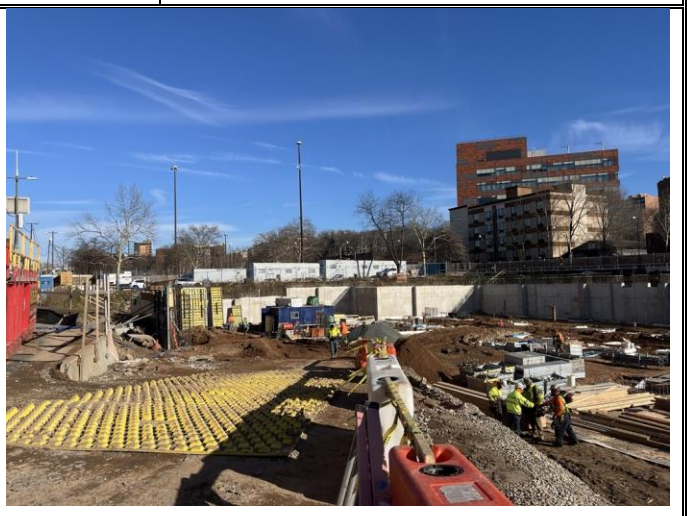
PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 108

DATE: 12/22/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southwest	**Photo No.** 2	**Direction Photo Taken** North
			
Description: J&A dewatering in grid A2.		**Description:** J&A pouring concrete for the sewage ejector pit in grid A2.	
Photo No. 3	**Direction Photo Taken:** Southeast	**Photo No.** 4	**Direction Photo Taken** Northeast
			
Description: J&A building timber formwork and storing in grid B5.		**Description:** Overview of Site at the end of day.	

GZA DAILY FIELD SUMMARY 108

DATE: 12/22/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 22, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1

Station 2

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

			Repair Needed: **Gas - 100 ppm**	
1	☐ YES	☐ NO	1 ☐ YES	☒ NO
2	☐ YES	☐ NO	2 ☐ YES	☒ NO
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Data Rams: **Zero**

1	☐ YES	☒ NO		
2	☐ YES	☒ NO		
Hand Held	☒ YES	☐ NO	Hand Held ☒ YES	☐ NO

Post-Shift Download:

PIDs: Instrument: Results/Comments:

1	☒ Data	☒ Avg	☐ Summary		
2	☒ Data	☒ Avg	☐ Summary		

Data Rams:

1	☒ Data
2	☒ Data

Weather Station: ☐ YES

Background Readings:

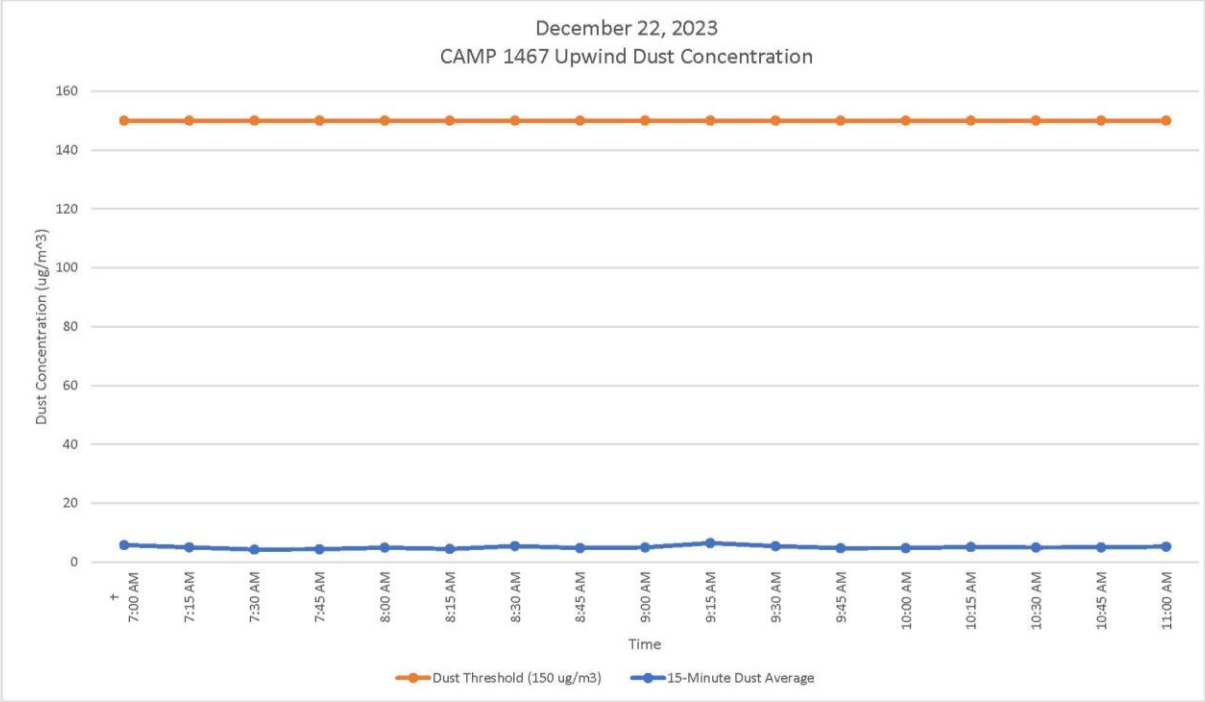
PID 1: 0.00
PID 2: 0.00

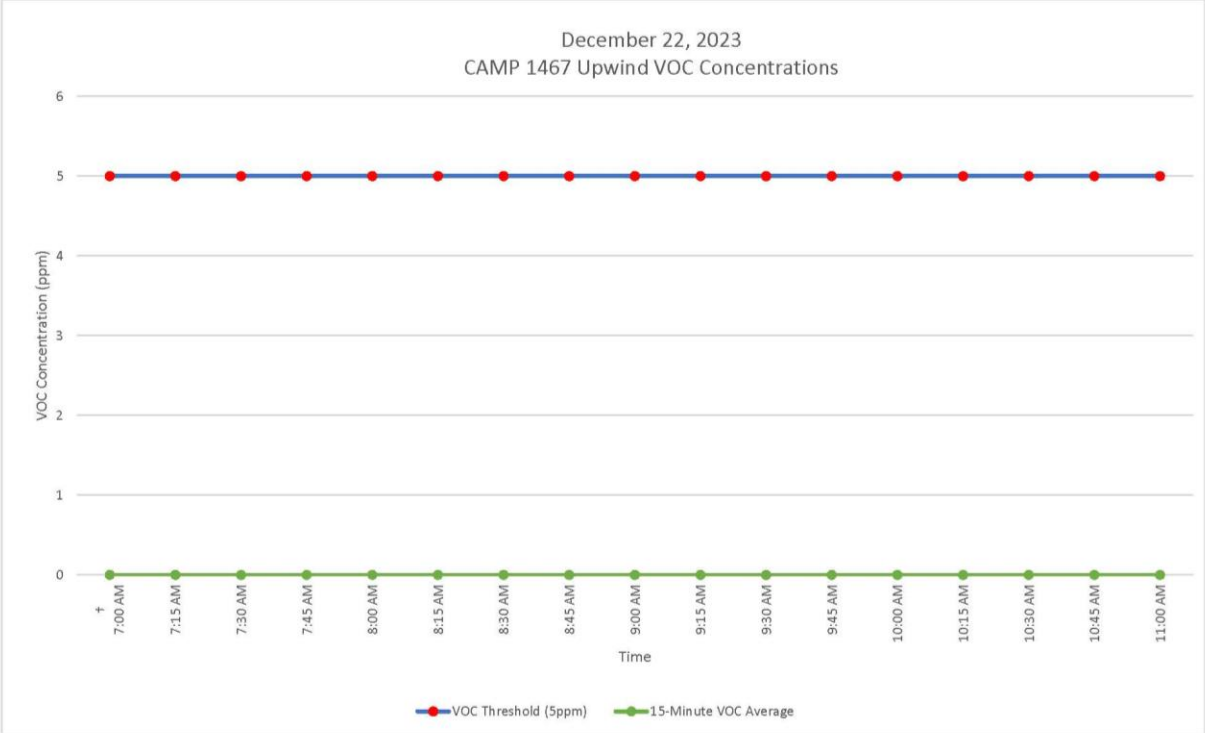
Data Ram 1: 5.79
Data Ram 2: 7.85

GZA DAILY FIELD SUMMARY 108

DATE: 12/22/2023

FILE NO: 41.0163097.00

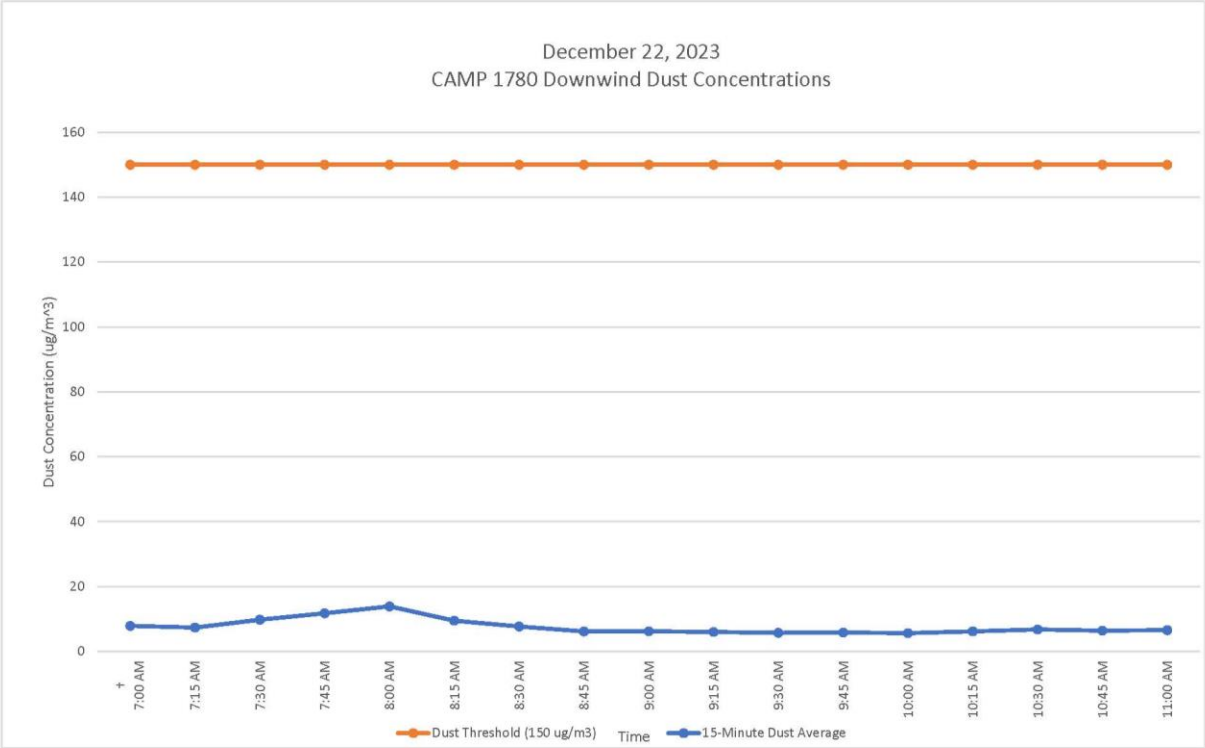


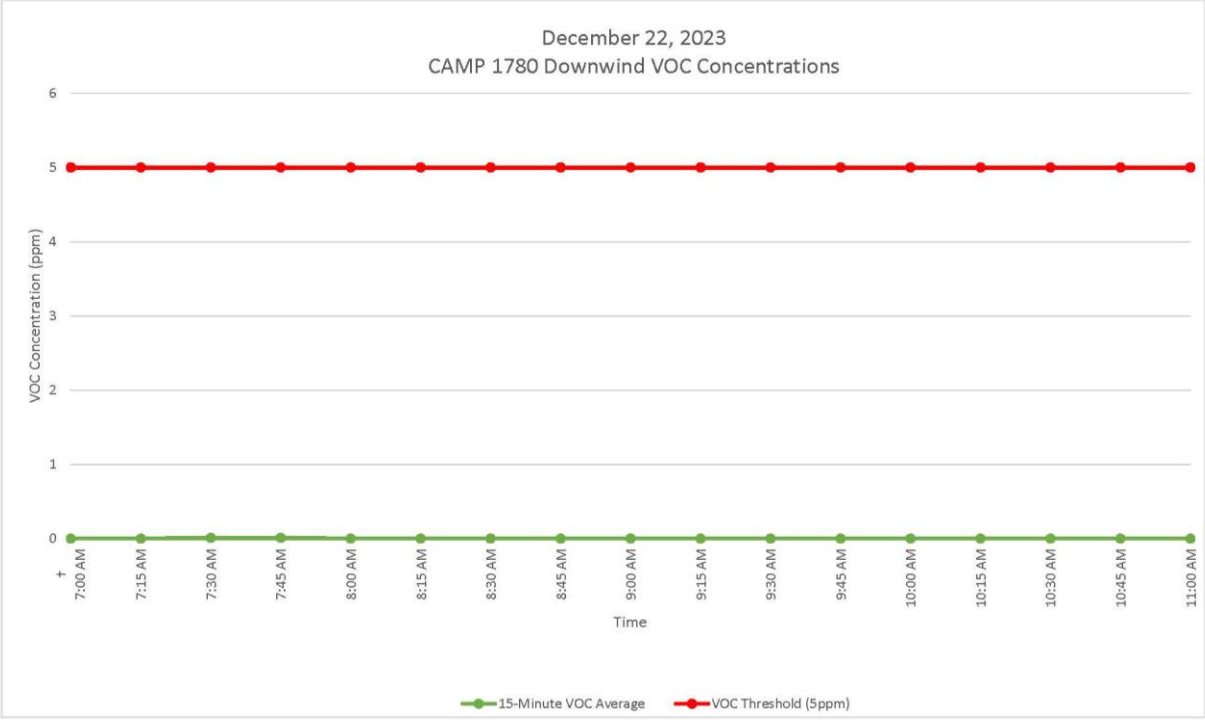


GZA DAILY FIELD SUMMARY 108

DATE: 12/22/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 108

DATE: 12/22/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	456	9,120	1	20	530	10,600
TOTAL	**73**	**1,460**	**456**	**9,120**	**1**	**20**	**530**	**10,600**

GZA DAILY FIELD SUMMARY 108

DATE: 12/22/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	28	724.77	26	621.12	57	1,424.45
TOTAL	**3**	**78.56**	**28**	**724.77**	**26**	**621.12**	**57**	**1,424.45**

GZA DAILY FIELD SUMMARY 109

DATE: 12/26/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Mist / Cloudy
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	44.88°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	41.92°F
		MAX WIND SPEED	7 mph from ENE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Tuesday, December 26, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**SRM Concrete**	
SITE VISITORS:	**LERA**	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 109

DATE: 12/26/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Tuesday – 12/26/2023

Work Location (Attachment A): Grids A2, A3, A4, B4, B5, C1, C5, D1, D4, and D5.

1. J&A excavated an area in grid A4 for pile cap, stockpiling in grids A4 and B4. Stockpiled soil was covered at the end of day.
2. J&A installed formwork for pile cap in grid A4 and spread gas permeable aggregates within the formwork.
3. J&A installed formwork and rebar and poured concrete for the sewage ejector pit in grid A2.
4. J&A graded backfill in grids C1 and D1 and south of Mat A in grids B5 and C5 with stockpiled soil.
5. Delivery of rebar, storing in grid D4.
6. J&A built timber formwork, storing in grid B5.
7. J&A performed dewatering in grids A2 and A3. A total of 15,781.00 gallons of groundwater was generated and treated for the day.

Soil Solutions installed test piles in the southern portion of the Site as part of the geotechnical investigation. MRCE was onsite for the installation.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 43.17 ug/m^3
High Conditions – PID: 2.99 ppm, Particulates: 48.96 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

GZA DAILY FIELD SUMMARY 109

DATE: 12/26/2023
FILE NO: 41.0163097.00

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

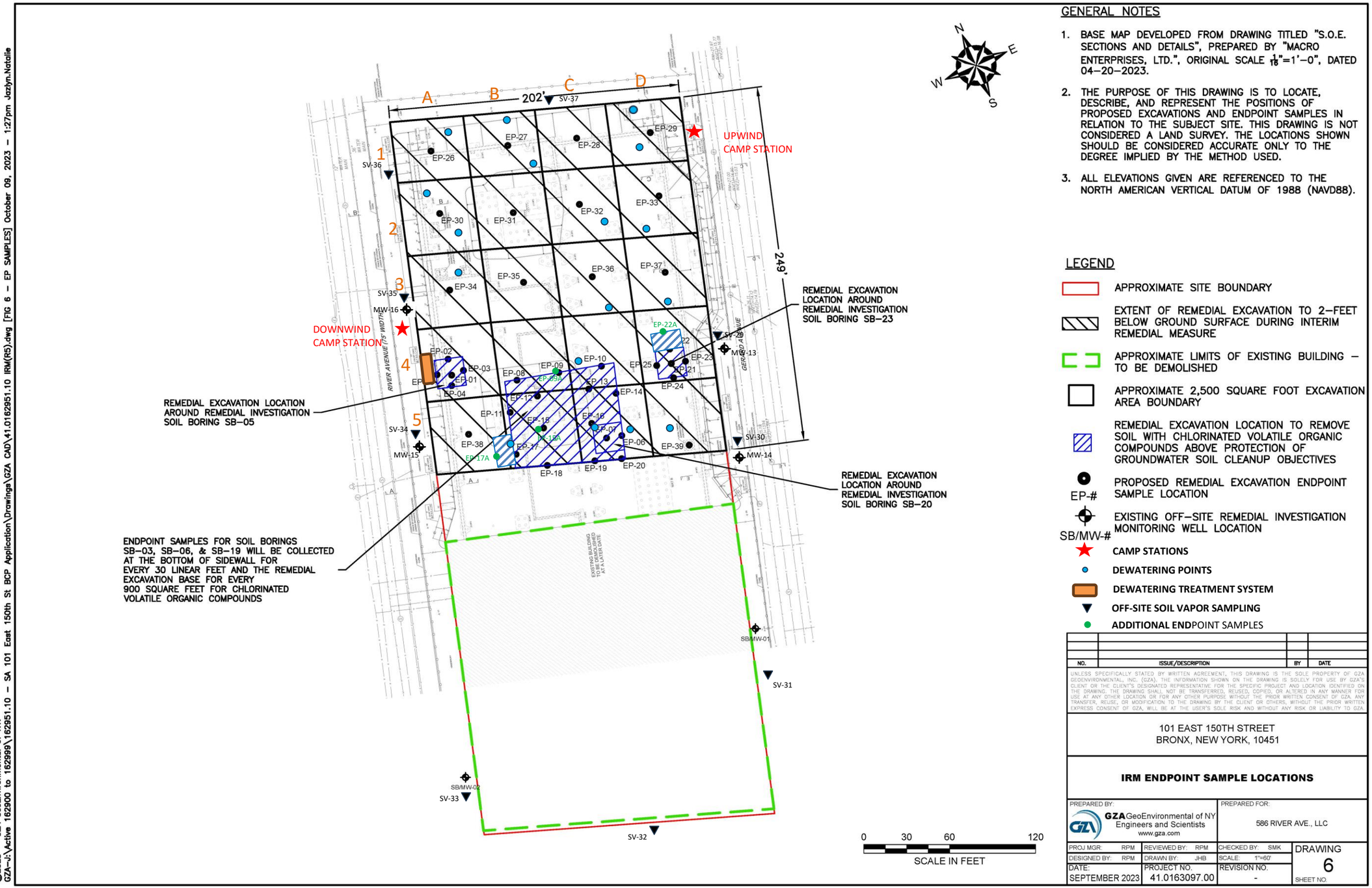
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	15,781.00
Previous	1,849,711.10
Total	**1,865,492.10**

GZA DAILY FIELD SUMMARY 109

DATE: 12/26/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

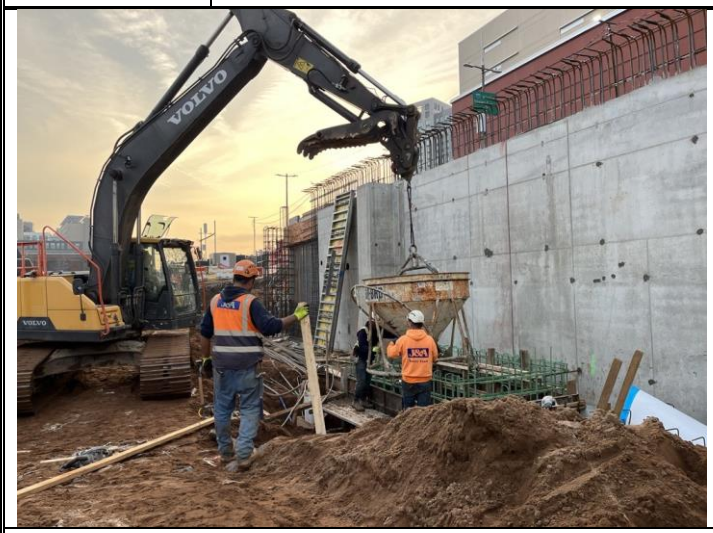
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 109

DATE: 12/26/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northwest	**Photo No.** 2	**Direction Photo Taken** North
Description: J&A installing rebar and formwork for the sewage ejector pit in grid A2; also depicted dewatering in grid A2.		**Description:** J&A installing formwork for pile cap in grid A4.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** Northeast
			
Description: J&A pouring concrete for the sewage ejector pit in grid A2.		**Description:** The soil stockpile covered at the end of day.	

GZA DAILY FIELD SUMMARY 109

DATE: 12/26/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 26, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data
2 ☒ Data

_____

_____

Weather Station: ☐ YES

Background Readings:

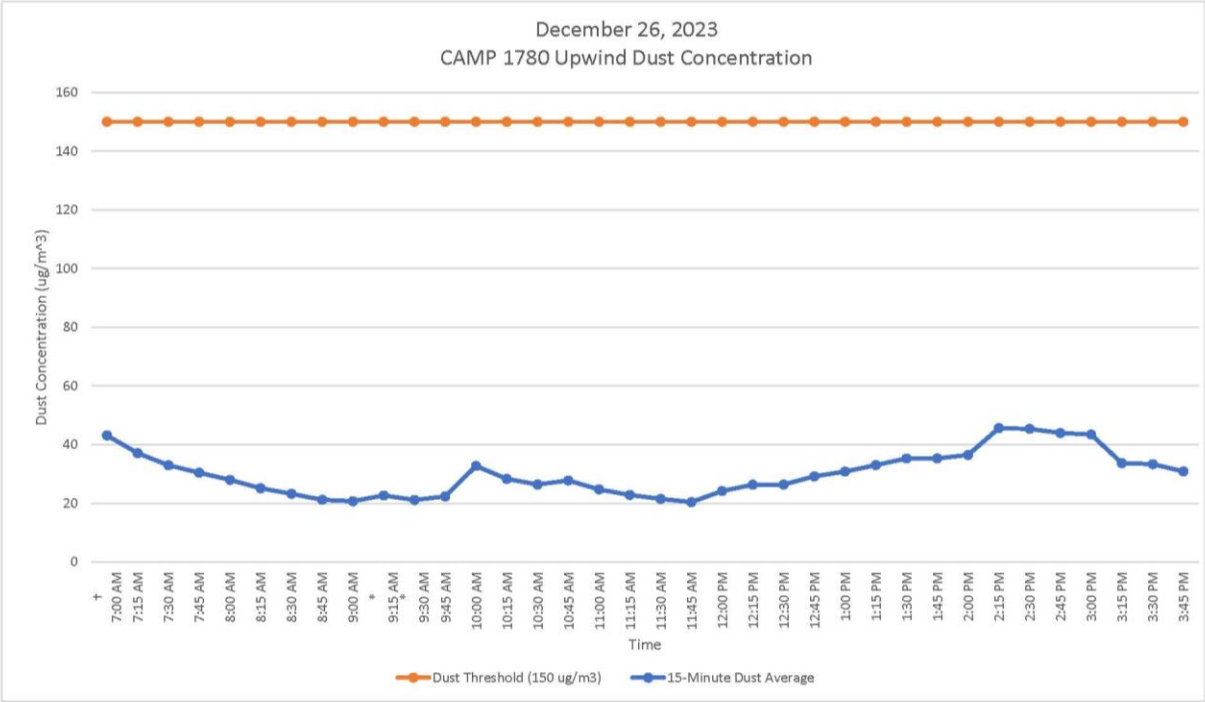
PID 1: 0.0
PID 2: 0.0

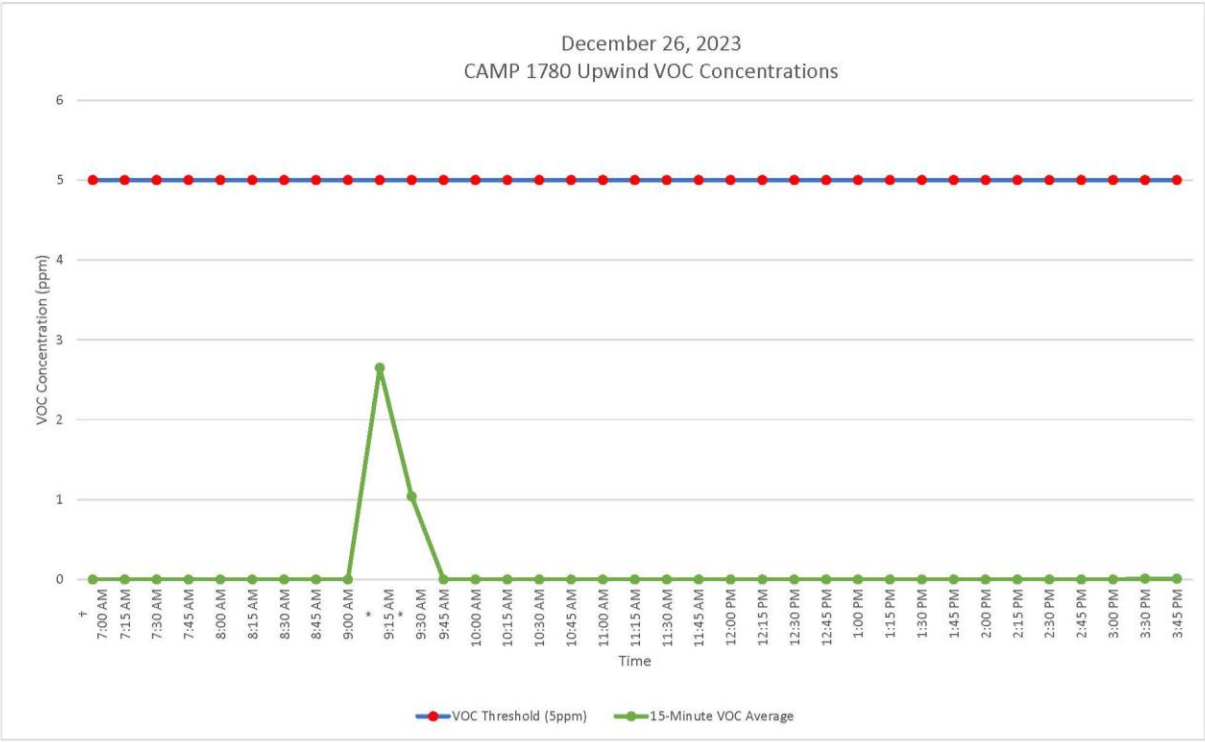
Data Ram 1: 43.17
Data Ram 2: 37.87

GZA DAILY FIELD SUMMARY 109

DATE: 12/26/2023

FILE NO: 41.0163097.00

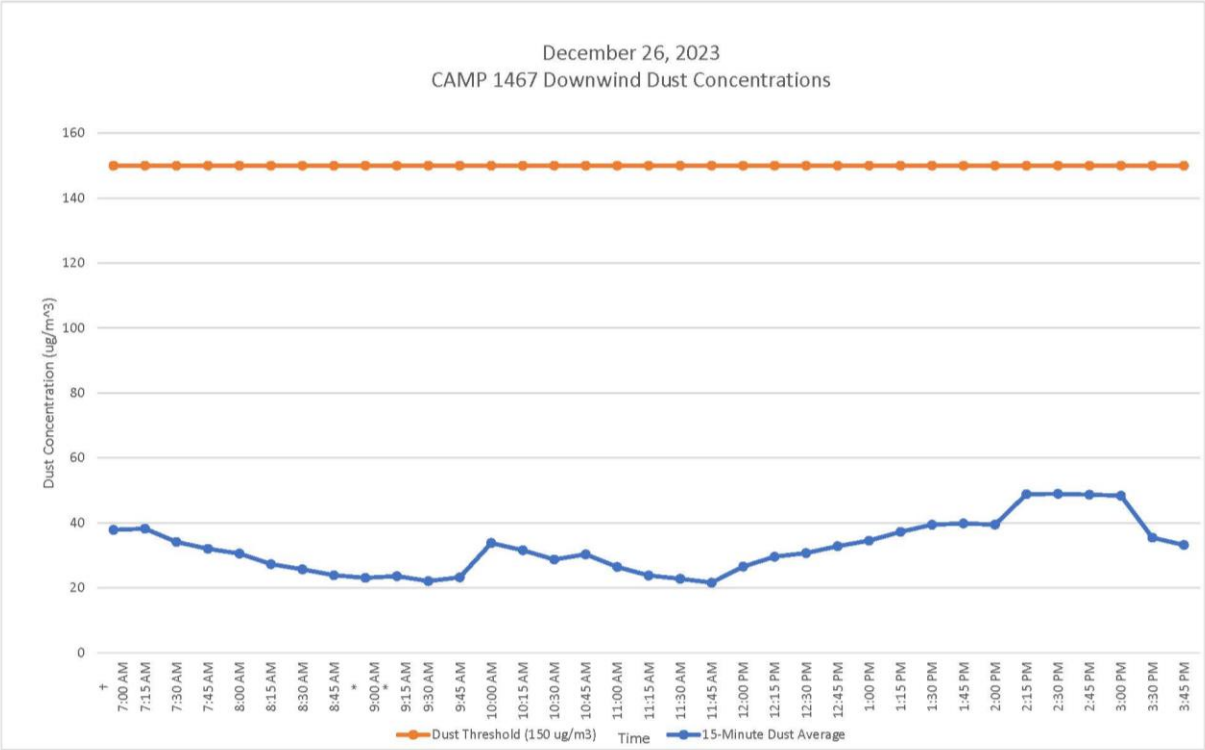


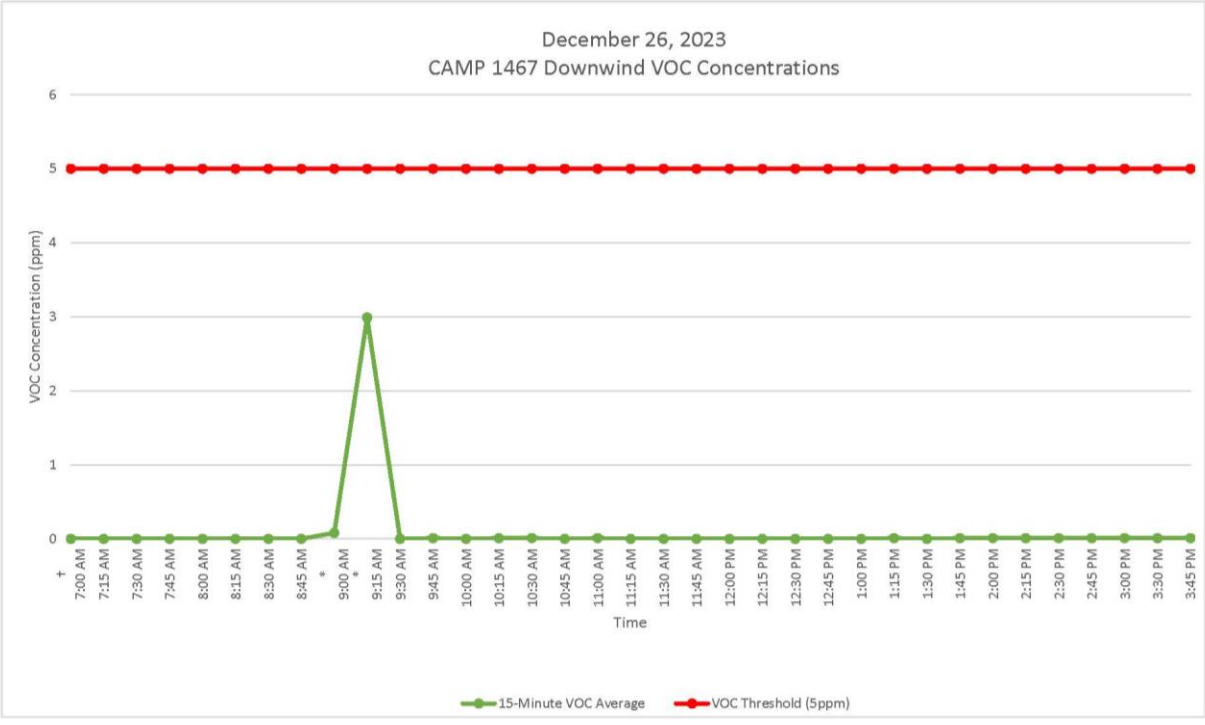


GZA DAILY FIELD SUMMARY 109

DATE: 12/26/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 109

DATE: 12/26/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	456	9,120	1	20	530	10,600
TOTAL	**73**	**1,460**	**456**	**9,120**	**1**	**20**	**530**	**10,600**

GZA DAILY FIELD SUMMARY 109

DATE: 12/26/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	28	724.77	26	621.12	57	1,424.45
TOTAL	**3**	**78.56**	**28**	**724.77**	**26**	**621.12**	**57**	**1,424.45**

GZA DAILY FIELD SUMMARY 110

DATE: 12/27/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Light Rain
PREPARED BY:	Jazlyn Natalie (GZA)	**AVE. TEMPERATURE**	43.95°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	41.56°F
		MAX WIND SPEED	14 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.00 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, December 27, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jazlyn Natalie	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Crown Waterproofing**	
SITE VISITORS:	**SOM**	
	Sabrina Shen	
	LERA	
	Mamadou Balde	

GZA DAILY FIELD SUMMARY 110

DATE: 12/27/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Wednesday – 12/27/2023

Work Location (Attachment A): Grids A1, A2, A3, B1, B3, B5, C1, C5, D1, and D2.

1. J&A excavated an area in grid B3 for pile cap, stockpiling in the same grid.
2. J&A placed formwork for pile cap and grade beam in grids B3 and A3, respectively, and spread gas permeable aggregates within the formwork.
3. J&A installed a new dewatering well in grid B3.
4. J&A installed foundation insulation over HYDRODUCT 220 Drainage Composite and BITUTHENE System 4000 waterproofing/vapor barrier in the northern section of the exterior foundation wall in grids A1, B1, C1, and D1.
5. Crown installed BITUTHENE System 4000 waterproofing/vapor barrier and HYDRODUCT 220 Drainage Composite along the exterior wall of the sewage ejector pit in grid A2. Seams were sealed with BITUTHENE® Liquid Membrane to prevent gaps.
6. J&A graded backfill in grids D1 and D2 and south of Mat A in grids B5 and C5 with stockpiled soil.
7. J&A performed dewatering in grids A2, A3, and B3. A total of 42,417.00 gallons of groundwater was generated and treated for the day.

In the southern portion of the Site, Soil Solutions installed test piles as part of the geotechnical investigation; MRCE was onsite for the installation. J&A also continued clearing of construction and demolition (C&D) debris.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Upwind, 1467– Downwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 48.84 ug/m^3
High Conditions – PID: 0.01 ppm, Particulates: 41.47 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

GZA DAILY FIELD SUMMARY 110

DATE: 12/27/2023
FILE NO: 41.0163097.00

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported on-Site during this monitoring period.

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

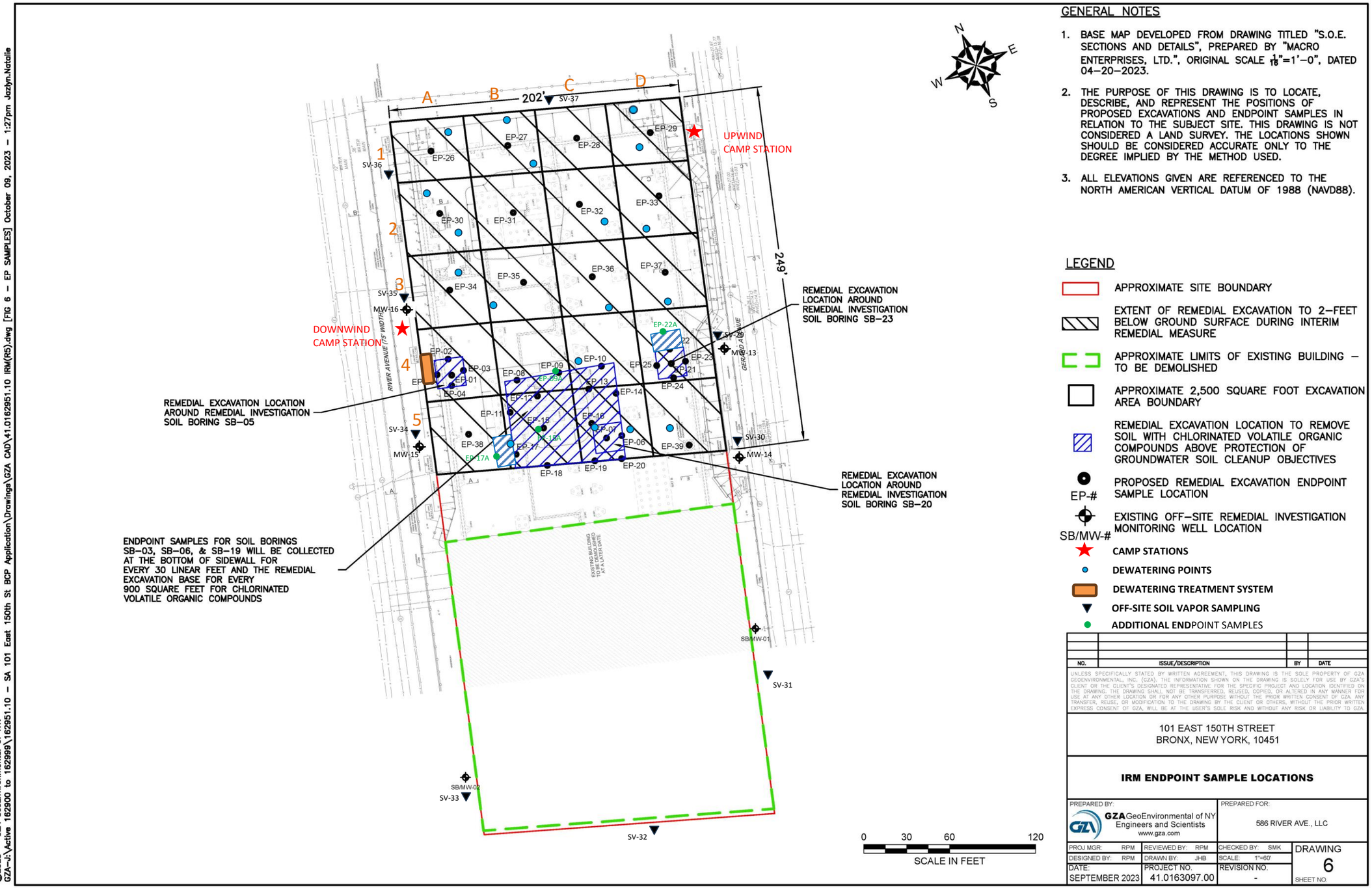
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	42,417.00
Previous	1,865,492.10
Total	**1,907,909.10**

GZA DAILY FIELD SUMMARY 110

DATE: 12/27/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

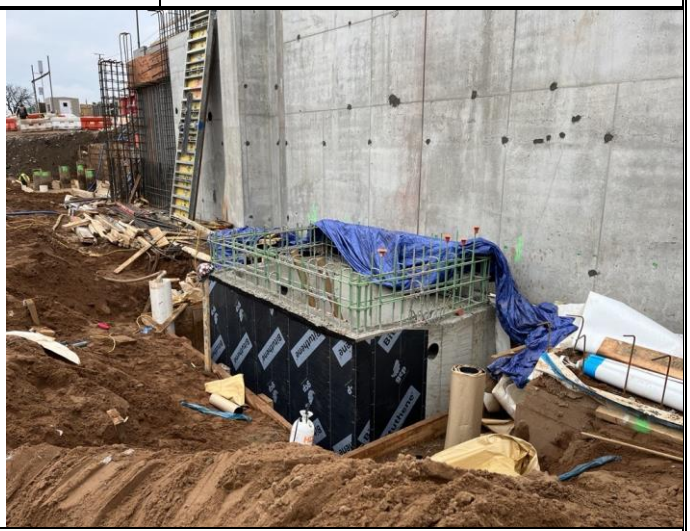
PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 110

DATE: 12/27/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Southeast	**Photo No.** 2	**Direction Photo Taken** Southeast
Description: J&A installing foundation insulation in the northern section of the exterior foundation wall.		**Description:** J&A placing formwork for pile cap in grid B3.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** Southwest
			
Description: Formwork for grade beam in grid A3.		**Description:** Crown installing BITUTHENE System 4000 waterproofing/vapor barrier along the exterior wall of the sewage ejector pit in grid A2.	

GZA DAILY FIELD SUMMARY 110

DATE: 12/27/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 27, 2023	Sampling Technician: Jazlyn Natalie
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____ _____

_____ _____ _____

Station 2 _____ _____ _____

_____ _____ _____

Hand Held PID Model 580 SN: 592-602879

SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO

2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO

2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary

2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

_____

Data Rams:

1 ☒ Data

2 ☒ Data

Weather Station: ☐ YES

Background Readings:

PID 1: 0.0

PID 2: 0.0

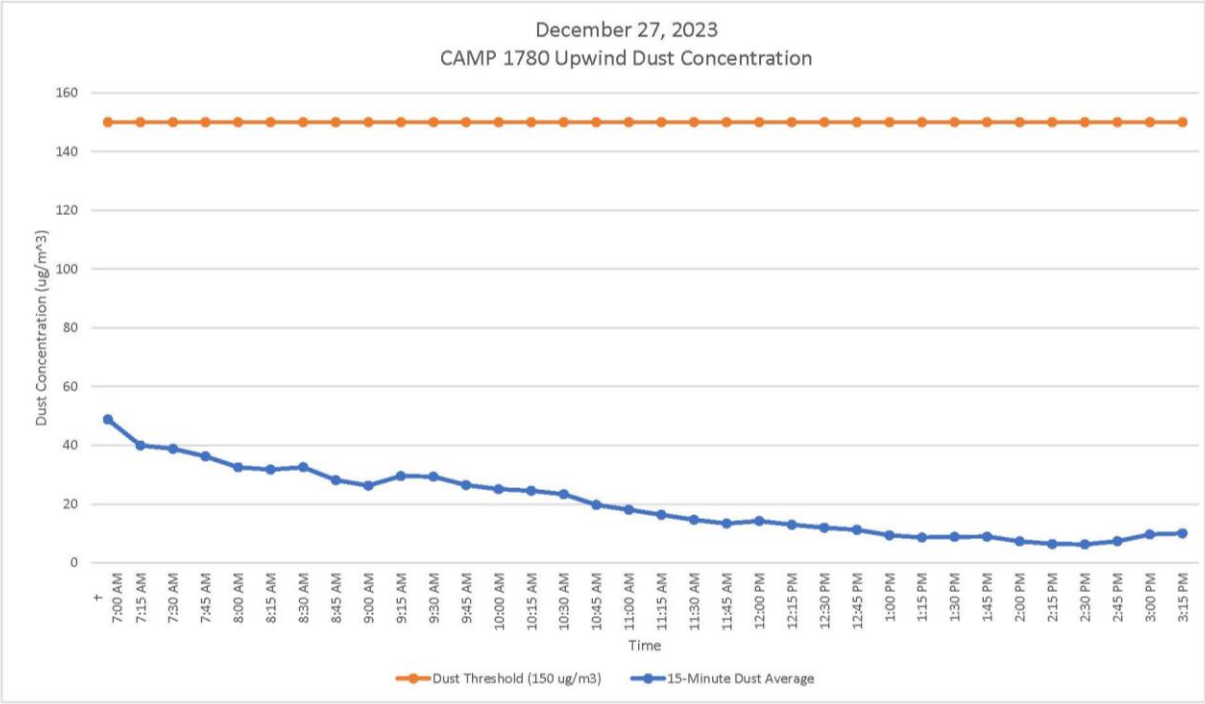
Data Ram 1: 48.84

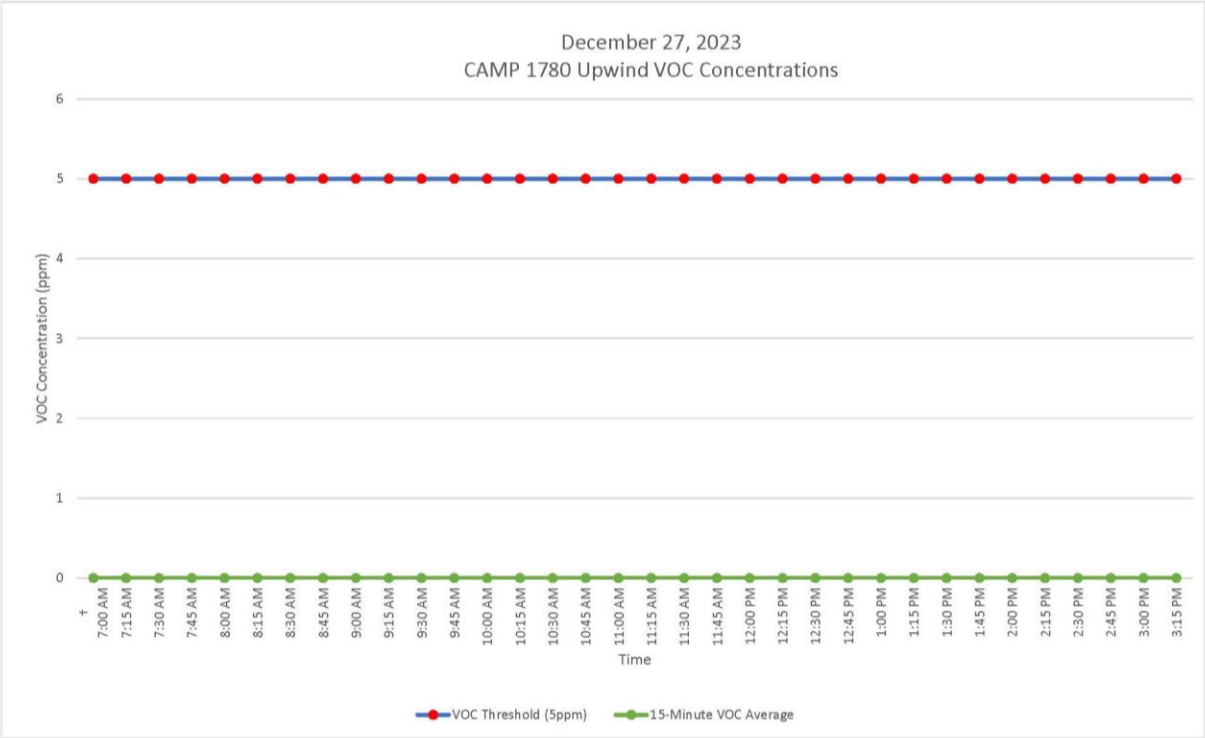
Data Ram 2: 44.87

GZA DAILY FIELD SUMMARY 110

DATE: 12/27/2023

FILE NO: 41.0163097.00

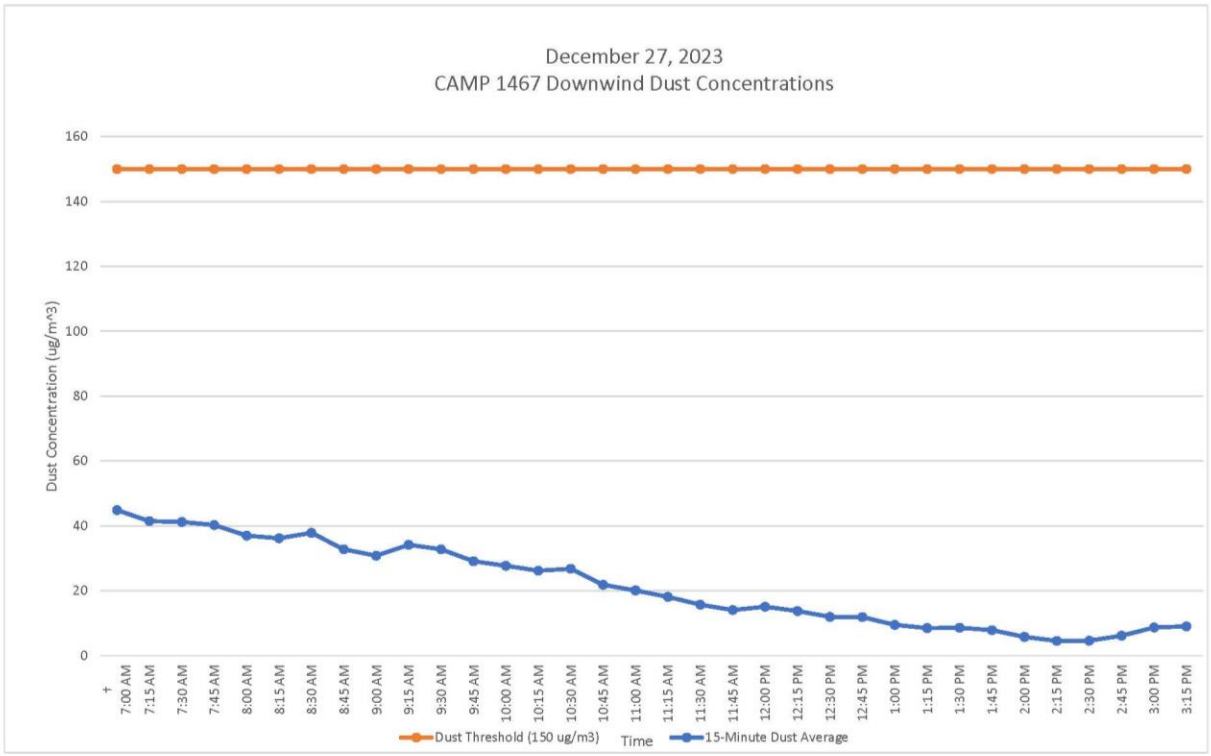


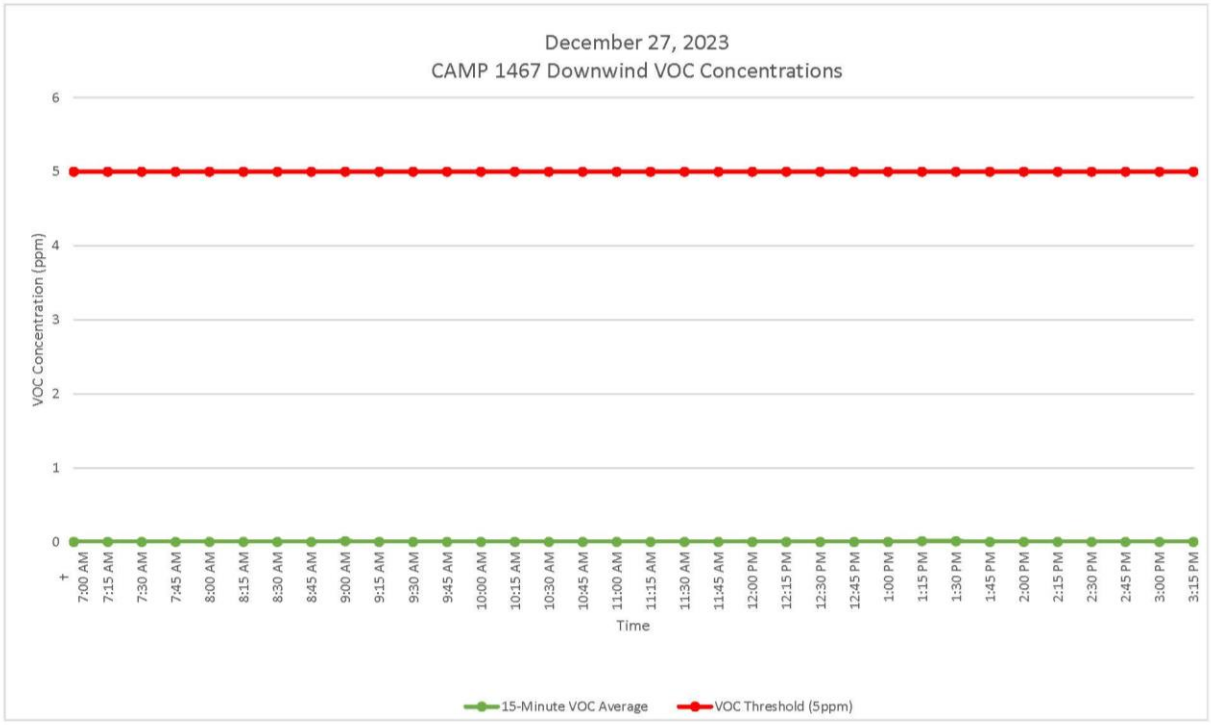


GZA DAILY FIELD SUMMARY 110

DATE: 12/27/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 110

DATE: 12/27/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	456	9,120	1	20	530	10,600
TOTAL	**73**	**1,460**	**456**	**9,120**	**1**	**20**	**530**	**10,600**

GZA DAILY FIELD SUMMARY 110

DATE: 12/27/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	28	724.77	26	621.12	57	1,424.45
TOTAL	**3**	**78.56**	**28**	**724.77**	**26**	**621.12**	**57**	**1,424.45**

GZA DAILY FIELD SUMMARY 111

DATE: 12/28/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Rain/Overcast
PREPARED BY:	Jackson Bogach (GZA)	**AVE. TEMPERATURE**	50.02°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	47.53°F
		MAX WIND SPEED	29 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	1.31 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Wednesday, December 28, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jackson Bogach	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Mueser Rutledge Consulting Engineers**	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 111

DATE: 12/28/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Thursday – 12/28/2023

Work Location (Attachment A): Grids A1, A3, B1, B3, C1, D1, and D2.

1. J&A excavated an area in grid B3 for pile cap, stockpiling the soil in grids D1 and D2.
2. J&A placed formwork for one pile cap and poured concrete for two pile caps in grid B3, respectively, and spread gas permeable aggregates within the formwork.
3. J&A spread gas permeable aggregate for the grade beam in grid A3 and pile caps in grid B3.
4. 14 truckloads of clean fill (pipe sand), totaling 343.03 tons were delivered to the Site. A portion of the clean fill was used to backfill the area outside of the foundation wall along the northern and northwestern walls. An orange snow fence demarcation layer was placed prior to backfilling.
5. J&A graded backfill in grids D1 and D2.
6. J&A installed rebar for the Con Edison Vault Box to the east of the building wall in grid D2.
7. J&A performed dewatering in grids A2, A3, and B3. A total of 64,499 gallons of groundwater was generated and treated for the day. The dewatering pumps remained on overnight from the previous day due to heavy overnight rain.

In the southern portion of the Site, J&A continued clearing of construction and demolition (C&D) debris.
Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator, Komatsu WA380 Front Loader

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 15.83 ug/m^3
High Conditions – PID: 0.07 ppm, Particulates: 57.93 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

GZA DAILY FIELD SUMMARY 111

DATE: 12/28/2023
FILE NO: 41.0163097.00

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- 14 truckloads, totaling 343.03 tons, of clean fill (pipe sand) was imported from North American Aggregates - Weeks Marine, Inc., New Jersey.

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

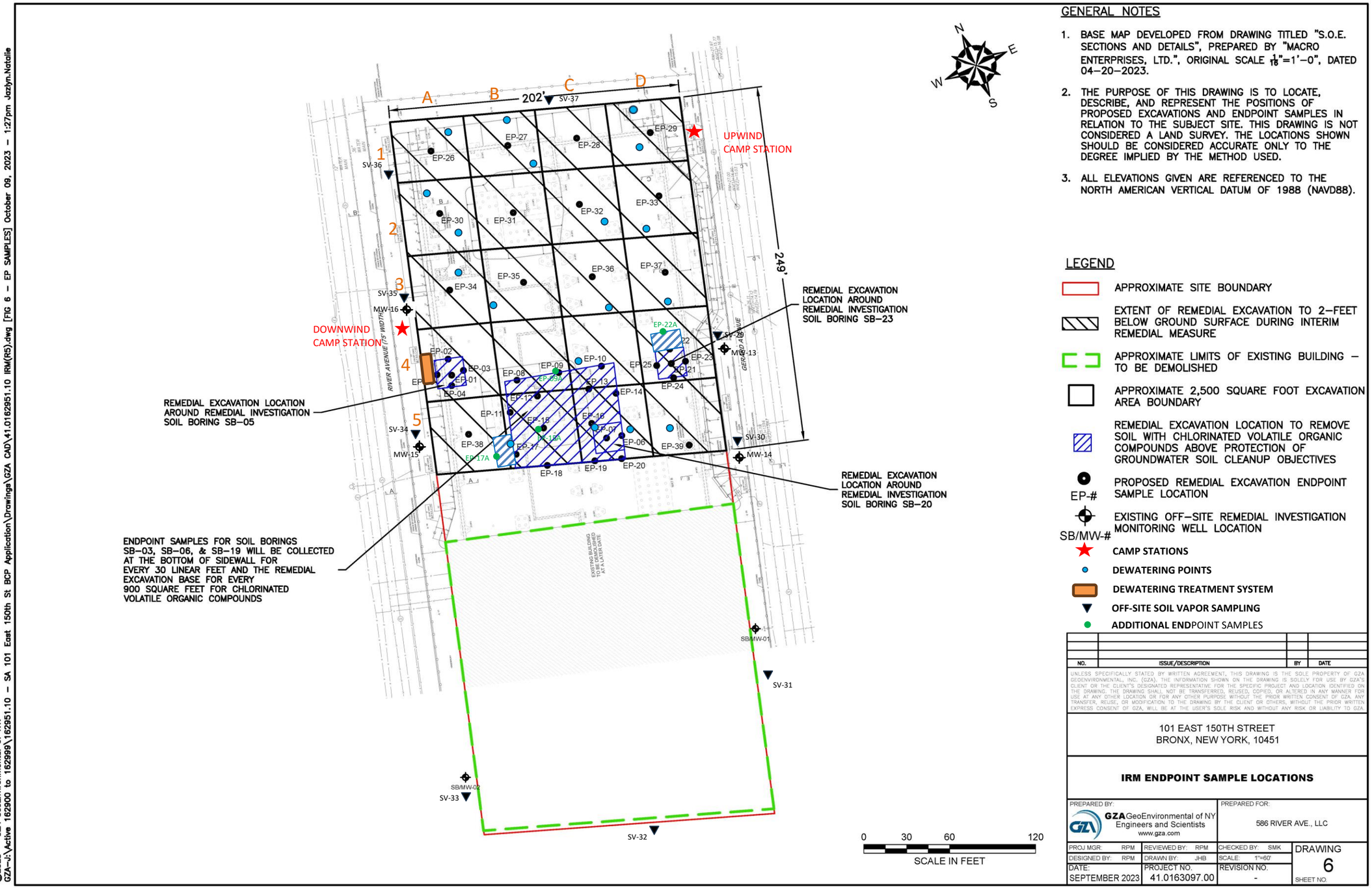
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	64,499
Previous	1,907,909
Total	**1,972,408**

GZA DAILY FIELD SUMMARY 111

DATE: 12/28/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

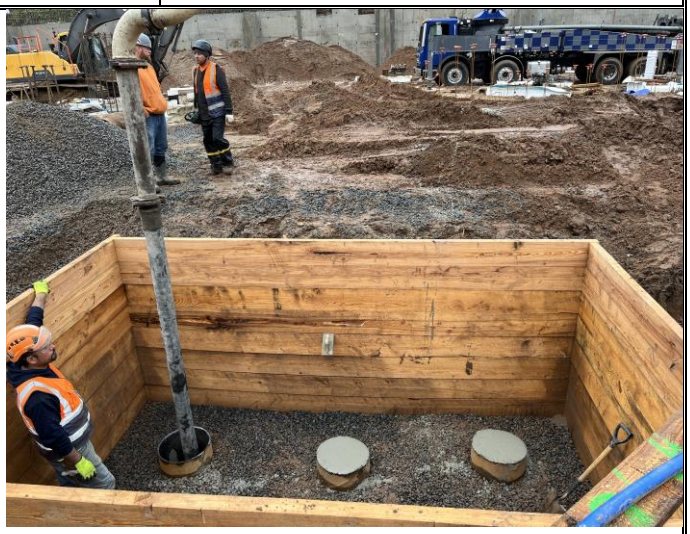
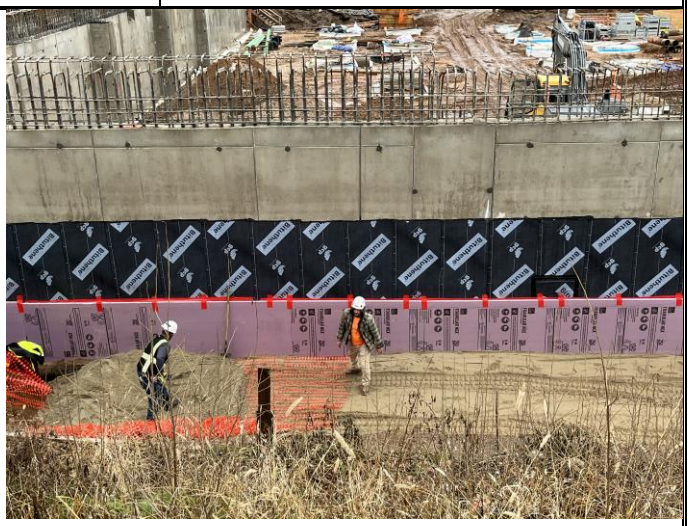
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 111

DATE: 12/28/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** Northeast	**Photo No.** 2	**Direction Photo Taken** Southeast
			
Description: Removal of soil around pile caps in grid B3.		**Description:** Concrete pour for pile caps in grid B3.	
Photo No. 3	**Direction Photo Taken:** Southwest	**Photo No.** 4	**Direction Photo Taken** Southwest
			
Description: Delivery of clean fill (pipe sand) to the Site.		**Description:** Placement of orange demarcation layer along northern site boundary prior to placement of clean fill.	

GZA DAILY FIELD SUMMARY 111

DATE: 12/28/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 28, 2023	Sampling Technician: Jackson Bogach
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**
1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm
1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:
1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____

Data Rams:
1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

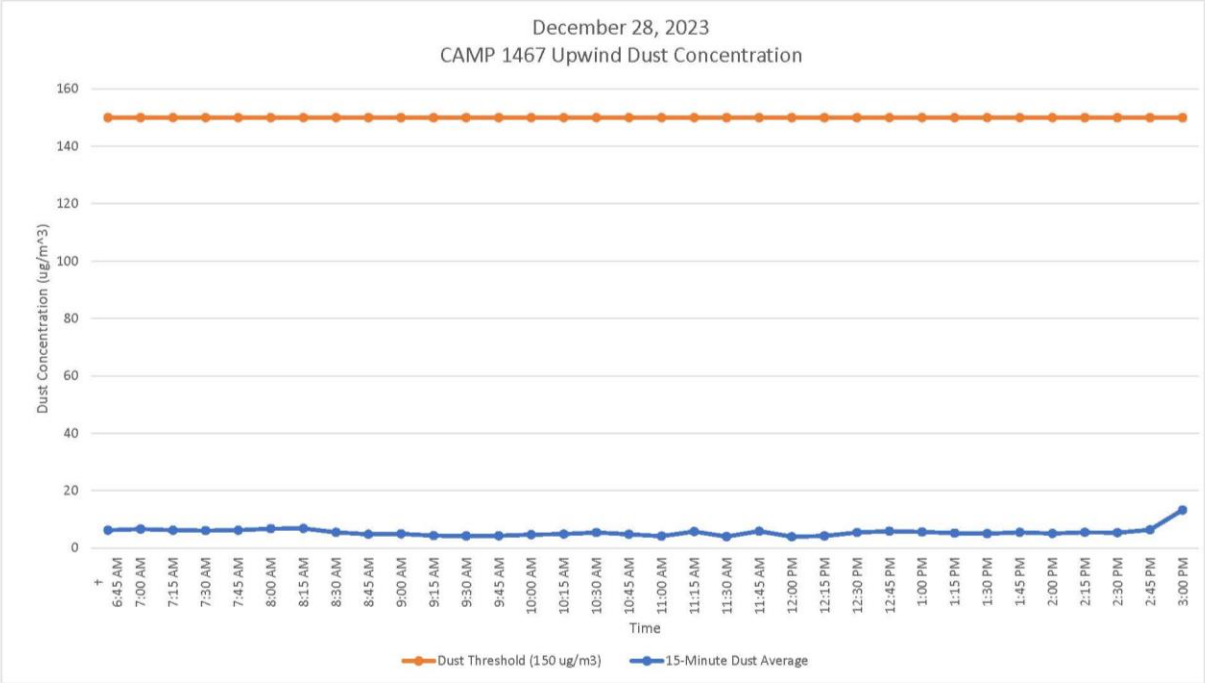
Background Readings:
PID 1: 0.0
PID 2: 0.0

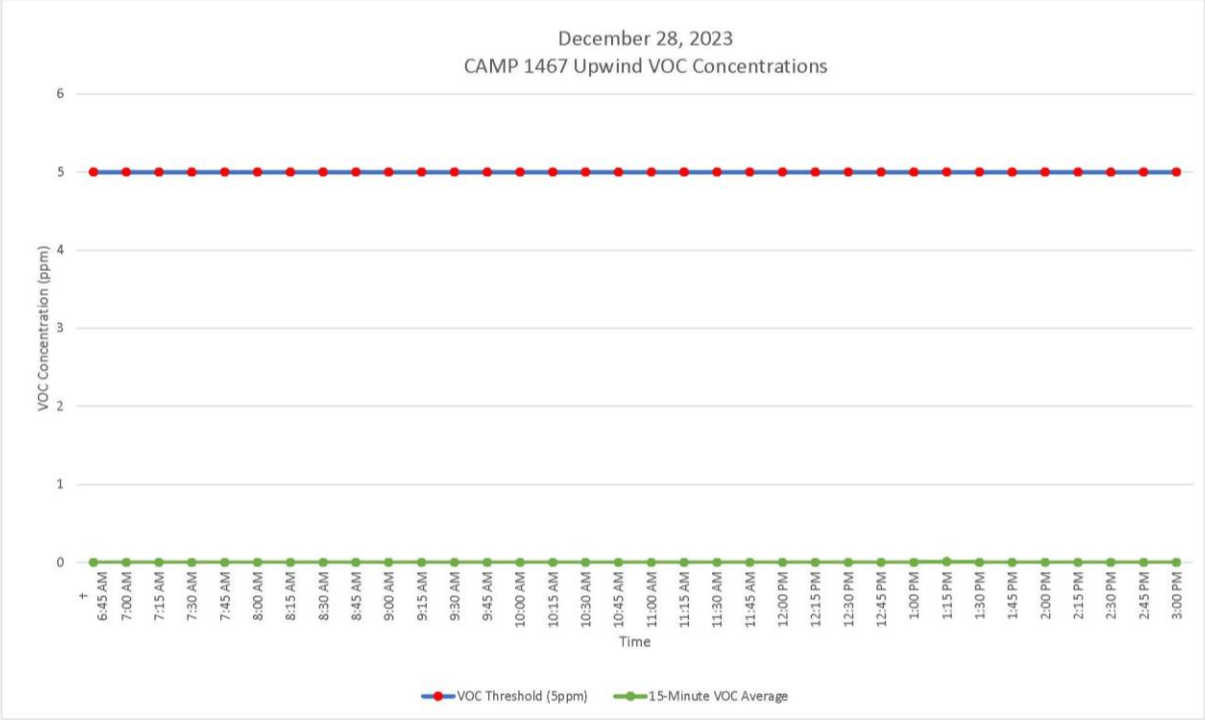
Data Ram 1: 15.83
Data Ram 2: 6.22

GZA DAILY FIELD SUMMARY 111

DATE: 12/28/2023

FILE NO: 41.0163097.00

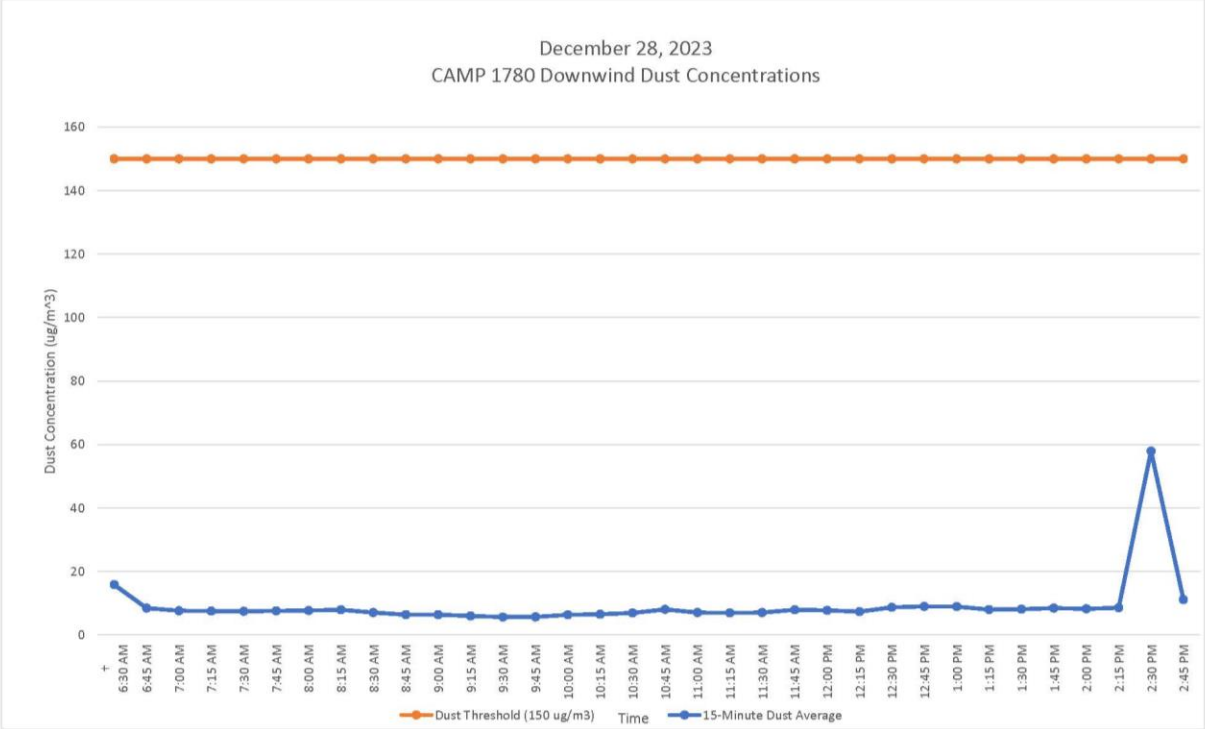


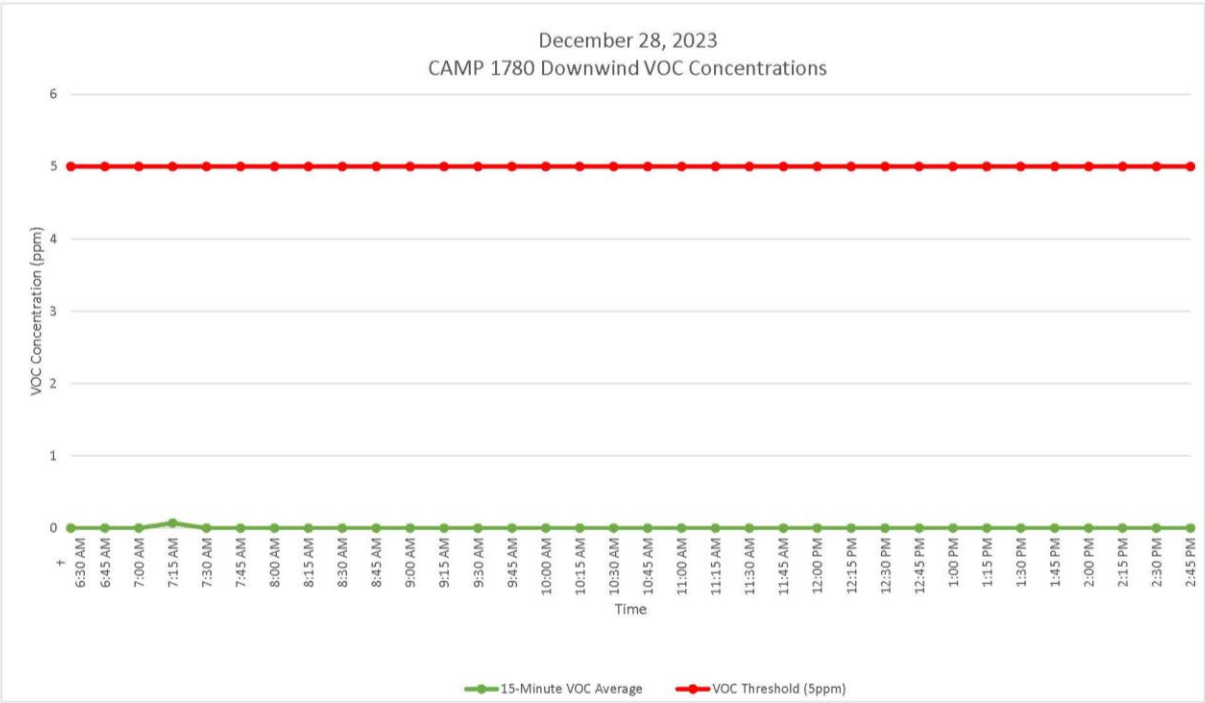


GZA DAILY FIELD SUMMARY 111

DATE: 12/28/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 111

DATE: 12/28/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	456	9,120	1	20	530	10,600
TOTAL	**73**	**1,460**	**456**	**9,120**	**1**	**20**	**530**	**10,600**

GZA DAILY FIELD SUMMARY 111

DATE: 12/28/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	14	343.03	14	343.03
Previous	3	78.56	28	724.77	26	621.12	57	1,424.45
TOTAL	**3**	**78.56**	**28**	**724.77**	**40**	**964.15**	**71**	**1,767.48**

GZA DAILY FIELD SUMMARY 112

DATE: 12/29/2023
FILE NO: 41.0163097.00

PROJECT:	101 East 150th Street	**LOCATION:**	Bronx, New York
CLIENT:	586 River Ave., LLC	**WEATHER:**	Light Rain to Clear
PREPARED BY:	Jackson Bogach (GZA)	**AVE. TEMPERATURE**	48.50°F
REVIEWED BY:	Reinbill Maniquez (GZA)	**AVE. DEW POINT**	44.62°F
		MAX WIND SPEED	14 mph from NE
ATTACHMENTS:	A – Site Plan	**PRECIPITATION**	0.09 inches
	B – Photo Log		
	C – Daily Calibration and Air Monitoring Logs		
	D – Excavated Material Disposal Log		
	E – Imported Materials Log		

SUMMARY

The following report summarizes the daily activities performed under the Interim Remedial Measure (IRM) Work Plan at 101 East 150th Street (a.k.a. 586 River Avenue) located at the NYC Tax Block 2354, Lot 1 (the Site). The Site has entered into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP), BCP Site No. C203154. The IRM Work Plan was established with the NYSDEC to protect public health and the environment during the planned parking lot removal work and excavation work that would occur during the IRM phase. The IRM Work Plan is designed to address the potential for exposure to hazardous substances during the earthwork. Unless otherwise stated, the work observed and documented by GZA was performed in accordance with the Contract Documents.

PERSONNEL SUMMARY

	Friday, December 29, 2023	
	PERSONNEL	
QEP:	**GZA**	
	Jackson Bogach	
CONTRACTORS:	**J&A Concrete**	
	Americo Marques	
	DeMatteis Organization	
	Matt Graziano	
SUBCONTRACTORS:	**Soil Solutions**	
	Crown Waterproofing	
	Mueser Rutledge Consulting Engineers (MRCE)	
SITE VISITORS:		

GZA DAILY FIELD SUMMARY 112

DATE: 12/29/2023
FILE NO: 41.0163097.00

WORK PERFORMED AND DOCUMENTED

Friday – 12/29/2023

Work Location (Attachment A): Grids A1, A3, B1, B3, C1, D1, and D2.

1. J&A set rebar and poured concrete for the grade beam location in A3 and two pile cap locations in grid B3.
2. J&A poured concrete for the Con Edison Vault Box to the east of the building wall in grid D2.
3. J&A backfilled the area to the north and northeast of the foundation wall (Grids A1, B1, C1, D1) with clean fill (pipe sand) that was delivered to the Site on December 28. An orange snow fence demarcation layer was placed prior to backfilling.
4. Crown Waterproofing installed Preprufe 300R Waterproofing Membrane at the A3 grade beam and B3 pile cap locations.
5. J&A performed dewatering in grids A3 and B3. A total of 5,533 gallons of groundwater was generated and treated for the day.

In the southern portion of the Site, Soil Solutions installed test piles as part of the geotechnical investigation. MRCE was on-Site during the test pile installation. J&A also continued clearing of construction and demolition (C&D) debris.

Photos of the Site activities are provided in **Attachment B**.

EQUIPMENT AND MATERIALS USED ON SITE

- Handheld Rae Systems MiniRae 3000 PID
- Handheld TSI SidePak™ AM 520 Dust Monitor
- Air Logics Community Air Monitoring Program Stations (1780– Downwind, 1467– Upwind) with remote telemetry system
- Volvo EC220E Excavator, Volvo ECR145E Excavator

SAMPLES COLLECTED (SINCE LAST REPORT)

- None

AIR MONITORING RESULTS:

Background Prestart Conditions – PID: 0.00 ppm, Particulates: 10.15 ug/m^3
High Conditions – PID: 0.03 ppm, Particulates: 15.67 ug/m^3

Daily instrumentation calibration log is included in **Attachment C**.

There were no particulate exceedances noted during this monitoring period. Results are provided in **Attachment C**.

µg/mg^3 = micrograms per cubic meter
ppm – parts per million

GZA DAILY FIELD SUMMARY 112

DATE: 12/29/2023
FILE NO: 41.0163097.00

TOTAL EXCAVATED MATERIALS TRANSPORTED (Attachment D)

- No material was transported off-Site during this monitoring period.

TOTAL CLEAN FILL IMPORTED (Attachment E)

- No material was imported to the Site during this monitoring period.

TOTAL VOLUME OF WATER DISCHARGED DURING DEWATERING

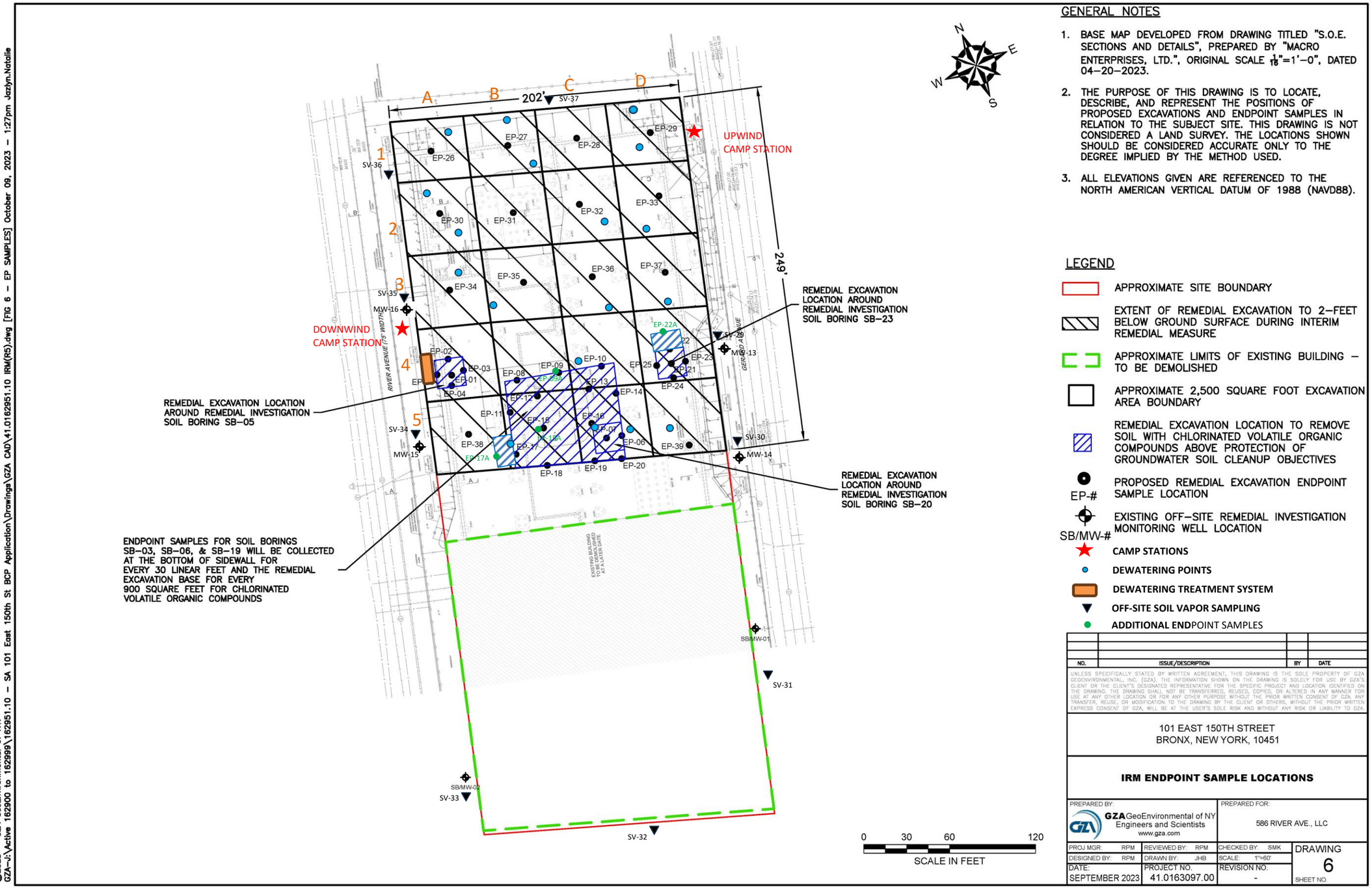
- Dewatering system pumping discharge to sewer along River Avenue under NYCDEP Permit No. C002407284.

	DEWATERING VOLUME PROJECT TOTALS (Gallons)
Today	5,533
Previous	1,972,408
Total	**1,977,941**

GZA DAILY FIELD SUMMARY 112

DATE: 12/29/2023
FILE NO: 41.0163097.00

ATTACHMENT A – SITE PLAN



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION
- SB/MW-# EXISTING OFF–SITE REMEDIAL INVESTIGATION MONITORING WELL LOCATION
- CAMP STATIONS
- DEWATERING POINTS
- DEWATERING TREATMENT SYSTEM
- OFF-SITE SOIL VAPOR SAMPLING
- ADDITIONAL ENDPOINT SAMPLES

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

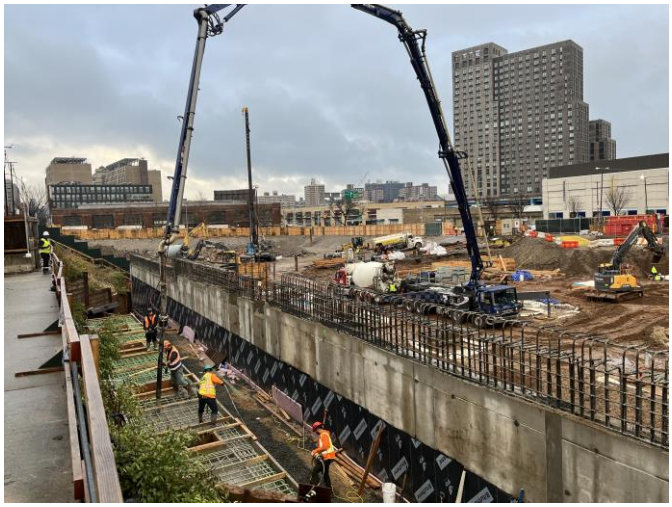
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 6
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=60'	
DATE: SEPTEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–I:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R5).dwg [FIG 6 – EP SAMPLES] October 09, 2023 – 1:27pm Jazlyn.Natalie

GZA DAILY FIELD SUMMARY 112

DATE: 12/29/2023
FILE NO: 41.0163097.00

ATTACHMENT B – PHOTO LOG

Photo No. 1	**Direction Photo Taken:** South	**Photo No.** 2	**Direction Photo Taken** Southeast
			
Description: Crown Waterproofing installing Preprufe 300R Waterproofing Membrane at pile cap location.		**Description:** Concrete pour for Con Edison Vault Vox.	
Photo No. 3	**Direction Photo Taken:** East	**Photo No.** 4	**Direction Photo Taken** East
Description: Concrete pour in pile cap location following installation of waterproofing membrane.		**Description:** Placement of orange demarcation layer along northern site boundary prior to placement of clean fill.	

GZA DAILY FIELD SUMMARY 112

DATE: 12/29/2023
FILE NO: 41.0163097.00

ATTACHMENT C – AIR MONITORING

Daily Instrument Calibration Log

Date: December 29, 2023	Sampling Technician: Jackson Bogach
Project #: 41.0163097.00	Project Name: SA 101 E 150th St

Instruments Used:

Station 1 _____ _____

_____ _____

Station 2 _____ _____

_____ _____

Hand Held PID Model 580 SN: 592-602879
SidePak SN: 5202136003

Pre-Calibration/Standardization:

PIDs: **Zero**

1 ☐ YES ☐ NO
2 ☐ YES ☐ NO

Hand Held ☒ YES ☐ NO

Data Rams: **Zero**

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Repair Needed:

Gas - 100 ppm

1 ☐ YES ☒ NO
2 ☐ YES ☒ NO

Hand Held ☒ YES ☐ NO

Hand Held ☒ YES ☐ NO

Post-Shift Download:

PIDs: Instrument:

1 ☒ Data ☒ Avg ☐ Summary
2 ☒ Data ☒ Avg ☐ Summary

Results/Comments: _____ _____

Data Rams:

1 ☒ Data
2 ☒ Data

Weather Station: ☐ YES

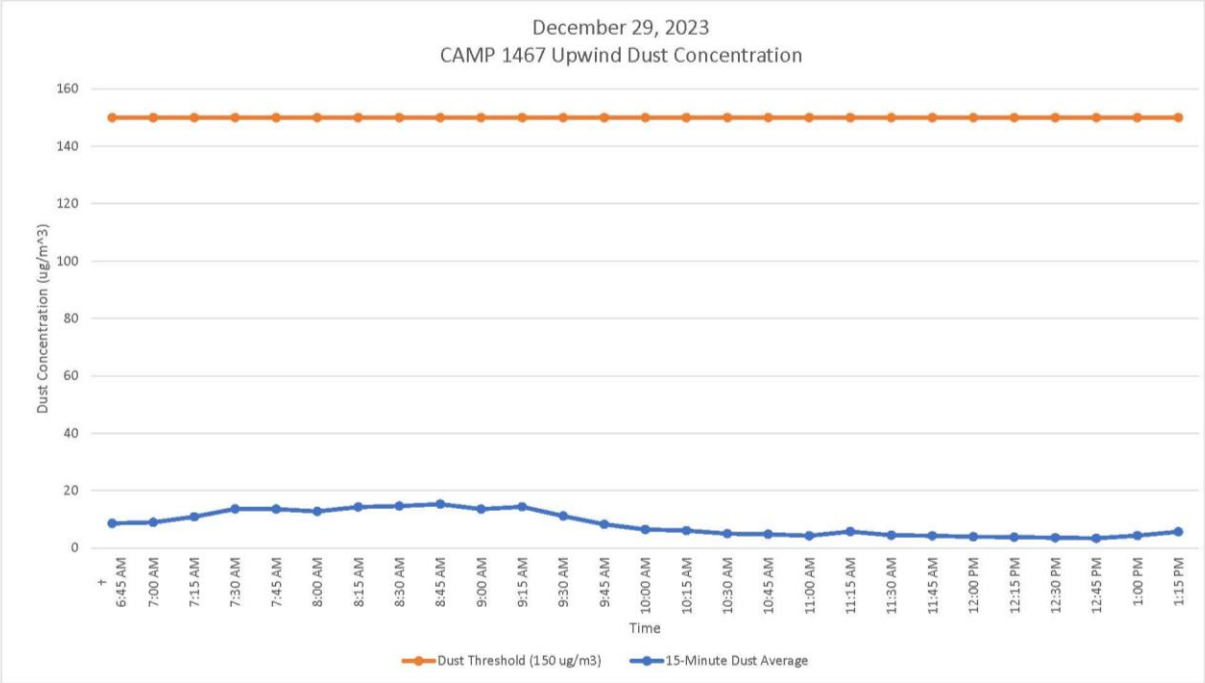
Background Readings:

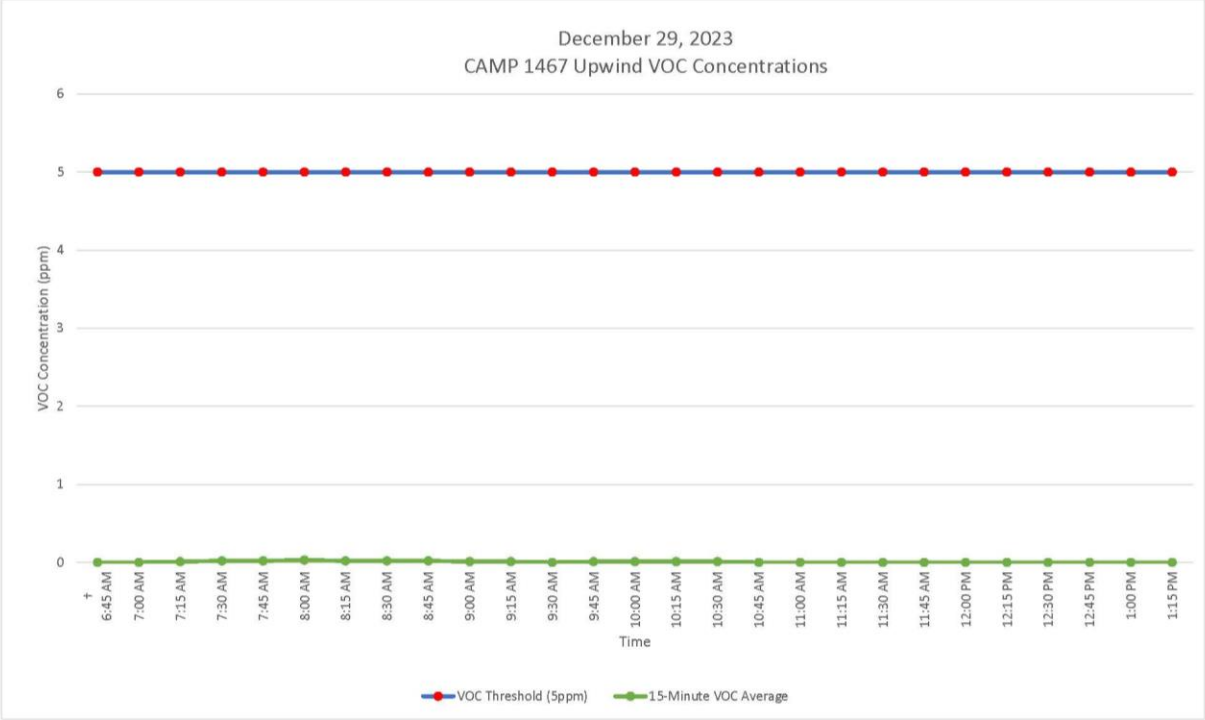
PID 1: 0.0
PID 2: 0.0

Data Ram 1: 10.15
Data Ram 2: 8.60

GZA DAILY FIELD SUMMARY 112

DATE: 12/29/2023
FILE NO: 41.0163097.00

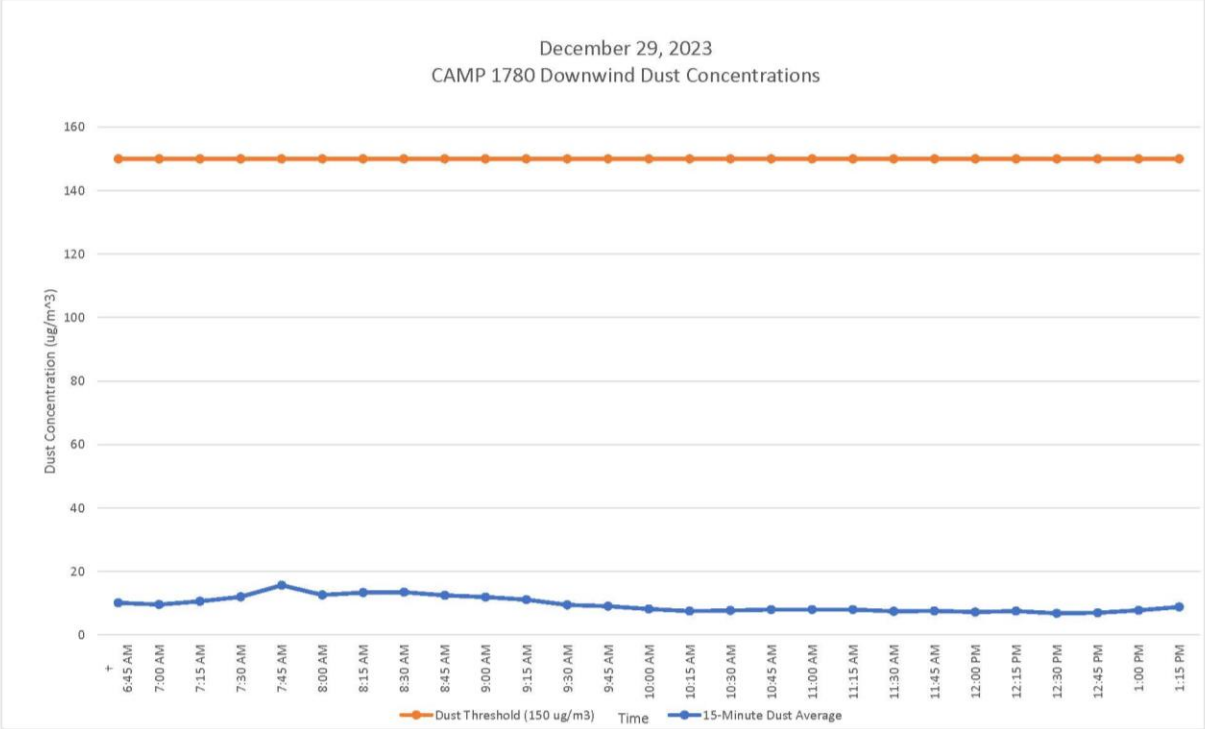


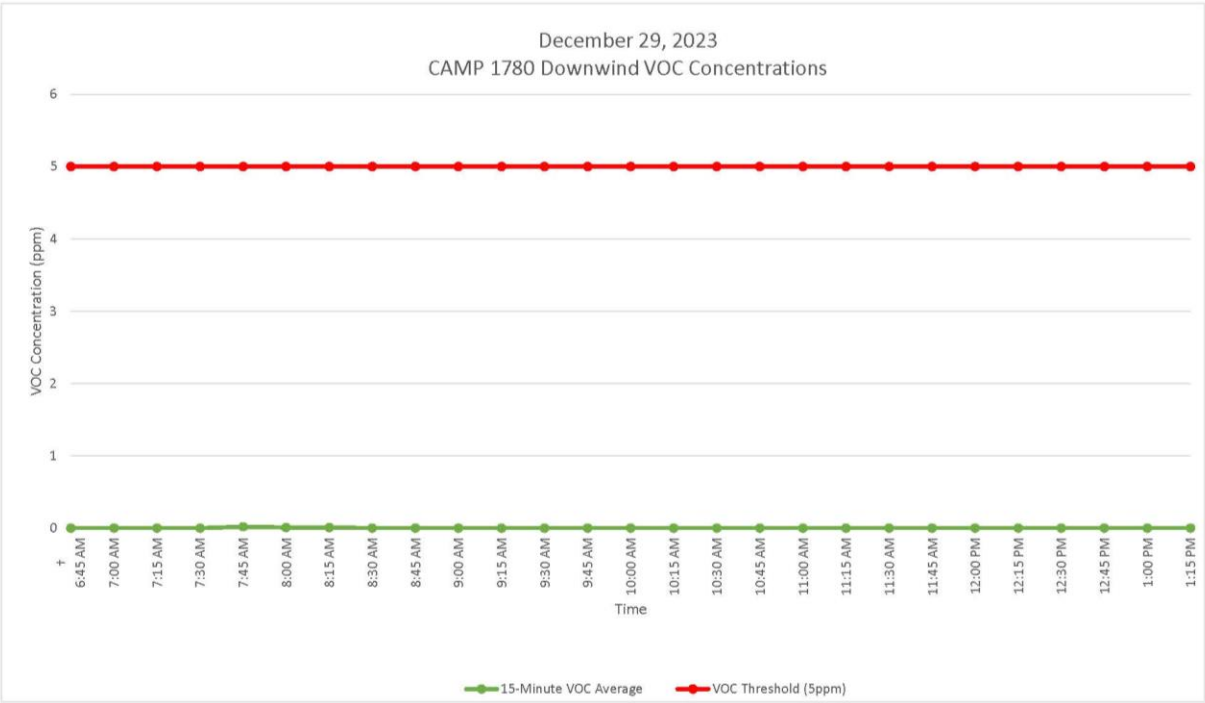


GZA DAILY FIELD SUMMARY 112

DATE: 12/29/2023

FILE NO: 41.0163097.00





GZA DAILY FIELD SUMMARY 112

DATE: 12/29/2023
FILE NO: 41.0163097.00

ATTACHMENT D – EXCAVATED MATERIAL DISPOSAL LOG

Facility # Name/ Location	**PPark – Prospect Park, NJ**		**Clean Earth – Carteret, NJ**		**Clean Earth – North Jersey, NJ**		**PROJECT TOTALS**	
(Trucks, Cubic Yards)	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	Estimated CY	Trucks	CY
Today	0	0	0	0	0	0	0	0
Previous	73	1,460	456	9,120	1	20	530	10,600
TOTAL	**73**	**1,460**	**456**	**9,120**	**1**	**20**	**530**	**10,600**

GZA DAILY FIELD SUMMARY 112

DATE: 12/29/2023
FILE NO: 41.0163097.00

ATTACHMENT E – IMPORT MATERIAL LOG

Facility # Name/ Location	Stavola Construction Materials, Inc., New Jersey (ASTM #2 [2 ½"] Gravel)		Tilcon New York, Inc., New York (Gas Permeable Aggregates)		North American Aggregates - Weeks Marine, Inc., New Jersey (Pipe Sand)		PROJECT TOTALS	
(Trucks, Tons)	Trucks	Tons	Trucks	Tons	Trucks	Tons	Trucks	Tons
Today	0	0	0	0	0	0	0	0
Previous	3	78.56	28	724.77	40	964.15	71	1,767.48
TOTAL	**3**	**78.56**	**28**	**724.77**	**40**	**964.15**	**71**	**1,767.48**