LANGAN

DAILY FIELD REPORT – DAY 17

PROJECT No.:	170361306	**CLIENT:**	Gowanus President Owner LLC	**DATE:**	Thur., March 2nd, 2023
PROJECT:	514 Union Street			**WEATHER:**	Cloudy, 41– 50 °F Wind: WNW @ 1 – 5 mph
LOCATION:	Brooklyn, New York			**TIME:**	6:45 am – 4:30 pm
BCP SITE ID:	C224318			**MONITOR:**	Audrey Seery

EQUIPMENT:	**PRESENT AT SITE:**
Geoprobe 6610DT MiniRAE 3000 Photoionization Detector (PID) Air monitoring station (DustTrak II, MiniRAE 3000 PID) Solinst Water Level Meter YSI 600XL Water Quality Meter JCB 507 Forklift	**Langan:** Audrey Seery **Regenesis:** Julian Serrano, Neal Wang **Coastal Environmental Solutions, Inc.**: Brandon Sullivan

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.: Langan was on-site to document implementation of the New York State Department of Environmental Conservation (NYSDEC)-approved February 2nd, 2023 Interim Remedial Measures Work Plan (IRMWP) No. 2.

Site Activities

- Regenesis completed five 3-D Microemulsion (3DME®) injection points (IP48, IP49, IP50, IP51 and IP52) across the target treatment interval (TTZ) of 10 to 30 feet below grade surface (bgs). Remedial products applied included 3DME®, S-MicroZVI®, and BDI PLUS®.
    - Due to a surface grade elevation change resulting from the presence of construction and demolition (C&D) debris, injection points IP50, IP51 and IP52 were advanced to 32 feet bgs to achieve the TTZ depth.
- Coastal advanced eight soil borings to maximum depth of about 14 feet bgs for the collection of supplemental waste characterization soil samples to facilitate future soil disposal facility approval.
    - Recovered soil was screened with a photoionization detector (PID); a maximum PID reading of 9.9 parts per million (ppm) was observed. Recovered soil was containerized pending future off-site disposal.
- Coastal advanced a concrete drilling bit to a maximum depth of about 5 feet bgs to evaluate concrete thickness near injection point IP04B.

Sampling

- Langan collected four waste characterization soil samples from eight soil borings. Samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) and Target Compound List (TCL)/Pennsylvania Department of Environmental Protection (PADEP)/ New Jersey Department of Environmental Protection (NJDEP)/Part 375 Volatile Organic Compounds (VOCs), TCLP Semivolatile Organic Compounds (SVOCs), TCLP Herbicides, TCLP Pesticides, Total Petroleum Hydrocarbon (TPH) Diesel/Gasoline Range Organics (DRO/GRO), polychlorinated biphenyl (PCBs), total and TCLP metals, and Resource Conservation and Recovery Act (RCRA) Characteristics. The samples were relinquished to Alpha Analytical, Inc., a New York State Department of Health (NYSDOH)

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Environmental Laboratory Accredited Program (ELAP)-certified laboratory under standard chain-of-custody protocols.

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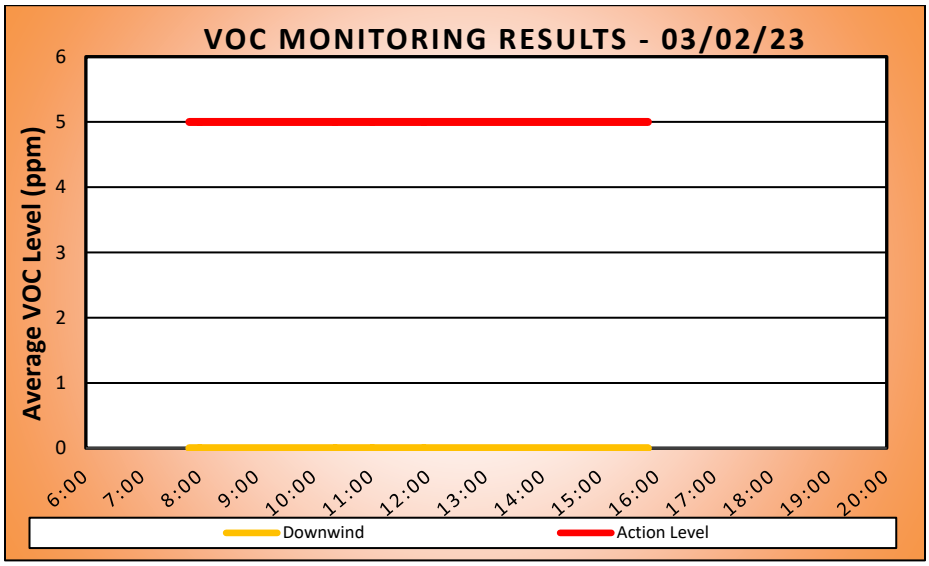
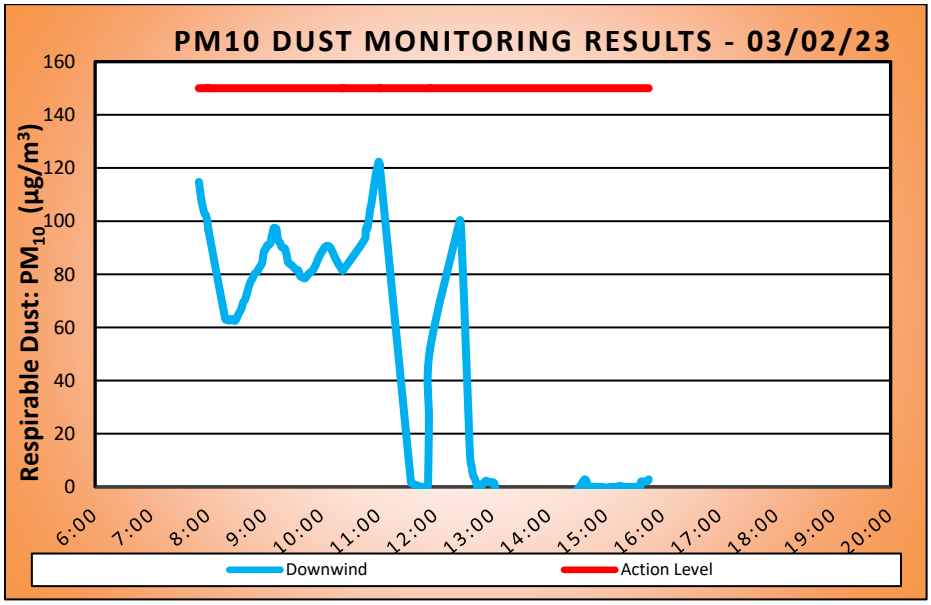
CAMP

- Langan performed continuous air monitoring at downwind perimeter of the work zone for volatile organic compounds (VOCs) and particulate matter smaller than 10 microns in diameter (PM10) during ground-intrusive activity. VOC and PM10 action levels were not exceeded during the monitoring period.
    - Following observation of fluctuating PM10 readings, the DustTrak II was recalibrated several times. PM10 concentrations were not recorded during the following times: 8:01 am to 8:02 am, 10:23 am to 10:29 am, 11:02 am to 11:18 am, and 11:55 am to 12:07 pm. Intrusive work was paused during these times. The DustTrak II will be replaced with a new unit tomorrow. Recorded air monitoring data is summarized in the following graphs:





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Anticipated Activities

- Regenesis will continue application of remedial products via injection points.

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Site Photographs

Photo 1: Regenesis applying remedial products at injection point IP51 (facing south).

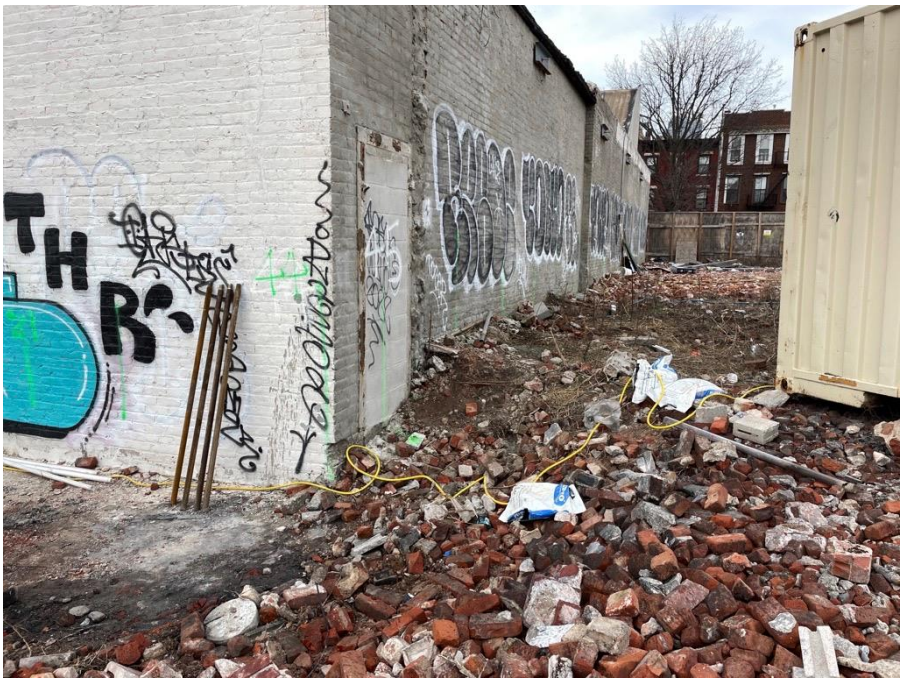

Photo 2: General view of surface grade elevation change resulting from the presence of C&D debris (facing north).

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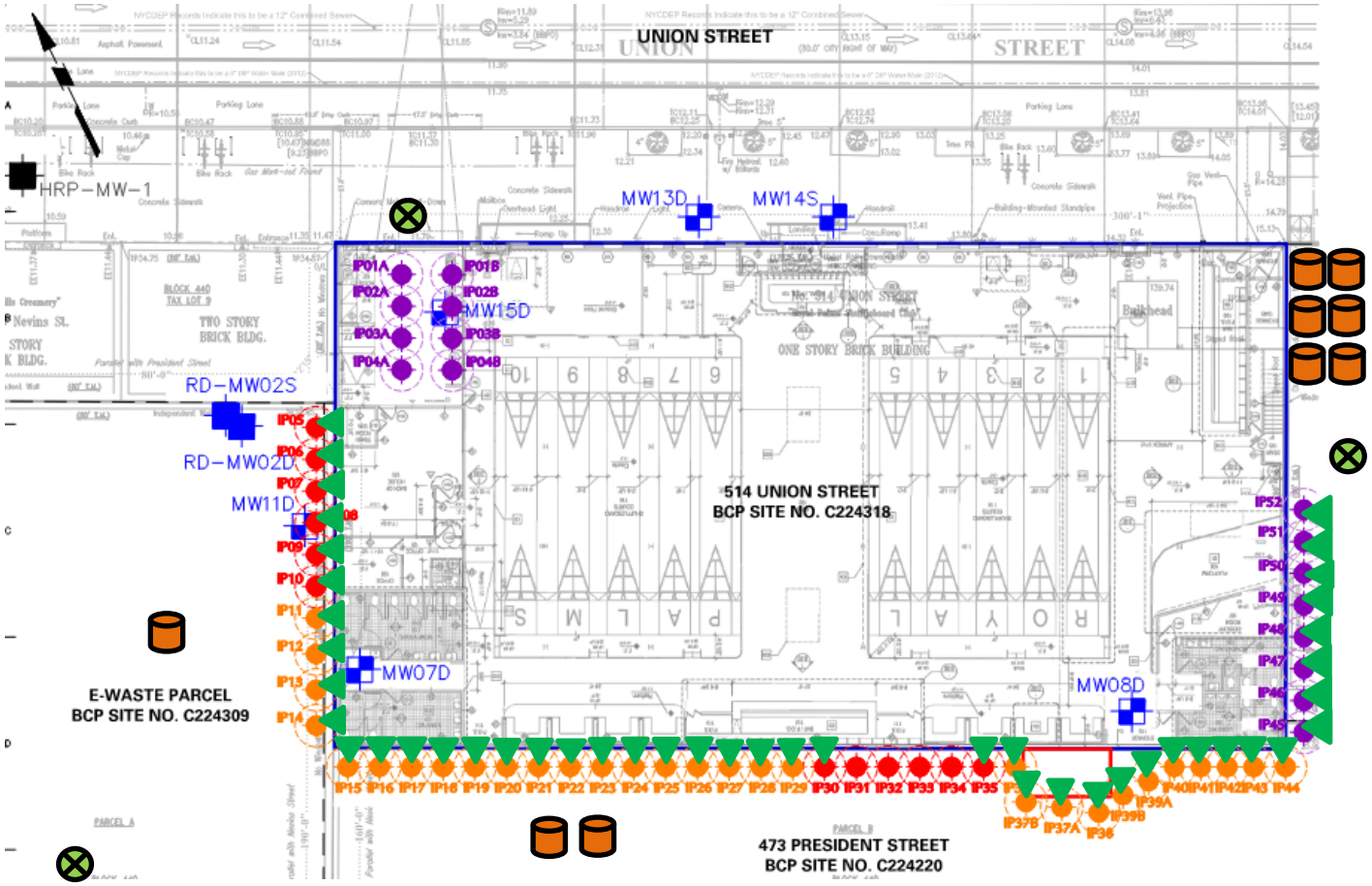
Site Map



Legend

- Approximate Site Boundary
- Approximate Drum Location
- Approximate Air Monitoring Station Location(s)
- Completed Injection Point
- Injection Point in Progress

Notes

1. Base Map adapted from Figure 8 of the 2 February 2023 IRMWP No. 2.

Drum Inventory

1. Five 55-gallon drums containing soil cuttings
2. Four 55-gallon drums containing purged groundwater/drilling fluid

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