

Project	Former Port Mobil Terminal – IRM #1	Report No.	54
NYSDEC Site	#243016	Date	12/6/2024
Location	4101 Arthur Kill Road Staten Island, NY	File No.	0208988
Client	NP Staten Island Industrial, LLC	Temperature	28-38°F
Contractor	Entact, Haley & Aldrich	Wind Direction	W to E up to 14 mph
Weather	Partly Cloudy	Personnel on Site	S. Sotomayor, K. O'Connor
Humidity	71%	Time on Site	6:45 am to 5:00 pm

H&A of New York Engineering and Geology, LLP (Haley & Aldrich) was present to document the implementation of the August 2024 NYSDEC-approved Interim Remedial Measures 1 Work Plan (IRM 1 Work Plan) prepared by Haley & Aldrich for the Former Port Mobil Terminal, located at 4101 Arthur Kill Road, Staten Island, NY. Site Observations are summarized below.

Daily Observations:

- Haley & Aldrich field personnel performed community air monitoring during the implementation of the activities in the approved IRM 1 Work Plan.
- Entact continued excavation and stockpiling of soil in Excavation 11. Stockpiled soil was staged on tarp pads and covered at the end of the day.
- H&A collected shaker tests and documentation samples from Excavation 11. Shaker tests taken at EX11-SW1, EX11-SW2, EX11-SW4, EX11-SW5, EX11-SW6 failed. Excavation 11 will be expanded based on the requirements of the IRM 1 Work Plan, and shaker tests and documentation samples will be recollected from failed locations.
- Entact continued dewatering efforts in Excavations 6A and 6B.

Waste Disposal/Backfill Import Tracking:

Material Export:

- Soil/Fill disposal is summarized below:

Facility	Pure Soil Technologies Jackson, NJ						Total	
Today:	Loads	Tons	Loads	Tons	Loads	Tons	Loads	Tons
	0	0	0	0	0	0	0	0
<u>Total:</u>	<u>585</u>	<u>11,700</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>585</u>	<u>11,700</u>

Note: Tonnage is approximate, executed tonnages to be included in the Construction Completion Report.

Material Import:

- Fill import is summarized below:

Facility	Mount Hope Quarry ASTM #57 – ¾" Stone		Total (Trucks)		Inwood Material Terminal, Inwood, NY Approved Fill	
Today:	Loads 0	CY 0	Loads 0	CY 0	Barges 0	Tons 0
Total:	53	1,334.48	53	1,334.48	11	19557.60

Note: 1 truckload estimated at 20 cubic yards. Quantities to be included in the Construction Completion Report.

Samples Collected:

- EX11-SW3_3.5-4.5, EX11-SW7_3.5-4.5, EX11-SW8_3.5-4.5, EX11-SW9_3.5-4.5, EX11-SW10_3.5-4.5, EX11-SW11_3.5-4.5, EX11-EP1_6.5-7.5, EX11-EP2_6.5-7.5, EX11-EP3_6.5-7.5, EX11-EP4_6.5-7.5, EX11-EP5_6.5-7.5, and EX11-EP6_6.5-7.5.

CAMP Activities:

- Background air monitoring was performed at three locations, one at the western boundary of the IRM 1 work area, one at the central location of the IRM 1 work area, and one at the eastern boundary of the IRM 1 work area, from 7:00 AM to 4:30 PM.
- No 15-minute average concentrations of VOCs or particulate matter smaller than 10 microns in diameter (PM10) exceeded the action levels. No visible dust was observed leaving the site perimeter.
- At approximately 07:00 AM, the central CAMP station experienced data transmission issues for only the PID. H&A was notified of the lapse immediately and implemented the backup PID to collect volatile organic readings. Air monitoring readings were collected at a 15-minute interval starting at 07:00 AM to 04:15 PM. The supplemental CAMP log for the central station (Station 2) is appended to the end of this daily report. H&A has engaged the equipment vendor to troubleshoot issues with Station 2.
- Intermittent PID readings were collected during excavation and stockpiling activities. The daily PID log is appended to the end of this daily report.

Activities Planned for Coming Week:

- Entact will continue excavating and stockpiling C&D debris for disposal.
- Entact will continue excavating soil for off-site transport and disposal.
- Haley & Aldrich will conduct confirmation endpoint sampling for completed excavations.
- Entact/AST will only continue BOS 200 in-situ stabilization mixing within completed excavations upon review and approval of submitted excavation completion documentation by NYSDEC & USEPA.
- Entact will only install demarcation barrier and backfill with approved import material upon review and approval of submitted excavation completion documentation by NYSDEC & USEPA.

Site Staff		
Company	Individual	Title
Haley & Aldrich	Sebastian Sotomayor	Field Manager
Haley & Aldrich	Kassidy O'Connor	Field Staff
Entact	Wyatt Seel	Field Engineer
Entact	Austin Farmerie	Field Engineer
Entact	Dalton Hillman	Field Engineer
Entact	Tariq Smit	SSHO
Entact	Jeramy Leibrandt	Operator
Entact	Silvino Raseles-Valderrama	Operator
Entact	Brent Hayes	Field Project Manager
Entact	Ross Deambrogio	Field Manager
Entact	Rigo Sanches	Operator
EA Engineering	Thomas Irvine	Site Inspector
EA Engineering	Joe Kowalski	Site Inspector
Site Equipment		
Name	Contractor	Quantity
Komatsu WA 380	Entact	1
Caterpillar 289D Skid Steer	Entact	1
Chicago Pneumatic Generator (CPG)	Entact	1
Caterpillar 336E Excavator	Entact	2
Pavement Saw	Entact	1
Light Tower	Entact	1
Godwin Pumps	Entact	2
Water Truck	Entact	1
Long Stick Caterpillar Excavator 336E	Entact	1
Hydro Vac Truck	Entact	1
Caterpillar Dozer D6	Entact	1
Caterpillar Rock Truck 740	Entact	1
Caterpillar Excavator 314	Entact	1
United Rental Frac Tank	United Rental	1
Rusmar Foam Machine	Entact	1
Caterpillar Compactor 950	Entact	1

Site Photographs:

Photo 1: View of dewatering activities in Excavation 6A, IRM 1 Eastern Area, facing south.



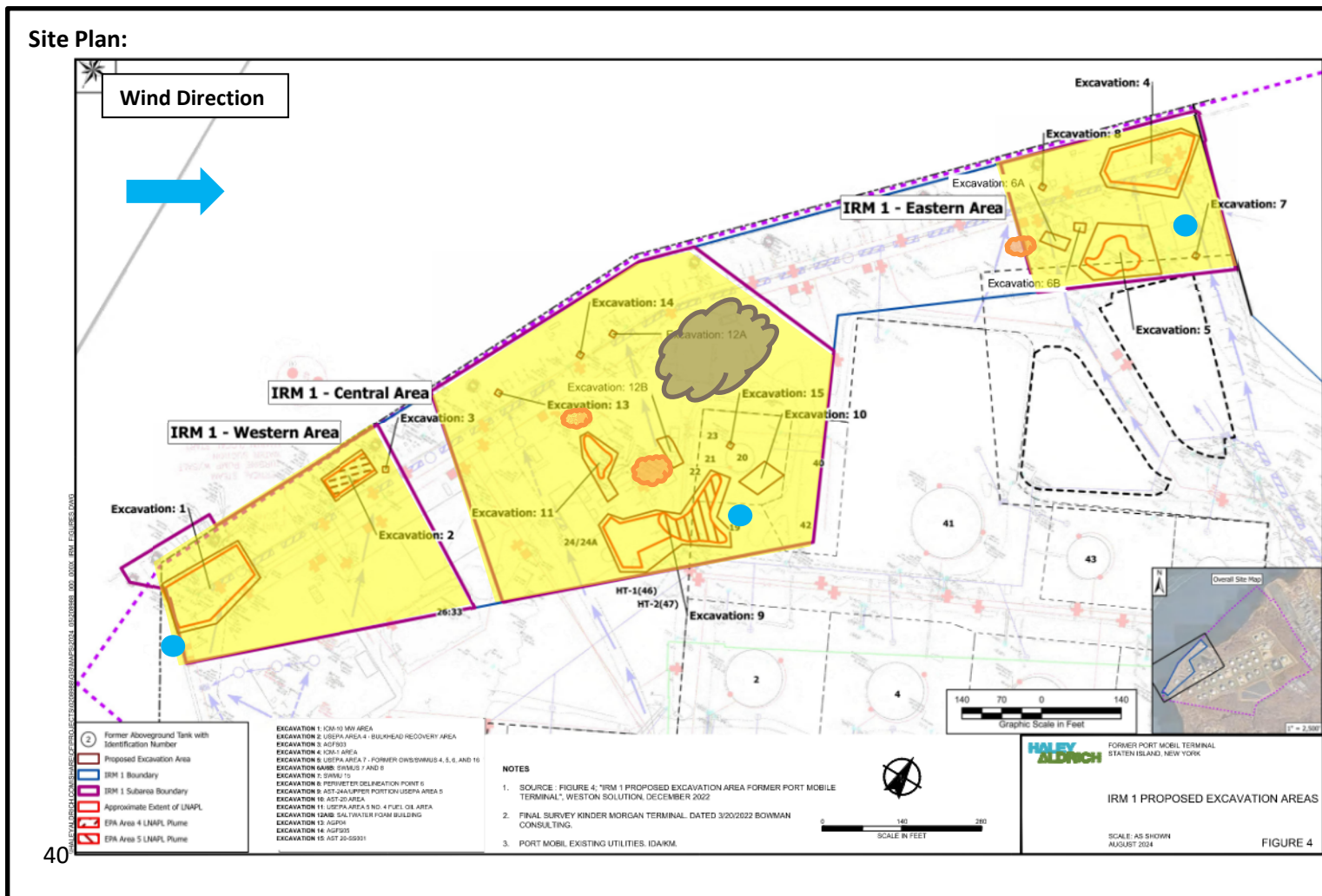
Photo 2: View of excavation activities in Excavation 6B, IRM 1 Eastern Area, facing west.

Site Photographs:

Photo 3: View of Excavation 6B critical infrastructure piping, IRM 1 Eastern Area, facing southwest.



Photo 4: View of Excavation 11 documentation sampling activities, IRM 1 Central Area, facing east.



Reference: Interim Remedial Measures 1 Work Plan Figure 7B IRM-1 Central Area Proposed Excavation Area, prepared by Haley & Aldrich of New York, dated May 2024

LEGEND:

Work Area ● CAMP Station ☁ Stockpile Location (Soil/Fill) ☁ Stockpile Location (C&D)

4101 Arthur Kill Rd, Staten Island, New York, 10309

Air Monitoring Log

Date : 2024-12-06

Personnel : S. Sotomayor, K. O'Connor
Weather : Partly Sunny, 28-38°F
Humidity : 71%
Wind Direction : W to E, 12 mph

Particulate Background (ug/m3) : 61.203
PID Background (ppm) : 0.0

Action Levels : Downwind perimeter of work area above background levels

PID (ppm) : > 5 ppm for the 15-min average

Dust (ug/m3) : > 150 for the 15-min average

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. PM10 (Station3)	Avg. VOC(Station1)	Avg. VOC(Station2)	Avg. VOC(Station3)	Odors	Notes Activities/ Additional Monitoring
07:00	0.837	1.646	61.203	0.0		0.0		
07:15	0.639	1.385	32.705	0.0		0.0		
07:30	0.624	1.263	24.703	0.0		0.0		
07:45	0.609	1.421	19.507	0.0		0.0		See the appended field log for VOC readings at Station 2
08:00	0.529	0.962	8.431	0.0		0.0		
08:15	0.516	0.821	8.489	0.0		0.0		
08:30	0.525	0.865	9.226	0.0		0.0		
08:45	0.505	0.479	6.669	0.0		0.0		
09:00	0.551	0.548	2.552	0.0		0.0		
09:15	0.571	0.667	1.344	0.0		0.0		
09:30	0.581	0.650	3.275	0.0		0.0		
09:45	0.531	1.373	8.570	0.0		0.0		
10:00	0.541	1.289	5.720	0.0		0.0		
10:15	0.573	1.453	4.863	0.0		0.0		
10:30	0.567	1.113	1.757	0.0		0.0		
10:45	0.590	0.875	1.849	0.0		0.0		

4101 Arthur Kill Rd, Staten Island, New York, 10309

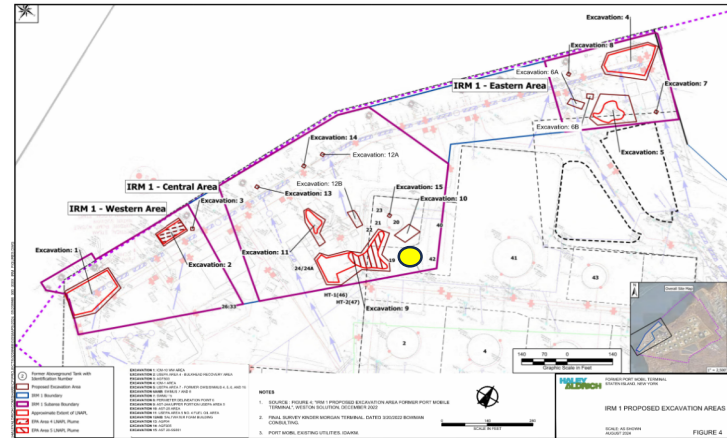
Air Monitoring Log

Minute of Time	Avg. PM10 (Station1)	Avg. PM10 (Station2)	Avg. PM10 (Station3)	Avg. VOC(Station1)	Avg. VOC(Station2)	Avg. VOC(Station3)	Odors	Notes Activities/ Additional Monitoring
11:00	0.515	0.494	1.671	0.0		0.0		
11:15	0.645	0.563	1.696	0.0		0.0		
11:30	0.665	0.569	1.609	0.0		0.0		
11:45	0.625	0.600	1.657	0.0		0.0		
12:00	0.599	0.439	1.613	0.0		0.0		
12:15	0.701	0.458	1.949	0.0		0.0		See the appended field log for VOC readings at Station 2
12:30	0.676	0.466	2.454	0.0		0.0		
12:45	0.707	0.618	1.651	0.0		0.0		
13:00	0.733	0.597	2.953	0.0		0.0		
13:15	0.753	0.674	3.761	0.0		0.0		
13:30	0.805	0.747	4.293	0.0		0.0		
13:45	0.777	0.768	2.421	0.0		0.0		
14:00	0.833	0.792	2.038	0.0		0.0		
14:15	0.854	0.876	4.098	0.0		0.0		
14:30	0.873	0.895	3.251	0.0		0.0		
14:45	0.882	1.090	1.875	0.0		0.0		
15:00	0.895	1.118	2.059	0.0		0.0		
15:15	0.766	0.600	2.654	0.0		0.0		
15:30	0.768	0.636	3.259	0.0		0.0		
15:45	0.773	0.895	2.619	0.0		0.0		
16:00	0.787	1.285	2.735	0.0		0.0		
16:15	0.723	0.830	2.053	0.0		0.0		

Air Monitoring Log

Date: 12/6/2024
 Personnel: S. Sotomayor, K. O'Connor
 Weather: 28-38 Degrees F
 Humidity: 71%
 Wind Direction: W-E 12 mph

Site Map:



Particulate Background (mcg/m3): 1.646
 PID Background (ppm): 0

Upwind

Dustrak #:

Downwind

Dustrak #: 8530142409 PID#: 592-601840

Time	Particulate		VOCs			Notes
	Upwind	Downwind	Upwind	Downwind		
	Dust (mcg/m3)	Dust (mcg/m3)	PID (ppm)	PID (ppm)	Odors (y/n)	
630						Backup PID utilized as Station 2 PID not transmitting. Particulate readings are on average as per data transmissions.
645						
700				0		
715				0		
730				0		
745				0		
800				0		
815				0		
830				0		
845				0		
900				0		
915				0		
930				0		
945				0		
1000				0		
1015				0		
1030				0		
1045				0		

Air Monitoring Log

Time	Upwind	Downwind	Upwind	Downwind	Notes
	Dust (mcg/m3)	Dust (mcg/m3)	PID (ppm)	PID (ppm) Odors (y/n)	
1100				0	Backup PID utilized as Station 2 PID not transmitting. Particulate readings are on average as per data transmissions.
1115				0	
1130				0	
1145				0	
1200				0	
1215				0	
1230				0	
1245				0	
1300				0	
1315				0	
1330				0	
1345				0	
1400				0	
1430				0	
1445				0	
1500				0	
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