



Environmental, Planning, and Engineering Consultants

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December 22, 2021

Mr. Matthew Hubicki
Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7016

Re: Progress Report – November 2021
Polychrome East Site
City of Yonkers, Westchester County
NYSDEC BCP Site No. C360098

Dear Mr. Hubicki:

This Progress Report has been prepared by AKRF, Inc. (AKRF) on behalf of Avalon Yonkers Sun Sites, LLC (AVB) to summarize the work performed at the Polychrome East site [Brownfield Cleanup Program (BCP) Site No. C360098] located at 80-94 Alexander Street, Yonkers, New York (the Site) during the month of November 2021.

Community Air Monitoring Plan (CAMP) observations were as follows:

- No intrusive soil work occurred below the final cover system at the Site during the November 2021 reporting period.
- On November 4, 5, 17, and 19, 2021, handheld equipment was used to monitor volatile organic compounds (VOCs), oxygen, and hydrogen sulfide (H₂S) during dense non-aqueous phase liquid (DNAPL) coal tar gauging and removal activities, in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP). Air monitoring was performed within the work zone. No VOC or H₂S exceedances were recorded during the DNAPL removal activities.

Site Activities:

- During the month of November 2021, no on-Site excavation activities below the final cover system occurred.
- On November 4 and 17, 2021, DNAPL gauging was conducted at NW-1, NW-2, NW-3, NW-4, and NW-5. Gauging of groundwater monitoring wells MW-A, MW-B, MW-C and MW-D will be performed during the annual groundwater sampling event in December 2021. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the November 2021 monitoring events in NW-3 and NW-4 as summarized below and detailed in the attached Table 1.

Recovery Well ID	DNAPL Thickness 11/4/21 (feet)	DNAPL Thickness 11/17/21 (feet)
NW-3	0.79	0.83
NW-4	0.20	0.55

Note: Measured DNAPL thicknesses are estimated.

- On November 5 and 19, 2021, AKRF performed oversight during DNAPL removal, which was completed by Eastern Environmental of Manorville, New York (Eastern). Measurable DNAPL was removed from recovery well NW-3 (~9 gallons total) utilizing a vacuum truck to apply vacuum on an internal 1-inch pipe within the recovery well. DNAPL was removed at NW-4 (~13 gallons) on November 19, 2021 only, as less than 0.5 feet of measurable DNAPL was detected during the November 4, 2021 gauging event (i.e., no DNAPL recovery required). The recovered DNAPL was containerized in a Department of Transportation (DOT)-approved 55-gallon drum, labeled as hazardous waste, and staged on-Site in Grid Cell E2 (see Figure 2) for off-site disposal at an appropriate receiving facility. Following DNAPL removal, the vacuum truck was decontaminated using a steam pressure washer with the decontamination fluids drummed on-Site.
- A total of approximately 22 gallons of DNAPL were recovered during the reporting period. Since DNAPL removal activities began in December 2019, a total of 445.5 gallons of DNAPL have been removed. DNAPL recovery totals are summarized in Table 2.

The following work is planned for December 2021:

- AKRF anticipates completing DNAPL gauging and removal in December 2021 using the same methods as described above while long-term trends and alternate recovery methods are evaluated;
- NAPL recovery well monitoring and DNAPL recovery at a frequency of once every two weeks;
- Disposal, as needed, of recovered DNAPL (i.e., coal tar) and used personal protective equipment and field supplies;
- Annual groundwater sampling in accordance with the SMP; and
- Quarterly SSDS inspection.

If you have any questions or require additional information, please contact me at (914) 922-2387.

Sincerely,
AKRF, Inc.

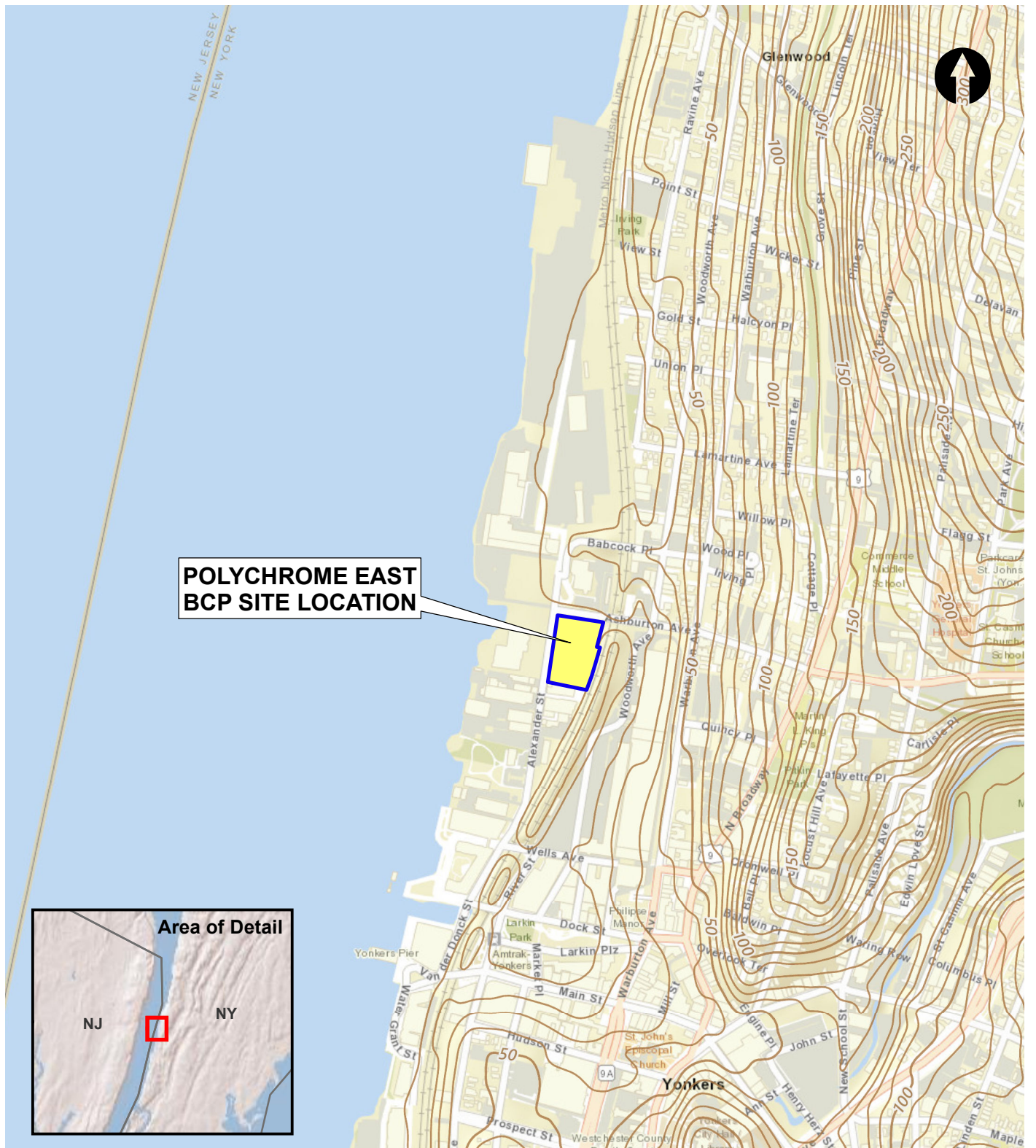


Patrick McHugh, P.E.
Environmental Engineer

- Encl.: Figure 1 – Site Location Map
 Figure 2 – Site Plan with Reference Grid
 Figure 3 – NAPL Recovery & Groundwater Monitoring Well Location Plan
 Table 1 – Polychrome East Well Gauging Measurements
 Table 2 – Polychrome East DNAPL Recovery Totals

- cc (electronic copy only): Kevin Carpenter/Scott Deyette – NYSDEC
 Saria Waugh – NYSDOH
 Glen Moran/Christopher Reynolds/Jon Vogel/Michael Simpson – AVB
 Scott Caporizzo/Marc Godick/Steve Grens/Rebecca Kinal – AKRF

©2019 AKRF Q:\Projects\180132 - AVALONBAY YONKERS - BLD 3 - PCE\Technical\GIS and Graphics\Hazmat\FER180132_Fig_1_site_loc_map.mxd 12/19/2019 3:07:42 PM mveilleux

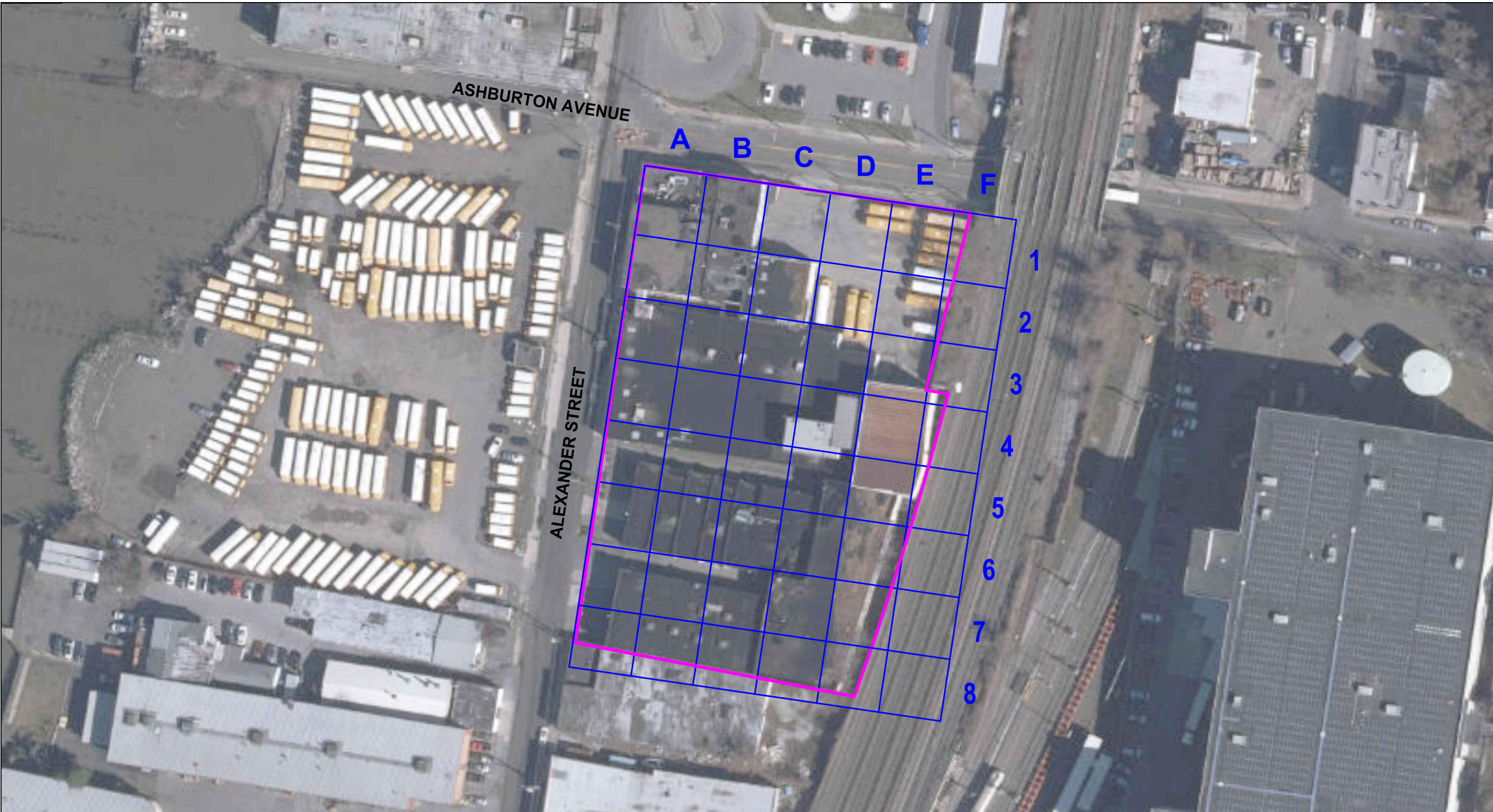


34 S. Broadway #401, White Plains, NY 10601


**Polychrome East
NYSDEC Site (BCP #C360098)
Yonkers, New York**

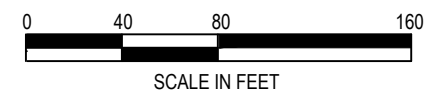
SITE LOCATION MAP

DATE	12/19/2019
PROJECT NO.	180132
FIGURE	1



LEGEND
 PROJECT SITE BOUNDARY

A
 ALPHANUMERIC GRID



Aerial Source:
 2014 New York Statewide Digital Orthoimagery.



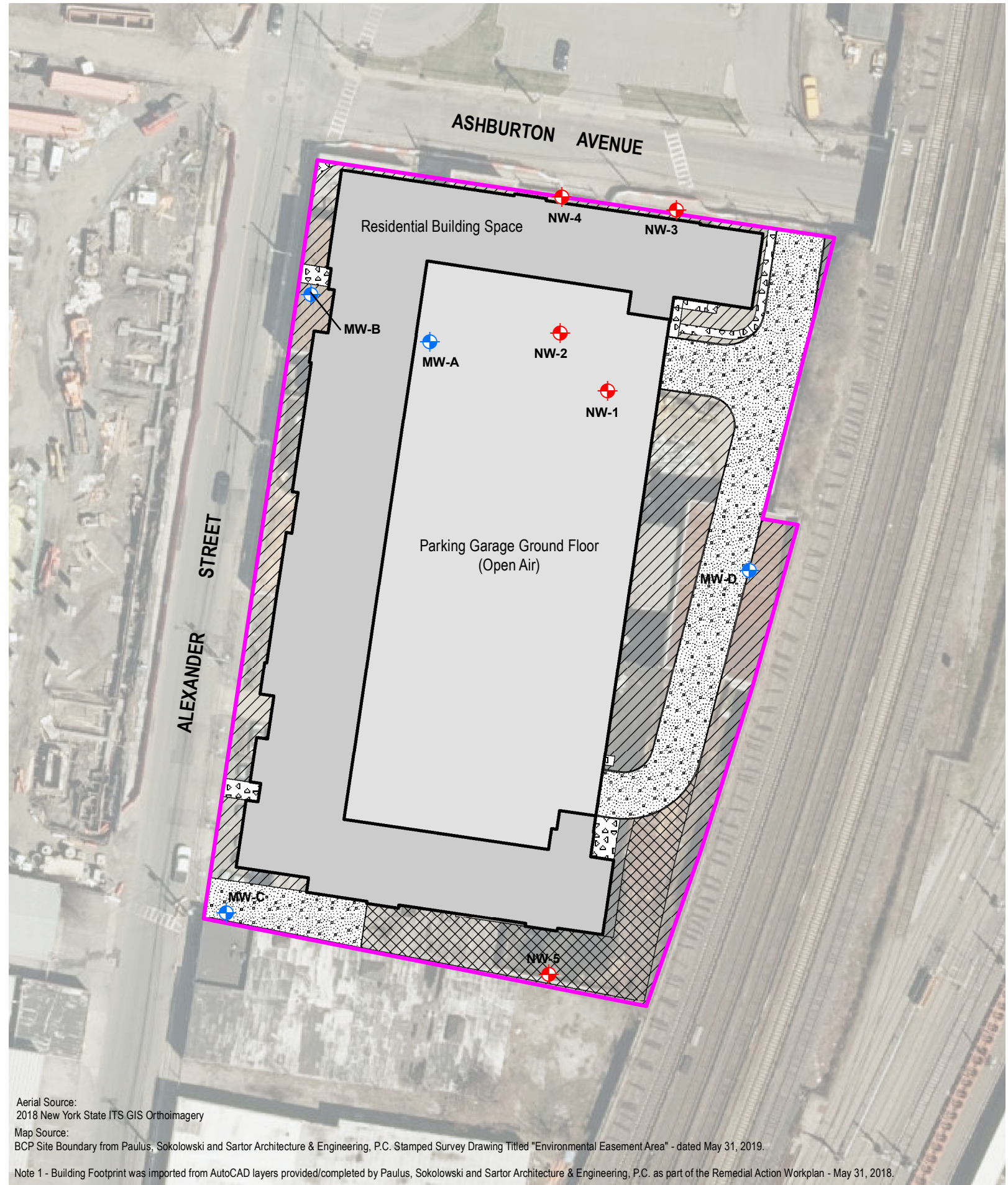
440 Park Avenue South, New York, NY 10016

C360098 - Polychrome East
 80-94 Alexander Street, Yonkers, New York

SITE PLAN WITH REFERENCE GRID

DATE	7/18/2018
PROJECT NO.	180132
FIGURE	2

©2019 AKRF, C:\Projects\180132 - AVALONBAY YONKERS - BLD 3 - PCE\Technical\GIS and Graphics\Hazmat\FER180132_Fig 7 NAPL Recovery and GW Wells.mxd 12/20/2019 8:37:10 AM mvelieux



Aerial Source:
2018 New York State ITS GIS Orthoimagery
Map Source:
BCP Site Boundary from Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. Stamped Survey Drawing Titled "Environmental Easement Area" - dated May 31, 2019.
Note 1 - Building Footprint was imported from AutoCAD layers provided/completed by Paulus, Sokolowski and Sartor Architecture & Engineering, P.C. as part of the Remedial Action Workplan - May 31, 2018.

LEGEND










-  BCP SITE BOUNDARY
-  RESIDENTIAL BUILDING SPACE
-  PARKING GARAGE (OPEN AIR)
-  SIDEWALK
-  GRASS PAVER
-  ASPHALT
-  LANDSCAPED
-  NAPL RECOVERY WELL LOCATION
-  GROUNDWATER MONITORING WELL LOCATION



Table 1
Polychrome East
Yonkers, NY
Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (Ft.)	Depth to Water (Ft.)	Depth to DNAPL (Ft.)	Total Depth (Ft.)	LNAPL Thickness (Ft.)	DNAPL Thickness (Ft.)	Comments
NW-1	10/7/2020	10:30	ND	9.30	ND	27.03	NA	NA	
	10/21/2020	8:35	ND	9.06	ND	27.08	NA	NA	
	11/4/2020	6:30	ND	8.90	ND	27.00	NA	NA	
	11/18/2020	10:15	ND	8.93	ND	28.22	NA	NA	
	12/1/2020	9:55	ND	8.70	ND	27.05	NA	NA	
	12/16/2020	8:50	ND	8.77	ND	26.89	NA	NA	
	12/29/2020	8:40	ND	8.59	ND	26.97	NA	NA	
	1/13/2021	8:25	ND	8.89	ND	26.98	NA	NA	
	1/27/2021	8:40	ND	8.95	ND	26.98	NA	NA	
	2/8/2021	9:35	ND	9.08	ND	27.02	NA	NA	
	2/24/2021	8:40	ND	8.98	ND	26.97	NA	NA	
	3/10/2021	9:50	ND	8.76	ND	27.04	NA	NA	
	3/24/2021	8:53	ND	8.92	ND	27.04	NA	NA	
	4/7/2021	8:05	ND	8.81	ND	27.62	NA	NA	
	4/21/2021	8:50	ND	8.43	ND	27.02	NA	NA	
	5/5/2021	9:12	ND	8.55	ND	26.96	NA	NA	
	5/17/2021	9:15	ND	8.61	ND	26.90	NA	NA	
	6/2/2021	9:04	ND	8.16	ND	26.91	NA	NA	
	6/16/2021	9:19	ND	8.02	ND	27.19	NA	NA	
	6/30/2021	9:16	ND	8.39	ND	26.99	NA	NA	
	7/14/2021	8:35	ND	7.54	ND	26.97	NA	NA	
	7/27/2021	7:43	ND	7.51	ND	26.85	NA	NA	
	8/11/2021	10:50	ND	8.19	ND	26.97	NA	NA	
	8/23/2021	9:25	ND	6.93	ND	27.02	NA	NA	
	9/8/2021	9:02	ND	6.99	ND	27.03	NA	NA	
	9/21/2021	10:38	ND	8.03	ND	27.04	NA	NA	
	10/7/2021	9:20	ND	8.29	ND	26.97	NA	NA	
	10/20/2021	7:15	ND	8.50	ND	27.03	NA	NA	
	11/4/2021	9:55	ND	7.81	ND	27.03	NA	NA	
	11/17/2021	8:15	ND	8.16	ND	27.03	NA	NA	
NW-2	10/7/2020	10:55	ND	9.11	ND	24.62	NA	NA	
	10/21/2020	8:30	ND	9.01	ND	24.73	NA	NA	
	11/4/2020	6:40	ND	9.00	ND	24.77	NA	NA	
	11/18/2020	10:10	ND	9.06	ND	25.69	NA	NA	
	12/1/2020	9:50	ND	8.62	ND	24.82	NA	NA	
	12/16/2020	8:55	ND	8.86	ND	24.66	NA	NA	
	12/29/2020	8:45	ND	8.79	ND	24.68	NA	NA	
	1/13/2021	8:20	ND	9.93	ND	24.72	NA	NA	
	1/27/2021	8:45	ND	8.99	ND	24.66	NA	NA	
	2/8/2021	9:40	ND	9.24	ND	24.71	NA	NA	
	2/24/2021	8:50	ND	9.06	ND	24.56	NA	NA	
	3/10/2021	9:55	ND	8.98	ND	24.68	NA	NA	
	3/24/2021	8:50	ND	8.99	ND	24.62	NA	NA	
	4/7/2021	8:10	ND	8.87	ND	24.54	NA	NA	
	4/21/2021	8:55	ND	8.58	ND	24.61	NA	NA	
	5/5/2021	9:15	ND	8.59	ND	25.61	NA	NA	
	5/17/2021	9:10	ND	8.77	ND	24.54	NA	NA	
	6/2/2021	9:04	ND	8.44	ND	24.53	NA	NA	
	6/16/2021	9:25	ND	8.19	ND	24.66	NA	NA	
	6/30/2021	9:12	ND	8.50	ND	24.63	NA	NA	
	7/14/2021	8:40	ND	7.66	ND	24.57	NA	NA	
	7/27/2021	7:41	ND	7.76	ND	24.57	NA	NA	
	8/11/2021	10:55	ND	8.38	ND	24.68	NA	NA	
	8/23/2021	9:20	ND	7.74	ND	24.59	NA	NA	
	9/8/2021	9:04	ND	7.18	ND	24.64	NA	NA	
	9/21/2021	10:39	ND	8.29	ND	24.63	NA	NA	
	10/7/2021	9:25	ND	8.50	ND	24.57	NA	NA	
	10/20/2021	7:20	ND	8.62	ND	24.61	NA	NA	
	11/4/2021	10:00	ND	8.00	ND	24.64	NA	NA	
	11/17/2021	8:20	ND	8.49	ND	24.66	NA	NA	

Table 1
 Polychrome East
 Yonkers, NY
 Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (Ft.)	Depth to Water (Ft.)	Depth to DNAPL (Ft.)	Total Depth (Ft.)	LNAPL Thickness (Ft.)	DNAPL Thickness (Ft.)	Comments
NW-3	10/7/2020	11:45	ND	6.30	16.01	18.58	NA	2.57	Pre-pumping measurement
	10/14/2020	8:00	ND	6.20	ND	18.40	NA	NA	Post-pumping measurement ~4 -gallons removed
	10/21/2020	10:10	ND	6.26	15.04	18.63	NA	3.59	Pre-pumping measurement
	10/21/2020	12:45	ND	6.26	ND	18.63	NA	NA	Post-pumping measurement ~5 -gallons removed
	11/4/2020	8:00	ND	6.30	15.55	18.72	NA	3.17	Pre-pumping measurement
	11/5/2020	8:15	ND	6.35	ND	18.74	NA	NA	Post-pumping measurement ~4 -gallons removed
	11/18/2020	11:05	ND	7.42	16.14	18.96	NA	2.82	
	11/19/2020	7:45	ND	7.41	16.12	18.95	NA	2.83	Pre-pumping measurement
	11/19/2020	8:00	ND	7.43	ND	18.97	NA	NA	Post-pumping measurement ~10 -gallons removed
	12/1/2020	10:30	ND	6.11	15.40	18.69	NA	3.29	Pre-pumping measurement
	12/2/2020	8:35	ND	6.09	ND	18.72	NA	NA	Post-pumping measurement ~30 -gallons removed
	12/16/2020	10:30	ND	6.21	16.25	18.68	NA	2.43	Pre-pumping measurement
	12/18/2020	9:45	ND	6.40	ND	18.62	NA	NA	Post-pumping measurement ~3 -gallons removed
	12/29/2020	10:30	ND	6.20	17.70	18.65	NA	0.95	
	12/30/2020	8:15	ND	6.19	17.70	18.65	NA	0.95	Pre-pumping measurement
	12/30/2020	8:45	ND	6.17	ND	18.65	NA	NA	Post-pumping measurement ~3 -gallons removed
	1/13/2021	9:55	ND	6.18	15.21	18.65	NA	3.44	
	1/14/2021	7:40	ND	6.18	15.05	18.65	NA	3.60	Pre-pumping measurement
	1/14/2021	7:50	ND	6.54	ND	18.65	NA	NA	Post-pumping measurement ~5 -gallons removed
	1/27/2021	10:25	ND	6.36	16.40	18.73	NA	2.33	
	1/28/2021	7:50	ND	6.60	16.40	18.73	NA	2.33	Pre-pumping measurement
	1/28/2021	7:55	ND	6.70	ND	18.73	NA	NA	Post-pumping measurement ~4 -gallons removed
	2/8/2021	10:30	ND	6.35	16.91	18.60	NA	1.69	
	2/11/2021	9:45	ND	6.36	16.95	18.60	NA	1.65	Pre-pumping measurement
	2/11/2021	10:00	ND	6.40	ND	18.60	NA	NA	Post-pumping measurement ~3 -gallons removed
	2/24/2021	10:00	ND	6.30	16.75	18.59	NA	1.84	
	2/25/2021	7:40	ND	6.32	16.75	18.59	NA	1.84	Pre-pumping measurement
	2/25/2021	7:45	ND	6.33	ND	18.60	NA	NA	Post-pumping measurement ~3 -gallons removed
	3/10/2021	11:10	ND	6.26	16.42	18.70	NA	2.28	
	3/11/2021	7:55	ND	6.25	16.22	18.70	NA	2.28	Pre-pumping measurement
	3/11/2021	8:10	ND	6.26	ND	18.71	NA	NA	Post-pumping measurement ~3 gallons removed
	3/24/2021	9:43	ND	6.28	17.55	18.60	NA	1.05	
	3/25/2021	8:20	ND	6.19	17.45	18.61	NA	1.16	Pre-pumping measurement
	3/25/2021	8:30	ND	6.18	ND	18.64	NA	NA	Post-pumping measurement ~4 gallons removed
	4/7/2021	8:15	ND	6.22	17.74	18.69	NA	0.95	
	4/8/2021	6:50	ND	6.21	17.68	18.69	NA	NA	Pre-pumping measurement
	4/8/2021	7:44	ND	6.26	ND	18.65	NA	NA	Post-pumping measurement ~6.5 gallons removed
	4/21/2021	9:00	ND	6.16	17.79	18.64	NA	0.85	
	4/22/2021	7:20	ND	6.18	17.40	18.64	NA	1.24	Pre-pumping measurement
	4/22/2021	7:40	ND	6.21	ND	18.64	NA	NA	Post-pumping measurement ~9 gallons removed
	5/5/2021	10:20	ND	6.21	16.75	18.63	NA	1.88	
	5/6/2021	8:00	ND	6.22	17.81	18.63	NA	0.82	Pre-pumping measurement
	5/6/2021	8:45	ND	6.24	ND	18.64	NA	NA	Post-pumping measurement ~9 gallons removed
	5/17/2021	10:10	ND	6.19	16.80	18.65	NA	1.85	
	5/20/2021	8:00	ND	6.20	16.77	18.64	NA	1.87	Pre-pumping measurement
	5/20/2021	8:20	ND	6.26	ND	18.68	NA	NA	Post-pumping measurement ~5 gallons removed
	6/2/2021	10:10	ND	6.03	16.31	18.64	NA	2.33	
	6/3/2021	7:45	ND	6.00	16.30	18.64	NA	2.34	Pre-pumping measurement
	6/3/2021	8:00	ND	6.06	ND	18.64	NA	NA	Post-pumping measurement ~5.5 gallons removed
	6/16/2021	10:15	ND	6.00	16.51	18.71	NA	2.20	
	6/17/2021	7:15	ND	6.02	16.50	18.67	NA	2.17	Pre-pumping measurement
	6/17/2021	7:55	ND	6.05	ND	18.67	NA	NA	Post-pumping measurement ~1.5 gallons removed
	6/30/2021	10:25	ND	6.15	17.10	18.72	NA	1.62	
	7/1/2021	7:25	ND	6.15	17.10	18.72	NA	1.62	Pre-pumping measurement
	7/1/2021	7:30	ND	6.18	ND	18.72	NA	NA	Post-pumping measurement ~3.4 gallons removed
	7/14/2021	10:00	ND	5.73	17.29	18.73	NA	1.44	
	7/15/2021	8:15	ND	6.05	17.30	18.71	NA	1.41	Pre-pumping measurement
	7/15/2021	8:45	ND	6.15	ND	18.71	NA	NA	Post-pumping measurement ~4.25 gallons removed
	7/27/2021	9:50	ND	5.76	17.30	18.68	NA	1.38	
	7/29/2021	7:20	ND	6.14	17.30	18.68	NA	1.38	Pre-pumping measurement
7/29/2021	7:35	ND	6.23	ND	18.68	NA	NA	Post-pumping measurement ~5.95 gallons removed	
8/11/2021	12:10	ND	6.25	16.65	18.71	NA	2.06		
8/12/2021	7:45	ND	6.23	16.65	18.71	NA	2.06	Pre-pumping measurement	
8/12/2021	7:55	ND	6.25	ND	18.71	NA	NA	Post-pumping measurement ~5.1 gallons removed	
8/23/2021	11:50	ND	5.58	17.40	18.71	NA	1.31		
8/24/2021	7:45	ND	5.80	17.40	18.71	NA	1.31	Pre-pumping measurement	
8/24/2021	7:55	ND	5.82	ND	18.71	NA	NA	Post-pumping measurement ~1.3 gallons removed	
9/8/2021	10:30	ND	5.72	16.65	18.75	NA	2.10		
9/9/2021	8:00	ND	5.71	16.65	18.75	NA	2.10	Pre-pumping measurement	
9/9/2021	8:15	ND	5.75	ND	18.75	NA	NA	Post-pumping measurement ~4.3 gallons removed	
9/21/2021	11:45	ND	6.10	16.15	18.71	NA	2.56		
9/23/2021	7:30	ND	6.16	16.15	18.71	NA	2.56	Pre-pumping measurement	
9/23/2021	8:00	ND	6.40	ND	18.71	NA	NA	Post-pumping measurement ~3 gallons removed	
10/7/2021	11:24	ND	6.13	17.35	18.65	NA	1.30		
10/8/2021	7:10	ND	6.11	17.38	18.64	NA	1.26	Pre-pumping measurement	
10/8/2021	8:10	ND	6.21	ND	18.64	NA	NA	Post-pumping measurement ~4 gallons removed	
10/20/2021	11:00	ND	6.18	18.00	18.66	NA	0.66		
10/21/2021	7:50	ND	6.18	18.00	18.66	NA	0.66	Pre-pumping measurement	
10/21/2021	8:15	ND	6.21	ND	18.66	NA	NA	Post-pumping measurement ~1.5 gallons removed	
11/4/2021	13:05	ND	6.01	17.95	18.74	NA	0.79		
11/5/2021	7:45	ND	6.04	17.79	18.73	NA	0.94	Pre-pumping measurement	
11/5/2021	8:10	ND	6.14	ND	18.73	NA	NA	Post-pumping measurement ~5.5 gallons removed	
11/17/2021	9:40	ND	6.22	17.90	18.73	NA	0.83		
11/19/2021	9:20	ND	6.25	17.90	18.73	NA	0.83	Pre-pumping measurement	
11/19/2021	9:50	ND	6.26	ND	18.73	NA	NA	Post-pumping measurement ~3.5 gallons removed	

Table 1
 Polychrome East
 Yonkers, NY
 Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (Ft.)	Depth to Water (Ft.)	Depth to DNAPL (Ft.)	Total Depth (Ft.)	LNAPL Thickness (Ft.)	DNAPL Thickness (Ft.)	Comments
NW-4	10/7/2020	11:35	ND	7.41	16.21	17.23	NA	1.02	Pre-pumping measurement
	10/14/2020	7:50	ND	7.33	ND	17.33	NA	NA	Post-pumping measurement ~4 gallons removed
	10/21/2020	9:50	ND	7.27	17.15	17.26	NA	0.11	
	11/4/2020	7:45	ND	7.37	16.07	17.33	NA	1.26	Pre-pumping measurement
	11/5/2020	8:00	ND	7.37	ND	17.35	NA	NA	Post-pumping measurement ~2 gallons removed
	11/18/2020	10:55	ND	7.48	16.25	17.86	NA	1.61	
	11/19/2020	8:15	ND	7.46	16.27	17.84	NA	1.57	Pre-pumping measurement
	11/19/2020	8:30	ND	7.48	ND	17.87	NA	NA	Post-pumping measurement ~5 gallons removed
	12/1/2020	10:40	ND	7.17	16.65	17.30	NA	0.65	Pre-pumping measurement
	12/2/2020	8:05	ND	7.14	ND	17.32	NA	NA	Post-pumping measurement ~5 gallons removed
	12/16/2020	10:50	ND	7.35	16.75	17.32	NA	0.57	Pre-pumping measurement
	12/18/2020	9:30	ND	7.40	ND	17.35	NA	NA	Post-pumping measurement ~3 gallons removed
	12/29/2020	10:20	ND	7.31	16.30	17.35	NA	1.05	
	12/30/2020	7:15	ND	7.28	16.29	17.35	NA	1.06	Pre-pumping measurement
	12/30/2020	7:45	ND	7.25	ND	17.36	NA	NA	Post-pumping measurement ~5 gallons removed
	1/13/2021	9:50	ND	7.38	16.34	17.35	NA	1.01	
	1/14/2021	7:15	ND	7.42	16.35	17.35	NA	1.00	Pre-pumping measurement
	1/14/2021	7:35	ND	7.91	ND	17.35	NA	NA	Post-pumping measurement ~5 gallons removed
	1/27/2021	10:40	ND	7.55	16.25	17.45	NA	1.20	
	1/28/2021	7:30	ND	7.60	16.25	17.45	NA	1.20	Pre-pumping measurement
	1/28/2021	7:45	ND	7.78	ND	17.45	NA	NA	Post-pumping measurement ~4 gallons removed
	2/8/2021	10:50	ND	7.48	16.80	17.40	NA	0.60	
	2/11/2021	9:30	ND	7.50	16.80	17.38	NA	0.58	Pre-pumping measurement
	2/11/2021	9:40	ND	7.60	ND	17.40	NA	NA	Post-pumping measurement ~2 gallons removed
	2/24/2021	10:10	ND	7.46	16.68	17.39	NA	0.71	
	2/25/2021	7:50	ND	7.46	16.65	17.39	NA	0.74	Pre-pumping measurement
	2/25/2021	7:55	ND	7.47	ND	17.40	NA	NA	Post-pumping measurement ~2 gallons removed
	3/10/2021	11:20	ND	7.45	17.04	17.40	NA	0.36	
	3/11/2021	7:30	ND	7.49	16.66	17.40	NA	0.74	Pre-pumping measurement
	3/11/2021	7:36	ND	7.55	ND	17.39	NA	NA	Post-pumping measurement ~2 gallons removed
	3/24/2021	9:36	ND	7.48	17.21	17.41	NA	0.20	
	3/25/2021	7:55	ND	7.39	17.18	17.38	NA	0.20	Pre-pumping measurement
	3/25/2021	8:10	ND	7.08	ND	17.39	NA	NA	Post-pumping measurement ~2 gallons removed
	4/7/2021	8:20	ND	7.22	17.30	17.40	NA	0.10	
	4/8/2021	6:45	ND	7.22	17.30	17.40	NA	0.10	Pre-pumping measurement
	4/8/2021	7:29	ND	7.31	ND	17.43	NA	NA	Post-pumping measurement ~1.5 gallons removed
	4/21/2021	9:05	ND	7.14	17.29	17.40	NA	0.11	
	4/22/2021	8:10	ND	7.17	17.11	17.40	NA	0.29	Pre-pumping measurement
	4/22/2021	8:15	ND	7.36	ND	17.39	NA	NA	Post-pumping measurement ~3 gallons removed
	5/5/2021	10:25	ND	7.00	17.11	17.35	NA	0.24	
	5/6/2021	7:45	ND	7.04	17.20	17.35	NA	0.15	Pre-pumping measurement
	5/6/2021	8:30	ND	7.08	ND	17.36	NA	NA	Post-pumping measurement ~3 gallons removed
	5/17/2021	10:00	ND	7.08	16.82	17.29	NA	0.47	
	5/20/2021	7:20	ND	7.11	16.82	17.29	NA	0.47	Pre-pumping measurement
	5/20/2021	7:40	ND	7.15	ND	17.33	NA	NA	Post-pumping measurement ~3 gallons removed
	6/2/2021	9:55	ND	6.85	16.80	17.29	NA	0.49	
	6/3/2021	7:15	ND	6.83	16.81	17.29	NA	0.48	Pre-pumping measurement
	6/3/2021	7:25	ND	6.88	ND	17.30	NA	NA	Post-pumping measurement ~2.5 gallons removed
	6/16/2021	10:05	ND	6.91	17.04	17.29	NA	0.25	
	6/30/2021	10:15	ND	6.99	17.35	17.42	NA	0.07	
7/14/2021	10:15	ND	6.63	16.80	17.42	NA	0.62		
7/15/2021	7:45	ND	6.02	16.80	17.42	NA	0.62	Pre-pumping measurement	
7/15/2021	8:00	ND	6.71	ND	17.42	NA	NA	Post-pumping measurement ~5.1 gallons removed	
7/27/2021	10:00	ND	5.80	17.20	17.41	NA	0.21		
8/11/2021	12:00	ND	6.96	17.00	17.43	NA	0.43		
8/23/2021	11:20	ND	5.96	16.90	17.48	NA	0.58		
8/24/2021	7:20	ND	6.49	16.90	17.48	NA	0.58	Pre-pumping measurement	
8/24/2021	7:35	ND	6.51	ND	17.48	NA	NA	Post-pumping measurement ~2.2 gallons removed	
9/8/2021	10:15	ND	6.40	16.90	17.43	NA	0.53		
9/9/2021	7:20	ND	6.41	16.90	17.43	NA	0.53	Pre-pumping measurement	
9/9/2021	7:35	ND	6.47	ND	17.43	NA	NA	Post-pumping measurement ~9.4 gallons removed	
9/21/2021	11:55	ND	7.02	17.15	17.45	NA	0.30		
10/7/2021	11:08	ND	7.09	17.00	17.41	NA	0.41		
10/8/2021	6:45	ND	6.93	16.98	17.41	NA	0.43		
10/20/2021	11:10	ND	7.03	16.40	17.33	NA	0.93		
10/21/2021	7:30	ND	7.05	16.40	17.33	NA	0.93	Pre-pumping measurement	
10/21/2021	7:45	ND	7.08	ND	17.33	NA	NA	Post-pumping measurement ~6 gallons removed	
11/4/2021	13:15	ND	6.90	17.25	17.45	NA	0.20		
11/17/2021	9:30	ND	7.11	16.90	17.45	NA	0.55		
11/19/2021	8:05	ND	7.17	16.90	17.45	NA	0.55	Pre-pumping measurement	
11/19/2021	9:15	ND	7.18	ND	17.45	NA	NA	Post-pumping measurement ~13 gallons removed	

Table 1
Polychrome East
Yonkers, NY
Well Gauging Measurements

Well ID	Date:	Time:	Depth to LNAPL (Ft.)	Depth to Water (Ft.)	Depth to DNAPL (Ft.)	Total Depth (Ft.)	LNAPL Thickness (Ft.)	DNAPL Thickness (Ft.)	Comments
NW-5	10/7/2020	10:20	ND	7.95	ND	10.55	NA	NA	
	10/21/2020	8:40	ND	7.67	ND	10.50	NA	NA	
	11/4/2020	6:50	ND	7.27	ND	10.62	NA	NA	
	11/18/2020	6:50	NA	NA	NA	NA	NA	NA	Inaccessible due to siding staged over well.
	12/1/2020	9:45	NA	NA	NA	NA	NA	NA	Inaccessible due to siding staged over well.
	12/16/2020	8:30	NA	NA	NA	NA	NA	NA	Inaccessible due to siding staged over well.
	12/29/2020	8:50	NA	NA	NA	NA	NA	NA	Inaccessible due to siding staged over well.
	1/13/2021	10:00	NA	NA	NA	NA	NA	NA	Inaccessible due to siding staged over well.
	1/27/2021	8:35	ND	7.48	ND	10.70	NA	NA	
	2/8/2021	9:50	ND	7.72	ND	10.57	NA	NA	
	2/24/2021	8:30	ND	7.50	ND	10.56	NA	NA	
	3/10/2021	9:40	ND	7.19	ND	10.55	NA	NA	
	3/24/2021	8:45	ND	7.45	ND	10.46	NA	NA	
	4/7/2021	8:25	ND	4.35	ND	10.49	NA	NA	
	4/21/2021	9:10	ND	4.06	ND	10.51	NA	NA	
	5/5/2021	9:19	ND	7.20	ND	10.42	NA	NA	
	5/17/2021	9:05	ND	7.20	ND	10.42	NA	NA	
	6/2/2021	8:53	ND	6.73	ND	10.44	NA	NA	
	6/16/2021	9:31	ND	6.45	ND	10.40	NA	NA	
	6/30/2021	8:45	ND	7.10	ND	10.55	NA	NA	
	7/15/2021	8:30	ND	5.84	ND	10.56	NA	NA	
	7/27/2021	8:07	ND	6.33	ND	10.38	NA	NA	
	8/11/2021	10:45	ND	6.97	ND	10.59	NA	NA	
	8/23/2021	9:15	ND	5.35	ND	10.44	NA	NA	
	9/8/2021	8:15	ND	5.50	ND	10.46	NA	NA	
	9/21/2021	9:45	ND	6.90	ND	10.57	NA	NA	
10/7/2021	8:15	ND	7.33	ND	10.41	NA	NA		
10/20/2021	7:25	ND	7.42	ND	10.52	NA	NA		
11/4/2021	10:05	ND	6.26	ND	10.55	NA	NA		
11/17/2021	7:30	ND	6.89	ND	10.62	NA	NA		

Notes: Pre/post pumping event readings are bolded.
LNAPL - Light Non-Aqueous Phase Liquid
DNAPL - Dense Non-Aqueous Phase Liquid
NA - Not Applicable

Table 2
Polychrome East
Yonkers, NY
DNAPL Recovery Totals

Recovery Event	DNAPL Recovered Volume (gal)						Disposal Info		
	NW-1	NW-2	NW-3	NW-4	NW-5	Event Total	Date Generated	Off-Site Disposal Date	Disposal Location
Dec-19	NA	NA	1.5	7	NA	8.5	12/31/2019	2/21/2020	Veolia ES
2020 Total	NA	NA	149.5	121.5	NA	271	1/9/2020 – 12/30/2020	2/21/2020 – 2/11/2021	Veolia ES
Jan-21	NA	NA	9	9	NA	18	1/14, 1/28	2/11/2021	Veolia ES
Feb-21	NA	NA	6	4	NA	10	2/11, 2/25	5/3/2021	Veolia ES
Mar-21	NA	NA	7	4	NA	11	3/11, 3/25	5/3/2021	Veolia ES
Apr-21	NA	NA	15.5	4.5	NA	20	3/11, 3/25	5/3/2021	Veolia ES
May-21	NA	NA	14	6	NA	20	5/6, 5/20	8/11/2021	Veolia ES
Jun-21	NA	NA	7	2.5	NA	9.5	6/2, 6/17	8/11/2021	Veolia ES
Jul-21	NA	NA	13.6	5.1	NA	18.7	7/1, 7/15, 7/29	8/11/2021	Veolia ES
Aug-21	NA	NA	6.4	2.2	NA	8.6	8/12/2021, 8/24/21	*Pending	Veolia ES
Sep-21	NA	NA	7.3	9.4	NA	16.7	9/9/2021, 9/23/21	Pending	Veolia ES
Oct-21	NA	NA	5.5	6	NA	11.5	10/8/21, 10/21/21	Pending	Veolia ES
Nov-21	NA	NA	9	13	NA	22	11/5/21, 11/19/21	Pending	Veolia ES
TOTAL TO DATE:						445.5	gallons		

Notes: * On August 11, 2021, Veolia ES disposed of 20 gallons of DNAPL that were generated on May 6 and 20, 2021, 9.5 gallons of DNAPL that were generated on June 3 and 17, 2021, and 18.7 gallons of DNAPL that were generated on July 1, 15, and 29, 2021. The 8.6 gallons of DNAPL that were generated on August 12 and 24, 2021, the 16.7 gallons of DNAPL that were generated on September 9, and 23, 2021, the 11.5 gallons of DNAPL that were generated on October 8 and 21, 2021, and the 22 gallons of DNAPL that were generated on November 5 and 19, 2021 are currently pending off-site disposal.

DNAPL - Dense Non-Aqueous Phase Liquid

NA - Not Applicable