



***Environmental, Planning, and Engineering Consultants***

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April 11, 2022

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

Re: Progress Report – February 2022  
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 February 2022.

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

- No intrusive soil work occurred below the final cover system at the Site during the February 2022 reporting period.
- On February 7, 24, and 25, 2022, handheld equipment was used to monitor volatile organic compounds (VOCs), oxygen, and hydrogen sulfide (H<sub>2</sub>S) 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 H<sub>2</sub>S exceedances were recorded during the DNAPL removal activities.

**Site Activities:**

- During the month of February 2022, no on-Site excavation activities below the final cover system occurred.
- On February 7 and 24, 2022, 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 next annual groundwater sampling event in December 2022. DNAPL recovery wells are equipped with 3-foot sumps. DNAPL was detected during the February 2022 monitoring events in NW-3 and NW-4 as summarized below and detailed in the attached Table 1.

Recovery Well ID	DNAPL Thickness	DNAPL Thickness
	2/7/22 (feet)	2/24/22 (feet)
NW-3	0.49	0.78
NW-4	0.50	0.68

Note: Measured DNAPL thicknesses are estimated.

- On February 25, 2022, 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 (~4 gallons total) and NW-4 (~3 gallons) utilizing a vacuum truck to apply vacuum on an internal 1-inch pipe within the recovery well. 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. DNAPL recovery was not conducted on February 8, 2022, as the DNAPL thickness in NW-3 and NW-4 did not exceed 0.5 gallons.
- A total of approximately 7 gallons of DNAPL were recovered during the reporting period. Since DNAPL removal activities began in December 2019, a total of 481 gallons of DNAPL have been removed. DNAPL recovery totals are summarized in Table 2.

The following work is planned for March:

- Disposal as needed, of recovered DNAPL (i.e., coal tar) and used PPE/field supplies; and
- Per AKRF’s February 23, 2022 email to the Department, AKRF will be coordinating with Consolidated Edison (Con Ed) to take over the DNAPL gauging and recovery work beginning in March 2022, and we will work with both NYSDEC and Con Ed to ensure a smooth transition. AKRF will still conduct the annual groundwater monitoring, conduct periodic inspections of the SSDS, annual inspections for the cover system, and prepare the Periodic Review Reports (PRRs).

If you have any questions or require additional information, please contact me at (914) 922-2354.

Sincerely,  
AKRF, Inc.



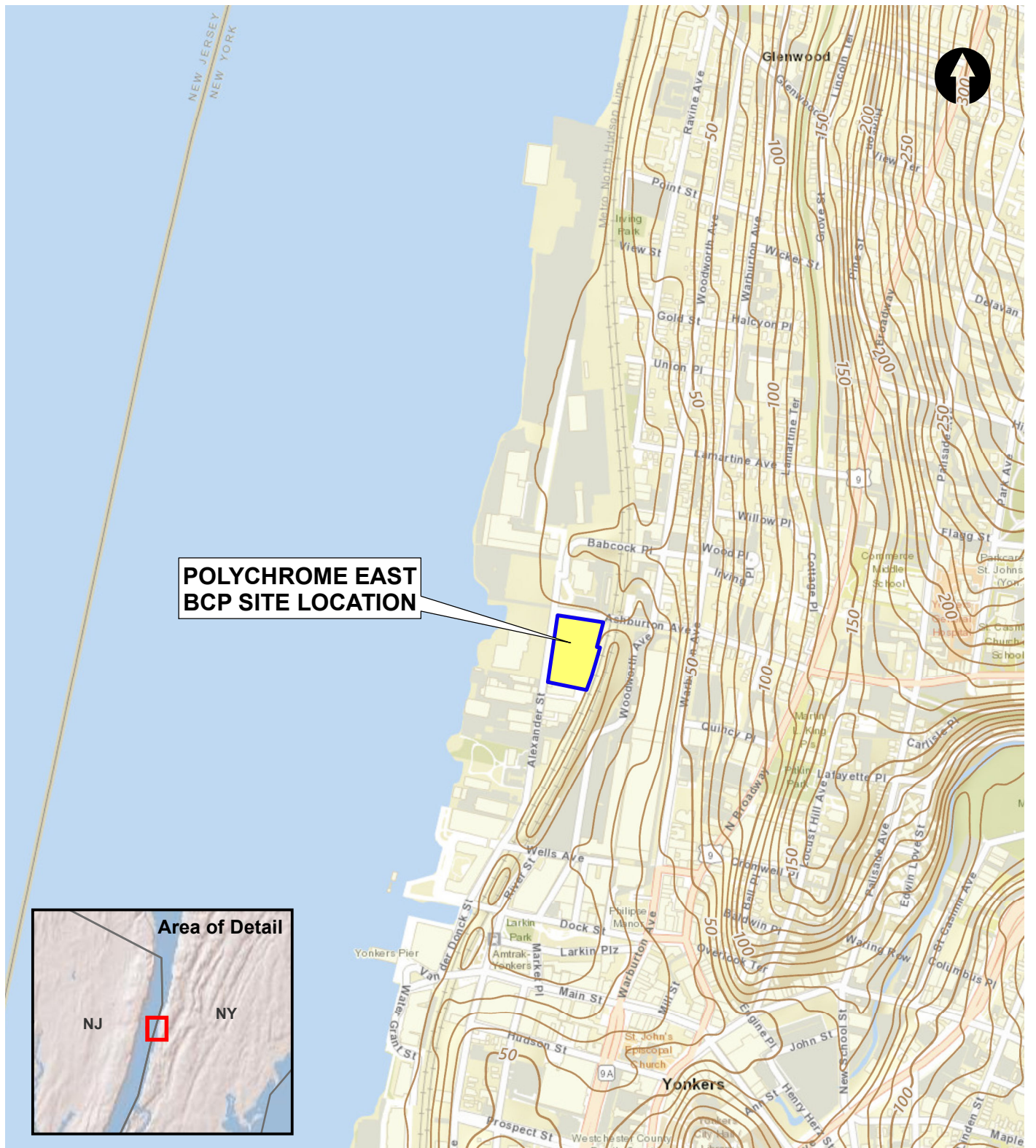
Marc Godick  
Senior Vice President

- 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/Steve Grens/Rebecca Kinal/John Sulich– AKRF

## **ATTACHMENTS**

©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



Service Layer Credits: ESRI Worldwide Street Map data, 2019.

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.

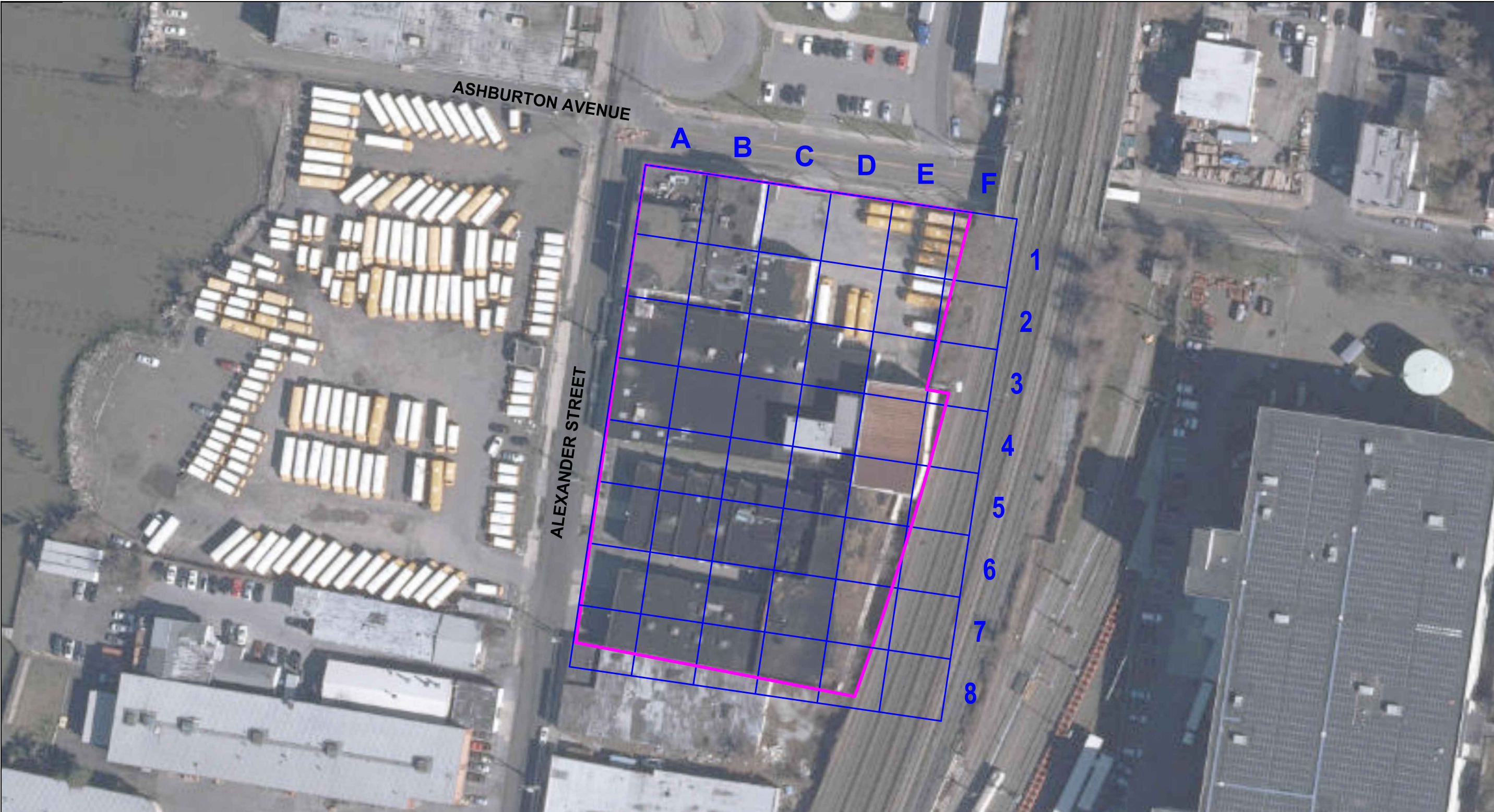


34 S. Broadway #401, White Plains, NY 10601


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

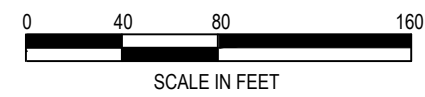
**SITE LOCATION MAP**

DATE	<b>12/19/2019</b>
PROJECT NO.	<b>180132</b>
FIGURE	<b>1</b>



**LEGEND**  
 PROJECT SITE BOUNDARY

**A**  
 ALPHANUMERIC GRID



Aerial Source:  
 2014 New York Statewide Digital Orthoimagery.

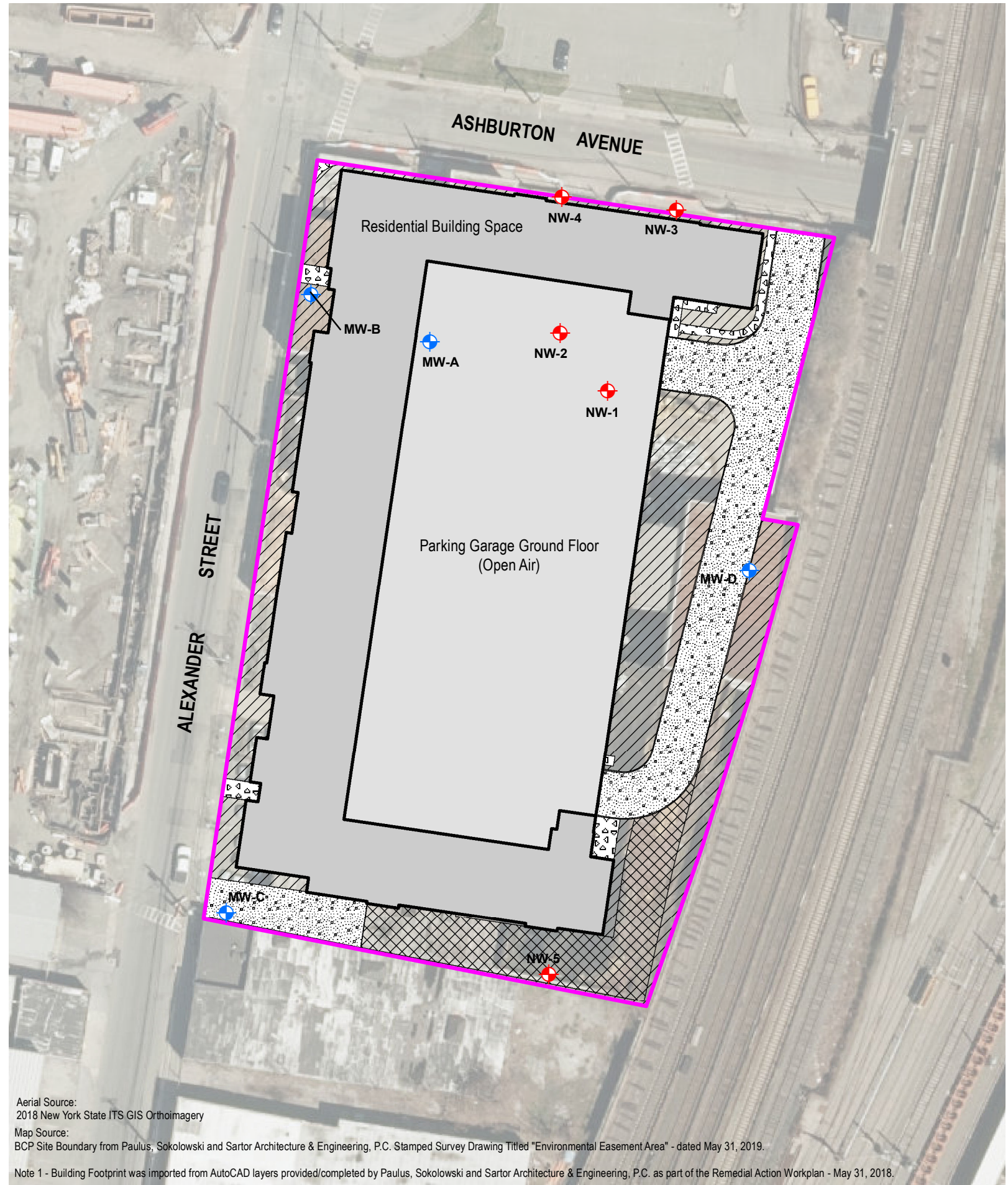


440 Park Avenue South, New York, NY 10016

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

**SITE PLAN WITH REFERENCE GRID**

DATE	<b>7/18/2018</b>
PROJECT NO.	<b>180132</b>
FIGURE	<b>2</b>



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



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

**NAPL RECOVERY AND GROUNDWATER MONITORING WELLS**

DATE	12/20/2019
PROJECT NO.	180132
FIGURE	3

**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	
12/1/2021	8:55	ND	8.83	ND	26.99	NA	NA		
12/14/2021	7:50	ND	9.23	ND	26.98	NA	NA		
12/28/2021	9:30	ND	9.34	ND	27.02	NA	NA		
1/13/2022	8:50	ND	9.17	ND	27.01	NA	NA		
1/27/2022	8:40	ND	9.19	ND	27.02	NA	NA		
2/7/2022	8:55	ND	9.10	ND	27.01	NA	NA		
2/24/2022	8:40	ND	9.11	ND	27.04	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	
12/1/2021	9:00	ND	9.00	ND	24.59	NA	NA		
12/14/2021	7:55	ND	9.37	ND	24.63	NA	NA		
12/28/2021	9:40	ND	9.33	ND	24.62	NA	NA		
1/13/2022	8:55	ND	9.34	ND	24.62	NA	NA		
1/27/2022	8:45	ND	9.28	ND	24.62	NA	NA		
2/7/2022	9:00	ND	9.13	ND	24.62	NA	NA		
2/24/2022	8:45	ND	9.19	ND	24.63	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	



**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 (cont.)	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	
	12/1/2021	11:15	ND	6.25	18.01	18.72	NA	0.71		
	12/2/2021	8:10	ND	6.40	18.01	18.72	NA	0.71	Pre-pumping measurement	
	12/2/2021	8:25	ND	6.42	ND	18.72	NA	NA	Post-pumping measurement ~3.5 gallons removed	
	12/14/2021	12:05	ND	6.44	18.15	18.71	NA	0.56		
	12/15/2021	9:05	ND	6.43	18.15	18.71	NA	0.56	Pre-pumping measurement	
	12/15/2021	9:15	ND	6.45	ND	18.71	NA	NA	Post-pumping measurement ~4 gallons removed	
	12/28/2021	9:50	ND	6.39	18.36	18.71	NA	0.35		
	1/13/2022	10:15	ND	6.42	17.76	18.71	NA	0.95		
	1/14/2022	8:00	ND	6.42	17.76	18.71	NA	0.95	Pre-pumping measurement	
	1/14/2022	8:05	ND	6.36	ND	18.71	NA	NA	Post-pumping measurement ~8 gallons removed	
	1/27/2022	8:05	ND	6.42	18.32	18.70	NA	0.38		
	2/7/2022	10:15	ND	6.31	18.21	18.70	NA	0.49		
	2/24/2022	8:00	ND	6.28	17.93	18.71	NA	0.78		
	2/25/2022	8:00	ND	6.28	17.93	18.71	NA	0.78	Pre-pumping measurement	
	2/25/2022	8:05	ND	6.36	ND	18.71	NA	NA	Post-pumping measurement ~4 gallons removed	
	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			

**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 (cont.)	8/23/2021	11:20	ND	5.96	16.90	17.48	NA	0.58	
	<b>8/24/2021</b>	<b>7:20</b>	<b>ND</b>	<b>6.49</b>	<b>16.90</b>	<b>17.48</b>	<b>NA</b>	<b>0.58</b>	Pre-pumping measurement
	<b>8/24/2021</b>	<b>7:35</b>	<b>ND</b>	<b>6.51</b>	<b>ND</b>	<b>17.48</b>	<b>NA</b>	<b>NA</b>	Post-pumping measurement ~2.2 gallons removed
	9/8/2021	10:15	ND	6.40	16.90	17.43	NA	0.53	
	<b>9/9/2021</b>	<b>7:20</b>	<b>ND</b>	<b>6.41</b>	<b>16.90</b>	<b>17.43</b>	<b>NA</b>	<b>0.53</b>	Pre-pumping measurement
	<b>9/9/2021</b>	<b>7:35</b>	<b>ND</b>	<b>6.47</b>	<b>ND</b>	<b>17.43</b>	<b>NA</b>	<b>NA</b>	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	
	<b>10/21/2021</b>	<b>7:30</b>	<b>ND</b>	<b>7.05</b>	<b>16.40</b>	<b>17.33</b>	<b>NA</b>	<b>0.93</b>	Pre-pumping measurement
	<b>10/21/2021</b>	<b>7:45</b>	<b>ND</b>	<b>7.08</b>	<b>ND</b>	<b>17.33</b>	<b>NA</b>	<b>NA</b>	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	
	<b>11/19/2021</b>	<b>8:05</b>	<b>ND</b>	<b>7.17</b>	<b>16.90</b>	<b>17.45</b>	<b>NA</b>	<b>0.55</b>	Pre-pumping measurement
	<b>11/19/2021</b>	<b>9:15</b>	<b>ND</b>	<b>7.18</b>	<b>ND</b>	<b>17.45</b>	<b>NA</b>	<b>NA</b>	Post-pumping measurement ~13 gallons removed
	12/1/2021	11:00	ND	7.27	17.19	17.40	NA	0.21	
	12/14/2021	12:10	ND	7.47	16.90	17.47	NA	0.57	
	<b>12/15/2021</b>	<b>8:40</b>	<b>ND</b>	<b>7.53</b>	<b>16.90</b>	<b>17.47</b>	<b>NA</b>	<b>0.57</b>	Pre-pumping measurement
	<b>12/15/2021</b>	<b>8:50</b>	<b>ND</b>	<b>7.55</b>	<b>ND</b>	<b>17.47</b>	<b>NA</b>	<b>NA</b>	Post-pumping measurement ~8 gallons removed
	12/28/2021	10:00	ND	7.44	17.15	17.47	NA	0.32	
	1/13/2022	10:30	ND	7.41	16.79	17.48	NA	0.69	
	<b>1/14/2022</b>	<b>7:30</b>	<b>ND</b>	<b>7.53</b>	<b>16.79</b>	<b>17.47</b>	<b>NA</b>	<b>0.68</b>	Pre-pumping measurement
	<b>1/14/2022</b>	<b>7:35</b>	<b>ND</b>	<b>7.39</b>	<b>ND</b>	<b>17.48</b>	<b>NA</b>	<b>NA</b>	Post-pumping measurement ~5 gallons removed
	1/27/2022	7:25	ND	7.39	17.49	17.71	NA	0.22	
	2/7/2022	9:10	ND	7.41	16.99	17.49	NA	0.50	
	2/24/2022	7:30	ND	7.53	16.79	17.47	NA	0.68	
	<b>2/25/2022</b>	<b>7:30</b>	<b>ND</b>	<b>7.53</b>	<b>16.79</b>	<b>17.47</b>	<b>NA</b>	<b>0.68</b>	Pre-pumping measurement
<b>2/25/2022</b>	<b>7:35</b>	<b>ND</b>	<b>7.40</b>	<b>ND</b>	<b>17.48</b>	<b>NA</b>	<b>NA</b>	Post-pumping measurement ~3 gallons removed	
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	
	12/1/2021	8:50	ND	7.54	ND	10.49	NA	NA	
	12/14/2021	7:45	ND	7.89	ND	10.58	NA	NA	
12/28/2021	10:15	ND	8.03	ND	10.51	NA	NA		
1/13/2022	8:45	ND	7.73	ND	10.51	NA	NA		
1/27/2022	8:50	ND	7.66	ND	10.50	NA	NA		
2/7/2022	10:10	ND	7.19	ND	10.51	NA	NA		
2/24/2022	8:50	ND	7.58	ND	10.53	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
<b>Dec-19</b>	NA	NA	1.5	7	NA	8.5	12/31/2019	2/21/2020	Veolia ES
<b>2020 Total</b>	NA	NA	149.5	121.5	NA	271	1/9/2020 – 12/30/2020	2/21/2020 – 2/11/2021	Veolia ES
<b>2021 Total</b>	NA	NA	107.8	73.7	NA	181.5	1/14/2021 TO 2/15/2021	2/11/2021 - 12/17/2021	Veolia ES
<b>Jan-22</b>	NA	NA	8	5	NA	13	1/24/2022	Pending	Veolia ES
<b>Feb-22</b>	NA	NA	4	3	NA	7	2/25/2022	Pending	Veolia ES
<b>TOTAL TO DATE:</b>						<b>481</b>	gallons		

**Notes:** \* On December 17, 2021, Veolia ES disposed of 55 gallons of DNAPL, including 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 18.2 gallons of DNAPL that were generated on November 5 and 19, 2021. The remaining 3.8 gallons of DNAPL that were generated on November 19, 2021, the 15.5 gallons of DNAPL that were generated on December 2 and 15, 2021, the 13 gallons of DNAPL that were generated on 1/14/2022, and the 7 gallons of DNAPL that were generated on February 25, 2022 are currently pending off-site disposal.  
**DNAPL - Dense Non-Aqueous Phase Liquid**  
**NA - Not Applicable**