SITE MANAGEMENT PLAN STATUS REPORT
REPORT PERIOD: OCTOBER 1, 2023 THROUGH DECEMBER 31, 2023

HARMON RAILROAD YARD
OPERABLE UNITS: OU-I AND OU-II
WESTCHESTER COUNTY, NEW YORK
SITE NO. 3-60-010

SUMMARY OF WORK COMPLETED DURING THE REPORTING PERIOD: This status report summarizes the remedial actions and monitoring completed between October 1, 2023 and December 31, 2023 at the Harmon Railroad Yard Operable Units: OU-I and OU-II, Westchester County, New York, NYSDEC Site No. 3-60-010 (the Site). This status report was prepared in accordance with the provisions presented in the document titled *Metro-North Railroad, Harmon Railroad Yard, Westchester, County, New York, Site Management Plan OU-I and OU-II, NYSDEC Site Number: 3-60-010* dated December 2011 as revised November 11, 2012, January 31, 2015, and January 31, 2016 (the SMP). During this report period, depth to free product and groundwater measurements were completed as outlined in the SMP and free product was removed from select wells. Depth to free product and static water level measurements were also made in off-site monitoring wells that were installed in September 2016.

DEPTH TO GROUNDWATER AND FREE PRODUCT MEASUREMENTS: The wells monitored, and the depth to groundwater and free product measurements completed during this report period are presented on the logs included in Attachment A. A groundwater contour map developed using static water levels measured on October 19, 2023 is included as Figure 1.

FREE PRODUCT REMOVAL RECORDS: The monitoring logs in Attachment A document the amount of free product removed (if any) from specific wells during this report period. A summary of the amount of free product removed from each well during the current report period is presented in Table 1. The total amount of free product removed from each well during prior report periods (i.e., between December 1, 2012 and September 30, 2023) is summarized in Table 2. A spider diagram presenting the maximum free product thicknesses measured, and the amount of free product removed from select wells during the current report period (i.e., between October 1, 2023 and December 31, 2023), and the preceding report period (i.e., between June 1, 2023 and September 30, 2023) is included as Figure 2.

During the report period, wells RW-1 and AI2-3 contained Spill Buster™ systems (i.e., a pumping system that continuously monitors/removes free product). A portable Spill Buddy™ was used to remove free product from other wells containing sufficient amounts of free product. [Note: A Spill Buster™ system was formerly located in well FA4-8; however, this system is no longer functional. In addition, the Spill Buddy™ is reportedly no longer operational. The Spill Buster™ and Spill Buddy™ systems were purchased from Clean Earth Technology. Reportedly, Spill Buster™ and Spill Buddy™ systems are no longer available for purchase or repair.]

- Compared to the previous report period (i.e., July 1, 2023 to September 30, 2023), lower amounts of free product were removed from wells RW-1 and AI2-3 in the current report period (i.e., October 1, 2023 to December 31, 2023). Specifically, free product was not removed from well AI2-3 during the current report period compared to 14.8 gallons in the previous report period and 2.5 gallons of free product were removed from well RW-1 during the current report period compared to 37.6 gallons of free product removed from well RW-1 in the previous

report period. Free product was not removed from well FA4-8 during the current or previous report periods.

A total of approximately 7.9 gallons of free product was removed from wells at the Site during the current report period. Most of the free product was removed from NAPL Area L4 (i.e., approximately 5.75 gallons). The total amount of free product removed in the previous reporting period (i.e., between July 1, 2023 to September 30, 2023) was approximately 58.9 gallons. In a similar calendar period (i.e., between October 1, 2022 to December 31, 2022) 175.6 gallons were removed. Since January 1, 2013, approximately 5,134 gallons of free product or approximately 111 gallons per reporting period (i.e., every three months) have been removed from the Site.

The free product removed is placed in 55-gallon drums, which are stored in a waste accumulation area. Samples were not collected for testing in the current report period. Four drums of free product, tested during a previous report period, were removed from the Site for disposal in the current report period. The disposal manifest is included in Attachment B.

Note: On November 2, 2018, a request was submitted to the NYSDEC to change the disposal requirements of the collected free product. Specifically, since PCBs have not been detected in samples of free product removed from OU-II wells at concentrations greater than 50 parts per million (ppm) since August 26, 2002, MNR requested that further disposal of free product collected from OU-II wells be disposed of as non-hazardous petroleum waste provided that waste characterization testing confirms PCB concentrations below 50 ppm. In the event a PCB concentration in excess of 50 ppm is detected in a free product accumulation drum, the contents of the drum would be disposed of as a TSCA regulated waste. NYSDEC approved this request in a letter dated January 4, 2019.

GROUNDWATER SAMPLING AND TESTING: Groundwater sampling and testing of wells located in OU-II was not completed during the report period. However, a summary of the detected constituents in the groundwater samples collected between March 2012 (i.e., the initial quarter completed under the SMP) and March 2023 (i.e., the most recent sampling event) is included in the tables listed below for reference purposes. The results of field duplicate, field blank, and trip blank samples collected during the monitoring events are included on the summary tables. MS/MSD results are included in the reports prepared by the analytical laboratory.

- volatile organic compounds (VOCs), (Table 3);
- semi-volatile organic compounds (SVOCs), (Table 4);
- PCBs (Table 5);
- metals (Table 6); and
- per- and polyfluorinated alkyl substances (PFAS) and 1,4-dioxane (Table 7).

The next groundwater sampling event is currently scheduled to be completed in August 2024. During the August 2024 sample event, samples will be collected from monitoring wells VE1-2, VE1-4, VE2-1, VE3-1, VE4-11, and DAY-1. These samples will be submitted to an analytical laboratory for testing of volatile organic compounds, semi-volatile organic compounds, polychlorinated biphenyls, and select metals. Samples will be collected from monitoring wells VE1-4, VE2-1, and VE4-11 and tested for PFAS and 1,4-dioxane. Quality assurance/quality control samples that will be collected during the August 2024 sampling event include: a field duplicate, MS/MSD, trip blank (VOCs and PFAS only), and an equipment blank. Samples will also be collected from five on-site monitoring wells (i.e., FA4-

9, FA4-16, VE4-7, VE4-9, and PGW-2) and six off-site monitoring wells (i.e., OUII-A through OUII-F) and tested for PCBs. No additional QA/QC samples will be collected/tested from these monitoring wells. [Note: If sufficient free product is present in any of these eleven monitoring wells, a sample of the free product will be submitted for testing of PCBs.] Laboratory packages will be submitted for data validation.

OFF-SITE MONITORING WELLS: Off-Site monitoring wells designated OUII-A through OUII-F were installed between September 20 and 22, 2016 (refer to Figure 1 for locations). Static water level and free product thickness measurements in these monitoring wells commenced on October 4, 2016. The results of the monitoring completed during the current report period for these wells are provided in Attachment C. As shown, free product was observed in monitoring wells OUII-A, OUII-B, OUII-D, OUII-E, and OUII-F, ranging in thickness between 0.01 ft. (monitoring well MW-E) and 1.67 ft. (monitoring well MW-D). Free product was not recovered from the off-site monitoring wells during the report period.

Table 8 presents the range of static water levels and the free product thickness measured in each of the off-site wells during the monitoring events completed to date. Figure 3 shows the average free product thickness detected in the off-site monitoring wells by report period. Historically, free product has been consistently detected in off-site wells OUII-A, OUII-B, OUII-D, and OUII-F; and occasionally detected in off-site well OUII-C and OUII-E. [Note: Free product was detected in well OUII-E on one occasion in the previous report period and once in the current report period at a reported thickness of 0.01 ft. on both occasions. These measurements may have been the result of equipment error.] As shown on Figure 3, the amount of free product in the off-site wells is seasonally affected, with the highest amounts in the late summer and fall seasons. Except for OUII-D, which had a decreasing trend during the summer months in 2017 through 2021, but an increase in 2022 and 2023; the thicknesses of free product measured in the off-site monitoring wells during this period are comparable or lower to the thicknesses measured in previous report periods during a similar timeframe (i.e., October through December). The average thickness of free product detected in the off-site wells has generally decreased, or remained consistent, since monitoring began in 2016.

Hydrographs depicting the uncorrected groundwater elevation and free product elevation in each off-site monitoring well are provided in Attachment C.

AREA L1 SHEET PILE WALL WELLS: Monitoring well WB-9 is located at the southern terminus of the sheet pile wall installed along the western boundary of Area L1 and monitoring well SP-North is located at the northern terminus of the sheet pile wall in Area L1 (refer to Figure 1). Routine monitoring of WB-9 commenced on November 16, 2016, and on October 4, 2016 for SP-North to evaluate the potential for free product to migrate around the sheet pile wall. To date, free product has only been detected on two occasions in SP-North (i.e., a reported thickness of 0.03 ft. on March 15, 2017, and a reported thickness of 0.11 ft. on March 20, 2020). Free product was reportedly detected in well WB-9 on November 13, 2023 at a thickness of 0.01 ft. The validity of these reported free product thickness measurements is questionable (e.g., free product has not been detected in well SP-North subsequent to the March 20, 2020 monitoring event and free product has not been previously been detected in well WB-9.). The static water level and free product thickness records completed during this report period for these wells are provided in Attachment A.

BI-ANNUAL OU-I AND OU-II INSPECTION: The most recent bi-annual inspection of OU-I and OU-II was completed on October 13, 2023 by MNR. A copy of the inspection completed on October 13, 2023 is provided in Attachment D.

During the October 13, 2023 inspection of the OU-I and OU-II areas, the following item requiring corrective actions were identified.

- Repair of stick-up well AI 1-11 is required. Reportedly, the PVC was knocked over and sheared at ground level.

The next bi-annual inspection is scheduled for April 2024.

EMERGENCY OU-I AND OU-II INSPECTION: Emergency inspections of OU-I and OU-II were not required during the current report period.

WORK ANTICIPATED FOR THE UPCOMING REPORT PERIOD AND SCHEDULE: During the upcoming reporting period (i.e., between January 1, 2024 and March 31, 2024), free product and groundwater monitoring will continue in accordance with the schedule presented in the SMP (i.e., as modified by the schedule presented in the March 2014 CAP). It is anticipated that free product will be removed from wells RW-1 and AI2-3 using the Spill Buster™ systems, or alternative methods if deemed necessary. Alternative measures will be required to remove free product from other wells since the Spill Buddy™ is reportedly no longer operational. MNR is currently in the process of identifying alternative options (e.g., dedicated auto bailers, peristaltic pump, alternative product only pumps, etc.), and the results of this evaluation will be presented in a subsequent status report. The off-site monitoring wells will continue to be monitored on a weekly basis and free product removed if warranted.

Note: If 0.5 ft. or more of free product is measured in on-site wells; it should be removed. If 1.0 feet, or more, of free product is encountered in any off-site monitoring well (i.e., OUII-A through OUII-F) it should be removed using a bailer or other appropriate method.

In the event free product drums are filled during the next reporting period, samples should be collected and tested, as outlined in the SMP. Following testing, full free product drums should be transported off the Site and disposed of in accordance with applicable regulations. [Note: If PCB concentrations are below 50 ppm, the drum contents will be disposed of as a non-hazardous petroleum waste. If a PCB concentration in excess of 50 ppm is detected in a free product accumulation drum, the contents of the free product drum will be disposed of as a TSCA regulated waste.]

Monitoring well VE 3-1 should be developed to remove the apparent blockage encountered in August 2022 and March 2023. If the apparent blockage observed cannot be removed, a replacement well will be required.

Monitoring well AI 1-11 should be repaired and secured by having the PVC cut flush and a j-plug secured at the top of the PVC casing.

The next OU-I/OU-II inspection is due on or about April 30, 2024. The next groundwater sampling and testing will be completed on, or about, August 31, 2024. A SMP status report for the work completed during the upcoming period (i.e., January 1, 2024 through March 31, 2024) will be submitted in April 2024.

If free product is identified in either WB-9 or SP-North additional measurements should be made on subsequent days. In the event free product is confirmed, the free product should be removed with a bailer, and the well(s) checked in subsequent days to assess the presence of free product and the need for additional remedial measures.

If comments are received from the NYSDEC on the August 31, 2022 document describing an alternative approach to assess the free product impact in the OUII area during the upcoming period, the document should be revised and work described should be initiated, as appropriate.

A PRR for the reporting period January 1, 2022 through January 1, 2025, will be submitted on, or before, January 31, 2025.

Tables

Table 1: Free Product Removal Totals: October 1, 2023 through December 31, 2023
Table 2: Historic Free Product Removal Totals: December 1, 2012 through September 30, 2023
Table 3: Summary of VOCs: Groundwater Samples
Table 4: Summary of SVOCs: Groundwater Samples
Table 5: Summary of PCBs: Groundwater Samples
Table 6: Summary of Metals: Groundwater Samples
Table 7: Summary of Emerging Contaminants: Groundwater Samples
Table 8: Off-Site Wells Static Water Levels and Range of Free Product Thickness

Figures

Figure 1: Groundwater Contour Map: October 2023
Figure 2: Summary of Free Product Removal for the Report Periods October 1, 2023 – December 31, 2023 and July 1, 2023 – September 30, 2023
Figure 3: Average Thickness of Free Product in Off-Site Wells by Report Period

Attachments

Attachment A: Well Monitoring Logs and Free Product Removal Records: October 1, 2023 – December 31, 2023
Attachment B: Drum Disposal Manifest
Attachment C: Off-Site Monitoring Well Hydrographs
Attachment D: Site Inspection

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TABLES

Table 1

Harmon Railroad Yard
OU-I and OU-II
Westchester County, New York
Site No. 3-60-010

Free Product Removal Totals
Current Report Period: October 1, 2023 through December 31, 2023

OU I	
Well ID	Gallons Removed
V1	0
V2	0
V3	0
V4	0.25
Total	**0.25**

OU II

Free Product AREA L1	
Well ID	Gallons Removed
AI1-1	0
AI1-4	0
AI1-8	0
AI1-11	0
AI1-12	0
AI1-15	0
AI1-16	0
AI1-17	0
SP-North	0
VE1-1	1.9
VE1-2	0
VE1-3	0
VE1-4	0
WB-9	0
Total	**1.875**

Free Product AREA L2	
Well ID	Gallons Removed
AI2-2	0
AI2-3*	0
VE2-1	0
Total	**0**

Free Product AREA L3	
AI3-4	0
AI3-5	NM
AI3-6	0
VE3-1	0
Total	**0**

Free Product AREA L4	
Well ID	Gallons Removed
DAY-1	0
FA4-8*	0
FA4-9	0
FA4-10	NM
FA4-11	0
FA4-12	0
FA4-13	0
FA4-14	0.75
FA4-15	0
FA4-16	0
FA4-17	1.25
FA4-18	0
FA4-19	NM
FA4-20	0
FA4-21	0
FA4-23	0
PGW-2	0
RW-1*	2.5
VE4-1	0
VE4-5	1.25
VE4-6	0
VE4-7	0
VE4-8	0
VE4-9	0
VE4-10	0
VE4-11	0
VE4-12	0
VE4-13	NM
Total	**5.75**

NM = Not measured
*Free product was removed from these wells using a Spill Buster™ system (i.e., a system installed within the well that continuously monitors/removes free product) and from other locations using a portable Spill Buddy™.]

Free product was removed from other locations using a portable Spill Buddy™

Table 2

Harmon Railroad Yard
OU-I and OU-II
Westchester County, New York
Site No. 3-60-010

HIstoric Free Product Removal Totals (i.e., Prior to Current Report Period)
December 1, 2012 - September 30, 2023

OU I	
Well ID	Gallons Removed
V1	5.18
V2	5.235
V3	19.08
V4	167.31
Total	**196.805**

OU II

Free Product AREA L1	
Well ID	Gallons Removed
AI1-1	0.03
AI1-4	0.04
AI1-8	0.06
AI1-11	0.122
AI1-12	0.18
AI1-15	0.38
AI1-16	0
AI1-17	9.14
VE1-1	24.89
VE1-2	0.01
VE1-3	0.1
VE1-4	0
Total	**34.882**

Free Product AREA L2	
Well ID	Gallons Removed
AI2-2	1.63
AI2-3*	1086.43
VE2-1	0
Total	**1088.06**

Free Product AREA L3	
AI3-4	0.34
AI3-6	0.5
VE3-1	15.88
Total	**16.72**

Free Product AREA L4	
Well ID	Gallons Removed
DAY-1	0
FA4-8*	616.26
FA4-9	4.48
FA4-10	0.13
FA4-11	160.47
FA4-12	13.67
FA4-13	101.8
FA4-14	314.44
FA4-15	87.79
FA4-16	76.56
FA4-17	90.6
FA4-18	120.22
FA4-19	0
FA4-20	0
FA4-21	0.54
FA4-23	1.17
PGW-2	23.83
RW-1*	1917.4
VE4-1	0
VE4-5	239.41
VE4-6	2.26
VE4-7	0.08
VE4-8	2.92
VE4-9	9.41
VE4-10	5.56
VE4-11	1
VE4-12	0
VE4-13	0
Total	**3790.00**

NM = Not measured
*Free product was removed from these wells using a Spill Buster™ system (i.e., a system installed within the well that continuously monitors/removes free product) and from other

Free product was removed from other locations using a portable Spill Buddy™

Table 3
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Detected Volatile Organic Compounds
Groundwater Samples

Compound	Groundwater Standard or Guidance Value [(1)]	Test Location and Sample Date																												
		VE 1-2															VE 1-4													
		3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/17/16	8/2/17	11/27/18	9/10/19	6/3/20	8/25/21	8/11/22	Duplicate 08-11-22	3/9/23	3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/18/16	8/2/17	11/27/18	9/10/19	6/3/20	8/24/21	8/11/22	3/9/23	03092023DUP
1,2,4-Trimethylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.20]	ND [1.0]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.20]	ND [1.0]	ND [1.0]	ND [1.0]
1,3,5-Trimethylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.14]	ND [0.14]	ND [0.25]	ND [1.0]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.14]	ND [0.14]	ND [0.25]	ND [1.0]	ND [1.0]	ND [1.0]
Benzene	1	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.10]	ND [0.10]	ND [0.18]	ND [0.50]	ND [0.50]	ND [0.5]	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.10]	ND [0.10]	ND [0.18]	ND [0.50]	ND [0.5]	ND [0.5]
Chlorobenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	NT	ND [0.080]	ND [0.080]	ND [0.17]	ND [1.0]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	NT	ND [0.080]	ND [0.080]	ND [0.17]	ND [1.0]	ND [1.0]	ND [1.0]
Ethylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.080]	ND [0.080]	ND [0.18]	ND [1.0]	ND [1.0]	ND [1.0] J	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.080]	ND [0.080]	ND [0.18]	ND [1.0]	ND [1.0]	ND [1.0] J
Isopropylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.13]	ND [0.13]	ND [0.23]	ND [1.0]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.13]	ND [0.13]	ND [0.23]	ND [1.0]	ND [1.0]	ND [1.0]
Methyl tert-butyl ether (MTBE)	10	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.070]	ND [0.070]	ND [0.22]	ND [1.0]	ND [0.87]	ND [0.87] J	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.070]	ND [0.070]	ND [0.22]	ND [0.87]	ND [0.87]	ND [0.87] J
Naphthalene	10	1.7 J, B	ND [10]	1.4 J	ND [10]	ND [10]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	NT	NT	NT	ND [0.87]	ND [1.0]	ND [1.0]	0.93 J, B	ND [10]	ND [10]	ND [10]	ND [10]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	NT	NT	NT	ND [1.0]	ND [1.0]	ND [1.0]
n-Butylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.19]	ND [1.0]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.19]	ND [1.0]	ND [1.0] J	ND [1.0]
n-Propylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.24]	ND [1.0]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.24]	ND [1.0]	ND [1.0]	ND [1.0]
o-Xylene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.13]	ND [0.13]	ND [0.19]	ND [1.0]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.13]	ND [0.13]	ND [0.19]	ND [1.0]	ND [1.0]	ND [1.0]
p- & m- Xylenes	NS	ND [10]	ND [10]	ND [10]	ND [10]	ND [10]	ND [2.0]	ND [2.0]	ND [2.0]	ND [0.50]	ND [0.20]	ND [0.20]	ND [0.32]	ND [1.0] J	ND [1.0] J	ND [1.0]	ND [10]	ND [10]	ND [10]	ND [10]	ND [10]	ND [2.0]	ND [2.0]	ND [2.0]	ND [0.50]	ND [0.20]	ND [0.20]	ND [0.32]	ND [1.0] J	ND [1.0] J	ND [1.0]
p-Isopropyltoluene	NS	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.21]	ND [1.0]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.21]	ND [1.0]	ND [1.0]	ND [1.0]
sec-Butylbenzene	5	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.23]	ND [1.0]	ND [1.0]	ND [1.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.23]	ND [1.0]	ND [1.0]	ND [1.0]
tert-Butylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.26]	ND [1.0]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.26]	ND [1.0]	ND [1.0]	ND [1.0]
Toluene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	2.1	0.48 J	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.22]	ND [1.0]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.22]	ND [1.0]	ND [1.0] J	ND [1.0] J
Xylenes, Total	5	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	ND [3.0]	ND [3.0]	ND [3.0]	ND [0.60]	ND [0.33]	ND [0.33]	ND [0.51]	ND [1.0]	ND [1.0]	ND [1.0]	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	ND [3.0]	ND [3.0]	ND [3.0]	ND [0.60]	ND [0.33]	ND [0.33]	ND [0.51]	ND [1.0]	ND [1.0]	ND [1.0]

Compound	Groundwater Standard or Guidance Value [(1)]	Test Location and Sample Date																												
		VE 2-1															VE 3-1													
		3/28/12	9/12/12	4/2/13	9/24/13	5/28/14	5/20/15	5/18/16	8/3/17	11/28/18	9/11/19	6/3/20	DUP 6/3/2020	8/25/21	8/11/22	3/9/23	3/27/12	9/11/12	4/2/13	9/25/13	5/28/14	5/19/15	5/18/16	8/3/17	11/28/18	9/11/19	6/3/20	8/25/21	3/9/23	
1,2,4-Trimethylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.11]	ND [0.20]	ND [1.0]	ND [1.0]	3.4 J	2.6 J	ND [5.0]	**5.1**	**5.1**	3.60	**6.4**	3.9	4.5	5.2	3.6	**7.60**	3.50	
1,3,5-Trimethylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.14]	ND [0.14]	ND [0.14]	ND [0.25]	ND [1.0]	ND [1.0]	1.9 J	1.2 J	ND [5.0]	2.0 J	2.2 J	1.70	2.7	1.9	2	2.7	1.9	3.50	2.2 JH		
Benzene	1	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.10]	ND [0.10]	ND [0.10]	ND [0.18]	ND [0.50	ND [0.5]	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.40]	ND [0.10]	ND [0.10]	0.25 J	ND [0.5]		
Chlorobenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	NT	ND [0.080]	ND [0.080]	ND [0.080]	ND [0.17]	ND [1.0]	ND [1.0]	2.6 J	2.4 J	ND [5.0]	3.6 J	2.5 J	2.70	3.6	3.5	NT	2.9	2.4	4.20	1.40		
Ethylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.080]	ND [0.080]	ND [0.080]	ND [0.18]	ND [1.0]	ND [1.0] J	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	0.81 J	0.40 J	0.48 J	0.34 J	0.62 J	0.39 J	0.33 J	0.42 J	ND [1.0] J		
Isopropylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.13]	ND [0.13]	ND [0.13]	ND [0.23]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	0.46 J	0.31 J	0.42 EJ	0.42 J	0.28 J	0.52 J	ND [1.0]		
Methyl tert-butyl ether (MTBE)	10	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.070]	ND [0.070]	ND [0.070]	ND [0.22]	ND [0.87]	ND [0.87] J	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.40]	ND [0.070]	ND [0.070]	ND [0.22]	ND [0.87] J		
Naphthalene	10	ND [10]	ND [10]	ND [10]	1.3 J,B	1.3 J,B	ND [1.0]	ND [1.0]	ND [1.0]	NT	ND [0.080]	ND [0.080]	ND [0.080]	ND [0.17]	ND [1.0]	ND [1.0]	5.6 J, B	6.6 J	ND [10]	9.3 J	10	9.00	9.4	6.2	8	NT	NT	NT	1.0		
n-Butylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.12]	ND [0.19]	ND [1.0]	ND [1.0]	1.1 J	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	0.52 J	ND [0.40]	1.1	ND [0.12]	ND [0.19]	ND [1.0]		
n-Propylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.11]	ND [0.24]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	0.42 J	0.76 J	0.53 J	0.74 J	0.83 J	0.49 J	0.97 J	ND [1.0]		
o-Xylene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.13]	ND [0.13]	ND [0.13]	ND [0.19]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	1.0 J	0.97 J	1.3	0.96 J	1.3	1.1	0.91 J	1.60	ND [1.0]		
p- & m- Xylenes	NS	ND [10]	ND [10]	ND [10]	ND [10]	ND [10]	ND [2.0]	ND [2.0]	ND [2.0]	ND [0.50]	ND [0.20]	ND [0.20]	ND [0.20]	ND [0.32]	ND [1.0] J	ND [1.0]	ND [10]	ND [10]	ND [10]	ND [10]	1.1 J	0.56 J	0.75 J	0.55 J	ND [1.0]	0.71 J	ND [0.20]	0.80 J	ND [1.0]		
p-Isopropyltoluene	NS	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.12]	ND [0.21]	ND [1.0]	ND [1.0]	1.5 J	ND [5.0]	ND [5.0]	0.89 J	1.6 J	0.79 J	ND [1.0]	0.69 J	ND [0.40]	1	0.66 J	1.20	ND [1.0]		
sec-Butylbenzene	5	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.12]	ND [0.23]	ND [1.0]	ND [1.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND [1.0]	0.6 J	0.45 J	0.50 J	0.72 J	0.46 J	0.86 J	ND [1.0]		
tert-Butylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.11]	ND [0.26]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.40]	0.29 J	ND [0.11]	ND [0.26]	ND [1.0]		
Toluene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	**23.7**	ND [0.20]	0.56 J	ND [0.12]	ND [0.12]	ND [0.22]	8.3	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	0.77 J	0.75 J	0.52 J	0.92 J	0.39 J	ND [0.12]	0.70 J	ND [1.0]		
Xylenes, Total	5	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	ND [3.0]	ND [3.0]	ND [3.0]	ND [0.60]	ND [0.33]	ND [0.33]	ND [0.33]	ND [0.51]	ND [1.0]	ND [1.0]	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	2.1 J	1.35 J	2.05	1.51 J	2.2 J	1.81 J	0.91 J	1.60	ND [1.0]		

Notes:
All results and groundwater standards/guidance values are in parts per billion (ppb)
(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.
ND [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in brackets
NS = No Standard
J = Estimated concentration.
B = Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
BOLD TYPE indicates the reported concentration or reporting limit exceeds the groundwater standard or guidance value

Table 3 Continued
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Detected Volatile Organic Compounds
Groundwater Samples

Compound	Groundwater Standard or Guidance Value [1]	Test Location and Sample Date																												
		VE 4-11															DAY 1													
		3/27/12	9/11/12	9/11/12 DUP	4/2/13	9/24/13	5/27/14	5/19/15	5/17/16	8/2/17	11/27/18	9/10/19	6/3/20	8/24/21	8/11/22	3/9/23	3/27/12	9/11/12	4/2/13	9/24/13	5/27/14	5/19/15	5/17/16	8/2/17	11/27/18	9/10/19	6/3/20	8/26/21	8/10/22	3/8/23
1,2,4-Trimethylbenzene	5	1.1 J	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	0.78	ND [0.11]	ND [0.11]	ND [0.20]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	0.43 J	0.42 J	ND [1.0]	0.35 J	ND [0.11]	ND [0.11]	ND [0.20]	ND [1.0]	ND [1.0]
1,3,5-Trimethylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.14]	ND [0.14]	ND [0.25]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.14]	ND [0.14]	ND [0.25]	ND [1.0]	ND [1.0]
Benzene	1	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.10]	ND [0.10]	ND [0.18]	ND [0.50]	ND [0.5]	**ND [5.0]**	0.82 J	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	0.53 J	0.62 J	0.32 J	0.61	ND [0.10]	ND [0.10]	0.67 J	0.82	ND [0.5]
Chlorobenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	NT	ND [0.080]	ND [0.080]	ND [0.17]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	NT	ND [0.080]	ND [0.080]	ND [0.17]	ND [1.0]	ND [1.0]
Ethylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.080]	ND [0.080]	ND [0.18]	ND [1.0]	ND [1.0] J	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	0.27 J	ND [1.0]	ND [1.0]	0.28 J	ND [0.080]	ND [0.080]	ND [0.18]	ND [1.0]	ND [1.0]
Isopropylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.13]	ND [0.13]	ND [0.23]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	0.39 J	0.22 J	0.41 EJ	ND [0.13]	ND [0.13]	0.41 J	ND [1.0]	ND [1.0]
Methyl tert-butyl ether (MTBE)	10	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.070]	ND [0.070]	ND [0.22]	ND [1.0]	ND [0.87] J	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.070]	ND [0.070]	ND [0.22]	ND [1.0]	ND [0.87]
Naphthalene	10	4.0 J, B	ND [10]	ND [10]	ND [10]	ND [10]	ND [10]	ND [1.0]	ND [1.0]	ND [1.0]	2.9	NT	NT	NT	ND [0.87]	ND [1.0]	1.9 J, B	ND [10]	ND [10]	ND [10]	1.9 J	2.00	3.50	ND [1.0]	1.8 J	NT	NT	NT	ND [0.87]	ND [1.0]
n-Butylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.19]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	0.37 J	0.79 J	0.31 J	0.40 J	0.59 J	ND [0.12]	0.75 J	ND [1.0]	ND [1.0]
n-Propylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	0.22 J	ND [0.11]	ND [0.11]	ND [0.24]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	0.7 J	0.37 J	0.75	0.86 J	ND [0.11]	0.74 J	ND [1.0]	ND [1.0]
o-Xylene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.13]	ND [0.13]	ND [0.19]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	0.48 J	ND [1.0]	0.25 J	0.59	ND [0.13]	ND [0.13]	0.54 J	ND [1.0]	ND [1.0]
p- & m- Xylenes	NS	ND [10]	ND [10]	ND [10]	ND [10]	ND [10]	ND [10]	ND [2.0]	ND [2.0]	ND [2.0]	ND [0.50]	ND [0.20]	ND [0.20]	ND [0.32]	ND [1.0] J	ND [1.0]	ND [10]	ND [10]	ND [10]	ND [10]	ND [10]	ND [2.0]	ND [2.0]	ND [2.0]	ND [0.50]	ND [0.20]	ND [0.20]	ND [0.32]	ND [1.0]	ND [1.0]
p-Isopropyltoluene	NS	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.21]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.21]	ND [1.0]	ND [1.0]
sec-Butylbenzene	5	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.19]	ND [1.0]	ND [1.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND [1.0]	0.42 J	0.21 J	0.43 J	ND [0.12]	ND [0.12]	0.42 J	ND [1.0]	ND [1.0]
tert-Butylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.19]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.26]	ND [1.0]	ND [1.0]
Toluene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.19]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	0.40 J	ND [1.0]	ND [1.0]	0.26 J	ND [0.12]	ND [0.12]	0.42 J	ND [1.0]	ND [1.0]
Xylenes, Total	5	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	ND [3.0]	ND [3.0]	ND [3.0]	ND [0.60]	ND [0.33]	ND [0.33]	ND [0.39]	ND [1.0]	ND [1.0]	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	0.48 J	ND [3.0]	ND [3.0]	0.85 J	ND [0.33]	ND [0.33]	0.54 J	ND [1.0]	ND [1.0]

Compound	Groundwater Standard or Guidance Value [1]	Test Location and Sample Date																		
		Field Blank											Trip Blank							
		3/28/12	9/12/12	4/2/13	9/25/13	5/20/15	11/28/18	9/11/19	6/4/20	8/26/21	8/11/22	3/9/23	9/12/12	4/2/13	9/25/13	5/18/16	8/3/17	11/28/18	8/26/21	3/8/23
1,2,4-Trimethylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.20]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.20]	ND [1.0]
1,3,5-Trimethylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.14]	ND [0.14]	ND [0.24]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.24]	ND [1.0]
Benzene	1	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	ND [1.0]	ND [0.20]	ND [0.10]	ND [0.10]	ND [0.18]	ND [0.50]	ND [0.5]	**ND [5.0]**	**ND [5.0]**	**ND [5.0]**	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.18]	ND [0.5]
Chlorobenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.080]	ND [0.080]	ND [0.17]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.17]	ND [1.0]
Ethylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.080]	ND [0.080]	ND [0.18]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.18]	ND [1.0]
Isopropylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.13]	ND [0.13]	ND [0.23]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.23]	ND [1.0]
Methyl tert-butyl ether (MTBE)	10	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.070]	ND [0.070]	ND [0.22]	ND [0.87]	ND [0.87] J	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.22]	ND [0.87] J
Naphthalene	10	ND [10]	ND [10]	ND [10]	ND [10]	ND [1.0]	ND [1.0]	NT	NT	NT	ND [1.0]	ND [1.0]	ND [10]	ND [10]	ND [10]	ND [1.0]	ND [1.0]	ND [1.0]	NT	ND [1.0]
n-Butylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.19]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.19]	ND [1.0]
n-Propylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.24]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.24]	ND [1.0]
o-Xylene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.13]	ND [0.13]	ND [0.19]	ND [1.0]	ND [1.0] J	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.19]	ND [1.0] J
p- & m- Xylenes	NS	ND [10]	ND [10]	ND [10]	ND [10]	ND [2.0]	ND [0.50]	ND [0.20]	ND [0.20]	ND [0.32]	ND [1.0]	ND [1.0]	ND [10]	ND [10]	ND [10]	ND [2.0]	ND [2.0]	ND [0.50]	ND [0.32]	ND [1.0]
p-Isopropyltoluene	NS	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.21]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.21]	ND [1.0]
sec-Butylbenzene	5	ND[5.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.23]	ND [1.0]	ND [1.0]	ND[5.0]	ND[5.0]	ND[5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.23]	ND [1.0]
tert-Butylbenzene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.11]	ND [0.11]	ND [0.26]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	ND [0.20]	ND [0.26]	ND [1.0]
Toluene	5	ND [5.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [0.20]	ND [0.12]	ND [0.12]	ND [0.22]	ND [1.0]	ND [1.0]	ND [5.0]	ND [5.0]	ND [5.0]	ND [1.0]	ND [1.0]	0.25 J	ND [0.22]	ND [1.0]
Xylenes, Total	5	**ND [15]**	**ND [15]**	**ND [15]**	**ND [15]**	ND [3.0]	ND [0.60]	ND [0.33]	ND [0.33]	ND [0.51]	ND [1.0]	ND [1.0]	**ND [15]**	**ND [15]**	**ND [15]**	ND [3.0]	ND [3.0]	ND [0.60]	ND [0.51]	ND [1.0]

Notes:
All results and groundwater standards/guidance values are in parts per billion (ppb)
(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 200
ND [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in bracket
NS = No Standard
J = Estimated concentration.
B = Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
BOLD TYPE indicates the reported concentration or reporting limit exceeds the groundwater standard or guidance value

Table 3 continued
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Detected Volatile Organic Compounds
Groundwater Samples

Compound	Groundwater Standard or Guidance Value [1]	Test Location and Sample Date				
		OUII-C	OUII-E	VE4-7	VE4-9	FA4-9
		8/24/21	8/24/21	8/25/21	8/25/21	8/26/21
1,2,4-Trimethylbenzene	5	ND [0.20]	ND [0.20]	ND [0.20]	2	1.4
1,3,5-Trimethylbenzene	5	ND [0.25]	ND [0.25]	ND [0.25]	1.7	0.53 J
Benzene	1	ND [0.18]	ND [0.18]	ND [0.18]	0.25 J	0.53 J
Chlorobenzene	5	ND [0.17]	ND [0.17]	ND [0.17]	1.2	ND [0.17]
Ethylbenzene	5	ND [0.18]	ND [0.18]	ND [0.18]	ND [0.18]	ND [0.18]
Isopropylbenzene	5	ND [0.23]	ND [0.23]	ND [0.23]	ND [0.23]	ND [0.23]
Methyl tert-butyl ether (MTBE)	10	ND [0.22]	ND [0.22]	ND [0.22]	NS [0.22]	ND [0.22]
n-Butylbenzene	5	ND [0.19]	ND [0.19]	ND [0.19]	ND [0.19]	ND [0.19]
n-Propylbenzene	5	ND [0.24]	ND [0.24]	ND [0.24]	ND [0.24]	ND [0.24]
o-Xylene	5	ND [0.19]	ND [0.19]	ND [0.19]	0.64 J	1.9
p- & m- Xylenes	NS	ND [0.32]	ND [0.32]	1.5 J	0.47 J	0.43 J
p-Isopropyltoluene	NS	ND [0.21]	ND [0.21]	ND [0.21]	0.27 J	ND [0.21]
sec-Butylbenzene	5	ND [0.23]	ND [0.23]	ND [0.23]	ND [0.23]	0.29 J
tert-Butylbenzene	5	ND [0.26]	ND [0.26]	ND [0.26]	ND [0.26]	ND [0.26]
Toluene	5	ND [0.22]	ND [0.22]	0.45 J	0.44 J	0.46 J
Xylenes, Total	5	ND	ND	1.5	1.11	2.33

Notes:
All results and groundwater standards/guidance values are in parts per billion (ppb)
(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.
ND [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in brackets
NS = No Standard
J = Estimated concentration.
B = Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
Data users should consider anything <10x the blank value as artifact.
BOLD TYPE indicates the reported concentration or reporting limit exceeds the groundwater standard or guidance value

Table 4
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Detected Semi-Volatile Organic Compounds
Groundwater Samples

Compound	Groundwater Standard or Guidance Value (1)	Test Location and Sample Date																												
		VE 1-2															VE 1-4													
		3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/17/16	8/2/17	11/27/18	9/10/19	6/3/20	8/25/21	8/11/22	Duplicate 8/11/22	3/9/23	3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/18/16	8/2/17	11/27/18	9/10/19	6/3/20	8/25/21	8/11/22	3/9/23	03092023DUP
2-Methylnaphthalene	NS	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [5.88]	ND [10.1]	ND [10.2]	ND [10.1]	ND [2.91]	ND [2.50]	ND [2.30]	ND [2.20]	ND [2.0]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [6.67]	ND [10.2]	ND [10.2]	ND [10.1]	ND [2.83]	ND [2.50]	ND [2.30]	ND [2.20]	ND [2.0]	ND [2.0]	ND [2.0]
Acenaphthene	20	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [0.06]	ND [10.1]	ND [10.2]	ND [10.1]	0.663	ND [2.80]	ND [2.00]	ND [2.30]	ND [2.0]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [0.07]	ND [10.2]	ND [10.2]	ND [10.1]	0.554	ND [2.80]	ND [2.00]	ND [2.30]	ND [2.0]	ND [2.0]	ND [2.0]
Acenaphthylene	NS	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [0.06]	ND [10.1]	ND [10.2]	ND [10.1]	0.0947	ND [2.70]	ND [2.10]	ND [2.10]	ND [2.0]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [0.07]	ND [10.2]	ND [10.2]	ND [10.1]	0.164	ND [2.70]	ND [2.10]	ND [2.10]	ND [2.0]	ND [2.0]	ND [2.0]
Anthracene	50	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [0.06]	ND [10.1]	ND [10.2]	ND [10.1]	0.189	ND [2.50]	ND [2.50]	ND [2.30]	ND [2.0]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [0.07]	ND [10.2]	ND [10.2]	ND [10.1]	0.0821	ND [2.50]	ND [2.50]	ND [2.30]	ND [2.0]	ND [2.0]	ND [2.0]
Benzo(a)anthracene	0.002	**ND [5.13]**	**ND [5.56]**	**ND [5.13]**	**ND [6.25]**	**ND [0.06]**	**ND [10.1]**	**ND [10.2]**	**ND [10.1]**	**ND [0.0526]**	**ND [2.30]**	**ND [1.90]**	**ND [2.20]**	**ND [2.0]**	**ND [2.0]**	**ND [2.0]**	**ND [5.13]**	**ND [5.71]**	**ND [5.26]**	**ND [5.88]**	**ND [0.07]**	**ND [10.2]**	**ND [10.2]**	**ND [10.1]**	**ND [0.0513]**	**ND [2.30]**	**ND [1.90]**	**ND [2.20]**	ND [2.0]	**ND [2.0]**	**ND [2.0]**
Benzo(a)pyrene	ND	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [0.06]	ND [10.1]	ND [10.2]	ND [10.1]	ND [0.0526]	ND [2.40]	ND [2.00]	ND [2.00]	ND [2.0]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [0.07]	ND [10.2]	ND [10.2]	ND [10.1]	0.0513 J	ND [2.40]	ND [2.00]	ND [2.00]	ND [2.0]	ND [2.0]	ND [2.0]
Benzo(b)fluoranthene	0.002	**ND [5.13]**	**ND [5.56]**	**ND [5.13]**	**ND [6.25]**	**ND [0.06]**	**ND [10.1]**	**ND [10.2]**	**ND [10.1]**	**ND [0.0526]**	**ND [2.30]**	**ND [1.90]**	**ND [2.00]**	**ND [2.0]**	**ND [2.0]**	**ND [2.0]**	**ND [5.13]**	**ND [5.71]**	**ND [5.26]**	**ND [5.88]**	**ND [0.07]**	**ND [10.2]**	**ND [10.2]**	**ND [10.1]**	**0.0615**	**ND [2.30]**	**ND [1.90]**	**ND [2.00]**	ND [2.0]	**ND [2.0]**	**ND [2.0]**
Benzo(g,h,i)perylene	NS	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [0.06]	ND [10.1]	ND [10.2]	ND [10.1]	ND [0.0526]	ND [2.60]	ND [1.60]	ND [2.00]	ND [2.0]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [0.07]	ND [10.2]	ND [10.2]	ND [10.1]	0.0513 J	ND [2.60]	ND [1.60]	ND [2.00]	ND [2.0]	ND [2.0]	ND [2.0]
Benzo(k)fluoranthene	0.002	**ND [5.13]**	**ND [5.56]**	**ND [5.13]**	**ND [6.25]**	**ND [0.06]**	**ND [10.1]**	**ND [10.2]**	**ND [10.1]**	**ND [0.0526]**	**ND [2.30]**	**ND [1.80]**	**ND [2.00]**	**ND [2.0]**	**ND [2.0]**	**ND [2.0]**	**ND [5.13]**	**ND [5.71]**	**ND [5.26]**	**ND [5.88]**	**ND [0.07]**	**ND [10.2]**	**ND [10.2]**	**ND [10.1]**	**ND [0.0513]**	**ND [2.30]**	**ND [1.80]**	**ND [2.00]**	ND [2.0]	**ND [2.0]**	**ND [2.0]**
Chrysene	0.002	**ND [5.13]**	**ND [5.56]**	**ND [5.13]**	**ND [6.25]**	**ND [0.06]**	**ND [10.1]**	**ND [10.2]**	**ND [10.1]**	**ND [0.0526]**	**ND [2.40]**	**ND [1.90]**	**ND [2.30]**	**ND [2.0]**	**ND [2.0]**	**ND [2.0]**	**ND [5.13]**	**ND [5.71]**	**ND [5.26]**	**ND [5.88]**	**ND [0.07]**	**ND [10.2]**	**ND [10.2]**	**ND [10.1]**	**0.133**	**ND [2.40]**	**ND [1.90]**	**ND [2.30]**	ND [2.0]	**ND [2.0]**	**ND [2.0]**
Dibenzo(a,h)anthracene	NS	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [0.06]	ND [10.1]	ND [10.2]	ND [10.1]	ND [0.0526]	ND [2.60]	ND [1.90]	ND [2.30]	ND [2.0]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [0.07]	ND [10.2]	ND [10.2]	ND [10.1]	ND [0.0513]	ND [2.60]	ND [1.90]	ND [2.30]	ND [2.0]	ND [2.0]	ND [2.0]
Fluoranthene	50	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [0.06]	ND [10.1]	ND [10.2]	ND [10.1]	0.0842	ND [2.90]	ND [2.50]	ND [2.60]	5.5	4.3	ND [2.0]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [0.07]	ND [10.2]	ND [10.2]	ND [10.1]	0.256	ND [2.90]	ND [2.50]	ND [2.60]	ND [2.0]	ND [2.0]	ND [2.0]
Fluorene	50	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [0.06]	ND [10.1]	ND [10.2]	ND [10.1]	1.47	ND [2.50]	ND [2.40]	ND [2.20]	12	12	ND [2.0]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [0.07]	ND [10.2]	ND [10.2]	ND [10.1]	0.451	ND [2.50]	ND [2.40]	ND [2.20]	ND [2.0]	ND [2.0]	ND [2.0]
Indeno(1,2,3-cd)pyrene	0.002	**ND [5.13]**	ND [5.56]	**ND [5.13]**	**ND [6.25]**	**ND [0.06]**	**ND [10.1]**	**ND [10.2]**	**ND [10.1]**	**ND [0.0526]**	**ND [3.30]**	**ND [3.20]**	**ND [2.60]**	**ND [2.0]**	**ND [2.0]**	ND [2.0]	**ND [5.13]**	**ND [5.71]**	**ND [5.26]**	**ND [5.88]**	**ND [0.07]**	**ND [10.2]**	**ND [10.2]**	**ND [10.1]**	**ND [0.0513]**	**ND [3.30]**	**ND [3.20]**	**ND [2.60]**	ND [2.0]	ND [2.0]	ND [2.0]
Naphthalene	10	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [0.06]	**ND [10.1]**	NT	ND [10.1]	0.0526 J	ND [2.50]	ND [1.80]	ND [1.90]	ND [0.50]	ND [0.50]	ND [0.50]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [0.07]	**ND [10.2]**	**NT**	ND [10.1]	ND [0.0513]	ND [2.50]	ND [1.80]	ND [1.90]	ND [0.50]	ND [0.50] J	ND [0.50]
Phenanthrene	50	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [0.06]	ND [10.1]	ND [10.2]	ND [10.1]	0.0842	ND [2.50]	ND [2.00]	ND [2.20]	ND [2.0]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [0.07]	ND [10.2]	ND [10.2]	ND [10.1]	0.503	ND [2.50]	ND [2.00]	ND [2.20]	ND [2.0]	ND [2.0]	ND [2.0]
Pyrene	50	ND [5.13]	ND [5.56]	ND [5.13]	ND [6.25]	ND [0.06]	ND [10.1]	ND [10.2]	ND [10.1]	0.295	ND [2.50] J	ND [1.40]	ND [1.90]	12	10	ND [2.0]	ND [5.13]	ND [5.71]	ND [5.26]	ND [5.88]	ND [0.07]	ND [10.2]	2.8 J	ND [10.1]	1.10	ND [2.50] J	ND [1.40]	ND [1.90]	ND [2.0]	ND [2.0]	ND [2.0]

Compound	Groundwater Standard or Guidance Value (1)	Test Location and Sample Date																												
		VE 2-1															VE 3-1													
		3/28/12	9/12/12	4/2/13	9/24/13	5/28/14	5/20/15	5/18/16	8/3/17	11/28/18	9/11/19	6/3/20	8/25/21	8/11/22	3/9/23		3/27/12	9/11/12	4/2/13	9/25/13	5/28/14	5/19/15	5/18/16	8/3/17	8/3/17	11/28/18	9/11/19	6/3/20	8/25/21	3/9/23	
2-Methylnaphthalene	NS	ND [5.13]	ND [6.25]	ND [26.3]	ND [5.56]	ND [5.88]	ND [10.1]	ND [10]	ND [10.1]	ND [2.83]	ND [2.50]	ND [2.30]	ND [2.20]	ND [2.0]	ND [2.0]		ND [5.13]	ND [5.26]	ND [5.13]	12	4.30 J	ND [10]	34.7	30.1	30.1	36.3	ND [2.50]	ND [2.30]	32.4	35	
Acenaphthene	20	ND [5.13]	ND [6.25]	**ND [26.3]**	ND [5.56]	ND [0.06]	ND [10.1]	ND [10]	ND [10.1]	ND [0.0513]	ND [2.80]	ND [2.00]	ND [2.30]	ND [2.0]	ND [2.0]		ND [5.13]	ND [5.26]	ND [5.13]	9.26	ND [0.06]	3.600 J	4.7 J	5.9 J	5.9 J	6.66	5.00 J	ND [2.00]	18.0	13	
Acenaphthylene	NS	ND [5.13]	ND [6.25]	ND [26.3]	ND [5.56]	ND [0.06]	ND [10.1]	ND [10]	ND [10.1]	ND [0.0513]	ND [2.70]	ND [2.10]	ND [2.10]	ND [2.0]	ND [2.0]		ND [5.13]	ND [5.26]	ND [5.13]	ND [5.88]	ND [0.06]	ND [10]	ND [10]	ND [10.1]	ND [10.1]	1.29	ND [2.70]	ND [2.10]	4.40 J	ND [2.0]	
Anthracene	50	ND [5.13]	ND [6.25]	ND [26.3]	ND [5.56]	ND [0.06]	ND [10.1]	ND [10]	ND [10.1]	ND [0.0513]	ND [2.50]	ND [2.50]	ND [2.30]	ND [2.0]	ND [2.0]		ND [5.13]	ND [5.26]	ND [5.13]	3.44 J	ND [0.06]	ND [10]	ND [10]	ND [10.1]	ND [10.1]	2.35	ND [2.50]	ND [2.50]	ND [2.30]	ND [2.0]	
Benzo(a)anthracene	0.002	**ND [5.13]**	**ND [6.25]**	**ND [26.3]**	**ND [5.56]**	**ND [0.06]**	**ND [10.1]**	**ND [10]**	**ND [10.1]**	**ND [0.0513]**	**ND [2.30]**	**ND [1.90]**	**ND [2.20]**	ND [2.0]	**ND [2.0]**		**ND [5.13]**	**ND [5.26]**	**ND [5.13]**	**ND [5.88]**	**0.238**	**ND [10]**	**ND [10]**	**ND [10.1]**	**ND [10.1]**	**0.0821**	**ND [2.30]**	**ND [1.90]**	**ND [2.20]**	ND [2.0]	
Benzo(a)pyrene	ND	ND [5.13]	ND [6.25]	ND [26.3]	ND [5.56]	ND [0.06]	ND [10.1]	ND [10]	ND [10.1]	ND [0.0513]	ND [2.40]	ND [2.00]	ND [2.00]	ND [2.0]	ND [2.0]		ND [5.13]	ND [5.26]	ND [5.13]	ND [5.88]	**0.112**	ND [10]	ND [10]	ND [10.1]	ND [10.1]	ND [0.0513]	ND [2.40]	ND [2.00]	ND [2.00]	ND [2.0]	
Benzo(b)fluoranthene	0.002	**ND [5.13]**	**ND [6.25]**	**ND [26.3]**	**ND [5.56]**	**ND [0.06]**	**ND [10.1]**	**ND [10]**	**ND [10.1]**	**ND [0.0513]**	**ND [2.30]**	**ND [1.90]**	**ND [2.00]**	ND [2.0]	**ND [2.0]**		**ND [5.13]**	**ND [5.26]**	**ND [5.13]**	**ND [5.88]**	**0.275**	**ND [10]**	**ND [10]**	**ND [10.1]**	**ND [10.1]**	**0.0718**	**ND [2.30]**	**ND [1.90]**	**ND [2.00]**	ND [2.0]	
Benzo(g,h,i)perylene	NS	ND [5.13]	ND [6.25]	ND [26.3]	ND [5.56]	ND [0.06]	ND [10.1]	ND [10]	ND [10.1]	ND [0.0513]	ND [2.60]	ND [1.60]	ND [2.00]	ND [2.0]	ND [2.0]		ND [5.13]	ND [5.26]	ND [5.13]	ND [5.88]	0.100	ND [10]	ND [10]	ND [10.1]	ND [10.1]	ND [0.0513]	ND [2.60]	ND [1.60]	ND [2.00]	ND [2.0]	
Benzo(k)fluoranthene	0.002	**ND [5.13]**	**ND [6.25]**	**ND [26.3]**	**ND [5.56]**	**ND [0.06]**	**ND [10.1]**	**ND [10]**	**ND [10.1]**	**ND [0.0513]**	**ND [2.30]**	**ND [1.80]**	**ND [2.00]**	ND [2.0]	**ND [2.0]**		**ND [5.13]**	**ND [5.26]**	**ND [5.13]**	**ND [5.88]**	**0.262**	**ND [10]**	**ND [10]**	**ND [10.1]**	**ND [10.1]**	**0.0718**	**ND [2.30]**	**ND [1.80]**	**ND [2.00]**	ND [2.0]	
Chrysene	0.002	**ND [5.13]**	**ND [6.25]**	**ND [26.3]**	**ND [5.56]**	**ND [0.06]**	**ND [10.1]**	**ND [10]**	**ND [10.1]**	**ND [0.0513]**	**ND [2.40]**	**ND [1.90]**	**ND [2.30]**	ND [2.0]	**ND [2.0]**		**ND [5.13]**	**ND [5.26]**	**ND [5.13]**	**ND [5.88]**	**0.250**	**ND [10]**	**ND [10]**	**ND [10.1]**	**ND [10.1]**	**0.185**	**ND [2.40]**	**ND [1.90]**	**ND [2.30]**	ND [2.0]	
Dibenzo(a,h)anthracene	NS	ND [5.13]	ND [6.25]	ND [26.3]	ND [5.56]	ND [0.06]	ND [10.1]	ND [10]	ND [10.1]	ND [0.0513]	ND [2.60]	ND [1.90]	ND [2.30]	ND [2.0]	ND [2.0]		ND [5.13]	ND [5.26]	ND [5.13]	ND [5.88]	ND [0.06]	ND [10]	ND [10]	ND [10.1]	ND [10.1]	ND [0.0513]	ND [2.60]	ND [1.90]	ND [2.30]	ND [2.0]	
Fluoranthene	50	ND [5.13]	ND [6.25]	ND [26.3]	ND [5.56]	ND [0.06]	ND [10.1]	ND [10]	ND [10.1]	ND [0.0513]	ND [2.90]	ND [2.50]	ND [2.60]	ND [2.0]	ND [2.0]		ND [5.13]	ND [5.26]	ND [5.13]	1.94 J	ND [0.06]	ND [10]	ND [10]	ND [10.1]	ND [10.1]	0.697	ND [2.90]	ND [2.50]	6.30	2.80	
Fluorene	50	ND [5.13]	ND [6.25]	ND [26.3]	ND [5.56]	ND [0.06]	ND [10.1]	ND [10]	ND [10.1]	ND [0.0513]	ND [2.50]	ND [2.40]	ND [2.20]	ND [2.0]	ND [2.0]		ND [5.13]	2.85 J	ND [5.13]	12.3	6.75	3.200 J	6.4 J	7.8 J	7.8 J	9.31	4.50 J	ND [2.40]	31.7	16	
Indeno(1,2,3-cd)pyrene	0.002	**ND [5.13]**	**ND [6.25]**	**ND [26.3]**	ND [5.56]	**ND [0.06]**	**ND [10.1]**	**ND [10]**	ND [10.1]	ND [0.0513]	**ND [3.30]**	**ND [3.20]**	**ND [2.60]**	ND [2.0]	ND [2.0]		**ND [5.13]**	**ND [5.26]**	**ND [5.13]**	**ND [5.88]**	**0.112**	**ND [10]**	**ND [10]**	**ND [10.1]**	**ND [10.1]**	**ND [0.0513]**	**ND [3.30]**	**ND [3.20]**	**ND [2.60]**	ND [2.0]	
Naphthalene	10	ND [5.13]	ND [6.25]	**ND [26.3]**	ND [5.56]	ND [0.06]	**ND [10.1]**	**NT**	NT	ND [0.0513]	ND [2.50]	ND [1.80]	ND [1.90]	ND [0.50]	ND [0.50]		ND [5.13]	ND [5.26]	ND [5.13]	ND [5.88]	ND [0.06]	ND [10]	NT	NT	NT	0.974	ND [2.50]	ND [1.80]	ND [1.90]	ND [0.50]	
Phenanthrene	50	ND [5.13]	ND [6.25]	ND [26.3]	ND [5.56]	ND [0.06]	ND [10.1]	ND [10]	ND [10.1]	ND [0.0513]	ND [2.50]	ND [2.00]	ND [2.20]	ND [2.0]	ND [2.0]		ND [5.13]	2.41 J	1.87 J	23	10.8	2.600 J	12.2	11.1	11.1	16.8	7.20 J	ND [2.00]	59.9	30	
Pyrene	50	ND [5.13]	ND [6.25]	ND [26.3]	ND [5.56]	ND [0.06]	ND [10.1]	ND [10]	ND [10.1]	ND [0.0513]	ND [2.50] J	ND [1.40]	ND [1.90]	ND [2.0]	ND [2.0]		ND [5.13]	ND [5.26]	ND [5.13]	2.08 J	3.28	ND [10]	ND [10]	ND [10.1]	ND [10.1]	1.42	ND [2.50] J	ND [1.40]	9.30	4.40	

Notes:
All results and groundwater standards/guidance values are in parts per billion (ppb)
(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.
ND [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in brackets
NS = No Standard
J = Estimated Concentration
BOLD TYPE indicates the concentration or reporting limit exceeds the groundwater standard or guidance value

Table 4 Continued
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Detected Semi-Volatile Organic Compounds
Groundwater Samples

Compound	Groundwater Standard or Guidance Value [1]	Test Location and Sample Date																												
		VE 4-11															DAY 1													
		3/27/12	9/11/12	/11/12 DU	4/2/13	9/24/13	5/27/14	5/19/15	5/17/16	8/2/17	11/27/18	9/10/19	6/3/2020	########	8/11/2022	3/9/23	3/27/12	9/11/12	4/2/13	9/24/13	5/27/14	5/19/15	5/17/16	8/2/17	11/27/18	9/10/19	6/3/20	8/26/21	8/10/22	3/8/23
2-Methylnaphthalene	NS	ND [5.13]	ND [5.71]	ND [6.06]	ND [25.0]	ND [6.67]	ND [6.06]	ND [10.3]	ND [10]	ND [10]	ND [2.91]	ND [2.50]	ND [2.30]	ND [2.20]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.56]	ND [5.13]	ND [12.1]	ND [5.88]	ND [10.2]	2.4 J	ND [10.1]	ND [2.83]	ND [2.50]	ND [2.30]	ND [2.20]	ND [2.0]	ND [2.0] J
Acenaphthene	20	ND [5.13]	ND [5.71]	ND [6.06]	**ND [25.0]**	ND [6.67]	ND [0.06]	ND [10.3]	ND [10]	ND [10]	ND [0.0526]	ND [2.80]	ND [2.00]	ND [2.30]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.56]	ND [5.13]	ND [12.1]	ND [0.06]	2.500 J	3.3 J	4.3 J	3.64	3.30 J	ND [2.00]	3.50 J	10	4.1
Acenaphthylene	NS	ND [5.13]	ND [5.71]	ND [6.06]	ND [25.0]	ND [6.67]	ND [0.06]	ND [10.3]	ND [10]	ND [10]	ND [0.0526]	ND [2.70]	ND [2.10]	ND [2.10]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.56]	ND [5.13]	ND [12.1]	ND [0.06]	ND [10.2]	ND [10.1]	ND [10.1]	0.667	ND [2.70]	ND [2.10]	ND [2.10]	ND [2.0]	ND [2.0]
Anthracene	50	ND [5.13]	ND [5.71]	ND [6.06]	ND [25.0]	ND [6.67]	ND [0.06]	ND [10.3]	ND [10]	ND [10]	ND [0.0526]	ND [2.50]	ND [2.50]	ND [2.30]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.56]	ND [5.13]	ND [12.1]	ND [0.06]	ND [10.2]	ND [10.1]	ND [10.1]	0.708	ND [2.50]	ND [2.50]	ND [2.30]	ND [2.0]	ND [2.0]
Benzo(a)anthracene	0.002	**ND [5.13]**	**ND [5.71]**	**ND [6.06]**	**ND [25.0]**	**ND [6.67]**	**ND [0.06]**	**ND [10.3]**	**ND [10]**	**ND [10]**	**ND [0.0526]**	**ND [2.30]**	**ND [1.90]**	**ND [2.20]**	ND [2.0]	**ND [2.0]**	**ND [5.13]**	**ND [5.56]**	**ND [5.13]**	**ND [12.1]**	**ND [0.06]**	**ND [10.2]**	**ND [10.1]**	**ND [10.1]**	**ND [0.0513]**	**ND [2.30]**	**ND [1.90]**	**ND [2.20]**	ND [2.0]	ND [2.0]
Benzo(a)pyrene	ND	ND [5.13]	ND [5.71]	ND [6.06]	ND [25.0]	ND [6.67]	ND [0.06]	ND [10.3]	ND [10]	ND [10]	ND [0.0526]	ND [2.40]	ND [2.00]	ND [2.00]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.56]	ND [5.13]	ND [12.1]	ND [0.06]	ND [10.2]	ND [10.1]	ND [10.1]	ND [0.0513]	ND [2.40]	ND [2.00]	ND [2.00]	ND [2.0]	ND [2.0]
Benzo(b)fluoranthene	0.002	**ND [5.13]**	**ND [5.71]**	**ND [6.06]**	**ND [25.0]**	**ND [6.67]**	**ND [0.06]**	**ND [10.3]**	**ND [10]**	**ND [10]**	**ND [0.0526]**	**ND [2.30]**	**ND [1.90]**	**ND [2.00]**	ND [2.0]	**ND [2.0]**	**ND [5.13]**	**ND [5.56]**	**ND [5.13]**	**ND [12.1]**	**ND [0.06]**	**ND [10.2]**	**ND [10.1]**	**ND [10.1]**	**ND [0.0513]**	**ND [2.30]**	**ND [1.90]**	**ND [2.00]**	ND [2.0]	ND [2.0]
Benzo(g,h,i)perylene	NS	ND [5.13]	ND [5.71]	ND [6.06]	ND [25.0]	ND [6.67]	ND [0.06]	ND [10.3]	ND [10]	ND [10]	ND [0.0526]	ND [2.60]	ND [1.60]	ND [2.00]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.56]	ND [5.13]	ND [12.1]	ND [0.06]	ND [10.2]	ND [10.1]	ND [10.1]	ND [0.0513]	ND [2.60]	ND [1.60]	ND [2.00]	ND [2.0]	ND [2.0]
Benzo(k)fluoranthene	0.002	**ND [5.13]**	**ND [5.71]**	**ND [6.06]**	**ND [25.0]**	**ND [6.67]**	**ND [0.06]**	**ND [10.3]**	**ND [10]**	**ND [10]**	**ND [0.0526]**	**ND [2.30]**	**ND [1.80]**	**ND [2.00]**	ND [2.0]	**ND [2.0]**	**ND [5.13]**	**ND [5.56]**	**ND [5.13]**	**ND [12.1]**	**ND [0.06]**	**ND [10.2]**	**ND [10.1]**	**ND [10.1]**	**ND [0.0513]**	**ND [2.30]**	**ND [1.80]**	**ND [2.00]**	ND [2.0]	ND [2.0]
Chrysene	0.002	**ND [5.13]**	**ND [5.71]**	**ND [6.06]**	**ND [25.0]**	**ND [6.67]**	**ND [0.06]**	**ND [10.3]**	**ND [10]**	**ND [10]**	**ND [0.0526]**	**ND [2.40]**	**ND [1.90]**	**ND [2.30]**	ND [2.0]	**ND [2.0]**	**ND [5.13]**	**ND [5.56]**	**ND [5.13]**	**ND [12.1]**	**ND [0.06]**	**ND [10.2]**	**ND [10.1]**	**ND [10.1]**	**ND [0.0513]**	**ND [2.40]**	**ND [1.90]**	**ND [2.30]**	ND [2.0]	ND [2.0]
Dibenzo(a,h)anthracene	NS	ND [5.13]	ND [5.71]	ND [6.06]	ND [25.0]	ND [6.67]	ND [0.06]	ND [10.3]	ND [10]	ND [10]	ND [0.0526]	ND [2.60]	ND [1.90]	ND [2.30]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.56]	ND [5.13]	ND [12.1]	ND [0.06]	ND [10.2]	ND [10.1]	ND [10.1]	ND [0.0513]	ND [2.60]	ND [1.90]	ND [2.30]	ND [2.0]	ND [2.0]
Fluoranthene	50	ND [5.13]	ND [5.71]	ND [6.06]	ND [25.0]	ND [6.67]	ND [0.06]	ND [10.3]	ND [10]	ND [10]	ND [0.0526]	ND [2.90]	ND [2.50]	ND [2.60]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.56]	ND [5.13]	ND [12.1]	ND [0.06]	ND [10.2]	ND [10.1]	ND [10.1]	0.0821	ND [2.90]	ND [2.50]	ND [2.60]	ND [2.0]	ND [2.0]
Fluorene	50	ND [5.13]	ND [5.71]	ND [6.06]	ND [25.0]	ND [6.67]	ND [0.06]	ND [10.3]	ND [10]	ND [10]	ND [0.0526]	ND [2.50]	ND [2.40]	ND [2.20]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.56]	ND [5.13]	ND [12.1]	ND [0.06]	3.300 J	5.8 J	9.5 J	6.96	4.90 J	ND [2.40]	6.90	17	7.2
Indeno(1,2,3-cd)pyrene	0.002	**ND [5.13]**	**ND [5.71]**	**ND [6.06]**	**ND [25.0]**	**ND [6.67]**	**ND [0.06]**	**ND [10.3]**	**ND [10]**	ND [10]	ND [0.0526]	**ND [3.30]**	**ND [3.20]**	**ND [2.60]**	ND [2.0]	ND [2.0]	**ND [5.13]**	**ND [5.56]**	**ND [5.13]**	**ND [12.1]**	**ND [0.06]**	**ND [10.2]**	**ND [10.1]**	**ND [10.1]**	ND [0.0513]	**ND [3.30]**	**ND [3.20]**	**ND [2.60]**	ND [2.0]	ND [2.0]
Naphthalene	10	ND [5.13]	ND [5.71]	ND [6.06]	**ND [25.0]**	ND [6.67]	ND [0.06]	**ND [10.3]**	**NT**	NT	ND [0.0526]	ND [2.50]	ND [1.80]	ND [1.90]	ND [0.50]	ND [0.50]	ND [5.13]	ND [5.56]	ND [5.13]	**ND [12.1]**	0.141	**ND [10.2]**	**NT**	NT	0.533	ND [2.50]	ND [1.80]	ND [1.90]	ND [2.0]	ND [0.50] J
Phenanthrene	50	ND [5.13]	ND [5.71]	ND [6.06]	ND [25.0]	ND [6.67]	ND [0.06]	ND [10.3]	ND [10]	ND [10]	ND [0.0526]	ND [2.50]	ND [2.00]	ND [2.20]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.56]	ND [5.13]	ND [12.1]	0.471	ND [10.2]	5.3 J	10.7	7.27	ND [2.50]	ND [2.00]	4.80 J	29	11
Pyrene	50	ND [5.13]	ND [5.71]	ND [6.06]	ND [25.0]	ND [6.67]	ND [0.06]	ND [10.3]	ND [10]	ND [10]	ND [0.0526]	ND [2.50] J	ND [1.40]	ND [1.90]	ND [2.0]	ND [2.0]	ND [5.13]	ND [5.56]	ND [5.13]	ND [12.1]	ND [0.06]	ND [10.2]	ND [10.1]	ND [10.1]	0.185	ND [2.50] J	ND [1.40]	ND [1.90]	3.5	ND [2.0]

Compound	Groundwater Standard or Guidance Value [1]	Test Location and Sample Date								
		Field Blank								
		3/28/12	9/12/12	4/2/13	9/25/13	5/20/15	11/28/18	9/10/19	8/26/21	8/11/22	3/9/2023
2-Methylnaphthalene	NS	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	ND [10.1]	ND [2.83]	ND [2.50]	ND [2.20]	ND [2.0]	ND [2.0]
Acenaphthene	20	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	ND [10.1]	ND [0.0513]	ND [2.80]	ND [2.30]	ND [2.0]	ND [2.0]
Acenaphthylene	NS	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	ND [10.1]	ND [0.0513]	ND [2.70]	ND [2.10]	ND [2.0]	ND [2.0]
Anthracene	50	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	ND [10.1]	ND [0.0513]	ND [2.50]	ND [2.30]	ND [2.0]	ND [2.0]
Benzo(a)anthracene	0.002	**ND [5.13]**	**ND [5.26]**	**ND [5.26]**	ND [5.56]	**ND [10.1]**	**ND [0.0513]**	**ND [2.30]**	**ND [2.20]**	**ND [2.0]**	**ND [2.0]**
Benzo(a)pyrene	ND	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	ND [10.1]	ND [0.0513]	ND [2.40]	ND [2.00]	ND [2.0]	ND [2.0]
Benzo(b)fluoranthene	0.002	**ND [5.13]**	**ND [5.26]**	**ND [5.26]**	ND [5.56]	**ND [10.1]**	**ND [0.0513]**	**ND [2.30]**	**ND [2.00]**	**ND [2.0]**	**ND [2.0]**
Benzo(g,h,i)perylene	NS	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	ND [10.1]	ND [0.0513]	ND [2.60]	ND [2.00]	ND [2.0]	ND [2.0]
Benzo(k)fluoranthene	0.002	**ND [5.13]**	**ND [5.26]**	**ND [5.26]**	ND [5.56]	**ND [10.1]**	**ND [0.0513]**	**ND [2.30]**	**ND [2.00]**	**ND [2.0]**	**ND [2.0]**
Chrysene	0.002	**ND [5.13]**	**ND [5.26]**	**ND [5.26]**	ND [5.56]	**ND [10.1]**	**ND [0.0513]**	**ND [2.40]**	**ND [2.30]**	**ND [2.0]**	**ND [2.0]**
Dibenzo(a,h)anthracene	NS	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	ND [10.1]	ND [0.0513]	ND [2.60]	ND [2.30]	ND [2.0]	ND [2.0]
Fluoranthene	50	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	ND [10.1]	ND [0.0513]	ND [2.90]	ND [2.60]	ND [2.0]	ND [2.0]
Fluorene	50	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	ND [10.1]	ND [0.0513]	ND [2.50]	ND [2.20]	ND [2.0]	ND [2.0]
Indeno(1,2,3-cd)pyrene	0.002	**ND [5.13]**	**ND [5.26]**	**ND [5.26]**	ND [5.56]	**ND [10.1]**	ND [0.0513]	**ND [3.30]**	**ND [2.60]**	**ND [2.0]**	ND [2.0]
Naphthalene	10	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	**ND [10.1]**	ND [0.0513]	ND [2.50]	ND [1.90]	ND [0.50]	ND [0.50]
Phenanthrene	50	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	ND [10.1]	ND [0.0513]	ND [2.50]	ND [2.20]	ND [2.0]	ND [2.0]
Pyrene	50	ND [5.13]	ND [5.26]	ND [5.26]	ND [5.56]	ND [10.1]	ND [0.0513]	ND [2.50] J	ND [1.90]	ND [2.0]	ND [2.0]

Notes:
All results and groundwater standards/guidance values are in parts per billion (ppb)
(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.
ND [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in brackets
NS = No Standard
J = Estimated Concentration
BOLD TYPE indicates the concentration or reporting limit exceeds the groundwater standard or guidance value

Table 4 continued
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Detected Semi-Volatile Organic Compounds
Groundwater Samples

Compound	Groundwater Standard or Guidance Value [1]	Test Location and Sample Date				
		OUII-C	OUII-E	VE4-7	VE4-9	FA4-9
		8/24/21	8/24/21	8/25/21	8/25/21	8/26/21
2-Methylnaphthalene	NS	ND [2.20]	ND [2.20]	ND [2.20]	ND [2.20]	ND [2.20]
Acenaphthene	20	ND [2.30]	ND [2.30]	ND [2.30]	ND [2.30]	ND [2.30]
Acenaphthylene	NS	ND [2.10]	ND [2.10]	ND [2.10]	ND [2.10]	ND [2.10]
Anthracene	50	ND [2.30]	ND [2.30]	ND [2.30]	ND [2.30]	ND [2.30]
Benzo(a)anthracene	0.002	**ND [2.20]**	**ND [2.20]**	**ND [2.20]**	**ND [2.20]**	**ND [2.20]**
Benzo(a)pyrene	ND	ND [2.00]	ND [2.00]	ND [2.00]	ND [2.00]	ND [2.00]
Benzo(b)fluoranthene	0.002	**ND [2.00]**	**ND [2.00]**	**ND [2.00]**	**ND [2.00]**	**ND [2.00]**
Benzo(g,h,i)perylene	NS	ND [2.00]	ND [2.00]	ND [2.00]	ND [2.00]	ND [2.00]
Benzo(k)fluoranthene	0.002	**ND [2.00]**	**ND [2.00]**	**ND [2.00]**	**ND [2.00]**	**ND [2.00]**
Chrysene	0.002	**ND [2.30]**	**ND [2.30]**	**ND [2.30]**	**ND [2.30]**	**ND [2.30]**
Dibenzo(a,h)anthracene	NS	ND [2.30]	ND [2.30]	ND [2.30]	ND [2.30]	ND [2.30]
Fluoranthene	50	ND [2.60]	ND [2.60]	ND [2.60]	ND [2.60]	ND [2.60]
Fluorene	50	ND [2.20]	ND [2.20]	ND [2.20]	ND [2.20]	3.60
Indeno(1,2,3-cd)pyrene	0.002	**ND [2.60]**	**ND [2.60]**	**ND [2.60]**	**ND [2.60]**	**ND [2.60]**
Naphthalene	10	ND [1.90]	ND [1.90]	ND [1.90]	ND [1.90]	ND [1.90]
Phenanthrene	50	ND [2.20]	ND [2.20]	ND [2.20]	ND [2.20]	ND [2.20]
Pyrene	50	ND [1.90]	ND [1.90]	ND [1.90]	2.20 J	ND [1.90]

Notes:

All results and groundwater standards/guidance values are in parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.

ND [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in brackets

NS = No Standard

J = Estimated Concentration

BOLD TYPE indicates the concentration or reporting limit exceeds the groundwater standard or guidance value

Table 5
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Detected Polychlorinated Biphenyls
Groundwater Samples

Compound	Groundwater Standard or Guidance Value [1]	Test Location and Sample Date																												
		VE 1-2															VE 1-4													
		3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/17/16	8/2/17	11/27/18	9/10/19	6/3/20	8/25/21	8/11/22	Duplicate 8/11/2022	3/9/23	3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/18/16	8/2/17	11/27/18	9/10/19	6/3/20	8/25/21	8/11/22	3/9/23	03092023DUP
Aroclor 1016	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0606]	ND [0.0588]	ND [0.096]	ND [0.5]	ND [0.505]	ND [0.0513]	ND [0.093]	ND [0.12]	ND [0.13]	ND [0.25]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.098]	ND [0.51]	ND [0.502]	ND [0.0513]	ND [0.093]	ND [0.12]	ND [0.13]	ND [0.25]	ND [0.25]	ND [0.25]
Aroclor 1221	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0606]	ND [0.0588]	ND [0.1]	ND [0.5]	ND [0.505]	ND [0.0513]	ND [0.13]	ND [0.17]	ND [0.14]	ND [0.25]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.102]	ND [0.51]	ND [0.502]	ND [0.0513]	ND [0.13]	ND [0.17]	ND [0.14]	ND [0.25]	ND [0.25]	ND [0.25]
Aroclor 1232	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0606]	ND [0.0588]	ND [0.1]	ND [0.5]	ND [0.505]	ND [0.0513]	ND [0.18]	ND [0.14]	ND [0.17]	ND [0.25]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.0102]	ND [0.51]	ND [0.502]	ND [0.0513]	ND [0.18]	ND [0.14]	ND [0.17]	ND [0.25]	ND [0.25]	ND [0.25]
Aroclor 1242	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0606]	ND [0.0588]	ND [0.089]	ND [0.5]	ND [0.505]	ND [0.0513]	ND [0.18]	ND [0.11]	ND [0.12]	ND [0.25]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.091]	ND [0.51]	ND [0.502]	ND [0.0513]	ND [0.18]	ND [0.11]	ND [0.12]	ND [0.25]	ND [0.25]	ND [0.25]
Aroclor 1248	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0606]	ND [0.0588]	ND [0.1]	ND [0.5]	ND [0.505]	ND [0.0513]	ND [0.12]	ND [0.097]	ND [0.12]	ND [0.25]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.102]	ND [0.51]	ND [0.502]	ND [0.0513]	ND [0.12]	ND [0.097]	ND [0.12]	ND [0.25]	ND [0.25]	ND [0.25]
Aroclor 1254	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0606]	ND [0.0588]	ND [0.044]	ND [0.5]	ND [0.505]	ND [0.0513]	ND [0.12]	ND [0.11]	ND [0.12]	ND [0.25]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.045]	ND [0.51]	ND [0.502]	ND [0.0513]	ND [0.12]	ND [0.11]	ND [0.12]	ND [0.25]	ND [0.25]	ND [0.25]
Aroclor 1260	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0606]	ND [0.0588]	ND [0.081]	ND [0.5]	ND [0.505]	ND [0.0513]	ND [0.14]	ND [0.12]	ND [0.11]	ND [0.25]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.083]	ND [0.51]	ND [0.502]	ND [0.0513]	ND [0.14]	ND [0.12]	ND [0.11]	ND [0.25]	ND [0.25]	ND [0.25]
Aroclor 1262	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0606]	ND [0.0588]	ND [0.081]	ND [0.5]	ND [0.505]	ND [0.0513]	ND [0.19]	ND [0.097]	ND [0.12]	ND [0.25]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.083]	ND [0.51]	ND [0.502]	ND [0.0513]	ND [0.19]	ND [0.097]	ND [0.12]	ND [0.25]	ND [0.25]	ND [0.25]
Aroclor 1268	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0606]	ND [0.0588]	ND [0.081]	ND [0.5]	ND [0.505]	ND [0.0513]	ND [0.14]	ND [0.13]	ND [0.16]	ND [0.25]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.083]	ND [0.51]	ND [0.502]	ND [0.0513]	ND [0.14]	ND [0.13]	ND [0.16]	ND [0.25]	ND [0.25]	ND [0.25]
Total PCBs	0.09	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0606]	ND [0.0588]	ND [0.1]	ND [0.5]	ND [0.505]	ND [0.0513]	ND	ND	ND	ND [0.25]	ND [0.25]	ND	ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.102]	ND [0.51]	ND [0.502]	ND [0.0513]	ND	ND	ND	ND	ND	ND

Compound	Groundwater Standard or Guidance Value [1]	Test Location and Sample Date																												
		VE 2-1															VE 3-1													
		3/28/12	9/12/12	4/2/13	9/24/13	5/28/14	5/20/15	5/18/16	8/3/17	11/28/18	9/11/19	6/4/20	8/25/21	8/11/22	3/9/23		3/27/12	9/11/19	4/2/13	9/25/13	5/28/14	5/19/15	5/18/16	8/3/17	11/28/18	9/11/19	6/3/20	8/25/21	3/9/23		
Aroclor 1016	NS	ND [0.0513]	ND [0.0571]	ND [0.0526]	ND [0.0667]	ND [0.0625]	ND [0.097]	ND [0.505]	ND [0.507]	ND [0.0513]	ND [0.093]	ND [0.12]	ND [0.12]	ND [0.25]	ND [0.25]		ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.096]	ND [0.505]	ND [0.505]	ND [0.0513]	ND [0.093]	ND [0.12] J	ND [0.13]	ND [0.25]		
Aroclor 1221	NS	ND [0.0513]	ND [0.0571]	ND [0.0526]	ND [0.0667]	ND [0.0625]	ND [0.101]	ND [0.505]	ND [0.507]	ND [0.0513]	ND [0.13]	ND [0.17]	ND [0.17]	ND [0.25]	ND [0.25]		ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.1]	ND [0.505]	ND [0.505]	ND [0.0513]	ND [0.13]	ND [0.17] J	ND [0.14]	ND [0.25]		
Aroclor 1232	NS	ND [0.0513]	ND [0.0571]	ND [0.0526]	ND [0.0667]	ND [0.0625]	ND [0.101]	ND [0.505]	ND [0.507]	ND [0.0513]	ND [0.18]	ND [0.14]	ND [0.14]	ND [0.25]	ND [0.25]		ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.1]	ND [0.505]	ND [0.505]	ND [0.0513]	ND [0.18]	ND [0.14] J	ND [0.17]	ND [0.25]		
Aroclor 1242	NS	ND [0.0513]	ND [0.0571]	ND [0.0526]	ND [0.0667]	ND [0.0625]	ND [0.09]	ND [0.505]	ND [0.507]	ND [0.0513]	ND [0.18]	ND [0.11]	ND [0.11]	ND [0.25]	ND [0.25]		ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.089]	ND [0.505]	ND [0.505]	ND [0.0513]	ND [0.18]	ND [0.11] J	ND [0.12]	ND [0.25]		
Aroclor 1248	NS	ND [0.0513]	ND [0.0571]	ND [0.0526]	ND [0.0667]	ND [0.0625]	ND [0101]	ND [0.505]	ND [0.507]	ND [0.0513]	ND [0.12]	ND [0.097]	ND [0.097]	ND [0.25]	ND [0.25]		ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.1]	ND [0.505]	ND [0.505]	ND [0.0513]	ND [0.12]	ND [0.097] J	ND [0.12]	ND [0.25]		
Aroclor 1254	NS	ND [0.0513]	ND [0.0571]	ND [0.0526]	ND [0.0667]	ND [0.0625]	ND [0.044]	ND [0.505]	ND [0.507]	ND [0.0513]	ND [0.12]	ND [0.11]	ND [0.11]	ND [0.25]	ND [0.25]		ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.044]	ND [0.505]	ND [0.505]	ND [0.0513]	ND [0.12]	ND [0.11] J	ND [0.12]	ND [0.25]		
Aroclor 1260	NS	ND [0.0513]	ND [0.0571]	ND [0.0526]	ND [0.0667]	ND [0.0625]	ND [0.082]	ND [0.505]	ND [0.507]	ND [0.0513]	ND [0.14]	ND [0.12]	ND [0.12]	ND [0.25]	ND [0.25]		ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.081]	ND [0.505]	ND [0.505]	ND [0.0513]	ND [0.14]	ND [0.12] J	ND [0.11]	ND [0.25]		
Aroclor 1262	NS	ND [0.0513]	ND [0.0571]	ND [0.0526]	ND [0.0667]	ND [0.0625]	ND [0.082]	ND [0.505]	ND [0.507]	ND [0.0513]	ND [0.19]	ND [0.097]	ND [0.097]	ND [0.25]	ND [0.25]		ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.081]	ND [0.505]	ND [0.505]	ND [0.0513]	ND [0.19]	ND [0.097] J	ND [0.12]	ND [0.25]		
Aroclor 1268	NS	ND [0.0513]	ND [0.0571]	ND [0.0526]	ND [0.0667]	ND [0.0625]	ND [0.082]	ND [0.505]	ND [0.507]	ND [0.0513]	ND [0.14]	ND [0.13]	ND [0.13]	ND [0.25]	ND [0.25]		ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.081]	ND [0.505]	ND [0.505]	ND [0.0513]	ND [0.14]	ND [0.13] J	ND [0.16]	ND [0.25]		
Total PCBs	0.09	ND [0.0513]	ND [0.0571]	ND [0.0526]	ND [0.0667]	ND [0.0625]	ND [0.101]	ND [0.505]	ND [0.507]	ND [0.0513]	ND	ND	ND	ND [0.25]	ND		ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.1]	ND [0.505]	ND [0.505]	ND [0.0513]	ND	ND	ND	ND		

Notes:
All results and groundwater standards/guidance values are in parts per billion (ppb)
(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.
ND [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in brackets
NS = No Standard
BOLD TYPE indicates the concentration exceeds the groundwater standard for total PCBs

Table 5 Continued
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Detected Polychlorinated Biphenyls
Groundwater Samples

Compound	Groundwater Standard or Guidance Value [(1)]	Test Location and Sample Date														
		VE 4-11														
		3/27/12	9/11/12	9/11/12 DUP	4/2/13	9/24/13	5/27/14	5/19/15	5/17/16	8/2/17	11/27/18	9/10/19	6/3/20	8/24/21	8/11/22	3/9/23
Aroclor 1016	NS	ND [0.0513]	ND [0.0625]	ND [0.0690]	ND [0.0500]	ND [0.0667]	ND [0.0588]	ND [0.099]	ND [0.5]	ND [0.506]	ND [0.0513]	ND [0.093]	ND [0.12]	ND [0.13]	ND [0.25]	ND [0.25]
Aroclor 1221	NS	ND [0.0513]	ND [0.0625]	ND [0.0690]	ND [0.0500]	ND [0.0667]	ND [0.0588]	ND [0.103]	ND [0.5]	ND [0.506]	ND [0.0513]	ND [0.13]	ND [0.17]	ND [0.14]	ND [0.25]	ND [0.25]
Aroclor 1232	NS	ND [0.0513]	ND [0.0625]	ND [0.0690]	ND [0.0500]	ND [0.0667]	ND [0.0588]	ND [0.103]	ND [0.5]	ND [0.506]	ND [0.0513]	ND [0.18]	ND [0.14]	ND [0.17]	ND [0.25]	ND [0.25]
Aroclor 1242	NS	ND [0.0513]	ND [0.0625]	ND [0.0690]	ND [0.0500]	ND [0.0667]	ND [0.0588]	ND [0.092]	ND [0.5]	ND [0.506]	ND [0.0513]	ND [0.18]	ND [0.11]	ND [0.12]	ND [0.25]	ND [0.25]
Aroclor 1248	NS	ND [0.0513]	ND [0.0625]	ND [0.0690]	ND [0.0500]	ND [0.0667]	ND [0.0588]	ND [0.103]	ND [0.5]	ND [0.506]	ND [0.0513]	ND [0.12]	ND [0.097]	ND [0.12]	ND [0.25]	ND [0.25]
Aroclor 1254	NS	ND [0.0513]	0.0805	0.0786	ND [0.0500]	0.0928	ND [0.0588]	ND [0.045]	0.914	0.711	ND [0.0513]	0.29 J	ND [0.11]	ND [0.12]	1.1 J	ND [0.25]
Aroclor 1260	NS	ND [0.0513]	ND [0.0625]	ND [0.0690]	ND [0.0500]	ND [0.0667]	ND [0.0588]	ND [0.084]	ND [0.5]	ND [0.506]	ND [0.0513]	ND [0.14]	ND [0.12]	ND [0.11]	ND [0.25]	ND [0.25]
Aroclor 1262	NS	ND [0.0513]	ND [0.0625]	ND [0.0690]	ND [0.0500]	ND [0.0667]	ND [0.0588]	ND [0.084]	ND [0.5]	ND [0.506]	ND [0.0513]	ND [0.19]	ND [0.097]	ND [0.12]	ND [0.25]	ND [0.25]
Aroclor 1268	NS	ND [0.0513]	ND [0.0625]	ND [0.0690]	ND [0.0500]	ND [0.0667]	ND [0.0588]	ND [0.084]	ND [0.5]	ND [0.506]	0.0747	ND [0.14]	ND [0.13]	ND [0.16]	ND [0.25]	ND [0.25]
Total PCBs	0.09	ND [0.0513]	0.0805	0.0786	ND [0.0500]	**0.0928**	ND [0.0588]	ND [0.103]	**0.914**	**0.711**	0.0747	**0.29 J**	ND	ND	1.1	ND

Compound	Groundwater Standard or Guidance Value [(1)]	Test Location and Sample Date																			
		DAY 1														Field Blank							
		3/27/12	9/11/12	4/2/13	9/24/13	5/27/14	5/19/15	5/17/16	8/2/17	11/27/18	9/11/19	6/3/20	8/26/21	8/10/22	3/8/23	3/28/12	9/12/12	4/2/13	9/25/13	5/20/15	11/28/18	9/11/19	8/11/2022
Aroclor 1016	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.098]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.093]	ND [0.12]	ND [0.13]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.097]	ND [0.0513]	ND [0.093]	ND [0.25]
Aroclor 1221	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.102]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.13]	ND [0.17]	ND [0.14]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.101]	ND [0.0513]	ND [0.13]	ND [0.25]
Aroclor 1232	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.102]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.18]	ND [0.14]	ND [0.17]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.101]	ND [0.0513]	ND [0.18]	ND [0.25]
Aroclor 1242	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.091]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.18]	ND [0.11]	ND [0.12]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.09]	ND [0.0513]	ND [0.18]	ND [0.25]
Aroclor 1248	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.102]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.12]	ND [0.097]	ND [0.12]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.101]	ND [0.0513]	ND [0.12]	ND [0.25]
Aroclor 1254	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.045]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.12]	ND [0.11]	ND [0.12]	6.5 J	ND [0.25]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.044]	ND [0.0513]	ND [0.12]	ND [0.25]
Aroclor 1260	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.083]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.14]	ND [0.12]	ND [0.11]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.082]	ND [0.0513]	ND [0.14]	ND [0.25]
Aroclor 1262	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.083]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.19]	ND [0.097]	ND [0.12]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.082]	ND [0.0513]	ND [0.19]	ND [0.25]
Aroclor 1268	NS	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.083]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.14]	ND [0.13]	ND [0.16]	ND [0.25]	ND [0.25]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.082]	ND [0.0513]	ND [0.14]	ND [0.25]
Total PCBs	0.09	ND [0.0513]	ND [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.102]	ND [0.51]	ND [0.504]	ND [0.0513]	ND	ND	ND	6.5	ND	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.101]	ND [0.0513]	ND	ND [0.25]

Notes:

All results and groundwater standards/guidance values are in parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.

ND [Reporting Limit] = Not Detected at a concentation greater than the reporting limit shown in brackets

NS = No Standard

BOLD TYPE indicates the concentration exceeds the groundwater standard for total PCBs

Table 5 continued
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Detected Polychlorinated Biphenyls
Groundwater Samples

Compound	Groundwater Standard or Guidance Value [1]	Test Location and Sample Date																
		OUII-A			OUII-B		OUII-C			OUII-D			OUII-E			OUII-F		
		8/24/21	8/10/22	3/8/23	8/10/22	3/8/23	8/24/21	8/10/22	3/8/23	8/24/21	8/10/22	3/8/2022*	8/24/21	8/10/22	3/8/23	8/24/21	8/10/22	3/8/23
Aroclor 1016	NS	ND [0.13]	ND [1.3]	ND [1.3]	ND [0.75]	ND [0.50]	ND [0.13]	ND [0.26]	ND [0.25]	ND [0.91]	ND [0.26]	ND [0.50]	ND [0.13]	ND [0.26]	ND [0.25]	ND [0.13]	ND [0.25]	ND [0.25]
Aroclor 1221	NS	ND [0.14]	ND [1.3]	ND [1.3]	ND [0.75]	ND [0.50]	ND [0.14]	ND [0.26]	ND [0.25]	ND [0.99]	ND [0.26]	ND [0.50]	ND [0.14]	ND [0.26]	ND [0.25]	ND [0.14]	ND [0.25]	ND [0.25]
Aroclor 1232	NS	ND [0.17]	ND [1.3]	ND [1.3]	ND [0.75]	ND [0.50]	ND [0.17]	ND [0.26]	ND [0.25]	ND [1.20]	ND [0.26]	ND [0.50]	ND [0.17]	ND [0.26]	ND [0.25]	ND [0.17]	ND [0.25]	ND [0.25]
Aroclor 1242	NS	ND [0.12]	ND [1.3]	ND [1.3]	ND [0.75]	ND [0.50]	ND [0.12]	ND [0.26]	ND [0.25]	ND [0.84]	ND [0.26]	ND [0.50]	ND [0.12]	ND [0.26]	ND [0.25]	ND [0.12]	ND [0.25]	ND [0.25]
Aroclor 1248	NS	ND [0.12]	ND [1.3]	ND [1.3]	ND [0.75]	ND [0.50]	ND [0.12]	ND [0.26]	ND [0.25]	ND [0.87]	ND [0.26]	ND [0.50]	ND [0.12]	ND [0.26]	ND [0.25]	ND [0.12]	ND [0.25]	ND [0.25]
Aroclor 1254	NS	14.7 DJ	66 J	33 J	28 J	7 J	ND [0.12]	ND [0.26]	ND [0.25]	8.30 PJ	0.61 J	2.3	ND [0.12]	0.36 J	ND [0.25]	2.00 PJ	4.8 J	7.5
Aroclor 1260	NS	ND [0.11]	ND [1.3]	ND [1.3]	ND [0.75]	ND [0.50]	ND [0.11]	ND [0.26]	ND [0.25]	ND [0.76]	ND [0.26]	ND [0.50]	ND [0.11]	ND [0.26]	ND [0.25]	ND [0.11]	ND [0.25]	ND [0.25]
Aroclor 1262	NS	ND [0.12]	ND [1.3]	ND [1.3]	ND [0.75]	ND [0.50]	ND [0.12]	ND [0.26]	ND [0.25]	ND [0.84]	ND [0.26]	ND [0.50]	ND [0.12]	ND [0.26]	ND [0.25]	ND [0.12]	ND [0.25]	ND [0.25]
Aroclor 1268	NS	ND [0.16]	ND [1.3]	ND [1.3]	ND [0.75]	ND [0.50]	ND [0.16]	ND [0.26]	ND [0.25]	ND [1.20]	ND [0.26]	ND [0.50]	ND [0.16]	ND [0.26]	ND [0.25]	ND [0.16]	ND [0.25]	ND [0.25]
Total PCBs	0.09	**14.7**	**66**	**33**	**28**	**7**	ND	ND [0.26]	ND [0.25]	**8.3**	**0.61**	**2.3**	ND	**0.36**	ND [0.25]	**2**	**4.8**	**7.5**

Compound	Groundwater Standard or Guidance Value [1]	Test Location and Sample Date															
		FA4-9			FA4-11	FA4-16			PGW-2			VE4-7			VE4-9		
		8/26/21	8/10/22	3/8/2023*	8/24/21	8/24/21	8/10/22	3/8/2023*	8/24/21	8/10/22	3/8/2023*	8/25/21	8/10/22	3/8/23	8/24/21	8/10/22	3/8/2023*
Aroclor 1016	NS	ND [0.13]	ND [5.0]	ND [2.5]	ND [0.13]	ND [0.13]	J	ND [2.5]	ND [0.41]	ND [0.25]	ND [2.5]	ND [0.13]	ND [0.25]	ND [2.5]	ND [0.13]	ND [1.3]	ND [2.5]
Aroclor 1221	NS	ND [0.14]	ND [5.0]	ND [2.5]	ND [0.14]	ND [0.14]	ND [5.0]	ND [2.5]	ND [0.45]	ND [0.25]	ND [2.5]	ND [0.14]	ND [0.25]	ND [2.5]	ND [0.14]	ND [1.3]	ND [2.5]
Aroclor 1232	NS	ND [0.17]	ND [5.0]	ND [2.5]	ND [0.17]	ND [0.17]	ND [5.0]	ND [2.5]	ND [0.54]	ND [0.25]	ND [2.5]	ND [0.17]	ND [0.25]	ND [2.5]	ND [0.17]	ND [1.3]	ND [2.5]
Aroclor 1242	NS	ND [0.12]	ND [5.0]	ND [2.5]	ND [0.12]	ND [0.12]	ND [5.0]	ND [2.5]	ND [0.38]	ND [0.25]	ND [2.5]	ND [0.12]	ND [0.25]	ND [2.5]	ND [0.12]	ND [1.3]	ND [2.5]
Aroclor 1248	NS	ND [0.12]	ND [5.0]	ND [2.5]	ND [0.12]	ND [0.12]	ND [5.0]	ND [2.5]	ND [0.39]	ND [0.25]	ND [2.5]	ND [0.12]	ND [0.25]	ND [2.5]	ND [0.12]	ND [1.3]	ND [2.5]
Aroclor 1254	NS	ND [0.12] J	140 J	30 J	0.89 PJ	10 J	67 J	34EJ	2.1 J	4.2 J	4.7	0.35 JP	3.7 J	47 J	ND [0.12]	17 J	52 J
Aroclor 1260	NS	ND [0.11]	ND [5.0]	ND [2.5]	ND [0.11]	ND [0.11]	ND [5.0] J	ND [2.5]	ND [0.34]	ND [0.25]	ND [2.5]	ND [0.11]	ND [0.25]	ND [2.5]	ND [0.11]	ND [1.3]	ND [2.5]
Aroclor 1262	NS	ND [0.12]	ND [5.0]	ND [2.5]	ND [0.12]	ND [0.12]	ND [5.0]	ND [2.5]	ND [0.38]	ND [0.25]	ND [2.5]	ND [0.12]	ND [0.25]	ND [2.5]	ND [0.12]	ND [1.3]	ND [2.5]
Aroclor 1268	NS	ND [0.16]	ND [5.0]	ND [2.5]	ND [0.16]	ND [0.16]	ND [5.0]	ND [2.5]	ND [0.53]	ND [0.25]	ND [2.5]	ND [0.16]	ND [0.25]	ND [2.5]	ND [0.16]	ND [1.3]	ND [2.5]
Total PCBs	0.09	ND	**140**	**30**	**0.89**	**10**	**67**	**34**	**2.1**	**4.2**	**4.7**	**0.35**	**3.7**	**47**	ND	**17**	**52**

Notes:

All results and groundwater standards/guidance values are in parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.

ND [Reporting Limit] = Not Detected at a concentration greater than the reporting limit shown in brackets

NS = No Standard

BOLD TYPE indicates the concentration exceeds the groundwater standard for total PCBs

P = Indicates >25% difference for detected concentrations between the two GC columns

J = Value higher than laboratory method detection limit but below laboratory reporting limit

E = Estimated value

* = NAPL sample analyzed

Table 6
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Detected Metals
Groundwater Samples

Compound	Groundwater Standard or Guidance Value[(1)]	Test Location and Sample Date													
		VE 1-2													
		3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/17/16	8/2/17	11/27/18	9/10/19	6/3/20	8/25/21	8/11/22	Duplicate 8/11/22	3/9/23
Arsenic	25	ND [10]	ND [4.0]	ND [4.0]	ND [4.0]	ND [4.0]	2.82	4.71	1.57	ND [1.11]	ND [0.68]	ND [2.38]	ND [4.13]	ND [2.0]	4.3	ND [2.0]
Chromium	50	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	0.969 J	1.71 JN*	0.85 JN	ND [1.11]	ND [1.33]	1.53 J	2.32 J	2.4	7.5	ND [2.0]
Copper	200	ND [5]	ND [5]	ND [5]	ND [3]	ND [3]	3.21	21.5 N	4.48	5.52	ND [10]	28.2	20.7 JH	29	160	ND [10]
Lead	25	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	4.34	7.76	1.56*	2.32	22.2	31.2	6.66	21	**51**	ND [3.0]

Compound	Groundwater Standard or Guidance Value[(1)]	Test Location and Sample Date														
		VE 1-4														
		3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/18/16	8/2/17	11/27/18	9/10/19	6/3/20	8/25/21	8/25/21	8/11/22	3/9/23	0302023DUP
Arsenic	25	ND [10]	ND [4.0]	ND [4.0]	ND [4.0]	ND [4.0]	3.5	**36.5**	1.21	1.22	ND [0.68]	ND [2.38]	ND [4.13]	ND [4.13]	ND [2.0]	ND [2.0] J	ND [2.0] J
Chromium	50	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	0.796 J	**139 N***	1.62 JN	1.26	ND [1.33]	1.24 J	1.42 J	1.42 J	ND [2.0]	2.3	ND [2.0]
Copper	200	ND [5]	ND [5]	ND [5]	ND [3]	ND [3]	10.8	**6060 N**	48	57.3	ND [10]	5.31 J	22.3 JH	22.3	34	16	ND [10]
Lead	25	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	3.89	**1690**	14.7*	17.8	14.4	20.7	3.55 J	3.55 J	14	6.3 J	ND [3.0] J

Compound	Groundwater Standard or Guidance Value[(1)]	Test Location and Sample Date												
		VE 2-1												
		3/28/12	9/12/12	4/2/13	9/24/13	5/28/14	5/20/15	5/18/16	8/3/17	11/28/18	9/11/19	6/4/20	DUP	8/25/21	8/11/22	3/9/23
Arsenic	25	ND [10]	ND [4.0]	ND [4.0]	ND [4.0]	ND [4.0]	0.507 J	0.42 J	0.92 J	ND [1.11]	ND [0.68]	ND [2.38]	ND [2.38]	ND [4.13]	ND [2.0]	ND [2.0]
Chromium	50	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	0.137 J	0.65 JN*	0.73 JN	ND [1.11]	ND [1.33]	ND [0.81] J	ND [0.81] J	1.25 J	ND [2.0]	ND [2.0]
Copper	200	ND [5]	6.72	5.56	4.70	9.00	4.55	3.5 N	3.48	10.70	ND [10]	4.92 J	4.47 J	1.68 JH	ND [10]	ND [10]
Lead	25	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	1.38	0.3 J	0.17 J*	ND [1.11]	8.83	23.3	23.3	ND [1.64]	ND [3.0] J	ND [3.0]

Compound	Groundwater Standard or Guidance Value[(1)]	Test Location and Sample Date												
		VE 3-1												
		3/27/12	9/11/12	4/2/13	9/25/13	5/28/14	5/19/15	5/18/16	8/3/17	11/28/18	9/11/19	6/3/20	8/25/21	3/9/23
Arsenic	25	ND [10]	4.71	6.03	ND [4.0]	5.62	9.16	16.5	19.1	26.9	ND [0.68]	ND [2.38]	11	4.9
Chromium	50	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	3.07	5.62 N*	5.35 N	6.34	ND [1.33]	2.44 J	6.51	3
Copper	200	ND [5]	ND [5]	ND [5]	ND [3]	ND [3]	5.24	6.73 N	9.65	10.50	21.7 JH	3.97 J	7.86 JH	ND [10]
Lead	25	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	3.77	1.44	2.71 *	3.59	10 U	9.64	6.33	3.9

Notes:

All results and groundwater standards/guidance values are in parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.

ND (Method Detection Limit) [Reporting Limit] = Not Detected at a concentration greater than the reporting limit shown in brackets

NS = No Standard

J = Estimated Concentration

N = Indicates the spiked sample recovery is not within control limits

H = Result may be biased high

* = Indicates that the duplicate analysis is not within control limits

BOLD TYPE indicates the reported concentration or reporting limit exceeds the groundwater standard or guidance value

Table 6 Continued
NYSDEC Site #360010
Harmon Yard Waste Water Area
OU II

Summary of Detected Metals
Groundwater Samples

Compound	Groundwater Standard or Guidance Value[(1)]	Test Location and Sample Date														
		VE 4-11														
		3/27/12	9/11/12	9/11/2012 DUP	4/2/13	9/24/13	5/27/14	5/19/15	5/17/16	8/2/17	11/27/18	9/10/19	6/3/20	8/24/21	8/11/22	3/9/23
Arsenic	25	ND [10]	ND [4.0]	ND [4.0]	ND [4.0]	ND [4.0]	ND [4.0]	2.3	0.76 J	1.67	ND [1.11]	ND [0.68]	ND [2.38]	ND [4.13]	ND [2.0]	ND [2.0]
Chromium	50	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	1.37 J	0.66 JN*	0.81 JN	ND [1.11]	ND [1.33]	ND [0.81] J	0.92 J	ND [2.0]	ND [2.0]
Copper	200	7.64	10.1	8.7	ND [5]	13.7	4.44	9.24	9.02 N	7.24	ND [1.11]	ND [10]	5.53 J	8.21 JH	ND [10]	ND [10]
Lead	25	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	1.55	0.19 J	0.66 J*	ND [1.11]	11.6	24.4 JH	2.39 J	ND [3.0]	ND [3.0]

Compound	Groundwater Standard or Guidance Value[(1)]	Test Location and Sample Date												
		DAY 1												
		3/27/12	9/11/12	4/2/13	9/24/13	5/27/14	5/19/15	5/17/16	8/2/17	11/27/18	9/10/19	6/3/20	8/26/21	8/10/22	3/8/23
Arsenic	25	ND [10]	12.5	ND [4.0]	ND [4.0]	ND [4.0]	10.7	10.6	10.8	12.4	ND [0.68]	ND [2.38]	10.6	11	9.4
Chromium	50	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	1.31 J	1.44 JN*	0.95 JN	ND [1.11]	ND [1.33]	3.38 J	ND [0.74]	11	4.9
Copper	200	ND [5]	ND [5]	ND [5]	ND [3]	ND [3]	1.34 J	2.77 N	2.99	1.57	ND [10]	3.40 J	1.98 JH	16	ND [10]
Lead	25	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	1.75	0.15 J	0.41 J*	ND [1.11]	3.80 J	ND [1.25]	2.15 J	8.5	ND [3.0]

Compound	Groundwater Standard or Guidance Value[(1)]	Test Location and Sample Date										
		Field Blank										
		3/28/12	9/12/12	4/2/13	9/25/13	5/20/15	11/28/18	9/11/19	6/4/20	8/26/21	8/11/22	3/9/23
Arsenic	25	ND [10]	ND [4.0]	ND [4.0]	ND [4.0]	ND [1.0]	ND [1.11]	ND [0.68]	ND [2.38]	ND [4.13]	ND [2.0]	ND [2.0]
Chromium	50	ND [5]	ND [5]	ND [5]	ND [5]	0.431 J	ND [1.11]	ND [1.33]	ND [0.81] J	ND [0.74]	ND [2.0]	ND [2.0]
Copper	200	ND [5]	ND [5]	ND [5]	17.3	80	ND [1.11]	ND [0.49]	ND [1.23]	ND [0.89]	ND [10]	ND [10]
Lead	25	ND [3]	ND [3]	ND [3]	ND [3]	1.6	ND [1.11]	ND [1.43]	ND [1.25] JH	ND [1.64]	ND [3.0]	ND [3.0]

Notes:

All results and groundwater standards/guidance values are in parts per billion (ppb)

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended in January 1999, April 2000,and June 2004.

ND (Method Detection Limit) [Reporting Limit] = Not Detected at a concentration greater than the reporting limit shown in brackets

NS = No Standard

J = Estimated Concentration

N = Indicates the spiked sample recovery is not within control limits

H = Result may be biased high

* = Indicates that the duplicate analysis is not within control limits

BOLD TYPE indicates the reported concentration or reporting limit exceeds the groundwater standard or guidance value

Table 7
NYSDEC Site #360010
Harmon Yard Waste Water Area
OUII

Summary of Detected PFAS and 1,4-Dioxane
Groundwater Samples

Compound	Guidance Values[1]	Test Location and Sample Date																		
		VE 1-2	VE 1-4								VE 2-1									
		8/2/17	8/2/17	11/27/18	9/10/19	6/3/20	8/25/21	DUP (8/25/21)	8/11/22	3/9/23	030923 DUP	8/2/17	11/28/18	DUP (11/28/18)	9/11/19	DUP (9/11/19)	6/4/20	DUP (6/4/20)	8/25/21	8/11/22	3/9/23
Perfluoroheptanoic acid (PFHpA)	100	ND [0.79]	7.7	45	12.9	12 J	19	19	8.2	7.72	7.35	4	ND [2.0]	ND [2.0]	ND [10]	ND [10]	3.3 J	3.0 J	19	4.6	ND [1.26]
Perfluorooctanoic acid (PFOA)	6.7	5.2	29	50	51.3	15 J	44	43	12.3	7.01	6.16	7.7	ND [2.0]	ND [2.0]	ND [10]	ND [10]	4.4	6.9	23	7.3	0.844 J
Perfluorononanoic acid (PFNA)	100	1.3 J	2.8	7.1	ND [10]	4.1 J	5.0	4.9	1.9	1.23 J	ND [0.939]	2.6	ND [2.0]	ND [2.0]	ND [10]	ND [10]	2.3 J	2.8 J	2.9	ND [1.8]	ND [0.925]
Perfluorodecanoic acid (PFDA)	100	ND [0.43]	ND [0.43]	4.1	ND [10]	1.3 J	1.1 J	0.97 J	ND [1.8]	ND [1.34]	ND [1.35]	0.76 J	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [4.5]	ND [4.5]	ND [0.41]	ND [1.8]	ND [1.33]
Perfluoroundecanoic acid (PFUnA)	100	ND [0.73]	ND [0.73]	ND [2.0]	ND [10]	ND [4.5]	ND [0.43]	ND [0.42]	ND [1.8]	ND [2.01]	ND [2.04]	ND [0.74]	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [4.5]	ND [4.5]	ND [0.41]	ND [1.8]	ND [2.01]
Perfluorododecanoic acid (PFDoA)	100	1.2 J	ND [0.57]	ND [2.0]	ND [10]	ND [4.5]	ND [0.43]	ND [0.42]	ND [1.8]	ND [1.57]	ND [1.59]	ND [0.58]	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [4.5]	ND [4.5]	ND [0.41]	ND [1.8]	ND [1.57]
Perfluorotridecanoic acid (PFTriA)	100	ND [0.54]	ND [0.54]	ND [2.0]	ND [10]	ND [4.5]	ND [0.43]	ND [0.42]	ND [1.8]	ND [1.32]	ND [1.34]	ND [0.54]	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [4.5]	ND [4.5]	ND [0.41]	ND [1.8] J	ND [1.32]
Perfluorotetradecanoic acid (PFTeA)	100	ND [0.20]	ND [0.19]	ND [2.0]	ND [10]	ND [4.5]	ND [0.43]	ND [0.42]	ND [1.8]	ND [1.23]	ND [1.25]	0.27 J B	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [4.5]	ND [4.5]	ND [0.41]	ND [1.8] J	ND [1.23]
Perfluorohexanesulfonic acid (PFHxS)	100	7.4	9.7	11	20.3	5.3	3.9	4.0	ND [1.8]	4.62	4.43	24	3.4	5.4	ND [10]	ND [10]	11	14	41	15.4	8.79
Perfluoroheptanesulfonic acid (PFHpS)	100	ND [0.70]	0.77 J	2.2	ND [10]	0.80 J	1.5 J *-	1.7 *-	ND [1.8]	ND [1.62]	ND [1.64]	ND [0.70]	ND [2.0]	ND [2.0]	ND [10]	ND [10]	0.89 J	0.73 J	0.89 *-	ND [1.8]	ND [1.62]
Perfluorooctanesulfonic acid (PFOS)	2.7	37	62	43	63.3	34	71	73	55.5	24.1	22.7	55	16	21	42.9	38.2	56	60	81	60.5	33.5
Perfluorodecanesulfonic acid (PFDS)	100	ND [1.2]	ND [1.2]	ND [2.0]	ND [10]	ND [4.5]	ND [0.43]	ND *- [0.42]	ND [1.8] J	ND [2.35]	ND [2.38]	ND [1.2]	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [4.5]	ND [4.5]	ND *- [0.41]	ND [1.8]	ND [2.35]
Perfluorooctane Sulfonamide (FOSA)	100	ND [0.63]	ND [0.62]	ND [2.0]	ND [10]	ND [4.5]	2.2	1.8	ND [18]	ND [1.57]	ND [1.59]	3.9 J	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [4.5]	ND [4.5]	0.42 J	ND [18] J	ND [1.57]
Perfluorobutanoic acid (PFBA)	100	ND [22]	ND [22]	10	13.4	ND [4.5]	12	12	4.1	7.20 J	11.1 J	54 J B Cl	ND [2.0]	ND [2.0]	ND [10]	ND [10]	2.0 J	3.1 J	100	4.4	ND [0.587]
Perfluoropentanoic acid (PFPeA)	100	ND [48]	ND [48]	93	14.6	10	24 *-	24 *-	19.8	12.4	11.8	ND [49]	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [4.5]	ND [4.5]	35 *-	ND [8.9]	0.986 J
Perfluorohexanoic acid (PFHxA)	100	ND [39]	ND [38]	50	14.2	8.8	21	22	9.7	6.84	7.64	ND [39]	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [9.2] J	ND [9.2] J	42	4.8	0.803 J
Perfluorobutanesulfonic acid (PFBS)	100	ND [45]	ND [45]	13	ND [10]	3.2 J	3 *-	3.1 *-	ND [1.8]	7.76	7.10	ND [45]	ND [2.0]	ND [2.0]	ND [10]	ND [10]	2.0 J	1.9 J	7.0 *-	2.8	0.965 J
6:2 Fluorotelomersulfonate (6:2 FTS)	100	NT	NT	50	ND [25]	0.85 J	ND [1.7]	ND [1.7]	ND [7.1]	ND [1.89]	ND [3.70]	NT	ND [2.0]	ND [2.0]	ND [10]	ND [25]	ND [4.5] J	ND [4.5] J	ND [1.7]	ND [7.1]	ND [1.89]
8:2 Fluorotelomersulfonate (8:2 FTS)	100	NT	NT	5.3	ND [10]	0.38 J	ND [0.82]	ND [0.84]	ND [7.1]	ND [3.65]	ND [1.91]	NT	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [4.5] J	ND [4.5] J	ND [0.83]	ND [7.1]	ND [3.65]
NMeFOSAA	100	NT	NT	ND [2.0]	ND [10]	ND [4.5]	ND [0.52]	ND [0.50]	ND [3.6]	ND [7.11]	ND [1.43]	NT	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [4.5]	ND [4.5]	ND [0.50]	ND [3.6]	ND [1.41]
NEtFOSAA	100	NT	NT	ND [2.0]	ND [10]	ND [4.5] J	ND [0.43]	ND [0.42]	ND [3.6]	ND [2.82]	ND [1.86]	NT	ND [2.0]	ND [2.0]	ND [10]	ND [10]	ND [4.5]	ND [4.5]	ND [0.41]	ND [3.6]	ND [1.83]
PFOA & PFOS		42.2	91	93	114.6	49	115	116	67.8	31.11	28.86	62.7	16	21	42.9	38.2	60.4	66.9	104	67.8	34.344
Maximum PFAS (not inc PFOA/PFOS)		7.4	9.7	93	20.3	10	92.7	93.47	55.5	56.5	57.5	24	3.4	5.4	0	0	11	14	100	60.5	8.79
Total PFAS	500	49.6	111.2	383.7	190	95.73	207.7	209.47	111.50	78.90	78.25	93.3	19.4	26.4	42.9	38.2	81.89	92.43	352.21	99.8	45.888
1,4-Dioxane	350	NT	NT	ND [200]	ND [200]	ND [90]	ND [100]	ND [100]	ND [100]	ND [100]		NT	ND [200]	ND [200]	ND [200]	NT	ND [90]	ND [90]	ND [100]	ND [100]	ND [100]

Compound	Guidance Values[1]	Test Location and Sample Date																	
		VE 3-1	VE 4-11							DAY 1	Field Blank					Trip Blank	Equipment Blank		
		8/2/17	8/2/17	11/27/18	9/10/19	6/3/20	8/24/21	8/11/22	3/9/23	8/2/17	2017	2018	FB91119	FB6420	FB-082621	3/9/23	EB-082621	8/11/2022	3/9/23
Perfluoroheptanoic acid (PFHpA)	100	3.3	ND [0.81]	ND [2.0]	ND [10]	ND [4.3] J	ND [0.42]	ND [8.9]	ND [1.28]	5.4	ND [0.67]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [1.31]	ND [0.42]	ND [1.8]	ND [1.32]
Perfluorooctanoic acid (PFOA)	6.7	5.6	ND [0.75]	ND [2.0]	ND [10]	ND [1.7] J	1.4 JI	ND [1.8]	ND [0.758]	18	ND [0.62]	ND [2.0]	ND [10]	ND [1.8]	ND [0.42]	ND [0.777]	ND [0.42]	ND [1.8]	ND [0.778]
Perfluorononanoic acid (PFNA)	100	1.1 J	ND [0.66]	ND [2.0]	ND [10]	ND [4.3]	ND [0.42]	ND [1.8]	ND [0.939]	2.4	ND [0.54]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [0.962]	ND [0.42]	ND [1.8]	ND [0.963]
Perfluorodecanoic acid (PFDA)	100	ND [0.44]	ND [0.44]	ND [2.0]	ND [10]	ND [4.3]	ND [0.42]	ND [1.8]	ND [1.35]	ND [0.44]	ND [0.37]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [1.39]	ND [0.42]	ND [1.8]	ND [1.39]
Perfluoroundecanoic acid (PFUnA)	100	ND [0.75]	ND [0.75]	ND [2.0]	ND [10]	ND [4.3]	ND [0.42]	ND [1.8]	ND [2.04]	ND [0.75]	ND [0.62]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [2.09]	ND [0.42]	ND [1.8]	ND [2.09]
Perfluorododecanoic acid (PFDoA)	100	ND [0.75]	1.4 J	ND [2.0]	ND [10]	ND [4.3]	ND [0.42]	ND [1.8]	ND [1.59]	ND [0.58]	ND [0.49]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [1.63]	ND [0.42]	ND [1.8]	ND [1.63]
Perfluorotridecanoic acid (PFTriA)	100	ND [0.59]	ND [0.56]	ND [2.0]	ND [10]	ND [4.3]	ND [0.42]	ND [1.8] J	ND [1.34]	ND [0.55]	ND [0.46]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [1.37]	ND [0.42]	ND [1.8]	ND [1.37]
Perfluorotetradecanoic acid (PFTeA)	100	ND [0.55]	ND [0.20	ND [2.0]	ND [10]	ND [4.3]	ND [0.42]	ND [1.8] J	ND [1.25]	ND [0.20]	ND [0.17]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [1.28]	ND [0.42]	ND [1.8]	ND [1.28]
Perfluorohexanesulfonic acid (PFHxS)	100	2	39	ND [2.0]	10.5	6.8	8.2	9.4	4.32	5.0	ND [0.72]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [1.26]	ND [0.42]	ND [1.8]	ND [1.26]
Perfluoroheptanesulfonic acid (PFHpS)	100	ND [0.72]	ND [0.72]	ND [2.0]	ND [10]	ND [4.3]	ND [0.42]	ND [1.8]	ND [1.64]	ND [0.71]	ND [0.59]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [1.68]	ND [0.42]	ND [1.8]	ND [1.69]
Perfluorooctanesulfonic acid (PFOS)	2.7	14	7.2	4.2	ND [10]	5.2	6.1 I	6.6	ND [1.48]	16	ND [1.1]	ND [2.0]	ND [10]	ND [1.8]	ND [0.42]	ND [1.52]	ND [0.42]	ND [1.8]	ND [1.52]
Perfluorodecanesulfonic acid (PFDS)	100	ND [1.2]	ND [1.2]	ND [2.0]	ND [10]	ND[4.3]	ND [0.42]	ND [1.8]	ND [2.38]	ND [1.2]	ND [1.0]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [2.44]	ND [0.42]	ND [1.8]	ND [2.44]
Perfluorooctane Sulfonamide (FOSA)	100	ND [0.64]	ND [0.64]	ND [2.0]	ND [10]	ND [4.3]	0.71 J	ND [18] J	ND [1.59]	ND [0.64]	ND [0.53]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [1.63]	ND [0.42]	ND [3.6]	ND [1.63]
Perfluorobutanoic acid (PFBA)	100	2200 B Cl	ND [23]	ND [2.0]	ND [10]	ND [4.3]	13 F2 F1	ND [8.9]	ND [0.596]	2000 B Cl	ND [0.38]	ND [2.0]	ND [10]	ND [4.4]	ND [1.7]	ND [0.611]	ND [1.7]	ND [3.6]	ND [0.611]
Perfluoropentanoic acid (PFPeA)	100	ND [50]	ND [50]	ND [2.0]	ND [10]	ND [4.3]	120 *-	ND [8.9]	0.416 J	4600 Cl	ND [0.82]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [0.426]	ND [0.42]	ND [1.8]	ND [0.426]
Perfluorohexanoic acid (PFHxA)	100	ND [39]	ND [40]	5.7	ND [10]	ND [9.2] J	ND [0.42]	ND [8.9]	0.731 J	ND [39]	ND [0.65]	ND [2.0]	ND [10]	ND [9.2]	ND [0.42]	ND [0.648]	ND [0.42]	ND [1.8]	ND [0.648]
Perfluorobutanesulfonic acid (PFBS)	100	ND [46]	ND [46]	15	ND [10]	ND [4.3]	43 F2 I F1 *-	ND [8.9]	1.20 J	ND [46]	ND [0.76]	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [0.870]	ND [0.42]	ND [1.8]	ND [0.871]
6:2 Fluorotelomersulfonate (6:2 FTS)	100	NT	NT	ND [2.0]	ND [25]	ND [4.3] J	ND [1.7]	ND [7.1]	ND [1.91]	NT	NT	ND [2.0]	ND [25]	ND [4.4]	1.7 J B	ND [1.96]	2.0 J B	ND [7.1]	ND [1.96]
8:2 Fluorotelomersulfonate (8:2 FTS)	100	NT	NT	ND [2.0]	ND [10]	ND [4.3] J	ND [0.85]	ND [7.1]	ND [3.70]	NT	NT	ND [2.0]	ND [10]	ND [4.4]	ND [0.84]	ND [3.79]	ND [0.85]	ND [7.1]	ND [3.80]
NMeFOSAA	100	NT	NT	ND [2.0]	ND [10]	ND [4.3]	ND [0.51]	ND [3.6]	ND [1.43]	NT	NT	ND [2.0]	ND [10]	ND [4.4]	ND [0.51]	ND [1.46]	ND [0.51]	ND [3.6]	ND [1.46]
NEtFOSAA	100	NT	NT	ND [2.0]	ND [10]	ND [4.3] J	ND [0.42]	ND [3.6]	ND [1.86]	NT	NT	ND [2.0]	ND [10]	ND [4.4]	ND [0.42]	ND [1.91]	ND [0.42]	ND [3.6]	
PFOA & PFOS	NS	19.6	7.2	4.2	-	-	7.5	6.6	ND	34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum PFAS (not inc PFOA/PFOS)	NS	3.3	39	15	10.5	6.8	184.91	9.4	4.32	5.4	ND	ND	ND	1.7	1.7	ND	ND	ND	ND
Total PFAS	500	24.9	46.2	24.9	10.5	12	192.41		16	46.8	ND	ND	ND	1.7	1.7	ND	2.0	ND	ND
1,4-Dioxane	350	NT	NT	ND [200]	ND [200]	ND [90]	ND [100]	ND [100]	ND [100]	NT	ND [200]	NT	ND [90]	ND [100]	ND [100]		ND [100]		

Notes:

All results are in nanograms per liter (ng/L) or parts per trillion (ppt)

ND [Reporting Limit] = Not Detected at a concentration greater than the reporting limit shown in brackets

NT = Not Tested

J = Estimated Concentration

B = Compound was found in the blank and samples

Cl = The peak identified in the data system exhibited chromatographic interference that could not be resolved. There is reason to suspect there may be a high bias

[1] Per-and polyfluoroalkyl substances (PFAS) guidance values, as specified in the NYSDEC document titled *Sampling, Analysis, and Assessment of PFAS Under NYSDEC's Part 375 Remedial Programs* , dated January 2021

[2]Perfluorooctanoic acid (PFOA), Perfluorooctanesulfonic acid (PFOS), and 1,4-dioxane guidance values referenced in 2023 Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1

I = Value is EMPC (estimated maximum possible concentration)

F1 = MS and/or MSD exceeds control limits

F2 = MS/MSD RPD exceeds control limits

*- = LCS and/or LCSD is outside acceptance limits, low biased

Table 8
NYSDEC Site #360010
Harmon Yard Waste Water Area

Off-Site Monitoring Wells (OUII-A to OUII-F)
Depth to Static Water Levels and Range of Free Product Thickness

Date Range		OUII-A	OUII-B	OUII-C	OUII-D	OUII-E	OUII-F
October 4, 2016 - November 30, 2016	Depth to Static Water Level	4.58-5.04	4.36-5.04	4.58-5.18	4.40-4.97	4.55-5.05	2.87-5.09
	Range of Free Product Thickness (ft.)	0.7-3.0	1.3-3.2	0	1.9-3.0	0	0.0-1.3
	Average Free Product Thickness (ft.)	2.3	2.5	0	2.5	0	0.68
December 1, 2016 - February 28, 2017	Depth to Static Water Level	5.53-6.19	5.58-6.11	5.99-6.76	5.47-5.96	5.56-6.18	5.8-7.02
	Range of Free Product Thickness (ft.)	0.0-0.55	0.0-0.96	0	1.65-2.15	0	0-0.93
	Average Free Product Thickness (ft.)	0.36	0.39	0	1.8	0	0.29
March 1, 2017 - May 31, 2017	Depth to Static Water Level	5.56-6.86	5.46-6.89	5.53-7.45	5.3-6.77	5.57-6.89	5.27-8.05
	Range of Free Product Thickness (ft.)	0.0-0.94	0.08-1.97	0.0-1.24	0.0-1.84	0	0.0-0.28
	Average Free Product Thickness (ft.)	0.29	1.1	0.099	1.3	0	0.043
June 1, 2017 - July 31, 2017	Depth to Static Water Level	5.37-6.28	5.12-6.13	4.82-6.31	5.19-6.18	5.28-6.26	4.43-6.69
	Range of Free Product Thickness (ft.)	0.04-1.28	0.68-1.7	0	0.5-1.85	0	0-0.26
	Average Free Product Thickness (ft.)	1.3	1.7	0	1.9	0	0.26
September 1, 2017 - November 30, 2017	Depth to Static Water Level	9.36-9.82	9.28-9.84	9.18-9.59	9.57-9.93	9.44-9.82	7.19-7.82
	Range of Free Product Thickness (ft.)	0.67-2.01	1.39-2.36	0-1.82	1.78-2.24	0	0.40-2.78
	Average Free Product Thickness (ft.)	1.3	1.9	0.12	2.0	0	2.0
December 1, 2017 - February 28, 2018	Depth to Static Water Level	8.31-10.00	8.20-10.02	7.25-9.81	8.46-10.18	8.34-10.07	4.18-8.11
	Range of Free Product Thickness (ft.)	0-2.26	0-2.71	0	0.48-2.37	0	0.35-3.19
	Average Free Product Thickness (ft.)	1.1	1.9	0	1.8	0	1.9
March 1, 2018 - May 31, 2018	Depth to Static Water Level	7.75-8.54	7.77-9.11	6.85-8.09	7.97-8.76	7.92-8.52	3.87-5.61
	Range of Free Product Thickness (ft.)	0-0.59	0-1.36	0	0.02-1.88	0	0.01-0.24
	Average Free Product Thickness (ft.)	0.15	0.90	0	0.94	0	0.1
June 1, 2018 - August 31, 2018	Depth to Static Water Level	8.15-9.15	7.96-9.20	7.41-8.96	8.10-9.32	8.24-9.37	4.43-6.81
	Range of Free Product Thickness (ft.)	0-0.24	0.02-1.38	0	0.1-1.67	0	0-0.04
	Average Free Product Thickness (ft.)	0.084	1.0	0	1.1	0	0.009
September 1, 2018 - November 30, 2018	Depth to Static Water Level	7.18-8.63	7.31-8.56	6.56-8.09	7.12-8.81	7.62-8.69	3.29-5.91
	Range of Free Product Thickness (ft.)	0-0.26	0-1.75	0	0-1.37	0	0-0.03
	Average Free Product Thickness (ft.)	0.043	0.44	0	0.37	0	0.011
January 1, 2019 - May 31, 2019	Depth to Static Water Level	6.61-7.82	6.83-7.86	6.15-7.38	6.12-7.59	6.92-7.89	2.72-4.86
	Range of Free Product Thickness (ft.)	0-0.02	0.86-2.80	0	0-0.62	0	0
	Average Free Product Thickness (ft.)	0.009	1.6	0	0.10	0	0
June 1, 2019 - September 30, 2019	Depth to Static Water Level	6.97-8.95	7.08-8.93	8.50-8.62	6.58-9.01	7.26-9.03	3.45-6.78
	Range of Free Product Thickness (ft.)	0-0.12	0-1.86	0	0-1.27	0	0-0.01
	Average Free Product Thickness (ft.)	0.009	0.65	0	0.91	0	0.002
October 1, 2019 - December 31, 2019	Depth to Static Water Level	7.50-9.07	7.40-9.05	6.75-9.00	7.50-9.36	7.75-9.30	3.85-9.65
	Range of Free Product Thickness (ft.)	0-0.57	0-1.06	0	0.25-1.50	0	0-0.15
	Average Free Product Thickness (ft.)	0.21	0.3	0	0.81	0	0.03
January 1, 2020 - March 31, 2020	Depth to Static Water Level	6.96-8.30	7.25-8.18	6.86-9.35	7.09-8.36	7.71-8.35	3.96-5.46
	Range of Free Product Thickness (ft.)	0.07-1.38	0-0.48	0	0-0.7	0	0-0.24
	Average Free Product Thickness (ft.)	0.3	0.27	0	0.17	0	0.08
April 1, 2020 - June 30, 2020	Depth to Static Water Level	7.65-8.71	7.50-8.57	7.18-8.61	7.12-8.89	7.79-8.81	4.10-8.53
	Range of Free Product Thickness (ft.)	0-0.01	0.27-0.58	0-0.01	0-1.2	0	0.01-0.44
	Average Free Product Thickness (ft.)	0.004	0.40	0.001	0.35	0	0.20
July 1, 2020 - September 30, 2020	Depth to Static Water Level	8.72-9.24	8.56-9.11	8.49-9.17	8.86-9.42	8.95-9.43	6.70-7.29
	Range of Free Product Thickness (ft.)	0.04-1.05	0.24-0.96	0	0.05-1.56	0	0.01-0.60
	Average Free Product Thickness (ft.)	0.43	0.62	0	0.99	0	0.13
October 1, 2020 - December 31, 2020	Depth to Static Water Level	8.12-9.21	7.91-9.05	7.46-9.50	7.66-9.41	8.22-9.33	4.67-7.18
	Range of Free Product Thickness (ft.)	0-0.30	0-0.59	0	0-1.42	0	0.03-1.54
	Average Free Product Thickness (ft.)	0.086	0.14	0	0.34	0	0.70
January 1, 2021 - March 31, 2021	Depth to Static Water Level	7.45-8.40	7.33-8.64	7.08-8.49	6.69-8.65	7.78-8.52	4.03-6.04
	Range of Free Product Thickness (ft.)	0-.01	0-0.07	0-0.01	0-0.27	0	0.03-0.54
	Average Free Product Thickness (ft.)	0.001	0.01	0.00	0.05	0	0.28
April 1, 2021 - June 30, 2021	Depth to Static Water Level	7.91-8.78	7.67-8.63	7.32-8.50	7.12-8.70	8.15-8.91	4.27-6.02
	Range of Free Product Thickness (ft.)	0-.01	0.01-0.37	0	0-0.70	0	0.04-0.56
	Average Free Product Thickness (ft.)	0.001	0.15	0	0.099	0	0.31
July 1, 2021 - September 30, 2021	Depth to Static Water Level	7.78-9.34	7.85-9.16	7.45-9.25	7.85-9.43	7.89-9.38	4.42-9.61
	Range of Free Product Thickness (ft.)	0-0.63	0-1.05	0	0-1.43	0	0.01-0.49
	Average Free Product Thickness (ft.)	0.22	0.39	0	0.52	0	0.09
October 1, 2021 - December 31, 2021	Depth to Static Water Level	7.5-8.73	7.58-9.21	6.99-8.21	7.02-9.86	7.53-8.55	4.41-6.16
	Range of Free Product Thickness (ft.)	0-0.2	0-0.81	0	0.01-1.25	0	0-0.01
	Average Free Product Thickness (ft.)	0.006	0.17	0	0.37	0	0.008
January 1, 2022 - March 31, 2022	Depth to Static Water Level	7.58-8.60	7.14-8.42	7.04-8.49	6.74-8.65	7.81-8.45	4.32-5.70
	Range of Free Product Thickness (ft.)	0-0.01	0.04-0.88	0	0-0.13	0	0-0.01
	Average Free Product Thickness (ft.)	0.008	0.33	0	0.022	0	0.0008
April 1, 2022 - June 30, 2022	Depth to Static Water Level	6.78-8.45	6.95-825	6.34-7.89	6.39-8.45	7.13-8.18	3.38-5.74
	Range of Free Product Thickness (ft.)	0-0.03	0-0.4	0	0-0.17	0	0-0.01
	Average Free Product Thickness (ft.)	0.005	0.12	0	0.035	0	0.0008
July 1, 2022 - September 30, 2022	Depth to Static Water Level	8.19-9.14	8.13-9.42	8.01-9.19	8.05-9.75	8.22-9.41	6.00-7.74
	Range of Free Product Thickness (ft.)	0-0.29	0.01-0.91	0	0.01-1.80	0	0-0.30
	Average Free Product Thickness (ft.)	0.08	0.25	0	0.75	0	0.04
October 1, 2022 - December 31, 2022	Depth to Static Water Level	8.38-9.47	8.00-9.42	7.61-9.42	8.33-9.35	8.43-9.60	4.42-7.44
	Range of Free Product Thickness (ft.)	0-1.34	0-1.37	0	0.01-2.02	0	0.01-2.00
	Average Free Product Thickness (ft.)	0.43	0.55	0	1.07	0	0.77
January 1, 2023 - March 31, 2023	Depth to Static Water Level	7.56-8.68	7.23-8.50	6.51-8.49	7.57-8.59	7.92-8.81	3.56-6.06
	Range of Free Product Thickness (ft.)	0-0.27	0-0.10	0-0.03	0.27-2.02	0-0.07	0-0.29
	Average Free Product Thickness (ft.)	0.033	0.02	0	0.83	0.007	0.04
April 1, 2023 - June 30, 2023	Depth to Static Water Level	7.81-9.13	7.89-9.52	7.46-8.92	8.87-10.93	8.16-9.31	4.44-6.52
	Range of Free Product Thickness (ft.)	0-0.13	0.01-0.72	0-0.01	0.18-1.64	0-0.01	0-0.17
	Average Free Product Thickness (ft.)	0.02	0.35	0.001	0.93	0.001	0.04
July 1, 2023 - September 30, 2023	Depth to Static Water Level	8.01-9.02	7.62-8.78	7.31-8.80	8.02-10.14	8.21-9.25	4.62-6.48
	Range of Free Product Thickness (ft.)	0-0.21	0-0.67	0	0.20-1.67	0-0.01	0-0.04
	Average Free Product Thickness (ft.)	0.03	0.095	0.000	0.97	0.0008	0.013
October 1, 2023 - December 31, 2023	Depth to Static Water Level	6.72-8.15	6.60-7.91	5.91-8.49	7.29-8.16	7.43-8.15	2.89-5.11
	Range of Free Product Thickness (ft.)	0-0.19	0.01-0.24	0	0.32-1.90	0-0.12	0-0.02
	Average Free Product Thickness (ft.)	0.12	0.072	0	1.29	0.011	0.006

Note:
Depth to Static Water Level in feet above mean sea level corrected for the presence of Free Product based on the following relationship:
Corrected SWL (ft. bgs) = Measured SWL (ft. bgs) – 0.85 x Measured Free Product Thickness (ft.)

FIGURES

NOTES:

1. This drawing was prepared from a CAD base file provides by others, from a drawing by ERM, entitled "EXISTING SITE PLAN AND SURVEY CONTROL" sheet No. C-1 dated 7/31/00 and from a drawing by ERM, "SITE PLAN WITH LOCATIONS OF PROPOSED WELLS AND SHEET PILING", sheet No. C-2, dated 7/31/00.
2. Operable Unit II (OU-II) remedy well locations were determined from coordinate values listed on the ERM drawings identified in note No. 1.

N

LEGEND:

- AI1-12 (4.21 ft) — Former Vapor Extraction (VE), Air Inlet (AI), Forced Air Injection (FA), or existing monitoring well and designation
- Groundwater elevation for water level measurement made October 2023
- Off-site monitoring well installed September 2016
- Monitoring wells near the southern terminus of the sheet pile wall in NAPL Area L1
- 5.0 — Groundwater contour
- Apparent groundwater flow direction
- OU-II NAPL area boundaries
- Approximate location of sheet pile wall around remediated former lagoon area (OU-I)
- Approximate location of L1 sheet pile wall
- Extent of OU-I final cover system
- OU-II Boundary

0 40 80 160 Feet

PROJECT MANAGER	RLK
DRAWN BY	CPS
SCALE	As Noted
DATE	01-2024
DATE DRAWN	01-2024
DATE ISSUED	01-04-2024

DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK 14606

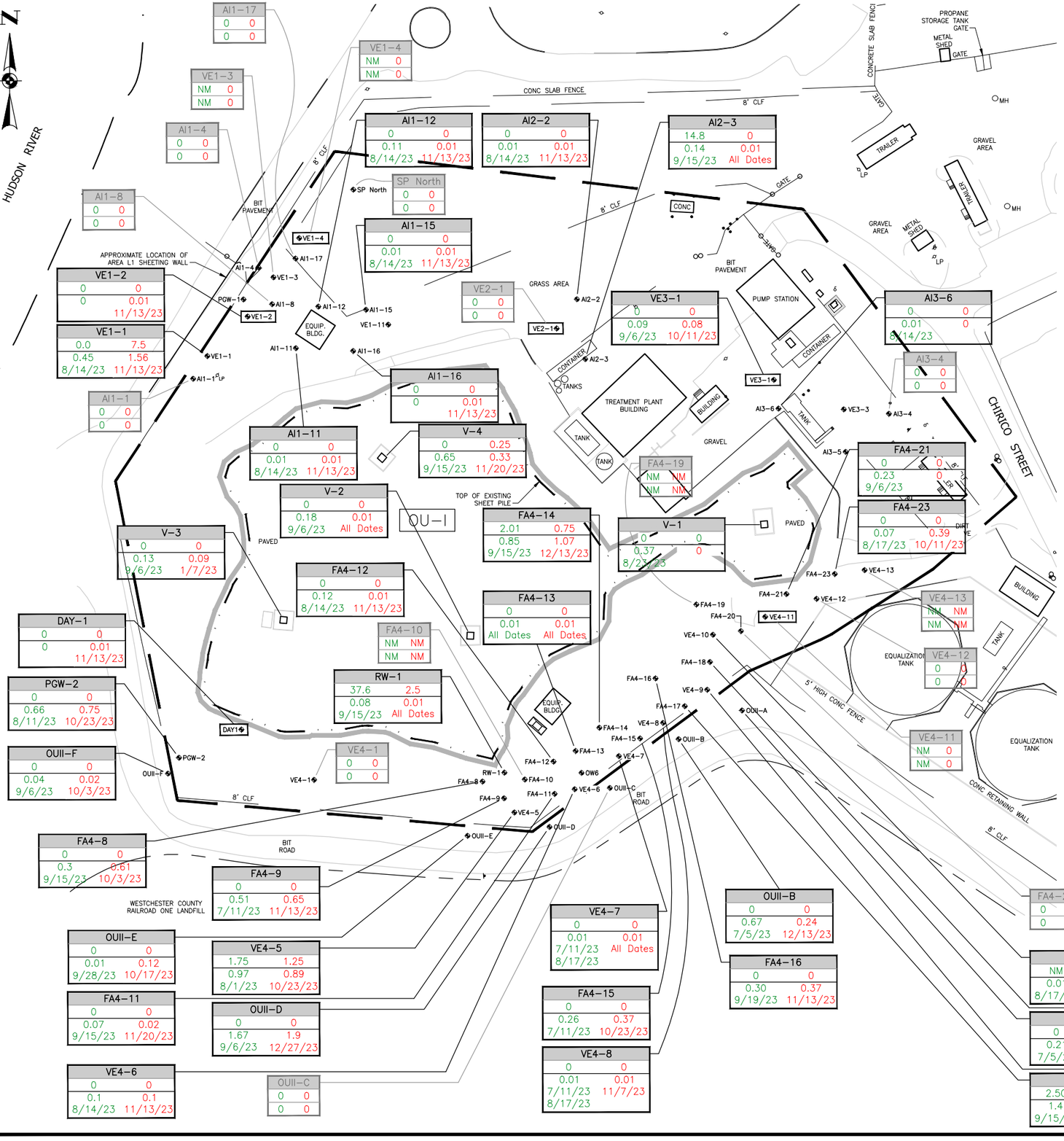
Project Title
METRO-NORTH RAIL ROAD
HARMON YARD OPERABLE UNITS OU-I AND OU-II
CROTON-ON-HUDSON, NEW YORK

PERIODIC REVIEW REPORT

Drawing Title
Groundwater Contour Map: October 2023

Project No.
23-3690M

FIGURE 1



SITE PLAN
1" = 80'

0' 80' 160' 240'

NOTES:

1. This drawing was prepared from a CAD base file provided by others, from a drawing by ERM, entitled "EXISTING SITE PLAN AND SURVEY CONROL" sheet No. C-1 dated 7/31/00 and from a drawing by ERM, "SITE PLAN WITH LOCATIONS OF PROPOSED WELLS AND SHEET PILING", sheet No. C-2, dated 7/31/00.
2. Operable Unit II (OU-II) remedy well locations were determined from coordinate values listed on the ERM drawings identified in note No. 1, or by reference to site features (e.g., DAY-1, RW-1, etc...)
3. Free Product is removed from RW-1, AI2-3, FA4-8 and FA4-17 using a Spill Buster product removal pump and placed within 55-gallon drums.

LEGEND:

- VE1-3 — Former Vapor Extraction (VE), Air Inlet (AI), Forced Air Injection (FA), Existing Monitoring Well Or Product Recovery Well (RW) and Designation
- VE1-2 — Long-Term Monitoring Well
- Approximate Location Of Sheet Pile Wall Around Remediated Former Lagoon Area (OU-I)
- Extent Of OU-I Final Cover System
- OU-II Boundary
- V-1 — OU-I Contingency Vapor Extraction System Wells
- FA4-14 / 2.01 0.75 / 0.85 1.07 / 9/15/23 12/13/23
  - Long-Term Monitoring Well Identification
  - Free Product Removed (Gallons) During Report Period
  - Maximum Free Product Thickness (Feet) Measured During Report Period With Date Of Measurement

Measurements Made During The Report Period July 1, 2023 Through September 30, 2023 Shown In Green (Left)

Measurements Made During The Report Period October 1, 2023 Through December 31, 2023 Shown In Red (Right)

NM — Well Not Measured

ND — Not Detected

PROJECT MANAGER	HMM
DRAWN BY	RJM/CPS/TW
SCALE	As Noted
DATE	1/2024
DATE DRAWN	1/5/2024
DATE ISSUED	1/5/2024

day
DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

PROJECT TITLE
METRO-NORTH RAILROAD
HARMON YARD OPERABLE UNITS OU-I AND OU-II
CROTON-ON-HUDSON, NEW YORK
NYSDEC SITE #360010

DRAWING TITLE
Summary Of Free Product Removal For The Report Periods July - September 2023 and October - December 2023

PROJECT NO.
23-3690M

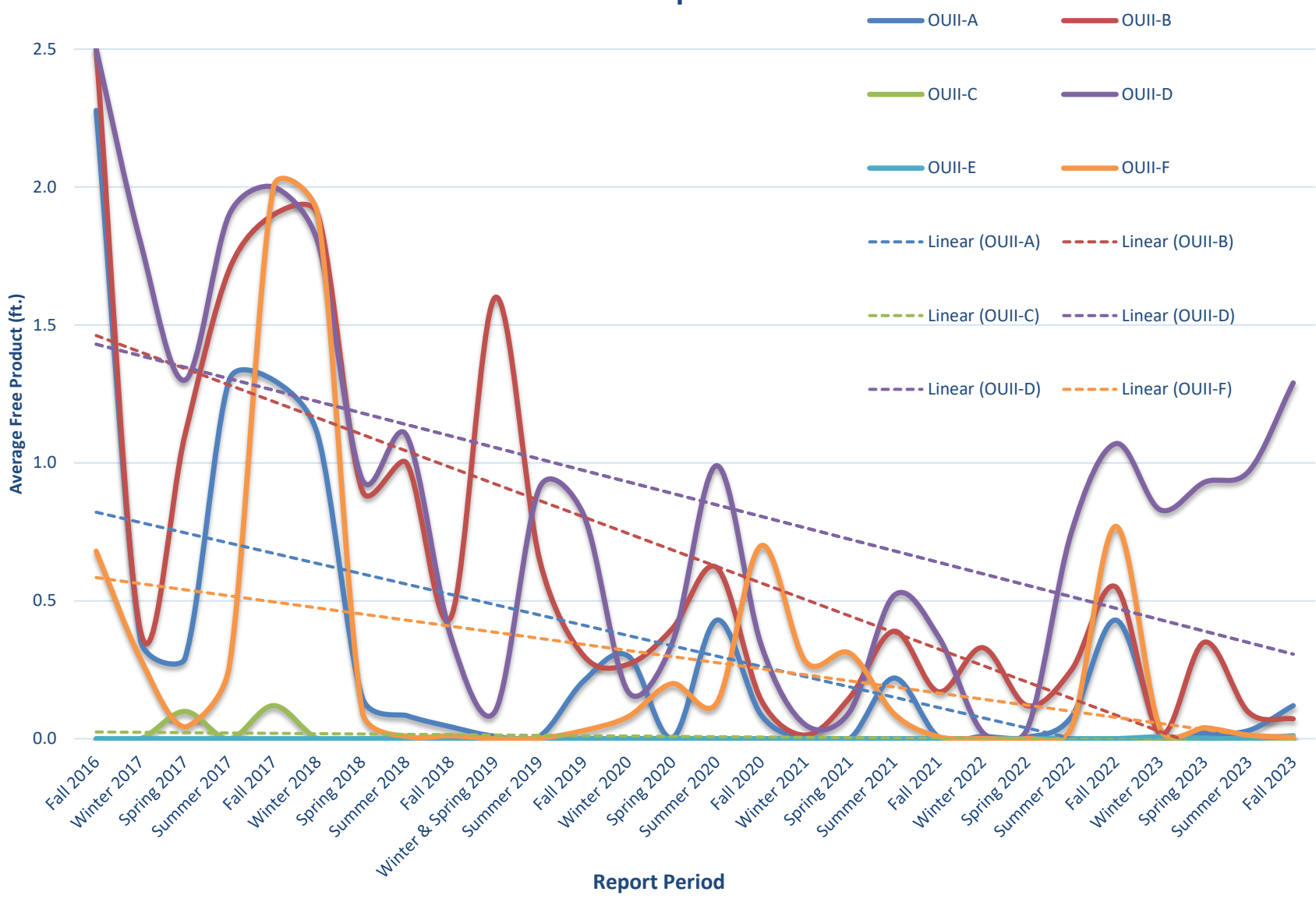
FIGURE 2

Ref1:
Ref2:
Ref3:

Xerox432AnsiB-2; 11 x 17
Layout Name: Layout1
Pen Setting File: 800psHalfcolorBeacon.ctb

Time Plotted: Friday, January 5, 2024 9:08:45 AM
File Name: P:\Drawings\Metro\Harmon\Remediation-46\NAPL Wells Period Oct-Dec 2023.dwg

Figure 3: Average Thickness and Trendline of Free Product in Off-Site Wells by Report Period



ATTACHMENT A

Well Monitoring Logs and Free Product Removal Records
October 1, 2023 through December 31, 2023

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: P1 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	13.07	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: P2 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	12.62	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: P3 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	13.35	13.36	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: P4 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	12.95	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: P5 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	3.6	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: P6 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
Not measured					

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: P7 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	12.85	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: P8 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	12.62	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: P9 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	12.8	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: P10 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	12.62	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: V-1 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/11/2023	-	15.6	0	0	
11/7/2023	-	15.54	0	0	
12/13/2023	-	15.71	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: V-2 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/11/2023	16.02	16.03	0.01	0	
11/7/2023	16.32	16.33	0.01	0	
12/13/2023	16.72	16.73	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: V-3 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/11/2023	15.68	15.69	0.01	0	
11/7/2023	15.95	16.04	0.09	0	
12/13/2023	16.38	16.39	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: V-4 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	14.88	14.96	0.08	0	
10/11/2023	14.85	14.94	0.09	0.25	
10/17/2023	14.98	15.15	0.17	0	
10/23/2023	15.05	15.25	0.2	0	
11/7/2023	15.15	15.36	0.21	0	
11/13/2023	15.41	15.59	0.18	0	
11/20/2023	15.59	15.92	0.33	0	
11/28/2023	15.5	15.81	0.31	0	
12/8/2023	15.61	15.82	0.21	0	
12/13/2023	15.55	15.88	0.33	0	
12/20/2023	14.99	15.21	0.22	0	
12/27/2023	14.82	14.99	0.17	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI1-1 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	10.62	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI1-4 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	9.61	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI1-8 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	12.74	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI1-11 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	13.21	13.22	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI1-12 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	16.35	16.36	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI1-15 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	17.95	17.96	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI1-16 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	13.31	13.32	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI1-17 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	11.46	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: SP-North Diameter: 1 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	-	8.9	0	0	
10/11/2023	-	8.45	0	0	
10/17/2023	-	8.44	0	0	
10/23/2023	-	8.51	0	0	
11/7/2023	-	8.54	0	0	
11/13/2023	-	8.91	0	0	
11/20/2023	-	9.01	0	0	
11/28/2023	-	9	0	0	
12/8/2023	-	8.99	0	0	
12/13/2023	-	8.91	0	0	
12/20/2023	-	8.06	0	0	
12/27/2023	-	8	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE-1-1 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	7.83	9.39	1.56	1.875	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE-1-2 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	8.7	8.71	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE-1-3 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	7.95	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE-1-4 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	9.45	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: WB-9 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	8.2	8.21	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI2-2 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	14.42	14.43	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI2-3 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments***
10/3/2023	14.45	14.46	0.01	0	Drum-0.38
10/11/2023	14.41	14.42	0.01	0	Drum-0.39
10/17/2023	14.62	14.63	0.01	0	Drum-0.45
10/23/2023	14.63	14.64	0.01	0	Drum-0.46
11/7/2023	14.66	14.67	0.01	0	drum 2.74
11/13/2023	14.71	14.72	0.01	0	
11/20/2023	15.01	15.02	0.01	0	drum 0.54
11/28/2023	14.81	14.82	0.01	0	top of oil (drum) 2.64
12/8/2023	14.81	14.82	0.01	0	drum 0.56
12/13/2023	14.72	14.73	0.01	0	drum 0.67
12/20/2023	14.34	14.35	0.01	0	drum 0.85
12/27/2023	14.25	14.26	0.01	0	drum 0.9

*Measured height of Free Product accumulated in drum. Height of drum is assumed to be 2.65 ft and equal to approximately 55 gallons. Comment on 9/28/2023 stated '0.39 ft'. Approximately 65.8 gallons of free product recovered during report period.

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE2-1 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	10.59	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI3-4 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	13.31	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI3-5 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
Not measured					

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: AI3-6 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	16.05	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE3-1 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/11/2023	10.31	10.39	0.08	0	
11/7/2023	10.52	10.58	0.06	0	
12/13/2023	10.55	10.56	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: DAY-1 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	15.32	15.33	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-8 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments***
10/3/2023	14.84	15.45	0.61	0	Drum-0.59
10/11/2023	15.42	15.43	0.01	0	Drum-0.62
10/17/2023	15.7	15.71	0.01	0	Drum-0.65
10/23/2023	15.55	15.56	0.01	0	Drum-0.61
11/7/2023	15.71	15.72	0.01	0	
11/13/2023	16.9	16.91	0.01	0	
11/20/2023	16.1	16.12	0.02	0	
11/25/2023	16.01	16.02	0.01	0	
11/28/2023	16.01	16.02	0.01	0	
12/8/2023	15.58	15.69	0.11	0	
12/13/2023	15.49	15.75	0.26	0	
12/20/2023	13.61	13.85	0.24	0	
12/27/2023	13.55	13.85	0.3	0	

*Measured height of Free Product accumulated in drum. Height of drum is assumed to be 2.65 ft and equal to approximately 55 gallons. Comment on 9/28/2023 stated 'drum 0.59 ft'. Free product not removed from well FA4-8 in report period.

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-9 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	6.95	7.6	0.65	0	
12/13/2023	5.86	6.01	0.15	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-10 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
Not measured					

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-11 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	10.03	10.04	0.01	0	
10/11/2023	10.14	10.15	0.01	0	
10/17/2023	10.49	10.5	0.01	0	
10/23/2023	10.13	10.14	0.01	0	
11/7/2023	10.33	10.34	0.01	0	
11/13/2023	10.55	10.56	0.01	0	
11/20/2023	11.00	11.02	0.02	0	
11/28/2023	10.95	10.96	0.01	0	
12/8/2023	10.21	10.22	0.01	0	
12/13/2023	9.92	9.93	0.01	0	
12/20/2023	9.45	9.46	0.01	0	
12/27/2023	9.41	9.42	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-12 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	13.65	13.66	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-13R Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	9.52	9.53	0.01	0	
10/11/2023	9.61	9.62	0.01	0	
10/17/2023	9.92	9.93	0.01	0	
10/23/2023	9.51	9.52	0.01	0	
11/7/2023	9.73	9.74	0.01	0	
11/13/2023	9.90	9.91	0.01	0	
11/20/2023	10.31	10.32	0.01	0	
11/28/2023	13.00	13.01	0.01	0	
12/8/2023	9.69	9.70	0.01	0	
12/13/2023	9.38	9.39	0.01	0	
12/20/2023	8.82	8.83	0.01	0	
12/27/2023	8.62	8.63	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-14 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	12.25	12.49	0.24	0	
10/11/2023	12.23	12.62	0.39	0	
10/17/2023	12.50	12.95	0.45	0	
10/23/2023	12.23	13.11	0.88	0.75	
11/7/2023	12.45	12.66	0.21	0	
11/13/2023	13.78	13.93	0.15	0	
11/20/2023	12.89	13.28	0.39	0	
11/28/2023	12.81	13.20	0.39	0	
12/8/2023	12.44	12.78	0.34	0	
12/13/2023	12.11	13.18	1.07	0	
12/20/2023	11.85	11.86	0.01	0	
12/27/2023	11.80	11.81	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-15R Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	9.11	9.29	0.18	0	
10/11/2023	9.15	9.36	0.21	0	
10/17/2023	9.48	9.75	0.27	0	
10/23/2023	9.18	9.55	0.37	0	
11/7/2023	9.41	9.74	0.33	0	
11/13/2023	9.55	9.91	0.36	0	
11/20/2023	9.92	10.01	0.09	0	
11/28/2023	9.9	10.01	0.11	0	
12/8/2023	9.31	9.64	0.33	0	
12/13/2023	8.97	9.11	0.14	0	
12/20/2023	8.56	8.57	0.01	0	
12/27/2023	8.42	8.43	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-16 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	13.42	13.59	0.17	0	
10/11/2023	13.31	13.52	0.21	0	
10/17/2023	13.65	13.85	0.2	0	
10/23/2023	13.39	13.68	0.29	0	
11/7/2023	13.48	13.76	0.28	0	
11/13/2023	12.68	13.05	0.37	0	
11/20/2023	13.88	14.11	0.23	0	
11/28/2023	13.62	13.85	0.23	0	
12/8/2023	13.51	13.74	0.23	0	
12/13/2023	13.28	13.48	0.2	0	
12/20/2023	12.76	12.81	0.05	0	
12/27/2023	12.66	12.72	0.06	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-17R Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	10.46	10.72	0.26	0	
10/11/2023	9.38	9.55	0.17	0	
10/17/2023	9.61	10.05	0.44	0	
10/23/2023	9.33	10.39	1.06	1.25	
11/7/2023	9.61	9.89	0.28	0	
11/13/2023	9.85	10.2	0.35	0	
11/20/2023	10.05	10.5	0.45	0	
11/28/2023	10.01	10.48	0.47	0	
12/8/2023	9.66	10.03	0.37	0	
12/13/2023	9.25	10.21	0.96	0	
12/20/2023	8.69	9.11	0.42	0	
12/27/2023	8.52	8.9	0.38	0	

Spill Buster™formerly located in well, removed in 2020. No comments during current report period re. installation of Spill Buster or drum measurements.

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-18 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	11.88	11.89	0.01	0	
10/11/2023	11.93	11.96	0.03	0	
10/17/2023	12.09	12.44	0.35	0	
10/23/2023	11.91	11.96	0.05	0	
11/7/2023	12.01	12.25	0.24	0	
11/13/2023	12.23	12.6	0.37	0	
11/20/2023	12.45	12.85	0.40	0	
11/28/2023	12.50	12.88	0.38	0	
12/8/2023	12.08	12.09	0.01	0	
12/13/2023	11.84	11.85	0.01	0	
12/20/2023	11.41	11.49	0.08	0	
12/27/2023	11.38	11.39	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-19 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
Not measured					

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-20 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	12.11	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-21 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/11/2023	12.63	12.89	0.26	0	
11/7/2023	12.78	12.85	0.07	0	
12/13/2023	12.78	12.95	0.17	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: FA4-23 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/11/2023	12.05	12.44	0.39	0	
11/7/2023	12.22	12.54	0.32	0	
12/13/2023	12.18	12.26	0.08	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: PGW-2 Diameter: 2 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	4.71	5.02	0.31	0	
10/11/2023	5.02	5.15	0.13	0	
10/17/2023	4.72	5.00	0.28	0	
10/23/2023	4.88	5.63	0.75	0	
11/7/2023	5.55	5.81	0.26	0	
11/13/2023	5.84	6.22	0.38	0	
11/20/2023	6.00	6.41	0.41	0	
11/28/2023	5.88	6.5	0.62	0	
12/8/2023	5.08	5.11	0.03	0	
12/13/2023	4.53	4.88	0.35	0	
12/20/2023	4.02	4.19	0.17	0	
12/27/2023	3.89	4.11	0.22	0	

Metro-North Railroad Free Product Recovery Report

Metro-North Yard: Harmon (OU I) Well ID: RW-1 Diameter: 6 in.

Date	Depth to Free Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Free Product Recovered (gal)	Comments*
10/3/2023	13.83	13.84	0.01	0	Drum-1.19
10/11/2023	13.77	13.78	0.01	0	Drum-1.19
10/17/2023	14.01	14.02	0.01	0	Drum-1.20
10/23/2023	13.85	13.86	0.01	0	Drum-1.20
10/27/2023	15.28	15.29	0.01	0	
11/7/2023	13.98	13.99	0.01	0	drum 1.19
11/13/2023	14.15	14.16	0.01	0	drum 1.19
11/20/2023	14.48	14.49	0.01	0	drum 1.28
11/28/2023	15	15.01	0.01	0	top of oil (drum) 1.90
12/8/2023	13.95	13.96	0.01	0	drum 1.32
12/13/2023	13.71	13.72	0.01	0	drum 1.32
12/20/2023	13.46	13.47	0.01	0	drum 1.32
12/27/2023	13.4	13.41	0.01	0	drum 1.32

*Measured height of Free Product accumulated in drum. Height of drum is assumed to be approximately 2.65 ft and equal to approximately 55 gallons. Comment on 9/28/2023 stated 'drum 1.2 ft'. Approximately 2.5 gallons of ree product removed from well RW-1 in report period.

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE4-1 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	7.28	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE4-5 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/11/2023	8.6	8.98	0.38	0	
10/17/2023	8.8	9.25	0.45	0	
10/23/2023	8.65	9.54	0.89	1.25	
11/7/2023	8.86	8.89	0.03	0	
11/13/2023	9.01	9.18	0.17	0	
11/20/2023	9.35	9.67	0.32	0	
11/28/2023	9.22	9.51	0.29	0	
12/8/2023	8.77	8.89	0.12	0	
12/13/2023	8.61	8.62	0.01	0	
12/20/2023	8.35	8.58	0.23	0	
12/27/2023	8.28	8.5	0.22	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE4-6 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	6.90	6.91	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE4-7 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/11/2023	6.58	6.59	0.01	0	
11/7/2023	6.87	6.88	0.01	0	
12/13/2023	6.55	6.56	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE4-8 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/11/2023	-	6.75	0	0	
11/7/2023	7.02	7.03	0.01	0	
12/13/2023	-	6.38	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE4-9 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/11/2023	7.36	7.37	0.01	0	
11/7/2023	7.51	7.52	0.01	0	
12/13/2023	6.91	6.92	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE4-10 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	11.6	11.78	0.18	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE4-11 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE4-12 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
11/13/2023	-	13.15	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I) Well ID: VE4-13 Diameter: 4 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
Not measured					

OFF-SITE WELLS

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU II) Well ID: OUII-A Diameter: 1 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	7.56	7.57	0.01	0	
10/11/2023	-	7.55	0	0	
10/17/2023	7.50	7.62	0.12	0	
10/23/2023	-	7.49	0	0	
11/7/2023	-	7.25	0	0	
11/13/2023	8.10	8.11	0.01	0	
11/20/2023	8.15	8.16	0.01	0	
11/28/2023	8.00	8.01	0.01	0	
12/8/2023	7.80	7.85	0.05	0	
12/13/2023	-	7.91	0	0	
12/20/2023	6.81	6.82	0.01	0	
12/27/2023	6.72	6.73	0.01	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU II) Well ID: OUII-B Diameter: 1 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	7.50	7.51	0.01	0	
10/11/2023	7.40	7.41	0.01	0	
10/17/2023	7.45	7.50	0.05	0	
10/23/2023	7.13	7.14	0.01	0	
11/7/2023	6.95	6.96	0.01	0	
11/13/2023	7.65	7.72	0.07	0	
11/20/2023	7.82	7.90	0.08	0	
11/28/2023	7.90	7.99	0.09	0	
12/8/2023	7.55	7.65	0.10	0	
12/13/2023	7.00	7.24	0.24	0	
12/20/2023	6.62	6.71	0.09	0	
12/27/2023	6.58	6.68	0.10	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU II) Well ID: OUII-C Diameter: 1 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	-	6.90	0	0	
10/11/2023	-	7.16	0	0	
10/17/2023	-	6.85	0	0	
10/23/2023	-	6.59	0	0	
11/7/2023	-	6.65	0	0	
11/13/2023	-	7.40	0	0	
11/20/2023	-	7.49	0	0	
11/28/2023	-	7.35	0	0	
12/8/2023	-	7.20	0	0	
12/13/2023	-	6.65	0	0	
12/20/2023	-	5.91	0	0	
12/27/2023	-	5.82	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU II) Well ID: OUII-D Diameter: 1 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	7.40	8.61	1.21	0	
10/11/2023	7.41	8.65	1.24	0	
10/17/2023	7.42	8.51	1.09	0	
10/23/2023	7.45	8.46	1.01	0	
11/7/2023	7.50	7.82	0.32	0	
11/13/2023	7.81	9.20	1.39	0	
11/20/2023	7.95	9.35	1.40	0	
11/28/2023	7.86	9.00	1.14	0	
12/8/2023	7.89	9.55	1.66	0	
12/13/2023	7.71	9.01	1.30	0	
12/20/2023	7.05	8.92	1.87	0	
12/27/2023	7.00	8.90	1.90	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU II) Well ID: OUII-E Diameter: 1 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	7.55	7.56	0.01	0	
10/11/2023	-	7.75	0	0	
10/17/2023	7.41	7.53	0.12	0	
10/23/2023	-	7.52	0	0	
11/7/2023	-	8.00	0	0	
11/13/2023	-	7.79	0	0	
11/20/2023	-	7.82	0	0	
11/28/2023	-	7.54	0	0	
12/8/2023	-	8.01	0	0	
12/13/2023	-	7.44	0	0	
12/20/2023	-	8.13	0	0	
12/27/2023	-	8.15	0	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU II) Well ID: OUII-F Diameter: 1 in.					
Date	**Depth to Free Product (ft)**	**Depth to Water (ft)**	**Free Product Thickness (ft)**	**Free Product Recovered (gal)**	**Comments**
10/3/2023	3.63	3.65	0.02	0	
10/11/2023	4.10	4.11	0.01	0	
10/17/2023	3.60	3.62	0.02	0	
10/23/2023	3.87	3.88	0.01	0	
11/7/2023	3.92	3.93	0.01	0	
11/13/2023	-	5.00	0.00	0	
11/20/2023	-	5.11	0.00	0	
11/28/2023	-	5.01	0.00	0	
12/8/2023	-	4.45	0.00	0	
12/13/2023	-	3.49	0.00	0	
12/20/2023	-	2.89	0.00	0	
12/27/2023	-	3.01	0.00	0	

ATTACHMENT B:

Drum Disposal Manifest

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NYD 084 006 477	2	(908) 354-0210	106900-NH-2

GENERATOR

5. Generator's Name and Mailing Address MTA - METRO NORTH RAILROAD
525 NORTH BROADWAY
WHITE PLAINS, NY 10603
Generator's Phone: (929) 695-0884

Generator's Site Address (if different than mailing address)
HARMON YARD, 100 CROTON HARMON YAF
CROTON ON HUDSON, NY 10520

6. Transporter 1 Company Name: ACV Environmental Services, Inc — U.S. EPA ID Number: NJD 003 812 047

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address CYCLE CHEM, INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD 002 200 046

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non DOT/Non-RCRA Solid (Oily Solids)	~~006~~ XX5	DM	3500	P
2. Non DOT/ Non RCRA Regulated Material, (Grease)	003	DM	75	P
3. Non DOT/Non-RCRA Liquid (Misc OUII Oil)	004	DF	1200	~~G~~ P
4. Non DOT/Non RCRA Material (TRANSFORMERS)	001	CF	15	P

13. Special Handling Instructions and Additional Information
1. 221604 / (48) OILY SOLIDS 2. 978537-LS / Grease (NH-22) 3. 220041 / (70) OUII OIL RECOVERY 4. 231843 / NON PCB TRANSFORMERS
[W:74.87.106900]
DRUM #018462
PLATE # NT. ATTACH.

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Nick Marrone on behalf of MNR — Signature: X [signature] — Month 10 Day 12 Year 23

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Travis Dom — Signature: [signature] — Month 10 Day 12 Year 23
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name — Signature — Month Day Year

NON-HAZARDOUS WASTE MANIFEST (Continuation Sheet)	19. Generator ID Number	20. Page	21. Waste Tracking Number
	NYD 084 006 477	2	106900-NH-2

22. Generator's Name

MTA - METRO NORTH RAILROAD

23. Transporter 1 Company Name: A&V ENVIRONMENTAL INC — U.S. EPA ID Number: NJD003512647

24. Transporter ____ Company Name: — U.S. EPA ID Number:

	25. Waste Shipping Name and Description	26. Containers No.	26. Containers Type	27. Total Quantity	28. Unit Wt./Vol.	
	005 Non DOT/Non RCRA Material (TRANSFORMERS)	001	~~DW~~ DF	50	P	
	006 Non DOT/Non-RCRA Solid (Non -PCB Capacitors)	001	CF	200	P	

GENERATOR

29. Special Handling Instructions and Additional Information

5. 231843 / NON PCB TRANSFORMERS 6. 245553 / (16) NON-PCB CAPACITORS

DECAL # 613162

TRANSPORTER

30. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
TRAVIS DOMA	T. V	10	17	23

31. Transporter ____ Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

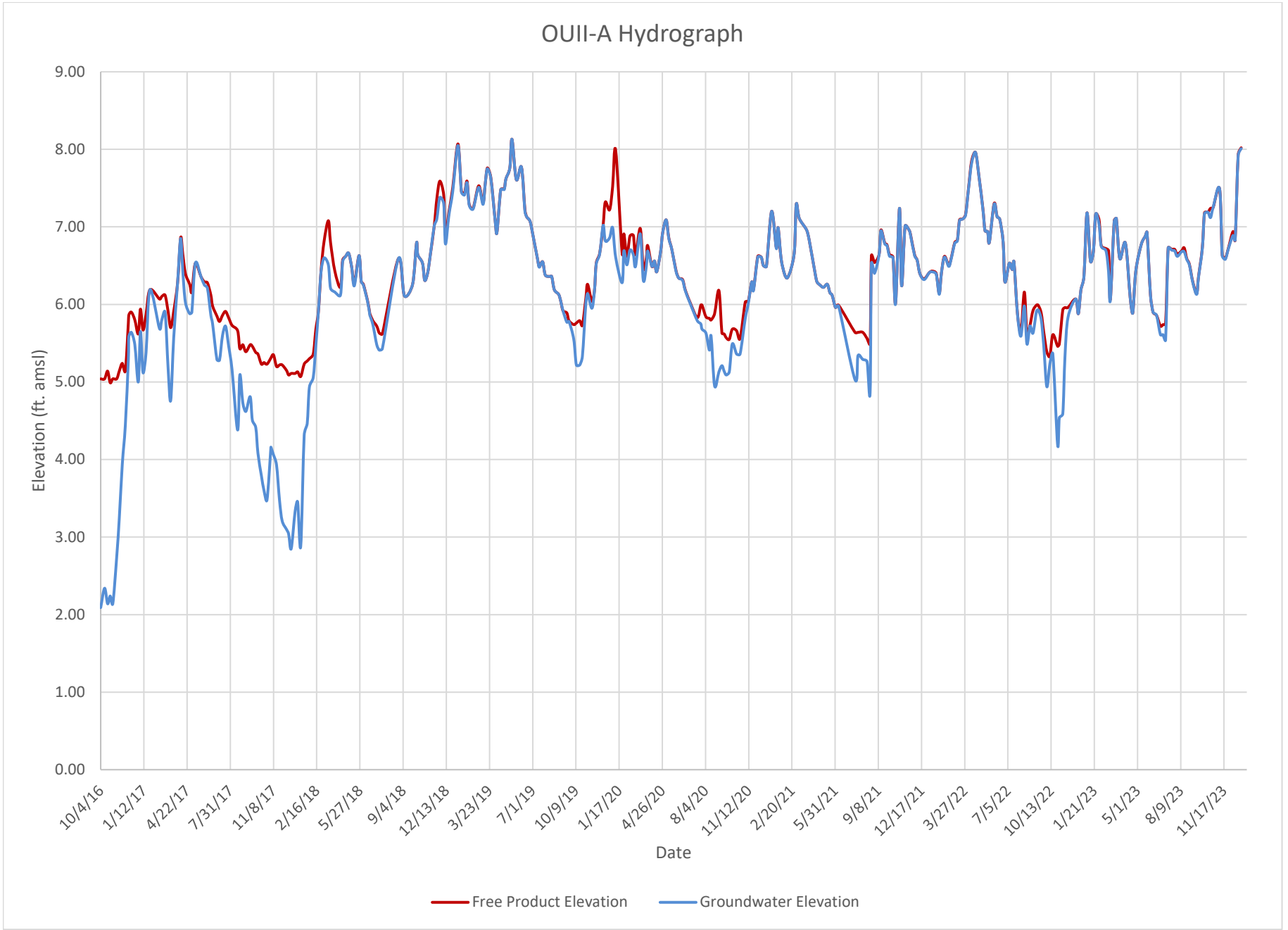
32. Discrepancy

170-BLC-O 5 11978 (Rev. 8/06)

GENERATOR'S/SHIPPER'S INITIAL COPY

ATTACHMENT C

Off-Site Monitoring Well Hydrographs


OUII-A Hydrograph
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8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Elevation (ft. amsl)
10/4/16
1/12/17
4/22/17
7/31/17
11/8/17
2/16/18
5/27/18
9/4/18
12/13/18
3/23/19
7/1/19
10/9/19
1/17/20
4/26/20
8/4/20
11/12/20
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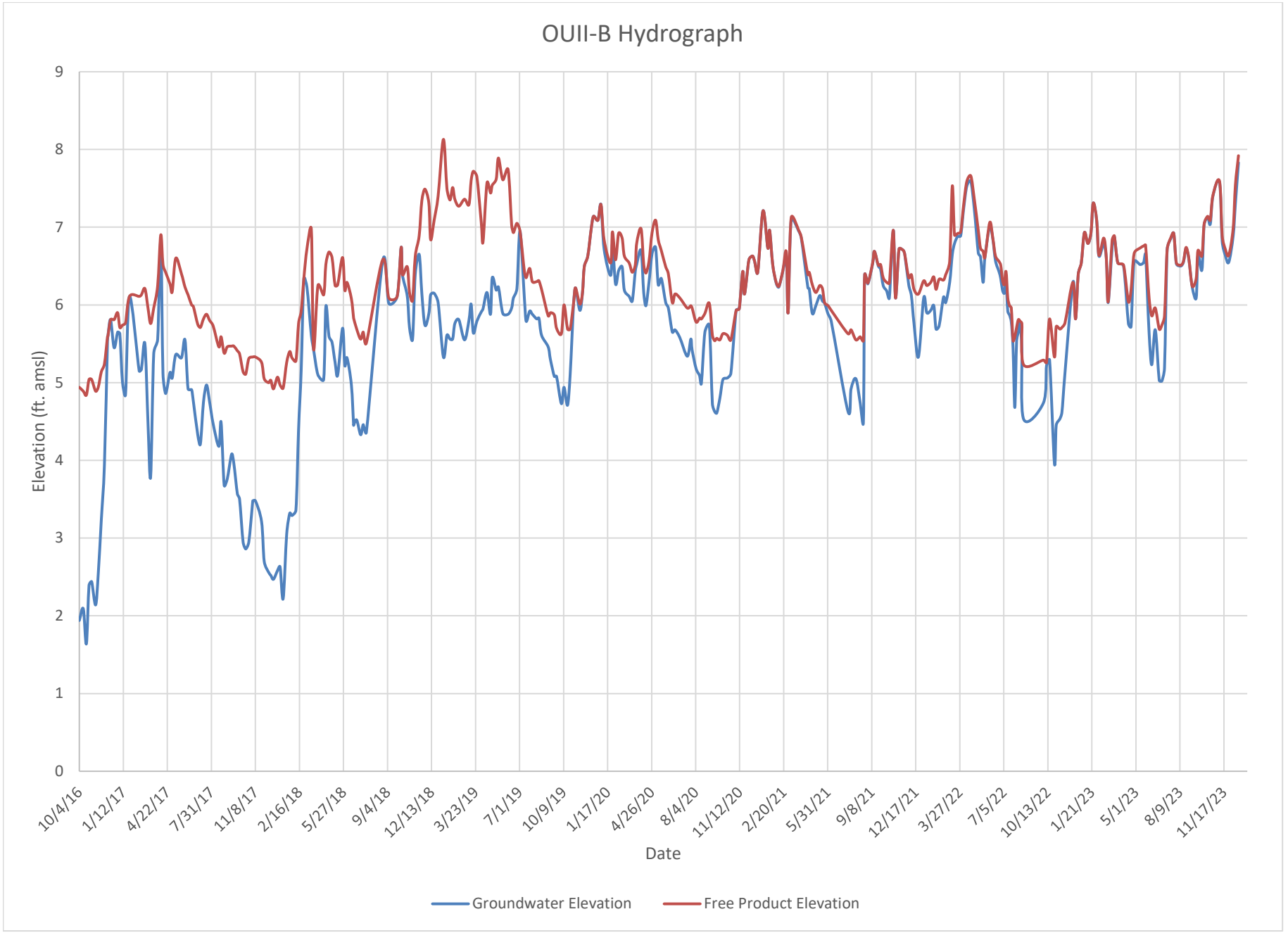
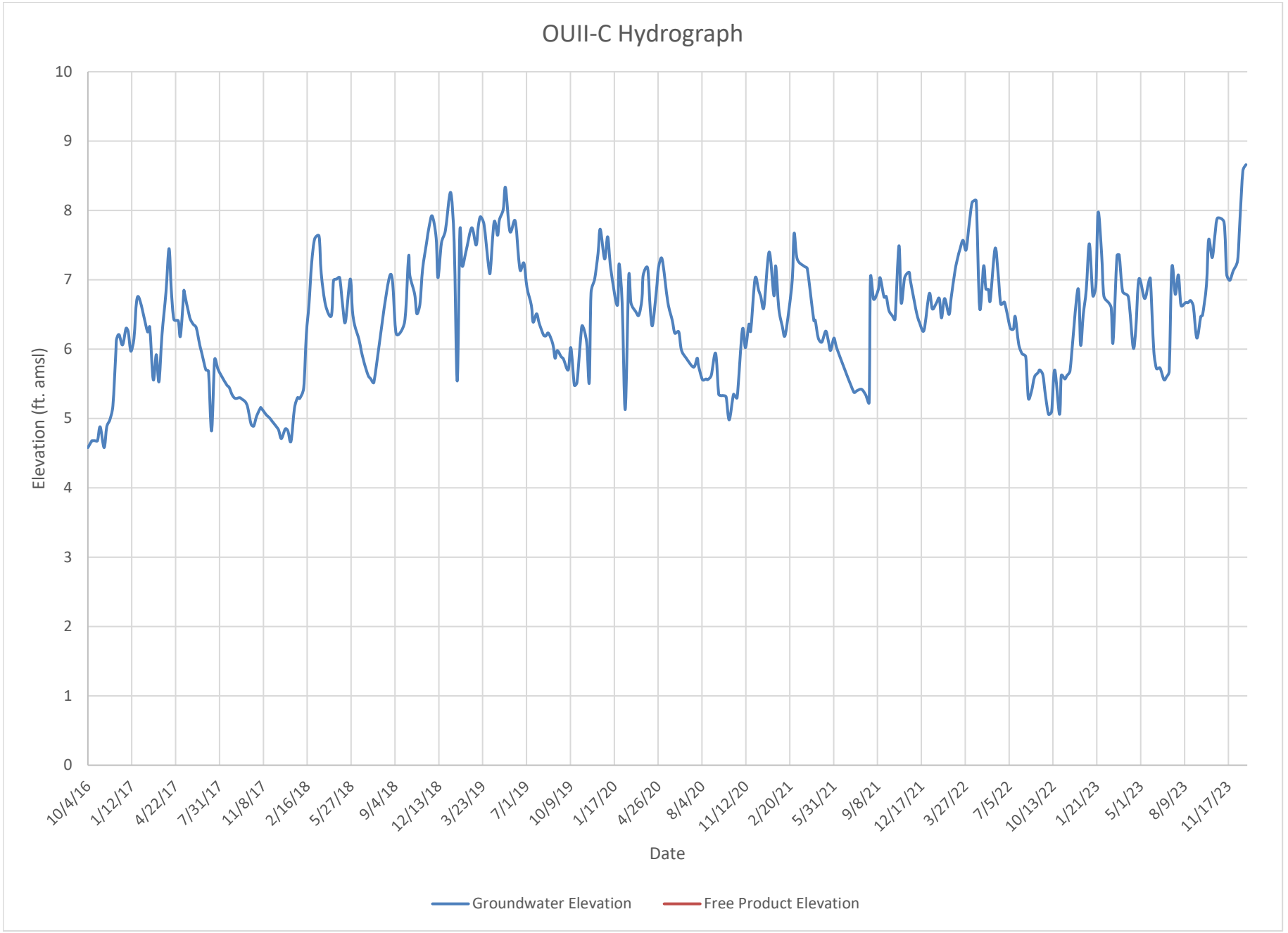
5/31/21
9/8/21
12/17/21
3/27/22
7/5/22
10/13/22
1/21/23
5/1/23
8/9/23
11/17/23
Date
Free Product Elevation
Groundwater Elevation


OUII-B Hydrograph
Elevation (ft. amsl)
9
8
7
6
5
4
3
2
1
0
10/4/16
1/12/17
4/22/17
7/31/17
11/8/17
2/16/18
5/27/18
9/4/18
12/13/18
3/23/19
7/1/19
10/9/19
1/17/20
4/26/20
8/4/20
11/12/20
2/20/21
5/31/21
9/8/21
12/17/21
3/27/22
7/5/22
10/13/22
1/21/23
5/1/23
8/9/23
11/17/23
Date
Groundwater Elevation
Free Product Elevation


OUII-C Hydrograph
Elevation (ft. amsl)
10
9
8
7
6
5
4
3
2
1
0
10/4/16
1/12/17
4/22/17
7/31/17
11/8/17
2/16/18
5/27/18
9/4/18
12/13/18
3/23/19
7/1/19
10/9/19
1/17/20
4/26/20
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2/20/21
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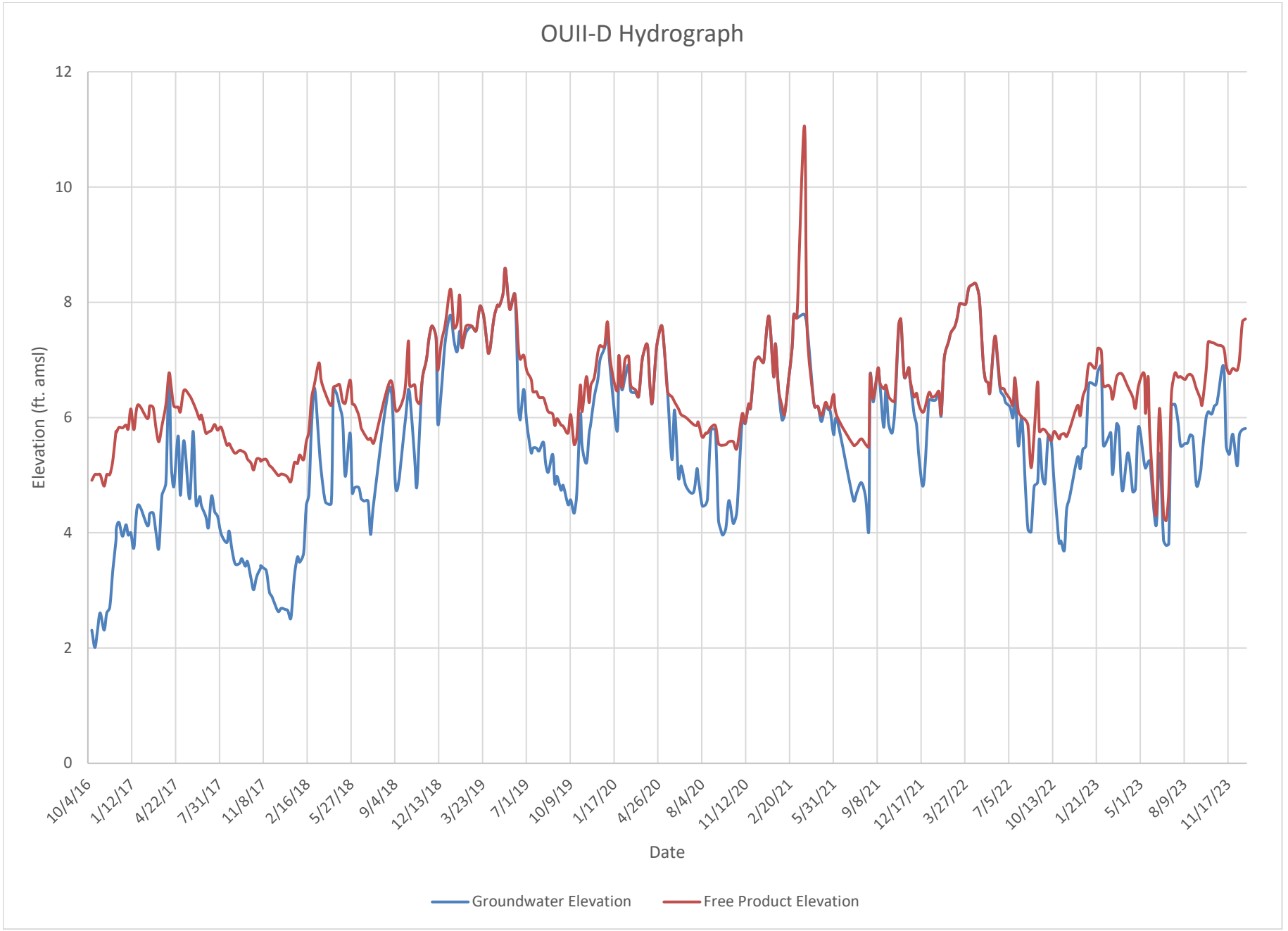
9/8/21
12/17/21
3/27/22
7/5/22
10/13/22
1/21/23
5/1/23
8/9/23
11/17/23
Date
Groundwater Elevation
Free Product Elevation


OUII-D Hydrograph
Elevation (ft. amsl)
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8
6
4
2
0
10/4/16
1/12/17
4/22/17
7/31/17
11/8/17
2/16/18
5/27/18
9/4/18
12/13/18
3/23/19
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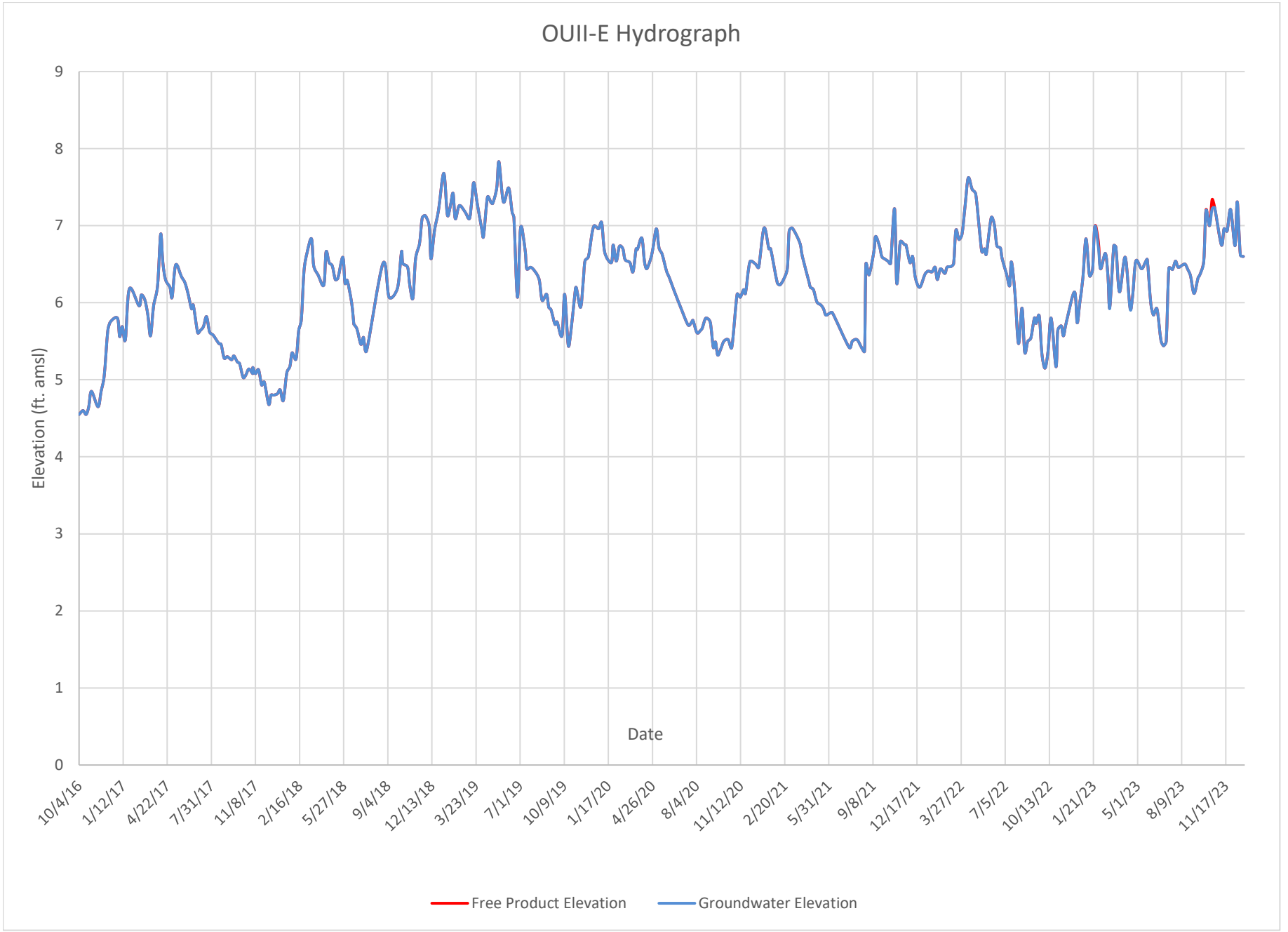
9/8/21
12/17/21
3/27/22
7/5/22
10/13/22
1/21/23
5/1/23
8/9/23
11/17/23
Date
Groundwater Elevation
Free Product Elevation


OUII-E Hydrograph
Elevation (ft. amsl)
9
8
7
6
5
4
3
2
1
0
Date
10/4/16
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4/22/17
7/31/17
11/8/17
2/16/18
5/27/18
9/4/18
12/13/18
3/23/19
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1/17/20
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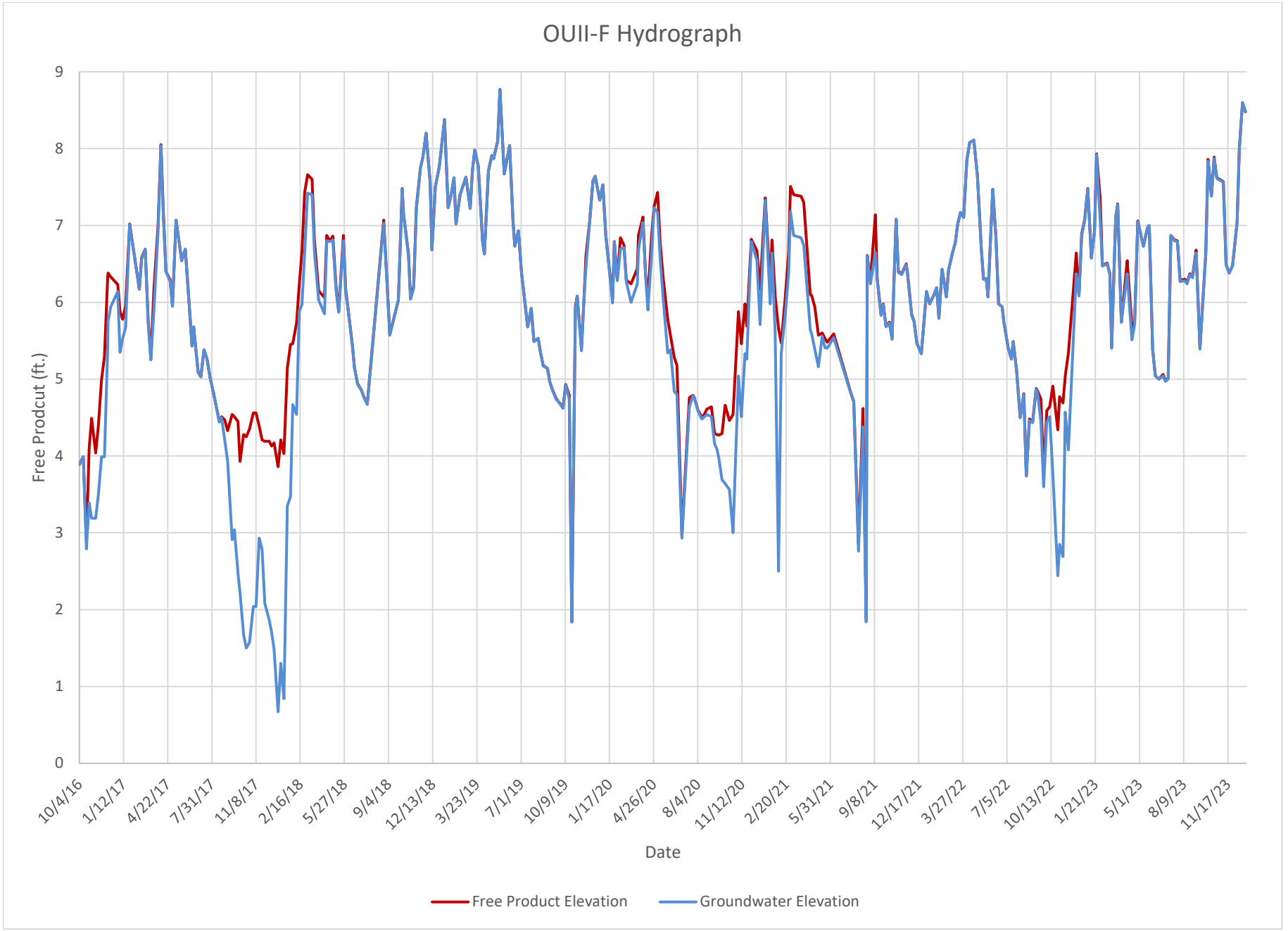
9/8/21
12/17/21
3/27/22
7/5/22
10/13/22
1/21/23
5/1/23
8/9/23
11/17/23
Free Product Elevation
Groundwater Elevation


OUII-F Hydrograph
Free Prodcut (ft.)
9
8
7
6
5
4
3
2
1
0
10/4/16
1/12/17
4/22/17
7/31/17
11/8/17
2/16/18
5/27/18
9/4/18
12/13/18
3/23/19
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10/9/19
1/17/20
4/26/20
8/4/20
11/12/20
2/20/21
5/31/21
9/8/21
12/17/21
3/27/22
7/5/22
10/13/22
1/21/23
5/1/23
8/9/23
11/17/23
Date
Free Product Elevation
Groundwater Elevation

ATTACHMENT D

Site Inspection

Metro-North Railroad Harmon Yard Operational Unit OU-I and OU-II
Inspection Form
NYSDEC Site Number 3-60-010

Note the location(s) of the inspection findings described below on the attached site sketch. Also attach copies of photographs to document conditions observed at the time of this inspection and show the location/orientation of the photographs taken on the site sketch.

OU-I Asphalt Cover

	Yes	No	Corrective Action Needed?
Are there any cracks in the asphalt cover?		x	
Any geotextile observed?		x	
Is there any surface water ponding on the asphalt cover?		x	
Is there any evidence of settlement?		x	
Is there any elevation difference at the grouted manhole covers?		x	
Settlement or erosion in the area of the perimeter sheet pile wall?		x	

Specify the Recommended Corrective Actions and Other Relevant Observations:

OU-I Contingency Air-Inlet/Vapor Extraction Well Clusters

Describe the condition of the protective covers and the well clusters. Also, provide other relevant observations, and include photographs (if warranted).

OU-II Areas Around the Asphalt Cover

Are there any erosion rivulets?		x	
Is there evidence of any washouts or soil slides?		x	
Is the vegetative cover maintained?	x		
Is there debris or other material on the slopes?		x	
Settlement or erosion in the area of the NAPL Area L1 sheet pile wall?			

Specify the Recommended Corrective Actions and Other Relevant Observations:

OU-II Monitoring and Product Removal Wells

Describe condition of monitoring wells and protective casings noting wells that require repairs. If warranted include photographs of wells and note the location of the photograph and well on the site sketch.

Repair required of stick up well AI 1-11 in 2024. Well was knocked over and pvc pipe was sheared off at ground level

OU-I/OU-II Drainage Channels

Is there any exposed geotextile in the drainage channel?		x	
If so, is the exposed geotextile damaged?		x	
Is there significant sedimentation in the drainage channel?		x	

{The rip rap drainage channel is located adjacent to the asphalt cover so there should be minimal sedimentation, and any significant sedimentation should be investigated to determine its source and cause.]

Specify the Recommended Corrective Actions and Other Relevant Observations:

Drainage channel clear

	Yes	No	Corrective Action Needed?

OU-I/OU-II Waste Accumulation Drums and Tank

Is the 500-gallon waste oil disposal AST full? **REMOVED – N/A**			
Are the 55-gallon waste oil disposal drums full?		x	
Is the 55-gallon NRD disposal drum full? **N/A**			
Evidence of spillage/leakage in the area of disposal vessels?		x	

Explain when the drums and AST were last sampled, and attach copies of test results (if available). Identify when the drums and AST last emptied/replaced and list disposal facilities/dates (if known). Provide additional information as warranted.

4 Drums shipped out for disposal on 10/12/23. Shipment BOL and Samples attached

OU-I/OU-II Perimeter Fencing

Is there any damaged fencing?		x	
Is there any vegetation close to the exterior of the fence that should be removed to eliminate a means for access to the Site over the fence?		x	
Are the gate locks present and in good working condition?	x		

Specify Correction Actions Needed:

Date of Inspection: 10/13/2023 Inspection Completed By: S. Gianazza

cc: Metro-North Department of Environmental Compliance and Services

NAPL Area L4

NAPL Collection Area

NAPL Area L4

NAPL Area L2