

**SITE MANAGEMENT PLAN STATUS REPORT**  
**REPORT PERIOD: DECEMBER 1, 2017 THROUGH FEBRUARY 28, 2018**

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

**SUMMARY OF WORK COMPLETED DURING THE REPORTING PERIOD:** This report summarizes the remedial actions and monitoring completed between December 1, 2017 and February 28, 2018 (i.e., the 25<sup>th</sup> Quarter of operation) at the Harmon Railroad Yard OU-I and OU-II, Westchester County, New York, NYSDEC Site No. 3-60-010 (the Site). This document was prepared in accordance with the provisions of 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 conducted as outlined in the SMP and free product was removed from select wells. Additionally, depth to free product and groundwater measurements were made in off-site monitoring wells that were installed in September 2016. The results of the work completed during the report period are summarized below.

**DEPTH TO GROUNDWATER AND FREE PRODUCT MEASUREMENTS:** During this report period, quarterly monitoring for OU-I and OU-II was conducted between December 8, 2017 and February 26, 2018. This monitoring included the measurement of static water levels and free product thicknesses (if present) in select functioning wells. The wells monitored and the results of this monitoring are presented on the logs included in Attachment A. A groundwater contour map developed using static water levels measured on February 14, 2018, including off-site wells designated OUII-A through OUII-F, is included as Figure 1.

**FREE PRODUCT REMOVAL RECORDS:** The logs included in Attachment A also summarize the amount of free product removed (if any) from wells during this report period. [Note: During the report period, free product was removed from wells AI2-3, RW-1, FA4-8, and FA4-17 using a Spill Buster™ system (i.e., a system installed within the well that continuously monitors/removes free product) and removed (i.e., when necessary) from other locations using a portable Spill Buddy™. The Spill Buster™ was shut down in well RW-1 from January 10, 2018 through January 18, 2018, due to a “frozen line”.] The free product removed was placed in 55-gallon drums, which were removed for off-Site disposal when full (see below).

A summary of the amount of free product removed from each well during the current report period is presented on Table 1. A summary of the total amount of free product removed from each well between December 1, 2012 and November 30, 2017 is presented on Table 2. A spider diagram presenting the maximum free product thicknesses, and the amount of free product removed from the wells at the Site during the current and preceding report period (i.e., between September 1, 2017 and November 30, 2017) is included as Figure 2.

A sample was collected from the 55-gallon drum used to store oil removed from well AI2-3 on February 7, 2018. This sample was submitted to York Analytical Laboratories, Inc. (York) for testing of polychlorinated biphenyls (PCBs). Copies of the analytical laboratory report submitted by York are provided in Attachment B.

On January 23, 2018, eight drums of free product recovered from OU-I and OU-II wells were removed from the Site and disposed of in accordance with applicable regulations. The manifest for the drum removal is included in Attachment C. [Note: Samples of these drums were collected between September 26, 2017 and October 6, 2017. The analytical laboratory results of this testing are included in the status report covering the period between September 1, 2017 and November 30, 2017.]

**GROUNDWATER SAMPLING AND TESTING:** Groundwater sampling and testing of wells located in OU-II was not required 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 August 2017 (the most recent sampling event) are included for reference purposes. The groundwater test results include volatile organic compounds (i.e., Table 3), semi-volatile organic compounds (i.e., Table 4), polychlorinated biphenyls (i.e., Table 5), metals (i.e., Table 6), and perfluorinated compounds (i.e., Table 7). [Note: Based on a request from the NYSDEC, testing for perfluorinated compounds (PFCs) was completed on August 2, 2017. The analytical laboratory results of this testing are included in the status report covering the period between September 1, 2017 and November 30, 2017.]

The next groundwater sampling event is scheduled for on, or about, July 2018. During this event groundwater samples will be collected from monitoring wells VE 1-2, VE 1-4, VE 2-1, VE 3-1, VE 4-11, and DAY 1, and tested for VOCs, SVOCs, PCBs, metals, and perfluorinated compounds. The laboratory results will be submitted as an electronic data deliverable (EDD) to the NYSDEC.

**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). Weekly monitoring of these monitoring wells commenced on October 4, 2016 to assess static water levels and free product thicknesses. The results of the monitoring during this report period for these wells are provided in Attachment A. During the weekly monitoring completed during the report period, free product was observed in monitoring wells OUII-A, OUII-B, OUII-D, and OUII-F. Table 8 shows the range of static water levels (SWLs) and the free product thickness measured in each well during the monitoring events completed to date. Free product was not detected in wells OUII-C and OUII-E in either the current or past report period.

**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. 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 was only detected on one occasion in SP-North (reported thickness of 0.03 ft. on March 15, 2017); however, the depth to free product was reported as 'suspect', and it was not identified during subsequent monitoring events. Free product has not been detected in 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:** During the most recent report period, an inspection of OU-I and OU-II was not required. [Note: The next inspection is tentatively scheduled for April 2018.]

**PROBLEMS ENCOUNTERED/RESOLUTION:** During the most recent inspection of the OU-I and OU-II areas (i.e., conducted on October 11, 2017), the following items requiring corrective actions were identified.

- Although some work was completed during the current and previous report periods, additional scrap and surplus equipment needs to be removed from locations within OU-I;
- A curb box is required to be installed at well AI-1-16.

No other problems associated with the remedial systems or ECs requiring repair/modification were identified during the report period.

**WORK ANTICIPATED FOR THE UPCOMING REPORT PERIOD AND SCHEDULE:** During the upcoming reporting period (i.e., between March 1, 2018 and May 31, 2018), it is anticipated that 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). Free product will be removed from wells RW-1, AI2-3, FA4-8, and FA4-17 using the Spill Buster™ system, and potentially other locations (e.g., FA4-13 and/or FA4-15 depending on the quantity of free product detected). If 0.5 ft. or more of free product is measured in a two-inch inner diameter (ID) well or 0.3 ft. or more of free product is measured in a four-inch ID well, it will be removed from other wells using a Spill Buster™ (or similar). [Note: In the event that between 0.2 ft. and 0.5 ft. of free product is detected in a two-inch ID well or between 0.2 ft. and 0.3 ft. of free product is detected in a four-inch ID well during monitoring events, the free product will be removed from this location at least two times per year (i.e., in the spring and fall quarters when free product levels typically increase) using a Spill Buddy™ and/or bailer.]

If full drums are generated during the upcoming quarter, samples of free product should be collected and tested, as outlined in the SMP. The full free product drums, including any currently full free product drums, should subsequently be transported off the Site and disposed of in accordance with applicable regulations.

The off-site monitoring wells should continue to be monitored on a weekly basis. In addition, an evaluation is on-going to assess the static water levels and amount of free product historically detected in the off-site monitoring wells, whether the amount of free product detected is increasing with time, and the potential impact of the free product observed in off-site monitoring well on off-site receptors. This assessment includes evaluation of potential discharge locations/receptors (e.g., evaluation of potable water sources, nearby pumping wells, etc.); review of buried utilities to assess possible preferential pathways; and, evaluation of feasible remedial options. In addition, the source of PFAS detected in groundwater samples in August 2017 is being evaluated. The results of these studies will be presented in the next SMP Status Report.

The next OU-I/OU-II inspection is due on or about April 2018.

A SMP status report for the work completed during the upcoming period (i.e., March 1, 2018 through May 31, 2018) will be submitted in June 2018. The next groundwater sampling and testing will be completed on, or about, July 2018.

A Periodic Review Report (PRR) for the reporting period January 1, 2016 through January 1, 2019, will be submitted in March 2019.

## **Tables**

Table 1:	Free Product Removal Totals: December 1, 2017 through February 28, 2018
Table 2:	Historic Free Product Removal Totals: December 1, 2012 through November 30, 2017
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 Perfluorinated Compounds: Groundwater Samples
Table 8:	Off-Site Wells Static Water Levels and Range of Free product Thickness

## **Figures**

Figure 1:	Groundwater Contour Map: February 14, 2018
Figure 2:	Summary of Free Product Removal for the Quarters June 2017 through August 2017 & September 2017 through November 2017
Figure 3:	Long-Term Monitoring Results Sample Collected May 27 & 28, 2014, May 19 & 20, 2015, May 17 & 18, 2016, and August 2 & 3, 2017

## **Attachments**

Attachment A:	Well Monitoring Logs and Free Product Removal Records: December 1, 2017 through February 28, 2018
Attachment B:	Laboratory Reports: Oil Drum Samples
Attachment C:	Hazardous Waste Manifest

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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: December 1, 2017 to February 28, 2018

OU I	
Well ID	Gallons Removed
V1	0
V2	0
V3	0
V4	11.13
<b>Total</b>	<b>11.13</b>

OU II					
Free Product AREA L1		Free Product AREA L2		Free Product AREA L4	
Well ID	Gallons Removed	Well ID	Gallons Removed	Well ID	Gallons Removed
AI1-1	0	AI2-2	0	DAY-1	0
AI1-4	0	AI2-3	72.4	FA4-8	13.4
AI1-8	0	VE2-1	0	FA4-9	0.13
AI1-11	0	<b>Total</b>	<b>72.4</b>	FA4-10	0
AI1-12	0			FA4-11	15.03
AI1-15	0			FA4-12	0.5
AI1-16	0			FA4-13	26.01
SP-North	0			FA4-14	20.27
VE1-1	0.63			FA4-15	8.9
VE1-2	0			FA4-16	8.14
VE1-3	0			FA4-17	7.00
VE1-4	0			FA4-18	8.26
WB-9	0			FA4-19	0
<b>Total</b>	<b>0.63</b>			FA4-20	0
				FA4-21	0
				FA4-23	0
				PGW-2	4.26
				RW-1	16.4
				VE4-1	0
				VE4-5	8.51
				VE4-6	0
				VE4-7	0
				VE4-8	0.5
				VE4-9	0.88
				VE4-10	1
				VE4-11	0
				VE4-12	0
				VE4-13	0
				<b>Total</b>	<b>139.19</b>

Free Product AREA L3	
Well ID	Gallons Removed
AI3-4	0
AI3-5	0
AI3-6	0
VE3-1	1.38
<b>Total</b>	<b>1.51</b>

Table 2

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

Free Product Removal Totals Prior to Current Report Period  
 December 1, 2012 - November 30, 2017

OU I	
Well ID	Gallons Removed
V1	5.18
V2	4.01
V3	19.08
V4	82.28
<b>Total</b>	<b>110.55</b>

OU II					
Free Product AREA L1		Free Product AREA L2		Free Product AREA L4	
Well ID	Gallons Removed	Well ID	Gallons Removed	Well ID	Gallons Removed
AI1-1	0.03	AI2-2	1.63	DAY-1	0
AI1-4	0.04	AI2-3	605.03	FA4-8	173.97
AI1-8	0.06	VE2-1	0	FA4-9	0.6
AI1-11	0.122	<b>Total</b>	<b>606.66</b>	FA4-10	0.13
AI1-12	0.18			FA4-11	111.22
AI1-15	0.38			FA4-12	8.29
AI1-16	0			FA4-13	52.38
VE1-1	8.09			FA4-14	164.07
VE1-2	0.01			FA4-15	52.11
VE1-3	0.1			FA4-16	43.27
VE1-4	0			FA4-17	19.17
<b>Total</b>	<b>8.942</b>			FA4-18	53.5
				FA4-19	0
				FA4-20	0
				FA4-21	0.29
				FA4-23	1.04
				PGW-2	15.68
				RW-1	1257.26
				VE4-1	0
				VE4-5	157.41
				VE4-6	2.26
				VE4-7	0.08
				VE4-8	2.42
				VE4-9	8.53
				VE4-10	2.93
				VE4-11	0
				VE4-12	0
				VE4-13	0
				<b>Total</b>	<b>2126.605</b>







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

Summary of Polychlorinated Biphenyls (PCBs)  
Groundwater Samples

Compound	Groundwater Standard or Guidance Value <sup>(1)</sup>	Test Location and Sample Date																															
		VE 1-2								VE 1-4								VE 2-1								VE 3-1							
		3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/17/16	8/2/17	3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/18/16	8/2/17	3/28/12	9/12/12	4/2/13	9/24/13	5/28/14	5/20/15	5/18/16	8/3/17	3/27/12	9/11/12	4/2/13	9/25/13	5/28/14	5/19/15	5/18/16	8/3/17
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 [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.098]	ND [0.51]	ND [0.502]	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 [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.096]	ND [0.505]	ND [0.505]
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 [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.102]	ND [0.51]	ND [0.502]	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 [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.1]	ND [0.505]	ND [0.505]
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 [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.102]	ND [0.51]	ND [0.502]	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 [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.1]	ND [0.505]	ND [0.505]
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 [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.091]	ND [0.51]	ND [0.502]	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 [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.089]	ND [0.505]	ND [0.505]
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 [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.102]	ND [0.51]	ND [0.502]	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 [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.1]	ND [0.505]	ND [0.505]
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 [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.045]	ND [0.51]	ND [0.502]	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 [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.044]	ND [0.505]	ND [0.505]
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 [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.083]	ND [0.51]	ND [0.502]	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 [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.081]	ND [0.505]	ND [0.505]
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 [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.083]	ND [0.51]	ND [0.502]	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 [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.081]	ND [0.505]	ND [0.505]
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 [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.083]	ND [0.51]	ND [0.502]	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 [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.081]	ND [0.505]	ND [0.505]
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 [0.0513]	ND [0.0526]	ND [0.0625]	ND [0.0606]	ND [0.102]	ND [0.51]	ND [0.502]	ND [0.0513]	ND [0.0571]	ND [0.0526]	ND [0.0667]	ND [0.0625]	ND [0.101]	ND [0.505]	ND [0.507]	ND [0.0513]	ND [0.0513]	ND [0.0526]	ND [0.0588]	ND [0.0625]	ND [0.1]	ND [0.505]	ND [0.505]

Compound	Groundwater Standard or Guidance Value <sup>(1)</sup>	Test Location and Sample Date																					
		VE 4-11								DAY 1								Field Blank					
		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	3/27/12	9/11/12	4/2/13	9/24/13	5/27/14	5/19/15	5/17/16	8/2/17	3/28/12	9/12/12	4/2/13	9/25/13	5/20/15
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 [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.098]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.097]
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 [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.102]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.101]
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 [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.102]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.101]
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 [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.091]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.09]
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 [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.102]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.101]
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]	ND [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.045]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.044]
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 [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.083]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.082]
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 [0.0556]	ND [0.0526]	ND [0.0625]	NT	ND [0.083]	ND [0.51]	ND [0.504]	ND [0.0513]	ND [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.082]
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]	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 [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.082]
Total PCBs	0.09	ND [0.0513]	0.0805	0.0786	ND [0.0500]	<b>0.0928</b>	ND [0.0588]	ND [0.103]	0.914	0.711	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 [0.0556]	ND [0.0513]	ND [0.0645]	ND [0.101]

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

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

**Summary of Metals**  
**Groundwater Samples**

Compound	Groundwater Standard or Guidance Value <sup>(1)</sup>	Test Location and Sample Date																															
		VE 1-2								VE 1-4								VE 2-1								VE 3-1							
		3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/17/16	8/2/17	3/27/12	9/12/12	4/2/13	9/25/13	5/27/14	5/20/15	5/18/16	8/2/17	3/28/12	9/12/12	4/2/13	9/24/13	5/28/14	5/20/15	5/18/16	8/3/17	3/27/12	9/11/12	4/2/13	9/25/13	5/28/14	5/19/15	5/18/16	8/3/17
Arsenic	25	ND [10]	ND [4.0]	ND [4.0]	ND [4.0]	ND [4.0]	2.82	4.71	1.57	ND [10]	ND [4.0]	ND [4.0]	ND [4.0]	ND [4.0]	3.5	36.5	1.21	ND [10]	ND [4.0]	ND [4.0]	ND [4.0]	ND [4.0]	0.507 J	0.42 J	0.92 J	ND [10]	4.71	6.03	ND [4.0]	5.62	9.16	16.5	19.1
Chromium	50	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	0.969 J	1.71 JN*	0.85 JN	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	0.796 J	139 N*	1.62 JN	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	0.137 J	0.65 JN*	0.73 JN	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	3.07	5.62 N*	5.35 N
Copper	200	ND [5]	ND [5]	ND [5]	ND [3]	ND [3]	3.21	21.5 N	4.48	ND [5]	ND [5]	ND [5]	ND [3]	ND [3]	10.8	6060 N	48	ND [5]	6.72	5.56	4.70	9.00	4.55	3.5 N	3.48	ND [5]	ND [5]	ND [5]	ND [3]	ND [3]	5.24	6.73 N	9.65
Lead	25	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	4.34	7.76	1.56*	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	3.89	1690	14.7*	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	1.38	0.3 J	0.17 J*	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	3.77	1.44	2.71 *

Compound	Groundwater Standard or Guidance Value <sup>(1)</sup>	Test Location and Sample Date																						
		VE 4-11									DAY 1									Field Blank				
		3/27/12	9/11/12	11/20/12 DQ	4/2/13	9/24/13	5/27/14	5/19/15	5/17/16	8/2/17	3/27/12	9/11/12	4/2/13	9/24/13	5/27/14	5/19/15	5/17/16	8/2/17	3/28/12	9/12/12	4/2/13	9/25/13	5/20/15	
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 [10]	12.5	ND [4.0]	ND [4.0]	ND [4.0]	10.7	10.6	10.8	ND [10]	ND [4.0]	ND [4.0]	ND [4.0]	ND [1.0]	
Chromium	50	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	1.37 J	0.66 JN*	0.81 JN	ND [5]	ND [5]	ND [5]	ND [5]	ND [5]	1.31 J	1.44 JN*	0.95 JN	ND [5]	ND [5]	ND [5]	ND [5]	0.431 J	
Copper	200	7.64	10.1	8.7	ND [5]	13.7	4.44	9.24	9.02 N	7.24	ND [5]	ND [5]	ND [5]	ND [3]	ND [3]	1.34 J	2.77 N	2.99	ND [5]	ND [5]	ND [5]	ND [5]	17.3	80
Lead	25	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	1.55	0.19 J	0.66 J*	ND [3]	ND [3]	ND [3]	ND [3]	ND [3]	1.75	0.15 J	0.41 J*	ND [3]	ND [3]	ND [3]	ND [3]	1.6	

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

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

**Table 7**  
**NYSDEC Site #360010**  
**Harmon Yard Waste Water Area**  
**OU II**

**Summary of Perfluorinated Compounds**  
**Groundwater Samples**

Compound	Test Location and Sample Date						
	VE 1-2	VE 1-4	VE 2-1	VE 3-1	VE 4-11	DAY 1	Field Blank
	8/2/17	8/2/17	8/2/17	8/2/17	8/2/17	8/2/17	-
Perfluoroheptanoic acid (PFHpA)	ND [0.79]	7.7	4	3.3	ND [0.81]	5.4	ND [0.67]
Perfluorooctanoic acid (PFOA)	5.2	29	7.7	5.6	ND [0.75]	18	ND [0.62]
Perfluorooxononanoic acid (PFNA)	1.3 J	2.8	2.6	1.1 J	ND [0.66]	2.4	ND [0.54]
Perfluorodecanoic acid (PFDA)	ND [0.43]	ND [0.43]	0.76 J	ND [0.44]	ND [0.44]	ND [0.44]	ND [0.37]
Perfluoroundecanoic acid (PFUnA)	ND [0.73]	ND [0.73]	ND [0.74]	ND [0.75]	ND [0.75]	ND [0.75]	ND [0.62]
Perfluorododecanoic acid (PFDoA)	1.2 J	ND [0.57]	ND [0.58]	ND [0.75]	1.4 J	ND [0.58]	ND [0.49]
Perfluorotridecanoic acid (PFTriA)	ND [0.54]	ND [0.54]	ND [0.54]	ND [0.59]	ND [0.56]	ND [0.55]	ND [0.46]
Perfluorotetradecanoic acid (PFTeA)	ND [0.20]	ND [0.19]	0.27 J B	ND [0.55]	ND [0.20]	ND [0.20]	ND [0.17]
Perfluorohexanesulfonic acid (PFHxS)	7.4	9.7	24	2	39	5.0	ND [0.72]
Perfluoroheptanesulfonic acid (PFHpS)	ND [0.70]	0.77 J	ND [0.70]	ND [0.72]	ND [0.72]	ND [0.71]	ND [0.59]
Perfluorooctanesulfonic acid (PFOS)	37	62	55	14	7.2	16	ND [1.1]
Perfluorodecanesulfonic acid (PFDS)	ND [1.2]	ND [1.2]	ND [1.2]	ND [1.2]	ND [1.2]	ND [1.2]	ND [1.0]
Perfluorooctane Sulfonamide (FOSA)	ND [0.63]	ND [0.62]	3.9 J	ND [0.64]	ND [0.64]	ND [0.64]	ND [0.53]
Perfluorobutanoic acid (PFBA)	ND [22]	ND [22]	54 J B Cl	2200 B Cl	ND [23]	2000 B Cl	ND [0.38]
Perfluoropentanoic acid (PFPeA)	ND [48]	ND [48]	ND [49]	ND [50]	ND [50]	4600 Cl	ND [0.82]
Perfluorohexanoic acid (PFHxA)	ND [39]	ND [38]	ND [39]	ND [39]	ND [40]	ND [39]	ND [0.65]
Perfluorobutanesulfonic acid (PFBS)	ND [45]	ND [45]	ND [45]	ND [46]	ND [46]	ND [46]	ND [0.76]

**Notes:**

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

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

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

The NYSDEC does not have groundwater standard or guidance values for perfluorooctanoic acid (PFOA) or prefluorooctanesulfonic acid (PFOS); however, in 2016 the United States Environmental Protection Agency (USEPA) issued a health advisory level of 70 nanograms per liter (ng/l) or parts per trillion (ppt) for the combined concentration of PFOA and PFOS in drinking water sources.

**Table 8**  
**NYSDEC Site #360010**  
**Harmon Yard Waste Water Area**

**Off-Site Wells Static Water Levels and Range of Free Product Thickness**

	October 4, 2016 through November 30, 2016		December 1, 2016 through February 28, 2017		March 1, 2017 through May 31, 2017		June 1, 2017 through July 31, 2017		September 1, 2017 through November 30, 2017		December 1, 2017 through February 28, 2018	
<b>Monitoring Well ID</b>	<b>Static Water Level (ft.msl)</b>	<b>Range of Free Product Thickness (ft.)</b>	<b>Static Water Level (ft. msl)</b>	<b>Range of Free Product Thickness (ft.)</b>	<b>Static Water Level (ft. msl)</b>	<b>Range of Free Product Thickness (ft.)</b>	<b>Static Water Level (ft. msl)</b>	<b>Range of Free Product Thickness (ft.)</b>	<b>Static Water Level (ft. msl)</b>	<b>Range of Free Product Thickness (ft.)</b>	<b>Static Water Level (ft. msl)</b>	<b>Range of Free Product Thickness (ft.)</b>
OUII-A	4.58-5.04	0.7-3.0	5.53-6.19	0.0-0.55	5.56-6.86	0.0-0.94	5.37-6.28	0.04-1.28	9.36-9.82	0.67-2.01	8.31-10.00	0-2.26
OUII-B	4.36-5.04	1.3-3.2	5.58-6.11	0.0-0.96	5.46-6.89	0.08-1.97	5.12-6.13	0.68-1.7	9.28-9.84	1.39-2.36	8.20-10.02	0-2.71
OUII-C	4.58-5.18	0	5.99-6.76	0	5.53-7.45	0.0-1.24	4.82-6.31	0	9.18-9.59	0-1.82	7.25-9.81	0
OUII-D	4.40-4.97	1.9-3.0	5.47-5.96	1.65-2.15	5.3-6.77	0.0-1.84	5.19-6.18	0.5-1.85	9.57-9.93	1.78-2.24	8.46-10.18	0.48-2.37
OUII-E	4.55-5.05	0	5.56-6.18	0	5.57-6.89	0	5.28-6.26	0	9.44-9.82	0	8.34-10.07	0
OUII-F	2.87-5.09	0.0-1.3	5.8-7.02	0-0.93	5.27-8.05	0.0-0.28	4.43-6.69	0-0.26	7.19-7.82	0.40-2.78	4.18-8.11	0.35-3.19

Note: Static Water Level in feet above mean sea level corrected for the presence of Free Product based on the following relationship:

$$\text{Corrected SWL (ft. bgs)} = \text{Measured SWL (ft. bgs)} - 0.85 \times \text{Measured Free Product Thickness (ft.)}$$

## **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.

**LEGEND:**

- VE 4-6 (6.63 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 November 2017
- Off-site monitoring well installed September 2016
- Existing monitoring well near the southern terminus of the sheet pile wall in NAPL Area L1
- Monitoring well near the northern terminus of the sheet pile in NAPL Area L1
- 4.0 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



PROJECT MANAGER	RLK	DATE	03-2018
DRAWN BY	CPS	DATE DRAWN	03-2018
SCALE	As Noted	DATE ISSUED	03-28-2018

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

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

Drawing Title  
**SITE MANAGEMENT PLAN**

Groundwater Contour Map: February 14, 2018

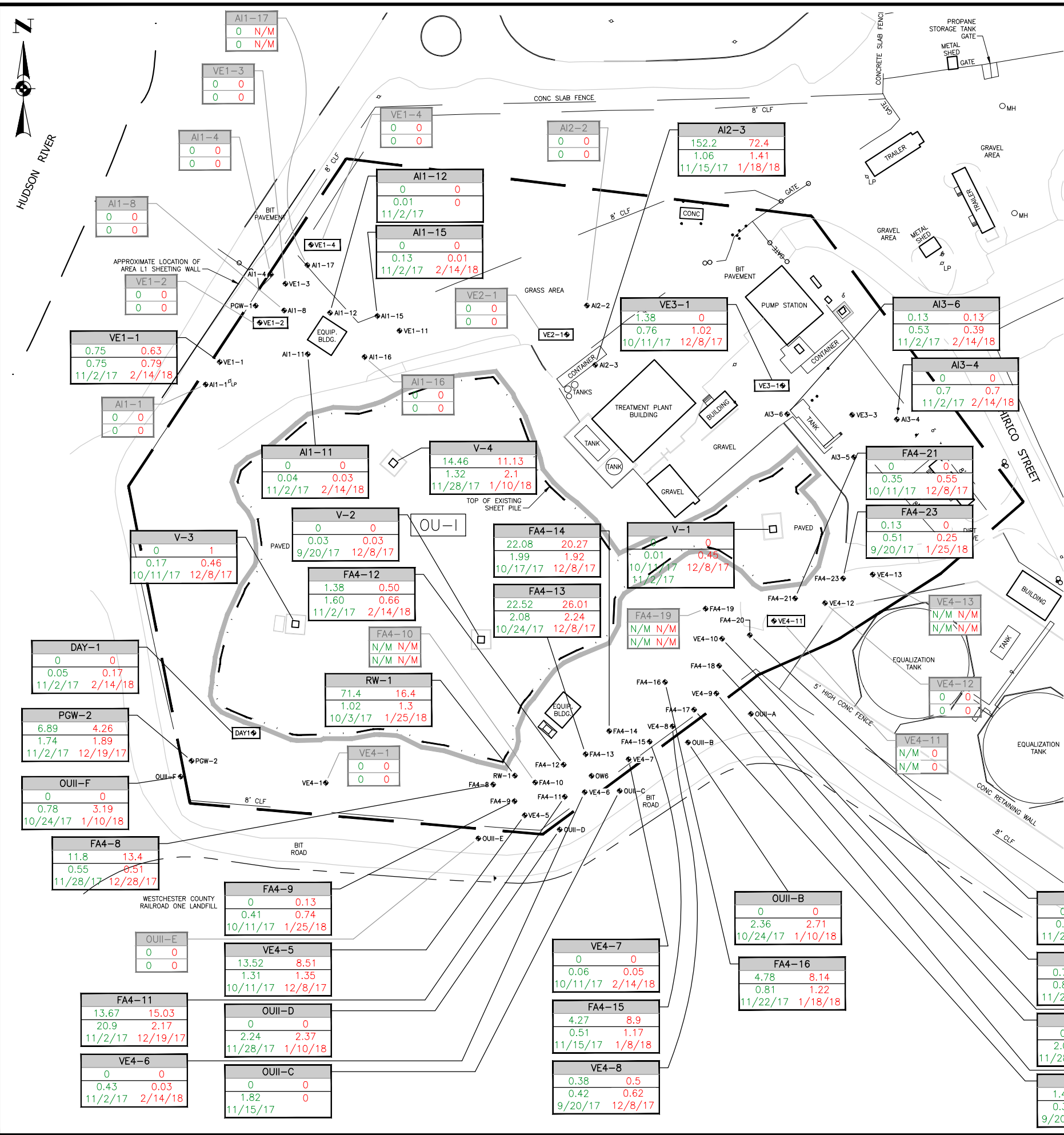
Project No.  
 15-3356M (46)

**FIGURE 1**

Document Path: \\MNR\GIS\MNR\_Documents\GIS\_Data\MNR\HarmonYard\OU1\OU2\Remediation\OU\_OU1\_20180214.mxd  
 Last Date Saved: 28 Mar 2018

Ref1: Xerox432AnsiB-2; 11 x 17  
 Ref2: Layout1  
 Ref3: Pen Setting File: 800psHalfColorBeacon.ctb

Time Plotted: Friday, March 16, 2018 9:00:26 AM  
 File Name: P:\Drawings\Metro\Harmon\Remediation-46\NAPL Wells Qtr Dec 2017-Feb 2018.dwg



**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. NAPL is removed from RW-1 and AI2-3 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
- FA4-8 Long-Term Monitoring Well Identification
- NAPL Removed (Gallons) During Quarter
- Maximum NAPL Thickness (Feet) Measured During Quarter With Date Of Measurement
- Measurements Made During The Report Period September 1, 2017 Through November 31, 2017 Shown In Green (Left)
- Measurements Made During The Report Period December 1, 2017 Through February 28, 2018 Shown In Red (Right)
- N/M Well Not Measured

**SITE PLAN**  
 1" = 80'



DATE	3/2018
PROJECT MANAGER	HMM
DATE DRAWN	3/16/2018
DRAWN BY	RJM/CPS/TW
DATE ISSUED	3/16/2018
SCALE	As Noted

**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**

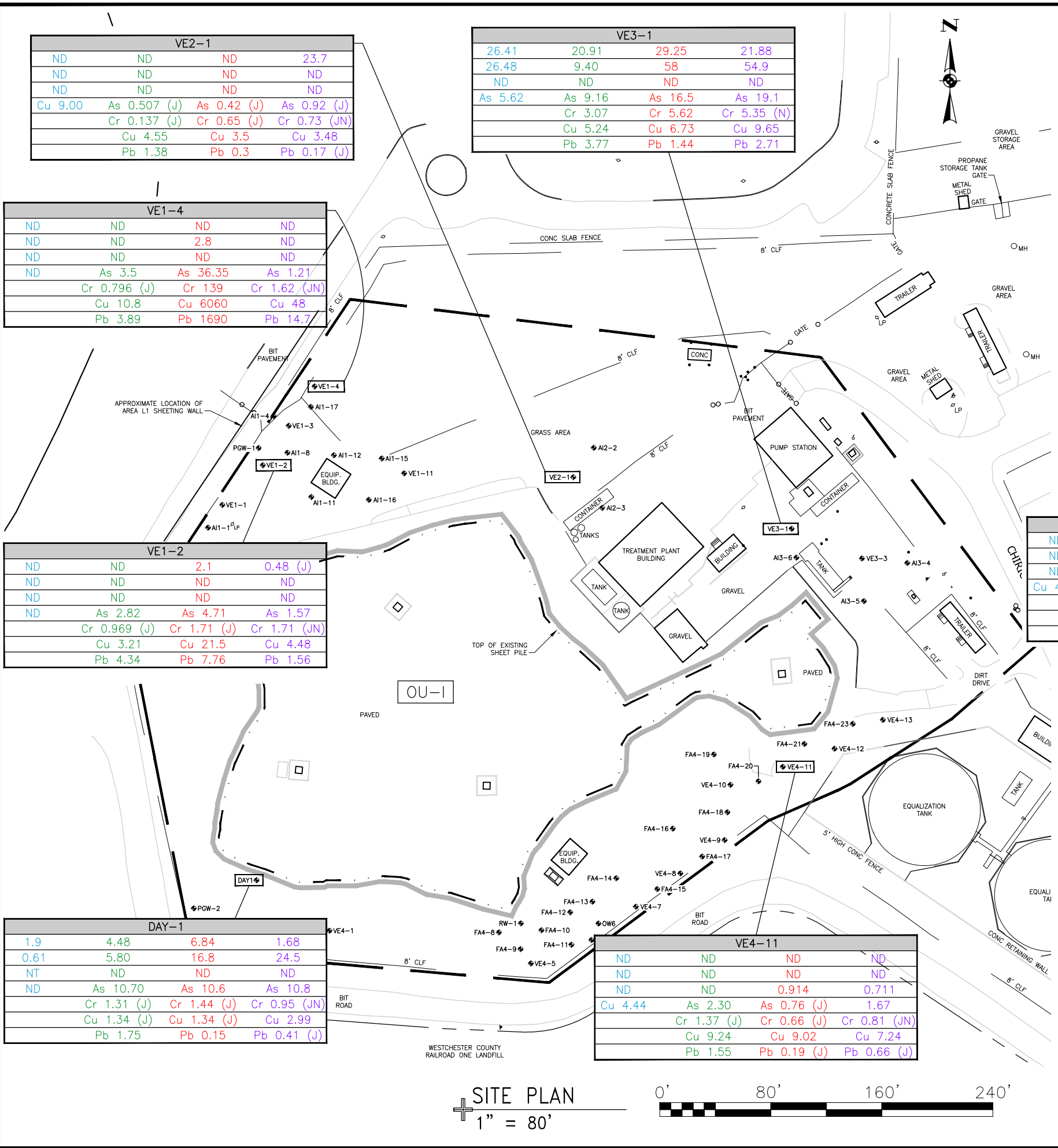
DRAWING TITLE  
**Summary Of NAPL Removal For The Quarters  
 September - November 2017 & December 2017 - February 2018**

PROJECT NO.  
 15-3356M (46)

**FIGURE 2**



Time Plotted: Friday, September 22, 2017 1:40:44 PM  
 File Name: P:\Drawings\Metro\Harmon\Remediation-46\Treatment Plant Sample Results Aug 2017.dwg  
 Xerox432AnsIB-2; 11 x 17  
 Layout Name: Layout1  
 Pen Setting File: 800psHalfColorBeacon.ctb



**NOTES:**

- This drawing was prepared from a CAD base file provided 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.
- 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...)

**LEGEND:**

- Former Vapor Extraction (VE), Air Inlet (AI), Forced Air Injection (FA), Existing Monitoring Well Or Product Recovery Well (RW) and Designation
- 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
- OU-I Contingency Vapor Extraction System Wells

VE4-11			
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	0.914	0.711
Cu 4.44	As 2.30	As 0.76 (J)	1.67
	Cr 1.37 (J)	Cr 0.66 (J)	Cr 0.81 (JN)
	Cu 9.24	Cu 9.02	Cu 7.24
	Pb 1.55	Pb 0.19 (J)	Pb 0.66 (J)

- Long-Term Monitoring Well Identification
- Total Concentration Of CP51-List VOC's and Chlorobenzene
- Total Concentration Of CP51-List SVOC's and 2Methylnaphthalene
- Concentration Of Total PCB's
- Concentration Of Detected Metals (As, Cr, Cu, Pb)

- (J) Estimated Concentration
- (N) Indicates The Spiked Sample Recovery Is Not Within Control Limits
- ND Constituents Not Detected
- NT Not Tested

Long-Term Monitoring Results For Samples Collected On May 27, 2014 And May 28, 2014 Shown In Blue

Long-Term Monitoring Results For Samples Collected On May 19, 2015 And May 20, 2015 Shown In Green

Long-Term Monitoring Results For Samples Collected On May 17, 2016 And May 18, 2016 Shown In Red

Long-Term Monitoring Results For Samples Collected On August 2, 2017 And August 3, 2017 Shown In Purple

**NOTES:**

- All results in ug/L or parts per billion.
- If metals were detected specific metal and concentration are identified.

PROJECT MANAGER	HMM	DATE	9-2017
DRAWN BY	RJM	DATE DRAWN	9-22-2017
SCALE	As Noted	DATE ISSUED	9-22-2017

**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  
**NYSDC SITE #360010**  
**DRAWING TITLE**  
 Long-Term Monitoring Results Samples Collected May 27 & 28, 2014, May 19 & 20, 2015, May 17 & 18, 2016 & August 2 & 3, 2017

**PROJECT NO.**  
 15-3356M (46)  
**FIGURE 3**

**ATTACHMENT A**

**Well Monitoring Logs and Free Product Removal Records  
December 1, 2017 through February 28, 2018**

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
2/14/2018	0	14.13	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
2/14/2018	0	13.91	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
2/14/2018	0	14.25	0	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

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
2/14/2018	0	13.86	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
2/14/2018	0	0.00	0	0	blocked



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
2/14/2018	0	14.56	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
2/14/2018	0	14.18	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
2/14/2018	0	14.25	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
2/14/2018	0	14.06	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
12/8/2017	17.09	17.54	0.45	0	
1/25/2018	0	17.1	0	0	
2/14/2018	0	16.94	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
12/8/2017	17.62	17.65	0.03	0	
1/25/2018	17.65	17.66	0.01	0	
2/14/2018	17.58	17.59	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
12/8/2017	17.88	18.34	0.46	1	
1/25/2018	17.8	17.85	0.05	0	
2/14/2018	17.61	17.67	0.06	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
12/8/2017	17.05	18.12	1.07	1	
12/13/2017	17.1	18.09	0.99	1.25	
12/19/2017	17.19	18.53	1.34	1.5	
12/28/2017	17.35	18.95	1.6	1.25	
1/3/2018	17.42	19.2	1.78	2	
1/10/2018	17.65	19.75	2.1	2.25	
1/18/2018	16.94	17.06	0.12	0	
1/25/2018	17.05	17.11	0.06	0	
1/30/2018	17.02	17.38	0.36	0	
2/8/2018	17.05	17.25	0.2	0	
2/14/2018	16.71	17.25	0.54	0.75	
2/20/2018	16.58	17.05	0.47	0.5	
2/26/2018	16.4	16.86	0.46	0.63	



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
2/14/2018	0	11.51	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
2/14/2018	0	11.18	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
2/14/2018	14	14.11	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
2/14/2018	16.20	16.23	0.03	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
2/14/2018	0.00	17.83	0.00	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
2/14/2018	19.41	19.42	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
2/14/2018	0	14.39	0	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
2/14/2018	0	0.00	0	0	dry 12.60 ft.



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
12/8/2017	0	10.62	0	0	
12/13/2017	0	10.7	0	0	
12/19/2017	0	10.8	0	0	
12/28/2017	0	11.02	0	0	
1/3/2018	0	11.14	0	0	
1/10/2018	0	11.32	0	0	
1/18/2018	0	10.62	0	0	
1/25/2018	0	10.69	0	0	
1/30/2018	0	10.6	0	0	
2/8/2018	0	10.65	0	0	
2/14/2018	0	10.43	0	0	
2/20/2018	0	10.32	0	0	
2/26/2018	0	10.04	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
2/14/2018	9.39	10.18	0.79	0.63	

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
2/14/2018	0	10.14	0	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
2/14/2018	0	9.42	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
2/14/2018	0	10.91	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
2/14/2018	0	8.92	0	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
2/14/2018	0.00	15.32	0.00	0	

**Metro-North Railroad Free Product Recovery Report**

Metro-North Yard: Harmon (OU I)    Well ID: AI2-3    Diameter: 4 in.

<b>Date</b>	<b>Depth to Free Product (ft)</b>	<b>Depth to Water (ft)</b>	<b>Free Product Thickness (ft)</b>	<b>Free Product Recovered (gal)</b>	<b>Comments*</b>
12/8/2017	16.27	17.41	1.14	0	drum 2.6 ft FULL
12/13/2017	16.34	16.35	0.01	0	drum 0.69 ft
12/19/2017	16.35	16.36	0.01	0	drum 1.19 ft
12/28/2017	16.22	16.23	0.01	0	drum 1.49 ft
1/3/2018	16.03	17.43	1.4	0	drum 1.51 ft
1/10/2018	16.41	16.44	0.03	0	drum 2.20 ft
1/18/2018	16.02	17.43	1.41	0	drum 2.50 ft. full and changed
1/25/2018	16.13	16.17	0.04	0	drum 0.75 ft
1/30/2018	15.98	15.99	0.01	0	drum 1.20 ft
2/8/2018	16.04	16.05	0.01	0	drum 1.81 ft
2/14/2018	15.8	15.82	0.02	0	drum 2.15 ft
2/20/2018	15.68	15.73	0.05	0	drum 2.17 ft
2/26/2018	0	15.39	0	0	drum 2.17 ft

\*Measured height of Free Product accumulated in drum. Height of drum is assumed to be 2.5 ft and equal to approximately 50 gallons. Comment on 11/28/2017 stated 'drum 1.55 ft'. Total amount of Free Product Recovered = 72.4 gallons



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
2/14/2018	0	11.86	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
2/14/2018	14.19	14.26	0.07	0	

Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU I)    Well ID: A13-5    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
2/14/2018	17.03	17.42	0.39	0.13	

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
12/8/2017	12.26	13.28	1.02	0	
1/25/2018	12.11	12.78	0.67	0	
2/14/2018	11.77	12.01	0.24	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
2/14/2018	16.21	16.38	0.17	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*
12/8/2017	17.58	17.94	0.36	0	drum 0.4 ft
12/13/2017	17.7	17.81	0.11	0	drum 0.45 ft
12/19/2017	17.56	17.6	0.04	0	drum 0.51 ft
12/28/2017	17.62	18.13	0.51	0	drum 0.53 ft
1/3/2018	17.58	17.92	0.34	0	drum 0.59 ft
1/10/2018	17.65	18.45	0.8	0	drum 0.62 ft
1/18/2018	17.38	17.43	0.05	0	drum 0.65 ft
1/25/2018	17.41	17.79	0.38	0	drum 0.71 ft
1/30/2018	17.14	17.3	0.16	0	drum 0.80 ft
2/8/2018	17.3	17.43	0.13	0	drum 0.90 ft
2/14/2018	16.89	17.08	0.19	0	drum 0.96 ft
2/20/2018	16.81	17.17	0.36	0	drum 0.98 ft
2/26/2018	16.3	16.31	0.01	0	drum 1.00 ft

\*Measured height of Free Product accumulated in drum. Height of drum is assumed to be 2.5 ft and equal to approximately 50 gallons. Comment on 11/28/2017 stated 'drum 0.33 ft'. Total amount of Free Product Recovered = 13.4 gallons

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
12/8/2017	9.61	10.01	0.4	0	
1/25/2018	8.79	9.53	0.74	0.13	
2/14/2018	8.64	8.86	0.22	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
12/8/2017	12.24	14.34	2.1	1.88	
12/13/2017	12.27	13.85	1.58	1.5	
12/19/2017	12.25	14.42	2.17	1.88	
12/28/2017	12.28	14.26	1.98	1.88	
1/3/2018	12.27	14.3	2.03	1.25	
1/10/2018	12.37	13.89	1.52	1.5	
1/18/2018	12.08	13.97	1.89	1.63	
1/25/2018	12.09	13.62	1.53	1.25	
1/30/2018	12	12.85	0.85	0.63	
2/8/2018	12	13.05	1.05	0.75	
2/14/2018	11.75	12.26	0.51	0.5	
2/20/2018	11.56	11.72	0.16	0	
2/26/2018	10.86	11.16	0.3	0.38	

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
2/14/2018	14.68	15.34	0.66	0.50	

**Metro-North Railroad Free Product Recovery Report**

Metro-North Yard: Harmon (OU I) Well ID: FA4-13R Diameter: 4 in.

<b>Date</b>	<b>Depth to Free Product (ft)</b>	<b>Depth to Water (ft)</b>	<b>Free Product Thickness (ft)</b>	<b>Free Product Recovered (gal)</b>	<b>Comments</b>
12/8/2017	11.57	13.81	2.24	2.5	
12/13/2017	11.6	13.9	2.3	2.75	
12/19/2017	11.56	13.92	2.36	2.5	
12/28/2017	11.62	13.97	2.35	2.5	
1/3/2018	11.65	13.84	2.19	2.75	
1/10/2018	11.77	14.06	2.29	3	
1/18/2018	11.48	13.1	1.62	1.88	
1/25/2018	11.49	12.96	1.47	1.5	
1/30/2018	11.35	12.7	1.35	1.25	
2/8/2018	13.85	15.01	1.16	1.13	
2/14/2018	11.09	12.03	0.94	0.75	
2/20/2018	10.78	12.61	1.83	1.5	
2/26/2018	10.2	12.09	1.89	2	

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
12/8/2017	14.11	16.03	1.92	2.13	
12/13/2017	14.11	16.01	1.9	2	
12/19/2017	14.11	16	1.89	2	
12/28/2017	14.19	15.94	1.75	1.63	
1/3/2018	14.15	15.94	1.79	2	
1/10/2018	14.21	16.02	1.81	2	
1/18/2018	13.97	15.54	1.57	1.5	
1/25/2018	13.96	15.32	1.36	1.75	
1/30/2018	13.9	15.21	1.31	1.5	
2/8/2018	11.39	12.55	1.16	1.5	
2/14/2018	13.66	14.49	0.83	1.13	
2/20/2018	13.49	13.91	0.42	0.63	
2/26/2018	12.92	13.55	0.63	0.5	

**Metro-North Railroad Free Product Recovery Report**

Metro-North Yard: Harmon (OU I)    Well ID: FA4-15R    Diameter: 4 in.

<b>Date</b>	<b>Depth to Free Product (ft)</b>	<b>Depth to Water (ft)</b>	<b>Free Product Thickness (ft)</b>	<b>Free Product Recovered (gal)</b>	<b>Comments</b>
12/8/2017	11.21	11.81	0.6	0.75	
12/13/2017	11.26	11.72	0.46	0.5	
12/19/2017	11.25	11.61	0.36	0.25	
12/28/2017	11.27	11.73	0.46	0.63	
1/3/2018	11.26	11.71	0.45	0	
1/10/2018	11.36	12.02	0.66	0.63	
1/18/2018	10.96	12.13	1.17	1.88	
1/25/2018	10.95	11.99	1.04	1.13	
1/30/2018	10.87	11.61	0.74	0.75	
2/8/2018	10.86	11.52	0.66	1	
2/14/2018	10.54	11.31	0.77	0.88	
2/20/2018	10.34	10.86	0.52	0.5	
2/26/2018	9.85	9.98	0.13	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
12/8/2017	15.31	16.17	0.86	0.75	
12/13/2017	15.36	16.05	0.69	0.75	
12/19/2017	15.38	15.97	0.59	0.5	
12/28/2017	15.42	16.28	0.86	0.88	
1/3/2018	15.35	16.1	0.75	0.5	
1/10/2018	15.42	16.3	0.88	0.75	
1/18/2018	15.09	16.31	1.22	0.88	
1/25/2018	15.1	16.18	1.08	1	
1/30/2018	14.99	15.81	0.82	0.75	
2/8/2018	14.95	15.96	1.01	0.75	
2/14/2018	14.74	15.31	0.57	0.63	
2/20/2018	0	14.61	0	0	
2/26/2018	0	14.16	0	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
12/8/2017	11.48	11.51	0.03	0	drum 0.07 ft
12/13/2017	11.5	11.55	0.05	0	drum 0.05 ft
12/19/2017	11.5	11.51	0.01	0	drum 0.05 ft
12/28/2017	11.56	11.58	0.02	0	drum 0.09 ft
1/3/2018	11.5	11.51	0.01	0	drum 0.1 ft
1/10/2018	11.63	11.64	0.01	0	drum 0.11 ft
1/18/2018	11.29	11.36	0.07	0	drum 0.16 ft
1/25/2018	11.15	12.67	1.52	0	drum 0.1 ft
1/30/2018	11.01	12.7	1.69	0	drum 0.18 ft
2/8/2018	11.15	11.16	0.01	0	drum 0.27 ft
2/14/2018	10.83	10.86	0.03	0	drum 0.38 ft
2/20/2018	10.61	10.78	0.17	0	drum 0.42 ft
2/26/2018	10.05	10.2	0.15	0	drum 0.41 ft

\*Measured height of Free Product accumulated in drum. Height of drum is assumed to be 2.5 ft and equal to approximately 50 gallons. Comment on 11/28/2017 stated 'drum 0.06 ft'. Total amount of Free Product Recovered = 7 gallons



**Metro-North Railroad Free Product Recovery Report**

Metro-North Yard: Harmon (OU I)    Well ID: FA4-18    Diameter: 4 in.

<b>Date</b>	<b>Depth to Free Product (ft)</b>	<b>Depth to Water (ft)</b>	<b>Free Product Thickness (ft)</b>	<b>Free Product Recovered (gal)</b>	<b>Comments</b>
12/8/2017	13.78	14.71	0.93	0.75	
12/13/2017	13.85	14.59	0.74	0.75	
12/19/2017	13.84	14.6	0.76	1	
12/28/2017	13.87	14.94	1.07	1.25	
1/3/2018	13.81	14.67	0.86	1	
1/10/2018	13.89	15.08	1.19	1.25	
1/18/2018	13.63	14.47	0.84	0.75	
1/25/2018	13.62	14.43	0.81	0.63	
1/30/2018	13.65	13.95	0.3	0	
2/8/2018	13.49	14.09	0.6	0.5	
2/14/2018	13.26	13.54	0.28	0	
2/20/2018	13.02	13.36	0.34	0.38	
2/26/2018	12.62	12.68	0.06	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
2/14/2018	12.29	12.62	0.33	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
12/8/2017	14.67	15.22	0.55	0	
1/25/2018	14.48	14.71	0.23	0	
2/14/2018	14.14	14.17	0.03	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
12/8/2017	13.84	14.01	0.17	0	
1/25/2018	13.73	13.98	0.25	0	
2/14/2018	13.53	13.57	0.04	0	

**Metro-North Railroad Free Product Recovery Report**

Metro-North Yard: Harmon (OU I)    Well ID: PGW-2    Diameter: 2 in.

<b>Date</b>	<b>Depth to Free Product (ft)</b>	<b>Depth to Water (ft)</b>	<b>Free Product Thickness (ft)</b>	<b>Free Product Recovered (gal)</b>	<b>Comments</b>
12/8/2017	7.99	9.51	1.52	0.5	
12/13/2017	8.02	9.85	1.83	0.5	
12/19/2017	8.02	9.91	1.89	0.25	
12/28/2017	7.81	9.52	1.71	0.38	
1/3/2018	8.02	9.75	1.73	0.5	
1/10/2018	8.18	10.01	1.83	0.5	
1/18/2018	7.26	8.11	0.85	0.5	
1/25/2018	7	7.99	0.99	0.25	
1/30/2018	6.8	7.46	0.66	0.25	
2/8/2018	6.6	7.48	0.88	0.25	
2/14/2018	5.99	6.85	0.86	0.13	
2/20/2018	5.58	6.58	1	0.25	
2/26/2018	4.91	5.21	0.3	0	

**Metro-North Railroad Free Product Recovery Report**

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

<b>Date</b>	<b>Depth to Free Product (ft)</b>	<b>Depth to Water (ft)</b>	<b>Free Product Thickness (ft)</b>	<b>Free Product Recovered (gal)</b>	<b>Comments*</b>
12/8/2017	15.73	15.77	0.04	0	drum 2.18 ft
12/13/2017	15.7	15.75	0.05	0	drum 2.30 ft full, changed
12/18/2017	0	0	0	0	dry 11.40 ft
12/28/2017	15.78	15.82	0.04	0	drum 0.13 ft
1/3/2018	15.7	15.85	0.15	0	drum 0.2 ft
1/10/2018	15.71	16.62	0.91	0	drum 0.22 ft. Spill Buster off, line frozen
1/18/2018	15.33	16.62	1.29	0	drum 0.21 ft. line frozen
1/25/2018	15.39	16.69	1.3	0	drum 0.22 ft
1/30/2018	15.5	16.2	0.7	0	drum 0.25 ft
2/8/2018	15.25	16.46	1.21	0	drum 0.26 ft
2/14/2018	14.94	15.69	0.75	0	drum 0.28 ft
2/20/2018	14.93	15.14	0.21	0	drum 0.27 ft
2/26/2018	14.3	14.65	0.35	0	drum 0.27 ft

\*Measured height of Free Product accumulated in drum. Height of drum is assumed to be 2.5 ft and equal to approximately 50 gallons. Comment on 11/28/2017 stated 'drum 1.95 ft'.  
Total amount of Free Product Recovered = 16.4 gallons

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
2/14/2018	0	8.5	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
12/8/2017	10.51	11.86	1.35	0.25	
12/13/2017	10.61	11.65	1.04	0.75	
12/19/2017	10.55	11.42	0.87	0.75	
12/28/2017	10.59	11.66	1.07	1	
1/3/2018	10.54	11.42	0.88	0.88	
1/10/2018	10.65	11.86	1.21	0.75	
1/18/2018	10.31	11.19	0.88	0.75	
1/25/2018	10.36	11.31	0.95	0.88	
1/30/2018	10.17	10.72	0.55	0.75	
2/8/2018	10.25	11.05	0.8	0.75	
2/14/2018	9.95	10.33	0.38	0.5	
2/20/2018	9.82	10.14	0.32	0.5	
2/26/2018	9.31	9.53	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
2/14/2018	7.79	7.82	0.03	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
12/8/2017	8.78	8.82	0.04	0	
1/25/2018	7.42	7.43	0.01	0	
2/14/2018	7.02	7.07	0.05	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
12/8/2017	9.04	9.66	0.62	0.5	
1/25/2018	8.32	8.61	0.29	0	
2/14/2018	8.42	8.65	0.23	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
12/8/2017	9.28	10.37	1.09	0.88	
1/25/2018	8.66	8.7	0.04	0	
2/14/2018	8.11	8.12	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
12/14/2018	12.71	13.98	1.27	1.00	

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
2/14/2018	0	13.43	0.00	0	

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
2/14/2018	0	14.17	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
12/8/2017	9.59	11.64	2.05	0	
12/13/2017	9.65	11.7	2.05	0	
12/19/2017	9.63	11.89	2.26	0	
12/28/2017	9.63	11.41	1.78	0	
1/3/2018	9.61	11.29	1.68	0	
1/10/2018	9.67	11.86	2.19	0	
1/18/2018	9.51	10.43	0.92	0	
1/25/2018	9.47	10.28	0.81	0	
1/30/2018	9.44	9.81	0.37	0	
2/8/2018	9.38	9.68	0.3	0	
2/14/2018	9.06	9.27	0.21	0	
2/20/2018	0	8.83	0	0	
2/26/2018	8.31	8.32	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
12/8/2017	9.54	11.98	2.44	0	
12/13/2017	9.51	12.02	2.51	0	
12/19/2017	9.62	12.07	2.45	0	
12/28/2017	9.47	11.96	2.49	0	
1/3/2018	9.57	11.91	2.34	0	
1/10/2018	9.61	12.32	2.71	0	
1/18/2018	9.28	11.49	2.21	0	
1/25/2018	9.14	11.22	2.08	0	
1/30/2018	9.22	11.25	2.03	0	
2/8/2018	9.26	11.18	1.92	0	
2/14/2018	8.78	10.14	1.36	0	
2/20/2018	8.62	9.38	0.76	0	
2/26/2018	0	8.2	0	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
12/8/2017	0	9.6	0	0	
12/13/2017	0	9.65	0	0	
12/19/2017	0	9.77	0	0	
12/28/2017	0	9.63	0	0	
1/3/2018	0	9.66	0	0	
1/10/2018	0	9.81	0	0	
1/18/2018	0	9.33	0	0	
1/25/2018	0	9.18	0	0	
1/30/2018	0	9.19	0	0	
2/8/2018	0	9.04	0	0	
2/14/2018	0	8.27	0	0	
2/20/2018	0	7.84	0	0	
2/26/2018	0	7.25	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
12/8/2017	9.68	12.02	2.34	0	
12/13/2017	9.72	12.08	2.36	0	
12/19/2017	9.69	12.02	2.33	0	
12/28/2017	9.71	12.04	2.33	0	
1/3/2018	9.75	12.06	2.31	0	
1/10/2018	9.82	12.19	2.37	0	
1/18/2018	9.49	11.46	1.97	0	
1/25/2018	9.51	11.13	1.62	0	
1/30/2018	9.36	11.22	1.86	0	
2/8/2018	9.44	11.06	1.62	0	
2/14/2018	9.13	10.24	1.11	0	
2/20/2018	8.95	10.04	1.09	0	
2/26/2018	8.39	8.87	0.48	0	

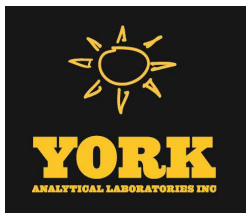
Metro-North Railroad Free Product Recovery Report					
Metro-North Yard: Harmon (OU II) Well ID: OUII-E Diameter: 1 in.					
Date	Depth to Free Product (ft)	Depth to Water (ft)	Free Product Thickness (ft)	Free Product Recovered (gal)	Comments
12/8/2017	0	10.07	0	0	
12/13/2017	0	9.95	0	0	
12/19/2017	0	9.95	0	0	
12/28/2017	0	9.93	0	0	
1/3/2018	0	9.88	0	0	
1/10/2018	0	10.02	0	0	
1/18/2018	0	9.66	0	0	
1/25/2018	0	9.58	0	0	
1/30/2018	0	9.4	0	0	
2/8/2018	0	9.48	0	0	
2/14/2018	0	9.11	0	0	
2/20/2018	0	8.97	0	0	
2/26/2018	0	8.34	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
12/8/2017	7.3	9.63	2.33	0	
12/13/2017	7.36	9.78	2.42	0	
12/19/2017	7.32	10	2.68	0	
12/28/2017	7.63	10.82	3.19	0	
1/3/2018	7.28	10.19	2.91	0	
1/10/2018	7.46	10.65	3.19	0	
1/18/2018	6.35	8.14	1.79	0	
1/25/2018	6.04	8.02	1.98	0	
1/30/2018	6.03	6.82	0.79	0	
2/8/2018	5.76	6.95	1.19	0	
2/14/2018	5.26	5.61	0.35	0	
2/20/2018	4.83	5.52	0.69	0	
2/26/2018	4.06	4.85	0.79	0	



**ATTACHMENT B**

**Laboratory Reports: Oil Drum Samples**



# Technical Report

prepared for:

## **Metro North Commuter Railroad**

525 North Broadway  
White Plains NY, 10603  
**Attention: Karen L. Timko**

Report Date: 02/14/2018  
**Client Project ID: OUII Well # AI 2-3#2 Oil Sample**  
York Project (SDG) No.: 18B0246

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE  
www.YORKLAB.com

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
ClientServices@yorklab.com

Report Date: 02/14/2018  
Client Project ID: OUII Well # AI 2-3#2 Oil Sample  
York Project (SDG) No.: 18B0246

**Metro North Commuter Railroad**  
525 North Broadway  
White Plains NY, 10603  
Attention: Karen L. Timko

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 08, 2018 and listed below. The project was identified as your project: **OUII Well # AI 2-3#2 Oil Sample**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18B0246-01	Well # AI 2-3#2	Oil	02/07/2018	02/08/2018

## **General Notes for York Project (SDG) No.: 18B0246**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 02/14/2018





### Sample Information

**Client Sample ID:** Well # AI 2-3#2

**York Sample ID:** 18B0246-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18B0246	OUII Well # AI 2-3#2 Oil Sample	Oil	February 7, 2018 12:00 pm	02/08/2018

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	5.00	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	02/13/2018 09:24	02/13/2018 23:38	LAB
11104-28-2	Aroclor 1221	ND		mg/kg	5.00	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	02/13/2018 09:24	02/13/2018 23:38	LAB
11141-16-5	Aroclor 1232	ND		mg/kg	5.00	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	02/13/2018 09:24	02/13/2018 23:38	LAB
53469-21-9	Aroclor 1242	ND		mg/kg	5.00	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	02/13/2018 09:24	02/13/2018 23:38	LAB
12672-29-6	Aroclor 1248	ND		mg/kg	5.00	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	02/13/2018 09:24	02/13/2018 23:38	LAB
11097-69-1	Aroclor 1254	ND		mg/kg	5.00	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	02/13/2018 09:24	02/13/2018 23:38	LAB
11096-82-5	Aroclor 1260	ND		mg/kg	5.00	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	02/13/2018 09:24	02/13/2018 23:38	LAB
1336-36-3	* Total PCBs	ND		mg/kg	5.00	1	EPA 8082A Certifications:	02/13/2018 09:24	02/13/2018 23:38	LAB

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	59.0 %	30-150
2051-24-3	Surrogate: Decachlorobiphenyl	74.5 %	30-150



## Sample and Data Qualifiers Relating to This Work Order

### Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



**ATTACHMENT C**

**Hazardous Waste Manifest**



ENVIRONMENTAL

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

DID: 53592

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYD084006477</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>CHIEF DISPATCHER 212-340-2050</b>	4. Manifest Tracking Number <b>015069569 JJK</b>	
5. Generator's Name and Mailing Address <b>METRO NORTH RAILROAD C/O ENVIRONMENTAL DEPT 525 NORTH BROADWAY WHITE PLAINS, NY 10603</b> Generator's Phone: <b>914-461-0593 ATTN:GATI STIJE</b>				Generator's Site Address (if different than mailing address) <b>METRO NORTH RAILROAD-HARMON YD 100 CROTON HARMON YARDS CROTON ON HUDSON, NY 10520</b>		
6. Transporter 1 Company Name <b>FREEHOLD CARTAGE, INC.</b>				U.S. EPA ID Number <b>NID054126164</b>		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address <b>CLEAN HARBORS DEER PARK LP 2027 INDEPENDENCE PARKWAY SOUTH DEER PARK, TX 77571</b> Facility's Phone: <b>281-930-2360</b>				U.S. EPA ID Number <b>TXD055141378</b>		
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
<b>X</b>	<b>1. RQ UN2315, POLYCHLORINATED BIPHENYLS, LIQUID 9, PG III</b>	<b>8</b>	<b>DM</b>	<b>1270</b>	<b>K</b>	<b>OUTS 2191</b>
14. Special Handling Instructions and Additional Information <b>1.) OIL FROM OU-2(CH41986WTS) ERGR171 WTS ORDER # 70578</b>						
15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name <b>Cathy Perry</b>				Signature <i>Cathy Perry</i>		Month Day Year <b>1 23 18</b>
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____ Transporter signature (for exports only): _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <b>M Kohut</b>				Signature <i>M Kohut</i>		Month Day Year <b>1 23 18</b>
Transporter 2 Printed/Typed Name				Signature		Month Day Year
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____						
18b. Alternate Facility (or Generator)						U.S. EPA ID Number
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator)						Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.	2.	3.	4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a.						
Printed/Typed Name				Signature		Month Day Year

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY