VIA ELECTRONIC MAIL

March 7, 2025

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 7
615 Erie Boulevard West
Syracuse, New York 13204-2400
Attn: Karen A. Cahill, Project Manager

Subject: **Former Emerson Power Transmission (EPT), Ithaca, NY Site No. 755010**
Quarterly Free Product Surveillance Report No. 034 – Third and Fourth Quarter 2024
620 South Aurora Street, Ithaca, New York

Dear Karen:

On behalf of Emerson, WSP USA Inc. is submitting Quarterly Free Product Surveillance Report No. 034 for the former Emerson Power Transmission site in Ithaca, New York. This report summarizes the semi-annual free product monitoring and recovery activities for the third and fourth quarters of 2024 at the groundwater wells shown on enclosed Figure 1. This includes wells that have historically been included with the free product monitoring and recovery activities (MW-8B, LBA-MW-35, LBA-MW-39, MW-47A, LBA-MW-08 and LBA-MW-18).

Free product recovery is conducted using free product absorbent socks at each location and bailers, where appropriate. Absorbent socks are typically replaced quarterly. Following the retrieval of the free product absorbent socks, a new free product absorbent sock is typically deployed at each location to collect the free product. During the third and fourth quarters of 2024, new free product socks were only deployed at locations with at least 0.01 feet of measurable free product.

THIRD QUARTER 2024 SUMMARY

Quarterly groundwater elevation and light-phase free product monitoring, as well as redeployment of new absorbent socks, for the third quarter of 2024 was completed on July 30, 2024. New absorbent socks were only redeployed at locations with at least 0.01 feet of measurable free product, which included LBA-MW-35.

FOURTH QUARTER 2024 SUMMARY

Quarterly groundwater elevation and light-phase free product monitoring, as well as redeployment of new absorbent socks, for the fourth quarter of 2024 was completed on October 29, 2024. New absorbent socks were only redeployed at locations with at least 0.01 feet of measurable free product, which included LBA-MW-08, LBA-MW-35, and LBA-MW-39.

FREE PRODUCT MONITORING & RECOVERY

MW-8B FREE PRODUCT MONITORING & RECOVERY

Free product was not detected in MW-8B during either event (July and October). In total, no free product was recovered during this reporting period; a total of 21.06 gallons of free product has been removed since recovery was initiated in August 2016 (Table 1).

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LBA-MW-35 FREE PRODUCT MONITORING & RECOVERY

Free product was detected in LBA-MW-35 with an apparent thickness of 0.02 feet during the July event and an apparent thickness of 0.01 feet during the October event. In total, 0.32 gallons of free product were recovered during this reporting period; a total of 16.19 gallons of free product have been removed since recovery was initiated in October 2018 (Table 2).

LBA-MW-39 FREE PRODUCT MONITORING & RECOVERY

Free product was not detected in LBA-MW-39 during the July event. Measurable free product was detected with an apparent thickness of 0.01 feet during the October event. In total, 0.12 gallons of free product was recovered during this reporting period; a total of 8.23 gallons of free product have been removed since recovery was initiated in October 2018 (Table 3).

MW-47A FREE PRODUCT MONITORING & RECOVERY

Free product was not detected in MW-47A during either event (July and October). In total, no free product was recovered during this reporting period; a total of 1.93 gallons of free product have been removed since recovery was initiated in September 2022 (Table 4).

LBA-MW-08 FREE PRODUCT MONITORING & RECOVERY

Free product was not detected in LBA-MW-08 during the July event. Measurable free product was detected with an apparent thickness of 0.01 feet during the October event. In total, no free product was recovered during this reporting period; a total of 0.38 gallons of free product have been removed since recovery was initiated in August 2023 (Table 5).

LBA-MW-18 FREE PRODUCT MONITORING & RECOVERY

Free product was not detected in LBA-MW-18 during either event (July or October). In total, no product was recovered during this reporting period; a total of 0.13 gallons of free product have been removed since recovery was initiated in August 2023 (Table 6).

Subsequent semi-annual reports will continue to provide updates on the free product monitoring and recovery at groundwater wells that have free product present.

Please do not hesitate to contact me at (813) 520-4340 with any questions or concerns.

Sincerely yours,

Jeffrey Baker
Assistant Vice President

Scott Haitz
Senior Vice President

KGG:JRB
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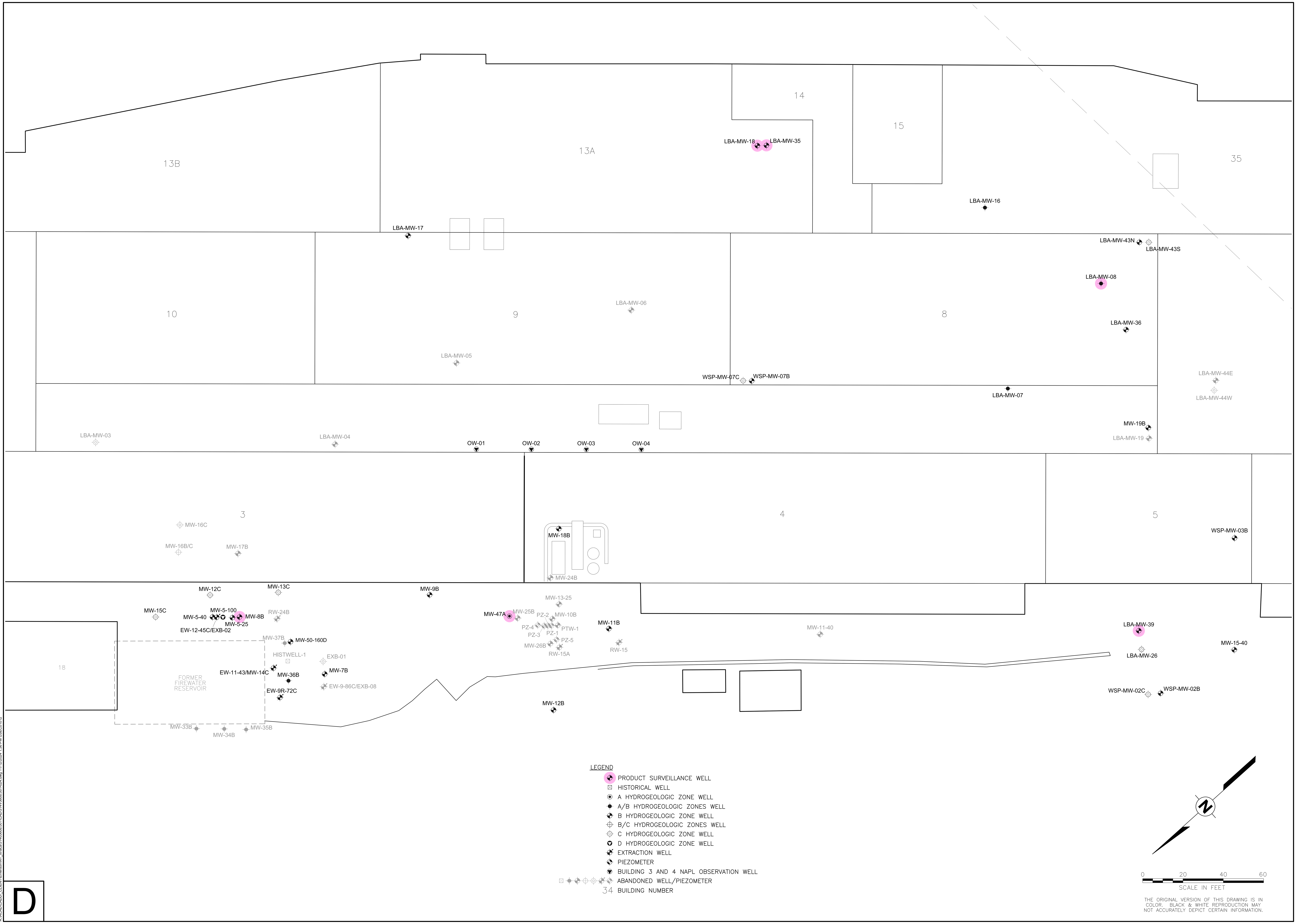
Enclosures

cc/encl.: Anthony Perretta, NYSDOH
Steve Clarke, Emerson

FIGURE



13B
13A
14
15
35
10
9
8
3
4
5
18
LBA-MW-18
LBA-MW-35
LBA-MW-16
LBA-MW-17
LBA-MW-43N
LBA-MW-43S
LBA-MW-08
LBA-MW-06
LBA-MW-36
LBA-MW-05
WSP-MW-07C
WSP-MW-07B
LBA-MW-07
LBA-MW-44E
LBA-MW-44W
LBA-MW-03
LBA-MW-04
OW-01
OW-02
OW-03
OW-04
MW-19B
LBA-MW-19
MW-16C
MW-16B/C
MW-17B
MW-18B
MW-24B
WSP-MW-03B
MW-12C
MW-13C
MW-9B
MW-15C
MW-5-40
MW-5-100
MW-8B
MW-5-25
EW-12-45C/EXB-02
RW-24B
MW-37B
MW-50-160D
HISTWELL-1
EXB-01
MW-7B
EW-11-43/MW-14C
MW-36B
EW-9R-72C
EW-9-86C/EXB-08
FORMER FIREWATER RESERVOIR
MW-33B
MW-34B
MW-35B
MW-47A
MW-25B
MW-13-25
PZ-2
MW-10B
PZ-4
PTW-1
PZ-3
PZ-1
PZ-5
MW-26B
RW-15A
MW-11B
RW-15
MW-11-40
MW-12B
LBA-MW-39
LBA-MW-26
MW-15-40
WSP-MW-02C
WSP-MW-02B
LEGEND
PRODUCT SURVEILLANCE WELL
HISTORICAL WELL
A HYDROGEOLOGIC ZONE WELL
A/B HYDROGEOLOGIC ZONES WELL
B HYDROGEOLOGIC ZONE WELL
B/C HYDROGEOLOGIC ZONES WELL
C HYDROGEOLOGIC ZONE WELL
D HYDROGEOLOGIC ZONE WELL
EXTRACTION WELL
PIEZOMETER
BUILDING 3 AND 4 NAPL OBSERVATION WELL
ABANDONED WELL/PIEZOMETER
34 BUILDING NUMBER
N
0 20 40 60
SCALE IN FEET
THE ORIGINAL VERSION OF THIS DRAWING IS IN COLOR. BLACK & WHITE REPRODUCTION MAY NOT ACCURATELY DEPICT CERTAIN INFORMATION.
D

REVISIONS

REV	DESCRIPTION

DRAWN BY EGC 11/12/2024
CHECKED JRB

PRODUCT SURVEILLANCE WELLS

FORMER EMERSON POWER TRANSMISSION
ITHACA, NEW YORK

PREPARED FOR
EMERSON
ST. LOUIS, MISSOURI

WSP USA Inc.
13530 DULLES TECHNOLOGY DR, SUITE 300
HERNDON, VA 20171
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FIGURE 1

Drawing Number
314V5608.001-024

TABLES

Table 1

Product Monitoring and Removal Summary - MW-8B
Former Emerson Power Transmission Facility
Ithaca, New York
Third and Fourth Quarter 2024 (a)

Well Identification:	**MW-8B**
Casing Diameter (inches):	**4**
Top of Casing (ft amsl):	**586.64**
Total Depth (ft bgs):	**21.3**

Date	Depth to Product (ft btoc)	Depth to Water (ft btoc, b)		Apparent Product Thickness (feet)	Apparent Product Volume (gallons)	Groundwater Elevation (ft amsl)	Product Removal (gallons)				Water Removed (gallons)	
		Measured	Corrected				Bailer	Absorbent Sock	Total Quarterly	Total Cumulative	Total Quarterly	Total Water Bailed
Prior to Third Quarter 2024	-	-	-	-	-	-	-	-	0.16	21.06	0.02	2.09
July 30, 2024	NM	9.01	9.01	-	-	577.63	0.00	0.00	0.00	21.06	0.00	2.09
October 29, 2024	NM	9.11	9.11	-	-	577.53	0.00	0.00	0.00	21.06	0.00	2.09

a/ Abbreviations: ft = feet; amsl = above mean sea level; bgs = below ground surface; btoc = below top of casing; "-" = not applicable, NM - no free product detected.
b/ All depth to water measurements were corrected to account for the depression caused by the weight of the light phase free product. For correction of the depth to water, the free phase product specific gravity of 0.90 was used.

Table 2

Product Monitoring and Removal Summary - LBA-MW-35
Former Emerson Power Transmission Facility
Ithaca, New York
Third and Fourth Quarter 2024 (a)

Well Identification:	**LBA-MW-35**
Casing Diameter (inches):	**2**
Top of Casing (ft amsl):	**612.59**
Total Depth (ft bgs):	**32.0**

Date	Depth to Product (ft btoc)	Depth to Water (ft btoc, b)		Apparent Product Thickness (feet)	Apparent Product Volume (gallons)	Groundwater Elevation (ft amsl)	Product Removal (gallons)				Water Removed (gallons)	
		Measured	Corrected				Bailer	Absorbent Sock	Total Quarterly	Total Cumulative	Total Quarterly	Total Water Bailed
Prior to Third Quarter 2024	-	-	-	-	-	-	-	-	0.47	15.86	0.05	1.59
July 30, 2024	7.28	7.30	7.28	0.02	0.003	605.31	0.00	0.08	0.08	15.95	0.01	1.59
October 29, 2024	8.13	8.14	8.13	0.01	0.002	604.46	0.00	0.24	0.24	16.19	0.02	1.62

a/ Abbreviations: ft = feet; amsl = above mean sea level; bgs = below ground surface; btoc = below top of casing; "-" = not applicable, NM - no free product detected.

b/ All depth to water measurements were corrected to account for the depression caused by the weight of the light phase free product. For correction of the depth to water, the free phase product specific gravity of 0.90 was used.

Table 3

Product Monitoring and Removal Summary - LBA-MW-39
Former Emerson Power Transmission Facility
Ithaca, New York
Third and Fourth Quarter 2024 (a)

Well Identification:	**LBA-MW-39**
Casing Diameter (inches):	**2**
Top of Casing (ft amsl):	**582.61**
Total Depth (ft bgs):	**25.5**

Date	Depth to Product (ft btoc)	Depth to Water (ft btoc, b)		Apparent Product Thickness (feet)	Apparent Product Volume (gallons)	Groundwater Elevation (ft amsl)	Product Removal (gallons)				Water Removed (gallons)	
		Measured	Corrected				Bailer	Absorbent Sock	Total Quarterly	Total Cumulative	Total Quarterly	Total Water Bailed
Prior to Third Quarter 2024	-	-	-	-	-	-	-	-	0.00	8.11	0.00	0.81
July 30, 2024	NM	14.03	14.03	-	-	-14.03	0	0.12	0.12	8.23	0.01	0.82
October 29, 2024	14.18	14.19	14.18	0.01	0.002	-14.18	0	0.00	0.00	8.23	0.00	0.82

a/ Abbreviations: ft = feet; amsl = above mean sea level; bgs = below ground surface; btoc = below top of casing; "-" = not applicable, NM - no free product detected.

b/ All depth to water measurements were corrected to account for the depression caused by the weight of the light phase free product. For correction of the depth to water, the free phase product specific gravity of 0.90 was used.

Table 4

Product Monitoring and Removal Summary - MW-47A
Former Emerson Power Transmission Facility
Ithaca, New York
Third and Fourth Quarter 2024 (a)

Well Identification:	**MW-47A**
Casing Diameter (inches):	**4**
Top of Casing (ft amsl):	**586.70**
Total Depth (ft bgs):	**18.75**

Date	Depth to Product (ft btoc)	Depth to Water (ft btoc, b)		Apparent Product Thickness (feet)	Apparent Product Volume (gallons)	Groundwater Elevation (ft amsl)	Product Removal (gallons)				Water Removed (gallons)	
		Measured	Corrected				Bailer	Absorbent Sock	Total Quarterly	Total Cumulative	Total Quarterly	Total Water Bailed
Prior to Third Quarter 2024	-	-	-	-	-	-	-	-	0.00	1.93	0.00	0.19
July 30, 2024	NM	11.72	11.72	-	-	574.98	0	0.00	0.00	1.93	0.00	0.19
October 29, 2024	NM	11.79	11.79	-	-	574.91	0	0.00	0.00	1.93	0.00	0.19

a/ Abbreviations: ft = feet; amsl = above mean sea level; bgs = below ground surface; btoc = below top of casing; "-" = not applicable, NM - no free product detected.

b/ All depth to water measurements were corrected to account for the depression caused by the weight of the light phase free product. For correction of the depth to water, the free phase product specific gravity of 0.90 was used.

Table 5

Product Monitoring and Removal Summary - LBA-MW-08
Former Emerson Power Transmission Facility
Ithaca, New York
Third and Fourth Quarter 2024 (a)

Well Identification:	**LBA-MW-08**
Casing Diameter (inches):	**2**
Top of Casing (ft amsl):	**600.06**
Total Depth (ft bgs):	**18.4**

Date (c)	Depth to Product (ft btoc)	Depth to Water (ft btoc, b)		Apparent Product Thickness (feet)	Apparent Product Volume (gallons)	Groundwater Elevation (ft amsl)	Product Removal (gallons)				Water Removed (gallons)	
		Measured	Corrected				Bailer	Absorbent Sock	Total Quarterly	Total Cumulative	Total Quarterly	Total Water Bailed
Prior to Third Quarter 2024	-	-	-	-	-	-	-	-	0.00	0.38	0.00	0.04
July 30, 2024	NM	6.92	5.52	-	-	594.54	0.00	0.00	0.00	0.38	0.00	0.04
October 29, 2024	9.55	9.56	5.52	0.01	0.002	594.54	0.00	0.00	0.00	0.38	0.00	0.04

a/ Abbreviations: ft = feet; amsl = above mean sea level; bgs = below ground surface; btoc = below top of casing; "-" = not applicable, NM - no free product detected.

b/ All depth to water measurements were corrected to account for the depression caused by the weight of the light phase free product. For correction of the depth to water, the free phase product specific gravity of 0.90 was used.

Table 6

Product Monitoring and Removal Summary - LBA-MW-18
Former Emerson Power Transmission Facility
Ithaca, New York
Third and Fourth Quarter 2024 (a)

Well Identification:	**LBA-MW-18**
Casing Diameter (inches):	**2**
Top of Casing (ft amsl):	**615.23**
Total Depth (ft bgs):	**13.4**

Date (c)	Depth to Product (ft btoc)	Depth to Water (ft btoc, b)		Apparent Product Thickness (feet)	Apparent Product Volume (gallons)	Groundwater Elevation (ft amsl)	Product Removal (gallons)				Water Removed (gallons)	
		Measured	Corrected				Bailer	Absorbent Sock	Total Quarterly	Total Cumulative	Total Quarterly	Total Water Bailed
Prior to Third Quarter 2024	-	-	-	-	-	-	-	-	0.00	0.13	0.00	0.01
July 30, 2024	NM	6.92	6.92	-	-	608.31	0.00	0.00	0.00	0.13	0.00	0.01
October 29, 2024	NM	7.36	7.36	-	-	607.87	0.00	0.00	0.00	0.13	0.00	0.01

a/ Abbreviations: ft = feet; amsl = above mean sea level; bgs = below ground surface; btoc = below top of casing; "-" = not applicable, NM - no free product detected.

b/ All depth to water measurements were corrected to account for the depression caused by the weight of the light phase free product. For correction of the depth to water, the free phase product specific gravity of 0.90 was used.