5.11

Tables

TABLE 5.11-1
SUMMARY OF GROUND WATER ELEVATIONS AND APPARENT LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS
IAOC L - SLUDGE LAGOON OPERABLE UNIT

EXXONMOBIL ENVIRONMENTAL AND PROPERTY SOLUTIONS COMPANY / BAYWAY REFINERY COMPLEX
LINDEN, NEW JERSEY

Well ID	Date	Location within SLOU Relative to Barrier Wall	Top of Casing Elevation (FMSL)	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected GW Elevation (FMSL)
PAIRED WELLS							
GMW-602	1/12/2022	Interior Perimeter	16.56	14.27	ND	0.00	2.29
GMW-603	1/12/2022	Exterior Perimeter	13.97	8.88	ND	0.00	5.09
GMW-604	1/12/2022	Interior Perimeter	17.66	14.44	14.4	0.04	3.26
GMW-605	1/12/2022	Exterior Perimeter	13.62	8.62	ND	0.00	5.00
GMW-606A	1/12/2022	Interior Perimeter	16.93	8.58	8.32	0.26	8.58
GMW-607	1/12/2022	Exterior Perimeter	13.85	4.59	ND	0.00	9.26
GMW-608	1/12/2022	Interior Perimeter	20.30	NA*	17.44	NA*	2.86*
GMW-609	1/12/2022	Exterior Perimeter	13.77	9.18	ND	0.00	4.59
GMW-610	1/12/2022	Interior Perimeter	19.19	16.57	ND	0.00	2.62
GMW-611	1/12/2022	Exterior Perimeter	13.75	7.48	ND	0.00	6.27
GMW-612	1/12/2022	Interior Perimeter	13.65	8.58	ND	0.00	5.07
GMW-613	1/12/2022	Exterior Perimeter	11.72	NG	NG	NG	NG
GMW-614	1/12/2022	Interior Perimeter	25.17	20.60	ND	0.00	4.57
GMW-615	1/12/2022	Exterior Perimeter	14.71	7.10	7.08	0.02	7.63
GMW-616	1/12/2022	Interior Perimeter	21.71	17.30	ND	0.00	4.41
GMW-617	1/12/2022	Exterior Perimeter	13.94	5.50	ND	0.00	8.44
GMW-618	1/12/2022	Interior Perimeter	15.79	11.80	ND	0.00	3.99
GMW-619	1/12/2022	Exterior Perimeter	13.68	5.55	ND	0.00	8.13
GMW-622	1/12/2022	Interior Perimeter	20.02	16.81	16.79	0.02	3.23
GMW-623	1/12/2022	Exterior Perimeter	12.24	NG	NG	NG	NG
GMW-37	1/12/2022	Interior Perimeter	15.85	14.51	ND	0.00	1.34
GMW-56	1/12/2022	Exterior Perimeter	11.62	5.78	ND	0.00	5.84
UNPAIRED WELLS							
GMW-37B	1/12/2022	Interior Bedrock	16.46	12.49	ND	0.00	3.97
GMW-61	1/12/2022	Other	9.17	4.95	ND	0.00	4.22
GMW-62	1/12/2022	Other	8.63	4.25	ND	0.00	4.38
GMW-63R	1/12/2022	Other	9.43	6.49	ND	0.00	2.94
GMW-65R	1/12/2022	Other	14.07	9.25	ND	0.00	4.82
GMW-65BR	1/12/2022	Other Bedrock	13.24	9.28	ND	0.00	3.96
GMW-66	1/12/2022	Other	10.05	5.70	ND	0.00	4.35
GMW-67	1/12/2022	Other	9.58	4.98	ND	0.00	4.60
GMW-180R	1/12/2022	Other	12.29	6.03	ND	0.00	6.26
GMW-258	1/12/2022	Other	9.64	4.54	ND	0.00	5.10
GMW-259	1/12/2022	Other	9.78	5.18	ND	0.00	4.60
GMW-260	1/12/2022	Other	8.70	4.61	ND	0.00	4.09
GMW-261	1/12/2022	Other	10.22	5.58	ND	0.00	4.64
GMW-262	1/12/2022	Other	6.79	4.14	ND	0.00	2.65
GMW-263	1/12/2022	Other	11.24	3.97	ND	0.00	7.27
GMW-600	1/12/2022	Interior Perimeter	22.13	15.18	ND	0.00	6.95
GMW-601	1/12/2022	Exterior Perimeter	19.02	15.90	ND	0.00	3.12
GMW-621	1/12/2022	Exterior Perimeter	12.92	NG	NG	NG	NG
GMW-624	1/12/2022	Interior	19.13	NA*	12.22	NA*	6.91*
GMW-625	1/12/2022	Interior	22.09	18.40	18.39	0.01	3.70
GMW-626	1/12/2022	Interior	26.28	23.52	22.56	0.96	3.62
GMW-627	1/12/2022	Interior	24.96	NA*	20.04	NA*	4.92*
GMW-628	1/12/2022	Interior	20.87	16.59	ND	0.00	4.28
GMW-629	1/12/2022	Interior	21.96	17.64	ND	0.00	4.32
GMW-630	1/12/2022	Interior	23.65	18.87	18.85	0.02	4.80
GMW-631	1/12/2022	Interior	28.60	24.57	23.02	1.55	5.43
GMW-632	1/12/2022	Interior	29.00	23.91	23.89	0.02	5.11
GMW-633	1/12/2022	Interior	25.73	NA*	22.45	NA*	3.28*
GMW-634	1/12/2022	Interior	20.86	14.61	14.60	0.01	6.26
GMW-635	1/12/2022	Interior	23.01	17.15	17.05	0.10	5.95
GMW-636	1/12/2022	Interior	22.29	14.49	13.93	0.56	8.30
SLOU-P-1	1/12/2022	Interior Trench	17.97	20.44	20.26	0.18	-2.31
SLOU-P-2	1/12/2022	Interior Trench	18.61	15.37	ND	0.00	3.24
SLOU-P-3	1/12/2022	Interior Trench	16.02	12.18	ND	0.00	3.84
SLOU-P-4	1/12/2022	Interior Trench	16.23	NG	NG	NG	NG
SLOU-P-5	1/12/2022	Interior Trench	18.23	18.67	18.66	0.01	-0.43
SLOU-P-6	1/12/2022	Interior Trench	22.31	17.13	16.98	0.15	5.32
SLOU-P-7	1/12/2022	Interior Trench	22.91	15.42	ND	0.00	7.49
SLOU-P-8	1/12/2022	Interior Trench	18.06	17.71	ND	0.00	0.35
SLOU-P-9	1/12/2022	Interior Trench	15.73	18.59	ND	0.00	-2.86
SLOU-P-10	1/12/2022	Interior Trench	16.00	12.54	ND	0.00	3.46
SLOU-P-11	1/12/2022	Interior Trench	16.62	12.37	ND	0.00	4.25
SLOU-P-12	1/12/2022	Interior	20.02	NA*	15.17	NA*	4.85*
SLOU-P-13	1/12/2022	Interior	20.51	NA*	12.73	NA*	7.78*

TABLE 5.11-1
SUMMARY OF GROUND WATER ELEVATIONS AND APPARENT LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS
IAOC L - SLUDGE LAGOON OPERABLE UNIT

EXXONMOBIL ENVIRONMENTAL AND PROPERTY SOLUTIONS COMPANY / BAYWAY REFINERY COMPLEX
LINDEN, NEW JERSEY

Well ID	Date	Location within SLOU Relative to Barrier Wall	Top of Casing Elevation (FMSL)	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected GW Elevation (FMSL)
UNPAIRED WELLS (CONTINUED)							
SLOU-P-14	1/12/2022	Interior	20.56	11.01	ND	0.00	9.55
SLOU-P-15	1/12/2022	Interior Trench	17.47	15.99	15.97	0.02	1.50
SLOU-P-16	1/12/2022	Interior	26.15	NA*	21.79	NA*	4.36*
SLOU-P-17	1/12/2022	Interior	26.06	22.26	20.42	1.84	5.46
SLOU-P-18	1/12/2022	Interior	26.05	25.26	20.92	4.34	4.70
SLOU-P-19	1/12/2022	Interior	26.37	NA*	26.45	NA*	-0.08*
SLOU-P-20	1/12/2022	Interior	29.54	24.81	ND	0.00	4.73
SLOU-P-20I	1/12/2022	Interior Till	29.17	24.92	ND	0.00	4.25
SLOU-P-21	1/12/2022	Interior	24.26	19.86	19.11	0.75	5.08
SLOU-P-21I	1/12/2022	Interior Till	24.72	20.62	ND	0.00	4.10
SLOU-P-22	1/12/2022	Interior	20.20	NA*	12.39	NA*	7.81*
SLOU-P-22I	1/12/2022	Interior Till	20.20	16.93	ND	0.00	3.27
SLOU-P-23	1/12/2022	Interior	25.32	18.02	17.48	0.54	7.79
SLOU-P-23I	1/12/2022	Interior Till	25.46	21.82	ND	0.00	3.64
SLOU-P-24	1/12/2022	Interior Trench	17.17	16.11	16.11	FILM	1.06
SLOU-P-25	1/12/2022	Interior Trench	17.60	NG	NG	NG	NG
SLOU-P-26	1/12/2022	Interior Trench	18.33	18.47	18.00	0.47	0.28
SLOU-P-27	1/12/2022	Interior Trench	17.90	18.20	18.19	0.01	-0.29
SLOU-P-28	1/12/2022	Interior Trench	18.56	19.00	18.88	0.12	-0.33
SLOU-P-29	1/12/2022	Interior Trench	20.39	18.19	18.18	0.01	2.21
SLOU-P-30	1/12/2022	Interior Trench	22.50	NA*	17.63	NA*	4.87*
SLOU-P-31	1/12/2022	Interior Trench	17.69	14.93	ND	0.00	2.76
SLOU-P-32	1/12/2022	Interior Trench	17.43	17.10	17.09	0.01	0.34
SLOU-P-33	1/12/2022	Interior Trench	15.35	17.96	17.94	0.02	-2.59
SLOU-P-34	1/12/2022	Interior Trench	16.23	18.62	ND	0.00	-2.39
SLOU-P-36	1/12/2022	Interior Trench	14.53	13.60	13.59	0.01	0.94
SLOU-P-37	1/12/2022	Interior Trench	22.02	17.84	17.50	0.34	4.49
SLOU-P-38	1/12/2022	Interior Trench	23.60	20.35	20.34	0.01	3.26
SLOU-P-39	1/12/2022	Interior Trench	24.07	19.47	19.45	0.02	4.62
SLOU-P-40	1/12/2022	Interior Trench	26.70	24.47	24.46	0.01	2.24
SLOU-P-41	1/12/2022	Interior Trench	18.65	19.71	19.71	FILM	-1.06
SLOU-P-42	1/12/2022	Interior Trench	19.93	20.34	ND	0.00	-0.41
SLOU-P-43	1/12/2022	Interior Trench	21.06	DRY	DRY	DRY	DRY
SLOU-P-44	1/12/2022	Interior Trench	19.39	DRY	DRY	DRY	DRY
SLOU-P-45	1/12/2022	Interior Trench	24.31	19.59	19.58	0.01	4.73
SLOU-P-46	1/12/2022	Interior Trench	17.00	17.12	ND	0.00	-0.12
SLOU-P-47	1/12/2022	Interior Trench	16.26	19.12	19.10	0.02	-2.84
BR-W	1/12/2022	Exterior Bedrock	13.18	8.95	ND	0.00	4.23
PRW-3	1/12/2022	Interior	28.42	24.12	23.23	0.89	5.10
PRW-4	1/12/2022	Interior	21.68	19.14	17.21	1.93	4.28
PRW-5	1/12/2022	Interior	29.01	25.03	25.01	0.02	4.00
PRW-7	1/12/2022	Interior	29.67	NA*	19.89	NA*	9.78*
SLOU-RS-1	1/12/2022	Interior	26.62	19.73	19.41	0.32	7.18
SLOU-RS-2	1/12/2022	Interior	20.59	15.80	15.79	0.01	4.80
SLOU-RS-3	1/12/2022	Interior	18.24	9.49	ND	0.00	8.75
SLOU-RS-4	1/12/2022	Interior	19.75	6.89	ND	0.00	12.86
SLOU-RS-5	1/12/2022	Interior	22.31	14.92	13.16	1.76	8.97
SLOU-RS-6	1/12/2022	Interior	25.00	17.89	ND	0.00	7.11
SLOU-SUMP-A	1/12/2022	Interior Trench	16.17	18.52	ND	0.00	-2.35
SLOU-SUMP-B	1/12/2022	Interior Trench	14.73	14.76	ND	0.00	-0.03
SLOU-SUMP-C	1/12/2022	Interior Trench	17.37	17.75	ND	0.00	-0.38
SLOU-SUMP-D	1/12/2022	Interior Trench	15.95	NA*	15.56	NA*	0.39*
SLOU-SUMP-E	1/12/2022	Interior Trench	14.28	14.08	ND	0.00	0.20
SLOU-SUMP-F	1/12/2022	Interior Trench	16.33	14.80	ND	0.00	1.53
EX-A0	1/12/2022	Interior Trench	18.30	NA*	20.02	NA*	-1.72*
EX-A1	1/12/2022	Interior Trench	20.22	20.88	19.98	0.90	0.15
EX-A2	1/12/2022	Interior Trench	20.35	NA*	22.38	NA*	-2.03*
EX-A3	1/12/2022	Interior Trench	18.19	22.26	ND	0.00	-4.07
EX-B0	1/12/2022	Interior Trench	16.69	20.61	ND	0.00	-3.92
EX-B1	1/12/2022	Interior Trench	16.98	17.35	17.00	0.35	-0.06
EX-B2	1/12/2022	Interior Trench	17.75	16.35	16.3	0.05	1.45
EX-B3	1/12/2022	Interior Trench	20.11	18.90	18.55	0.35	1.53
EX-C0	1/12/2022	Interior Trench	17.40	22.10	20.99	1.11	-3.70
EX-C1	1/12/2022	Interior Trench	20.14	18.01	18.00	0.01	2.14
EX-D0	1/12/2022	Interior Trench	18.09	20.90	20.38	0.52	-2.34
EX-D1	1/12/2022	Interior Trench	18.71	21.85	21.85	FILM	-3.14

TABLE 5.11-1
SUMMARY OF GROUND WATER ELEVATIONS AND APPARENT LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS
IAOC L - SLUDGE LAGOON OPERABLE UNIT

EXXONMOBIL ENVIRONMENTAL AND PROPERTY SOLUTIONS COMPANY / BAYWAY REFINERY COMPLEX
LINDEN, NEW JERSEY

Well ID	Date	Location within SLOU Relative to Barrier Wall	Top of Casing Elevation (FMSL)	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected GW Elevation (FMSL)
UNPAIRED WELLS (CONTINUED)							
EX-D2	1/12/2022	Interior Trench	22.95	21.98	ND	0.00	0.97
EX-E0	1/12/2022	Interior Trench	15.99	NA*	18.96	NA*	-2.97*
EX-E1	1/12/2022	Interior Trench	15.39	18.93	ND	0.00	-3.54
EX-E2	1/12/2022	Interior Trench	16.06	22.95	21.12	1.83	-5.24
EX-E3	1/12/2022	Interior Trench	16.47	22.35	ND	0.00	-5.88
EX-F0	1/12/2022	Interior Trench	26.80	NA*	25.28	NA*	1.52*
EX-F1	1/12/2022	Interior Trench	24.11	26.13	24.58	1.55	-0.63
EX-F2	1/12/2022	Interior Trench	23.66	21.61	18.91	2.70	4.48
EX-F3	1/12/2022	Interior Trench	23.11	20.35	19.20	1.15	3.80

Notes:

GW	Ground water
FMSL	Feet above mean sea level
LNAPL	Light non-aqueous phase liquid
ND	Not detected
DRY	Ground water was not present in the well at the time of gauging
FILM	Apparent LNAPL thickness less than 0.01 feet
NG	Not gauged - well not accessible at the time of the event
NA	Not available
*	Unable to determine depth to water and LNAPL thickness due to LNAPL viscosity. Corrected ground water elevation is approximate, with the actual elevation lower than or equal to the elevation shown.
Other	Wells listed as Other are exterior to SLOU barrier wall and outside of the SLOU IAOC boundary

If LNAPL is detected, Ground Water Elevation is corrected using the following formula:

Corrected Ground Water Elevation = (Top of Casing Elevation - Depth to Water) + (Specific Gravity x Apparent LNAPL Thickness)

Specific Gravity = 0.90

TABLE 5.11-2
SUMMARY OF GROUND WATER ELEVATIONS AND APPARENT LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS
SUPPLEMENTAL GAUGING AND LIGHT NON-AQUEOUS PHASE LIQUID RECOVERY EVENTS
IAOC L - SLUDGE LAGOON OPERABLE UNIT

EXXONMOBIL ENVIRONMENTAL AND PROPERTY SOLUTIONS / BAYWAY REFINERY COMPLEX
LINDEN, NEW JERSEY

Monitoring Well ID	Date	Top of Casing Elevation (FMSL)	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Corrected GW Elevation (FMSL)	LNAPL Recovery Event[1]
GMW-39	2/23/2022	12.06	5.84	ND	0.00	6.22	Sock Inspected
	4/1/2022	12.06	5.85	ND	0.00	6.21	Sock Inspected
	4/21/2022	12.06	4.91	4.91	FILM	7.15	Sock Inspected
	6/15/2022	12.06	5.22	5.22	FILM	6.84	Sock Inspected
GMW-615	2/23/2022	14.71	7.26	6.98	0.28	7.70	Vacuum Truck
	4/1/2022	14.71	6.80	6.68	0.12	8.02	Vacuum Truck
	4/21/2022	14.71	7.14	7.12	0.02	7.59	Vacuum Truck
	6/15/2022	14.71	7.41	7.41	FILM	7.30	None

Notes:

FMSL Feet above mean sea level
LNAPL Light non-aqueous phase liquid
GW Ground water
ND Not detected
FILM Apparent LNAPL Thickness less than 0.01 feet

Monitoring well GMW-39 is located in the Tremley Tankfield (IAOC D1) but is used to evaluate ground water conditions at the southern end of the Sludge Lagoon Operable Unit (IAOC L).

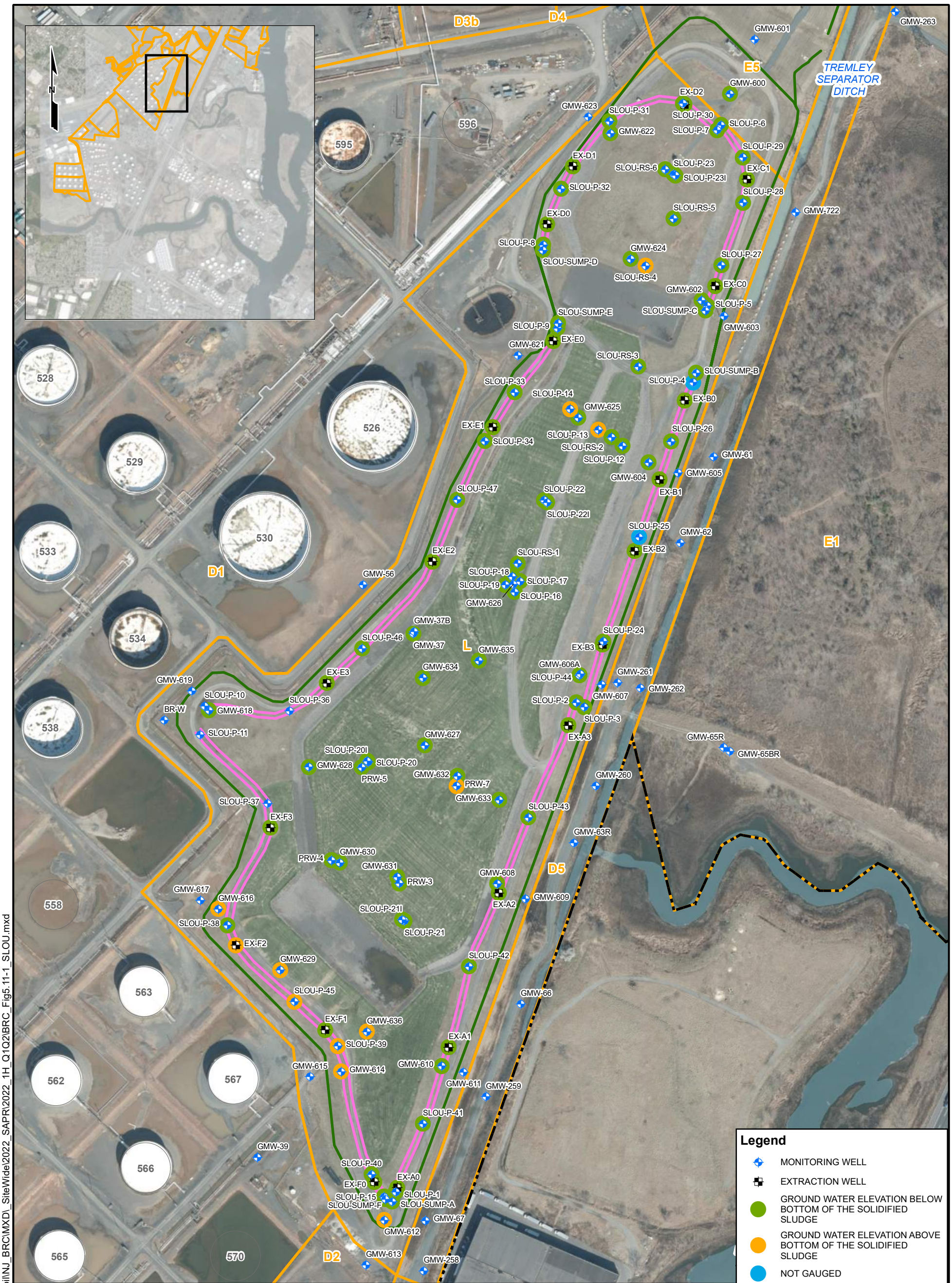
[1] Gauging data collected prior to LNAPL recovery event conducted on same day

If LNAPL is detected, Ground Water Elevation is corrected using the following formula:

Corrected Ground Water Elevation = (Top of Casing Elevation - Depth to Water) + (Specific Gravity x Apparent LNAPL Thickness)

Specific Gravity = 0.90

Figures



REFERENCES

1. MAP AND WATER BODY LIMITS DERIVED FROM FIGURE ENTITLED "WETLAND DELINEATION SURVEY, BAYWAY REFINERY, CITY OF LINDEN, UNION COUNTY, NEW JERSEY", PREPARED BY KELLER & KIRKPATRICK INC., DATED 9-3-15, LAST UPDATED 9-21-16.
2. BASE MAP TOPOGRAPHIC FEATURES TAKEN FROM A MAP PREPARED BY ATLANTIS AERIAL SURVEY CO., INC. FROM PHOTOGRAPHY DATED OCTOBER 3, 2003.

   HORIZONTAL DATUM: NAVD 1983
   VERTICAL DATUM: NGVD 1929
   DISTANCE MEASUREMENTS ARE EXPRESSED IN U.S. FEET
3. PROPERTY BOUNDARY DERIVED FROM METES AND BOUNDS TAKEN FROM SURVEY, PREPARED BY KELLER & KIRKPATRICK INC., DATED 3-1-93, LAST UPDATED 4-5-93.

NOTE

1. MONITORING WELLS SHOWN WITHOUT A GREEN, ORANGE, OR BLUE DESIGNATION ARE NOT INCLUDED IN THE MONITORING PROGRAM THAT IS DESIGNED TO EVALUATE GROUND WATER ELEVATION IN RELATION TO THE BOTTOM ELEVATION OF THE SOLIDIFIED SLUDGE.

225 112.5 0 225 Feet

1 inch = 225 feet

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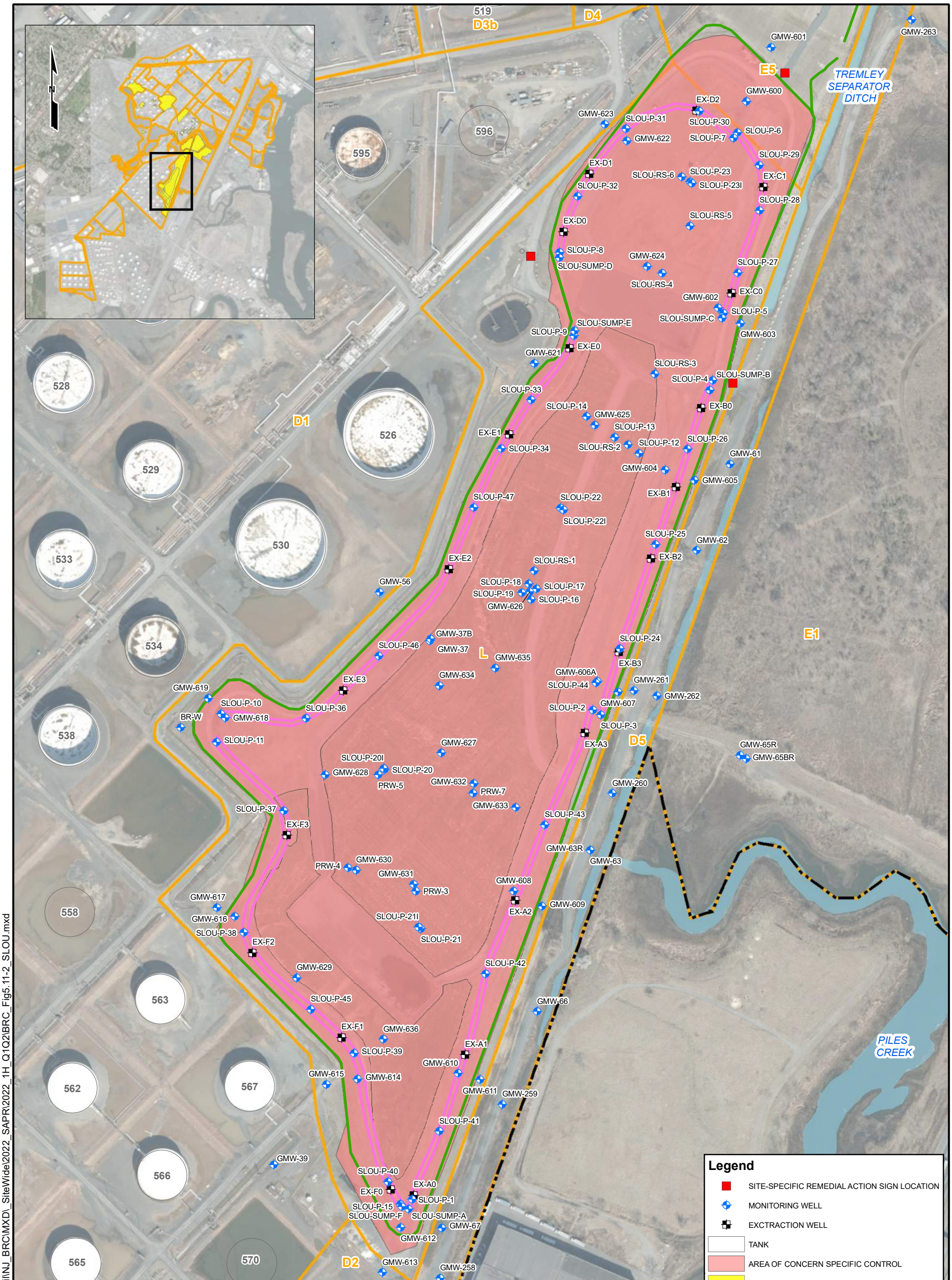
CHECKED BY:	T. DMYTROW
FILE NAME:	BRC_Fig5.11-1_SLOU.mxd

SLUDGE LAGOON OPERABLE UNIT
GROUND WATER LEVEL LOWERED BELOW THE BOTTOM OF THE SOLIDIFIED SLUDGE
JANUARY 12, 2022

BAYWAY REFINERY COMPLEX
LINDEN, NEW JERSEY
SEMIANNUAL PROGRESS REPORT
JANUARY THROUGH JUNE 2022

FIGURE
5.11-1

\\azrgisstorp01\GIS_Projects\Client\ExxonMobil\NJ_BRC\MXD_SiteWide\2022_SAPR\2022_1H_Q1Q2\BRC_Fig5.11-1_SLOU.mxd



REFERENCES

1. MAP AND WATER BODY LIMITS DERIVED FROM FIGURE ENTITLED "WETLAND DELINEATION SURVEY, BAYWAY REFINERY, CITY OF LINDEN, UNION COUNTY, NEW JERSEY", PREPARED BY KELLER & KIRKPATRICK INC., DATED 9-3-15, LAST UPDATED 9-21-16.
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   HORIZONTAL DATUM: NAVD 1983
   VERTICAL DATUM: NGVD 1929
   DISTANCE MEASUREMENTS ARE EXPRESSED IN U.S. FEET
3. PROPERTY BOUNDARY DERIVED FROM METES AND BOUNDS TAKEN FROM SURVEY, PREPARED BY KELLER & KIRKPATRICK INC., DATED 3-1-93, LAST UPDATED 4-5-93.

NOTES

1. IAOC DESIGNATION "H" INCLUDES SURFACE WATER BODIES WITHIN THE REFINERY UP TO THE CONFLUENCE OF THE ARTHUR KILL. THE ARTHUR KILL AND PILES CREEK ARE NOT INCLUDED AS AN IAOC.
2. IAOC BOUNDARY DESIGNATION LINES ABUTTING THE PROPERTY BOUNDARY SHALL BE CONSIDERED SYNONYMOUS WITH THE PROPERTY BOUNDARY.

225 112.5 0 225 Feet

1 inch = 225 feet

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PROJECT NO.	20223959
DRAWN:	9/20/2022
DRAWN BY:	S. WILLIAMS
CHECKED BY:	J. FERRARA
FILE NAME:	BRC_Fig5.11-2_SLOU.mxd

SLUDGE LAGOON OPERABLE UNIT (SLOU)
SOIL REMEDIAL ACTION LOCATION

BAYWAY REFINERY COMPLEX
LINDEN, NEW JERSEY
SEMIANNUAL PROGRESS REPORT
JANUARY THROUGH JUNE 2022

FIGURE
5.11-2

\\azrgisstorp01\GIS_Projects\Client\ExxonMobil\NJ_BRC\MXD_SiteWide\2022_SAPR\2022_1H_Q1Q2\BRC_Fig5.11-2_SLOU.mxd

Appendix C

NC

Form Approved. OMB No. 2050-0039

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N J D 0 6 2 0 3 7 0 3 1
2. Page 1 of: 1
3. Emergency Response Phone: (877) 818-0087
4. Manifest Tracking Number: 002060370 VES

GENERATOR

5. Generator's Name and Mailing Address: MAUREEN P. FORLENZA
EXXONMOBIL CORP, BW REF
1400 S PARK AVE BLDG 7
LINDEN, NJ 07036-1610
Generator's Phone: 703 963-7132

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: N J D 0 8 0 6 3 1 3 6 9

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

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS L.L.C.
1 EDEN LANE
FLANDERS, NJ 07836
Facility's Phone: 973 347-7111
U.S. EPA ID Number: N J D 9 8 0 5 3 6 5 9 3

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F037 (PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS)), 9, III	2 0	D M	6 0 0 0	P	F037		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: ER Service Contracted by VESTS -+- Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf -+- 1) W: 779500 A:VNJPTAVES024 FINAL DESTINATION: VEOLIA, PORT ARTHUR TX

10 DAY RECEIVED 3-02-22

BWSC #[illegible]

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: Maureen Forlenza
Signature: [signature] on behalf of Exxon Mobil Corp.
Month 0 3 Day 0 2 Year 2 2

INT'L

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

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible]
Signature: [signature]
Month 3 Day 2 Year 22

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
U.S. EPA ID Number

18b. Alternate Facility (or Generator)
Facility's Phone:
Month Day Year

18c. Signature of Alternate Facility (or Generator)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 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: Michael [illegible]
Signature: [signature]
Month 3 Day 4 Year 22

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.