



March 15, 2024

Project No. 31406585.016

Ms. Maureen Hatfield

Texas Commission on Environmental Quality
MC-127
VCP-CA Section, Team 1, Remediation Division
P.O. Box 13087
Austin, Texas 78711-3087

Re: **MONTHLY STATUS UPDATE – ENGLEWOOD INTERMODAL YARD – NAPL COLLECTION SYSTEM/CONCRETE CAP REPAIRS
UNION PACIFIC RAILROAD HOUSTON WOOD PRESERVING WORKS FACILITY
4910 LIBERTY ROAD FACILITY, HOUSTON, TEXAS
POST-CLOSURE CARE PERMIT NO. HW-50343; INDUSTRIAL SWR NO. 31547**

Dear Ms. Hatfield:

WSP USA Inc. (WSP), on behalf of Union Pacific Railroad Company (UPRR), is pleased to provide this monthly status update for February 2024 for inspections conducted at the Englewood Intermodal Yard concrete cap area within the UPRR Houston Wood Preserving Works Facility (the Site). Monthly status updates were requested by the Texas Commission on Environmental Quality (TCEQ) in a letter dated March 20, 2018.

A non-aqueous phase liquid (NAPL) Collection System was installed in the Englewood Intermodal Yard in January 2019 to address the tar-like substance seeps within parking stalls B100 to B109 (for container trailers). The following is a summary of the observations from the weekly inspections of the NAPL Collection System and Englewood Intermodal Yard concrete pavement near the collection system for February 2024 (photographs from the weekly inspections are provided in Attachment A):

- Water levels in NAPL Collection System Sump 1 (B099/B100 stalls), Sump 2 (B103/B104 stalls), and Sump 3 (B107/B108 stalls) were measured at 2, 18 and 16 inches from the tops of the manhole, respectively, for each NAPL Collection System Sump, during the inspection on February 7, 2024 (Photo Nos.13-15). During the February 14, 2024 inspection, Sump 1, Sump 2, and Sump 3 were measured at 6, 18, and 18 inches from the top of the manhole, respectively (Photo Nos. 28-30). On February 21, 2024, Sump 1, Sump 2, and Sump 3 were measured at 6, 14, and 13 inches from the top of the manhole, respectively (Photo Nos. 37-39). During the February 28, 2024 inspection, Sump 1, Sump 2, and Sump 3 each had 4, 14, and 15 inches of freeboard measured, respectively (Photo No. 58-60). On February 2, 2024, environmental remediation contractor, OMI, pumped down all three sumps (Photos No. 1-2) and transported the water to Delta Water Processing in Houston, TX for disposal. Final shipping documents from the event are included in Attachment B. During the February 2024 inspections, the water in Sump 1 was observed to be light brown in color and the water in

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Sumps 2 and 3 was observed to be clear. No sheen was observed in the sumps during the February inspections. No odors were reported during the February inspections.

- The NAPL Collection System Sumps 1, 2, and 3 have continued to be checked weekly for DNAPL using an interface probe. No measurable NAPL has been detected within the sumps using the interface probe through February 2024. Even though no measurable DNAPL was noted, a hoe has continued to be used to further evaluate the presence of and recover DNAPL, if present, from the bottom of each of the sumps during the weekly inspections. No DNAPL was encountered or recovered from the sumps during February 2024 weekly inspections. A notation on the presence of NAPL in each sump, tabulation of depth and thickness of NAPL if detected, and a tabulation of total mass of NAPL recovered from each sump is provided on the enclosed Table 1. Any NAPL recovered from the sumps is placed in a drum for disposal. The drum is staged at the Container Storage Area (CSA). The inflow protector was monitored for NAPL accumulation, and no accumulation was observed through February 2024.
- No new tar-like material seeps were observed along the concrete joint between the NAPL Collection System and the existing concrete at Stall B107 during the February 2024 inspections (Photo Nos. 12, 23, 56, 82).
- For areas outside the NAPL Collection System, a small amount of tar-like material was observed on the concrete or asphalt surface at the following locations during the February 2024 weekly inspections. The tar-like material was recovered from these locations when observed:

Seep Observations Outside the NAPL Collection System Area	
Stall Number	Observation Date(s)
B056	February 28 th (Photo No. 74)
B057	February 28 th (Photo No. 75)
B096	February 21 st and 28 th (Photo Nos. 51 and 77)
B100	February 21 st and 28 th (Photo Nos. 52 and 78)
Track 802	February 21 st (Photo No. 47)
RD-14	February 21 st (Photo No. 36)

Note: Seep observed next to Track 802 is approximately 280 feet northwest of the NAPL Collection System. Seep RD-14 is located within the concrete road area (RD-14) about 45 feet north of Track 802 and east of the existing Track 802 seep location.

- A small amount of staining was visible at stall A011 during the inspection on February 28th (Photo No. 63). This is the first occurrence of the brown staining/residue since the last pressure washing event on August 18, 2023. This location will be monitored for the presence of brown colored seep water in this area. If seep water or heavy staining is observed in this area during the upcoming inspections, UPRR will mobilize a remediation contractor pressure wash and/or collect the water in the areas where the brown staining and seeps are observed.
- During the February 2024 inspections, no NAPL seeps were observed at the seven July 2020 test pit locations (stalls A010, A021, A098, B013, B057, B096 and B108).
- A follow-up video camera survey of the stormwater sewer lines in the central area of the Englewood IM Yard was conducted on August 26, 2021 to evaluate the stormwater line near the test pit locations. Details of the

follow-up video survey and test pit evaluation will be provided in the Interim Measures Response Action Completion Report after the activities detailed in the Interim Measure Work Plan (discussed below) are completed.

- The TCEQ issued a comment letter dated January 26, 2022 titled “*Comments on Interim Groundwater Monitoring Report (July 2020), dated April 30, 2021 Englewood Intermodal Yard (EIY) Test Pit Evaluation Report, dated June 2, 2021, Corrective Action Monitoring Report, 2021 First Semi-Annual Event, dated July 9, 2021*”. In the comment letter, the TCEQ requested UPRR prepare an Interim Measures Work Plan (Work Plan) to address the NAPL seeps in the Englewood Intermodal Yard. The TCEQ requested that the Work Plan include a schedule and plan for implementation of additional interim measures to permanently address the NAPL seeps in the Englewood Intermodal Yard. UPRR submitted the requested Work Plan dated May 17, 2023 to the TCEQ on May 24, 2023. The TCEQ issued a comment letter dated July 5, 2023 on the Work Plan. UPRR submitted responses to the TCEQ comments and a Revised Work Plan on October 20, 2023. TCEQ approved the Revised Work Plan in a letter dated January 9, 2024. UPRR is currently in the remediation contractor bid process for conducting the scope of work detailed in the Revised Work Plan. A remediation contractor will be selected in March.

Weekly site inspections of the NAPL Collection System and Englewood Intermodal Yard concrete pavement near the collection system will continue to be conducted.

If you have any questions or need additional information, please feel free to call us at (512) 501-5547 or Mr. Kevin Peterburs of UPRR at (414) 267-4164.

Sincerely,

WSP USA Inc.

Catherine Mear
Consultant, Environmental Scientist

Chad Ireland, P.E.
Assistant Vice President - Civil Engineering



CC: Kevin Peterburs, UPRR – Milwaukee, WI
Karina Rocha, Waste Section Manager, TCEQ Region 12, Houston

Attachment Table 1 – NAPL Measurements – NAPL Collection System
Attachment A – Weekly Inspection Photolog
Attachment B – Waste Shipping Documentation

TABLE 1
NAPL Measurements - NAPL Collection System - Englewood Intermodal Yard
UPRR Houston, tx - Wood Preserving Works

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
8/14/2019	2.5	28	29	Not measurable	
8/21/2019	0	27.5	26.5	Not measurable	
8/28/2019	44.5	47.9	45	Not measurable	Water from sumps pumped out
9/4/2019	19	42	41.5	Not measurable	
9/13/2019	0	39.5	38	Not measurable	
9/20/2019	0	3	2.5	Not measurable	
9/25/2019	0	42	42.5	Not measurable	Water from sumps pumped out
10/2/2019	2.5	42.5	42	Not measurable	Sheen visible in B107/B108 sump, less than 0.1 gal of DNAPL recovered
10/9/2019	3	42	41.5	Not measurable	Sheen visible in B107/B108 sump, less than 0.1 gal of DNAPL recovered
10/16/2019	0	39.5	39	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
10/24/2019	3	35	25	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
10/29/2019	0	24	23	Not measurable	Water from sumps pumped out
10/30/2019	0	40	39	Not measurable	Slight sheen visible in B107/B108 sump
11/6/2019	9	39	38.5	Not measurable	
11/13/2019	7	30	29	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
11/19/2019	4	26	25.5	Not measurable	
11/27/2019	0	25	23	Not measurable	
12/3/2019	2	25.5	25	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
12/11/2019	1.5	17	16.54	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
12/17/2019	5	19.5	17.5	Not measurable	
12/23/2019	10	21	20.5	Not measurable	
1/7/2020	9	13	12.5	Not measurable	
1/8/2020	9	13	12.5	Not measurable	Water from sumps pumped out
1/17/2020	0	32	31.5	Not measurable	
1/21/2020	2.5	26.5	26	Not measurable	
1/28/2020	0	0	0	Not measurable	
2/4/2020	2	11	10.5	Not measurable	
2/12/2020	0	0	0	Not measurable	
2/18/2020	1.5	11.5	10.25	Not measurable	Water from sumps pumped out on 2/20/2020
2/27/2020	2	42	36	Not measurable	
3/6/2020	1	36	36	Not measurable	
3/11/2020	2	36	35.5	Not measurable	
3/18/2020	0	35.5	35	Not measurable	
3/27/2020	0	29	28	Not measurable	
4/3/2020	1.5	29	28.5	Not measurable	
4/8/2020	0	23	22	Not measurable	
4/15/2020	0.5	23	22	Not measurable	
4/21/2020	0	21	21	Not measurable	
4/28/2020	0	23	22	Not measurable	
5/4/2020	-	-	-	Not Measured	Measurements were not taken; the inspector was unable to open the sumps
5/12/2020	0	20	19	Not measurable	
5/19/2020	0	15.75	14.25	Not measurable	Sump 1 pumped down (May 22nd)
5/27/2020	0	14	13	Not measurable	
6/1/2020	0	7	5	Not measurable	
6/10/2020	0	10	9	Not measurable	
6/17/2020	1	12	11	Not measurable	
6/25/2020	0	0	0	Not measurable	
6/30/2020	0	0	0	Not measured	
7/1/2020	48	46	47	Not measurable	Sumps 1, 2, & 3 pumped down
7/8/2020	34	24.5	24	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
7/15/2020	32	29.5	29	Not measurable	Sheen visible in B99/B100 sump & B107/B108 sump, less than 0.1 gal of DNAPL recovered B107/B108 sump
7/23/2020	0	23	22.5	Not measured	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
7/31/2020	0	11	10	Not measurable	
8/5/2020	0	7	5	Not measurable	
8/13/2020	1	11	10	Not measurable	
8/19/2020	0	7	6	Not measurable	
8/26/2020	0	10	9	Not measurable	
9/2/2020	43	37	38	Not measurable	Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump
9/9/2020	28	37	36	Not measurable	Sheen visible in B107/B108 sump
9/15/2020	1	35	33	Not measurable	
9/23/2020	0	0	0	Not measurable	

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UPRR Houston, tx - Wood Preserving Works

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
9/30/2020	1	10	9	Not measurable	
10/8/2020	4	12	11.5	Not measurable	
10/15/2020	0	11	10.5	Not measurable	Less than 0.1 gal of DNAPL recovered B107/B108 sump
10/21/2020	1	10.5	9.25	Not measurable	
10/28/2020	0	11	10	Not measurable	
11/4/2020	9	13	12	Not measurable	
11/11/2020	0.5	12	11	Not measurable	
11/18/2020	3.5	13	12	Not measurable	
11/24/2020	7	14	13.5	Not measurable	
11/30/2020	2	7	6	Not measurable	
12/10/2020	5	10.5	10	Not measurable	
12/18/2020	4	10	9	Not measurable	
12/23/2020	1	9	7.5	Not measurable	
12/31/2020	0	4	3.5	Not measurable	
1/6/2021	4	10.5	9	Not measurable	
1/15/2021	43	39	37.5	Not measurable	Sumps 1, 2, & 3 pumped down
1/22/2021	0	34	33	Not measurable	Sheen visible in B107/B108 sump
1/29/2021	2	31	30	Not measurable	Sheen visible in B107/B108 sump
2/4/2021	4	30	29.5	Not measurable	Sheen visible in B099/B100 sump
2/10/2021	0	27	25.5	Not measurable	
2/17/2021	0	0	0	Not measurable	
2/24/2021	2	10	9.5	Not measurable	
3/2/2021	0	0	0	Not measurable	
3/10/2021	0	10	9.75	Not measurable	
3/17/2021	0	2	1	Not measurable	
3/24/2021	0	3.5	2	Not measurable	
3/31/2021	0	6.5	7	Not measurable	
4/8/2021	0	7.5	7	Not measurable	
4/14/2021	0	6.5	6	Not measurable	Less than 0.1 gal of DNAPL recovered B107/B108 sump; Sheen visible in B103/104 and B107/B108 sumps
4/21/2021	0.5	9	8.5	Not measurable	
4/28/2021	0	8.5	8	Not measurable	
5/5/2021	0	7.5	7	Not measurable	
5/12/2021	0	8	7.5	Not measurable	
5/19/2021	0	0	0	Not measurable	
5/26/2021	0	2	0.5	Not measurable	
5/27/2021	41	32	26	Not measurable	Sumps 1,2, & 3 pumped down
6/2/2021	0	40	38	Not measurable	Sheen visible in B107/108 sump
6/9/2021	0	30	28.5	Not measurable	
6/16/2021	0	24	25	Not measurable	
6/23/2021	0	12	13	Not measurable	
6/30/2021	0	3	1	Not measurable	
7/7/2021	0	0	0	Not measurable	
7/14/2021	0	0	0	Not measurable	Sumps 1,2, & 3 pumped down (July 15)
7/21/2021	0	39	37	Not measurable	
7/29/2021	0	37	35.5	Not measurable	
8/4/2021	0	36	34	Not measurable	Sheen visible in B103/104 and B107/B108 sumps
8/11/2021	0	33	32	Not Measured	Depth to DNAPL measurements were not taken; the interface probe was not functioning properly
8/18/2021	0	25	23	Not measurable	
8/25/2021	0	20	22	Not measurable	
9/1/2021	0	20	17	Not measurable	
9/8/2021	3	14	11	Not measurable	
9/15/2021	0	3	4	Not measurable	Sumps 1,2, & 3 pumped down (September 17)
9/22/2021	31.5	46	46	Not measurable	Sheen visible in B107/B108 sump
9/29/2021	0	29	30.75	Not measurable	Sheen visible in B103/104 and B107/B108 sumps
10/7/2021	6	18	17.5	Not measurable	
10/13/2021	3.6	10.56	9.72	Not measurable	Sheen visible in B103/104 and B107/B108 sumps; brown discoloration and slight odor noted B099/B100 sump
10/20/2021	0	13.94	12.6	Not measurable	Sumps 1,2, & 3 pumped down (October 21)
10/27/2021	0	22	21	Not measurable	Sheen visible in B099/B100 sump
11/3/2021	10	20	21	Not measurable	
11/10/2021	12	16	15	Not measurable	
11/17/2021	8	16	15	Not measurable	
11/24/2021	7	14	13	Not measurable	
12/1/2021	7	15	14	Not measurable	
12/8/2021	6	12.5	12	Not measurable	
12/15/2021	7	15	15	Not measurable	
12/22/2021	-	-	-	Not Measured	Partial site inspection conducted 12/22/21; Sump measurements were not taken
12/29/2021	0	11.5	11	Not measurable	
1/5/2022	8.75	13.5	12.25	Not measurable	

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Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
1/12/2022	6	12	12	Not measurable	
1/19/2022	13.5	17	16	Not measurable	Sheen visible in B099/B100 sump
1/27/2022	3	9	9	Not measurable	
2/2/2022	-	-	-	Not Measured	Measurements were not taken; the inspector was unable to open the sumps
2/9/2022	9	15	15	Not measurable	
2/16/2022	8.5	17	16	Not measurable	
2/23/2022	5.5	14	13.5	Not measurable	
3/2/2022	5.5	15	14	Not measurable	
3/9/2022	4.5	7	6	Not measurable	
3/16/2022	48	36	45	Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.5 gal of DNAPL recovered B107/B108 sump
3/23/2022	6	29	28	Not measurable	
3/30/2022	5.5	28	28	Not measurable	
4/6/2022	3.5	19	18	Not measurable	
4/13/2022	4.5	18	15	Not measurable	Sheen visible in B099/B100 sump
4/20/2022	5	18	18	Not measurable	Sheen visible in B099/B100 sump
4/27/2022	4.5	12	8.5	Not measurable	
5/4/2022	48	42	45	Not measurable	Sumps 1,2, & 3 pumped down during inspection; Sheen visible in B099/B100 sump
5/11/2022	16	44.5	44	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps
5/18/2022	6.5	45	45	Not measurable	
5/25/2022	0	25	24	Not measurable	
6/1/2022	5.5	24	24	Not measurable	
6/8/2022	5	22	22	Not measurable	Sheen visible in B099/B100 and B103/104 sumps
6/15/2022	5	25	24	Not measurable	
6/22/2022	4.5	24	21	Not measurable	
6/29/2022	6	21	21	Not measurable	
7/6/2022	5.5	13	13	Not measurable	
7/13/2022	5	15	14	Not measurable	Sheen visible in B099/B100 sump
7/20/2022	51.5	38	43.5	Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump
7/27/2022	4	42	40	Not measurable	
8/3/2022	5	39	39	Not measurable	
8/10/2022	5.5	38	38	Not measurable	Sheen visible in B107/B108 sump
8/17/2022	5.5	25.5	25	Not measurable	
8/24/2022	0	0.5	0	Not measurable	Inspector unable to open B099/B100 and B107/B108 sumps as there was standing water on top of the sumps due to ongoing rain event
8/31/2022	52	52	48	Not measurable	Sumps 1,2, & 3 pumped down during inspection; sheen visible in B103/B104 sump
9/7/2022	3	37	37	Not measurable	
9/14/2022	1	34	31	Not measurable	Sheen visible in B099/B100 sump
9/21/2022	2.2	31.5	27.5	Not measurable	Sheen visible in B107/B108 sump
9/28/2022	3	30	31	Not measurable	Sheen visible in B099/B100 and B107/B108 sumps
10/5/2022	8	33	33	Not measurable	Sheen visible in B099/B100 and B107/B108 sumps
10/12/2022	7	32	32	Not measurable	Sheen visible in B099/B100 and B107/B108 sumps
10/19/2022	48	48	48	Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered from B107/108 sump; small amount of DNAPL visible but not recoverable in B099/B100 sump; sheen visible in B099/B100 and B103/B104 sumps on recharge water after pumpdown
10/26/2022	6	46	45	Not measurable	Sheen visible in B107/B108 sump
11/2/2022	4	19	19	Not measurable	
11/9/2022	6	14	13	Not measurable	
11/16/2022	8	14	12	Not measurable	
11/22/2022	0	0	0	Not measurable	
11/30/2022	3	10	9	Not measurable	Very slight sheen visible in Sumps 1, 2, and 3; less than 0.2 gal of DNAPL recovered from B107/108 sump
12/7/2022	4	13.5	13	Not measurable	
12/14/2022	0	0	0	Not measurable	Replaced dipper tool with hoe for NAPL recovery from sumps. Less than 0.4 gal of DNAPL recovered from B099/B100 sump; approximately 0.1 gal of DNAPL recovered from B107/B108 sump
12/21/2022	4	8	7	Not measurable	
12/28/2022	16	14	14	Not measurable	
1/4/2023	3.5	7.5	6	Not measurable	
1/11/2023	12	12	3	Not measurable	
1/18/2023	3	13	13	Not measurable	
1/25/2023	3	6	5	Not measurable	

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Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
2/1/2023	<1	1	<1	Not measurable	
2/8/2023	5	13	12	Not measurable	
2/15/2023	<1	2	2.5	Not measurable	Sumps B099/B100, B103/B104, and B107/B108 pumped down during inspection
2/22/2023	32	42	43	Not measurable	Sheen visible in B099/B100, B103/B104, and B107/B108 sumps; water in B099/B100 noted as brown color with high turbidity
3/1/2023	9	41	40	Not measurable	Sheen visible in B099/B100, B103/B104, and B107/B108 sumps, water color in sumps noted as brown
3/8/2023	5	42	41	Not measurable	B099/B100 & B103/B104 light brown color
3/15/2023	4	42	41	Not measurable	B099/B100 and B103/B104 brown color; B107/B108 very light brown color
3/22/2023	8	26.5	25.5	Not measurable	B099/B100 light brown color
3/29/2023	3	24	25	Not measurable	B099/B100 light brown color
4/5/2023	2.5	25	25	Not measurable	B099/B100 light brown color
4/12/2023	4	12	14	Not measurable	All three sumps pumped down during inspection, B099/B100 brown color
4/19/2023	5	42	42	Not measurable	Sheen visible in B107/B108 sump
4/26/2023	4	31.5	31.5	Not measurable	Sheen visible in B107/B108 sump
5/3/2023	3	18	17.5	Not measurable	
5/10/2023	0	1.5	0	Not measurable	Sheen visible in B107/B108 sump
5/17/2023	0	2	0	Not measurable	Sheen visible in B107/B108 sump
5/24/2023	2	14	13	Not measurable	Pumpdown and boom swap.
5/31/2023	28	50	49	Not measurable	B099/B100 water color brown. B103/B104 and B107/B108 water color light brown.
6/7/2023	3	38	37	Not measurable	Sheen visible in all Sumps. B099/B100 water color brown and, light brown on both B103/B104 and B107/B108.
6/14/2023	4	38	37	Not measurable	Sheen Visible in B099/B100 & B107/B108. water color brown on B099/B100 & light brown in all other sumps.
6/21/2023	3	36	37	Not measurable	Sheen Visible in B107/B108. water color brown on B099/B100 & light brown in all other sumps.
6/28/2023	3	31	31	Not measurable	Sheen Visible in B099/B100 & B107/B108. water color dark brown on B099/B100 & B107/B108, light brown in B103/B104.
7/12/2023	3	20	19	Not measurable	Sheen Visible in B099/B100 and B107/B108. Water color brown on B099/B100, light brown in B103/B104.
7/19/2023	3	19	19	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and clear on B103/B104 and B107/B108.
7/26/2023	3	21	20	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100, light brown on B103/B104, and clear on B107/B108.
8/2/2023	0	16.5	15.5	Not measurable	Sheen Visible on B107/B108. Water color dark brown on B099/B100, light brown on B103/B104, and clear on B107/B108. Pumpdown conducted 8/4/2023.
8/9/2023	42	47	47	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100, light brown on B103/B104, and clear on B107/B108.
8/16/2023	38.5	47	47	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and light brown on B103/B104 and B107/B108.
8/23/2023	33	46	46	Not measurable	Sheen visible in all Sumps. B099/B100 water color dark brown and, light brown on both B103/B104 and B107/B108.
8/30/2023	33	46	44	Not measurable	Sheen visible in all Sumps. B099/B100 water color dark brown and, light brown on both B103/B104 and B107/B108.
9/6/2023	1	38	38	Not measurable	Sheen visible in all Sumps. B099/B100 water color light brown, and clear on both B103/B104 and B107/B108.
9/13/2023	0	33	33	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and clear on B103/B104 and B107/B108. Pumpdown conducted 9/15/2023.
9/20/2023	14	41	40	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and light brown on B103/B104 and B107/B108.
9/27/2023	0.5	33	34	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.

TABLE 1
NAPL Measurements - NAPL Collection System - Englewood Intermodal Yard
UPRR Houston, tx - Wood Preserving Works

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
10/4/2023	0	0	0	Not measurable	No sheen visible in all sumps. Water color brown on B099/B100 and light brown on B103/B104 and B107/B108. Heavy rains all week filled up sumps.
10/11/2023	0	0	0	Not measurable	Sheen visible on B103/B104. B099/B100 water color light brown, clear on B103/B104 and B107/B108. Heavy rains in the week filled up sumps. Pumpdown conducted 10/13/2023.
10/18/2023	46	48	47	Not measurable	Sheen visible on B099/B100 and B107/B108. Water color brown on B099/B100. Water color clear on B103/B104. Water color light brown on B107/B108.
10/25/2023	39	44	43	Not measurable	Sheen visible on B099/B100 and B107/B108. Water color dark brown on B099/B100 and light brown on B103/B104 and B107/B108.
11/1/2023	6.5	33	33	Not measurable	Sheen visible on B099/B100 and B107/B108. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/8/2023	12	34	33	Not measurable	Sheen visible on B099/B100. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/15/2023	2	6	5.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/22/2023	7	13	12	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/29/2023	5.5	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/6/2023	8	14	14	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/13/2023	5	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/20/2023	5	10	9	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/27/2023	6	13	11	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
1/3/2024	0	0	0	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
1/10/2024	5	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
1/17/2024	12	15.5	15	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
1/24/2024	0	0	0	Not measurable	No sheen observed in any of the sumps. Water color clear in all sumps.
1/31/2024	2	9.5	9	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
2/7/2024	2	18	16	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
2/14/2024	6	18	18	Not measurable	No sheen observed in any of the sumps. Water color clear on B099/B100, B103/B104 and B107/B108.
2/21/2024	6	14	13	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
2/28/2024	4	14	15	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.

Note:
Freeboard in sumps is measured as depth to water from top rim of sump, measured in inches



ATTACHMENT A

Weekly Inspection Photolog



PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
1

Inspection Date:
2/2/2024

Description:

NAPL Collection System Water Pump Down

Lat: 29.7844000
Long: - 95.3205861



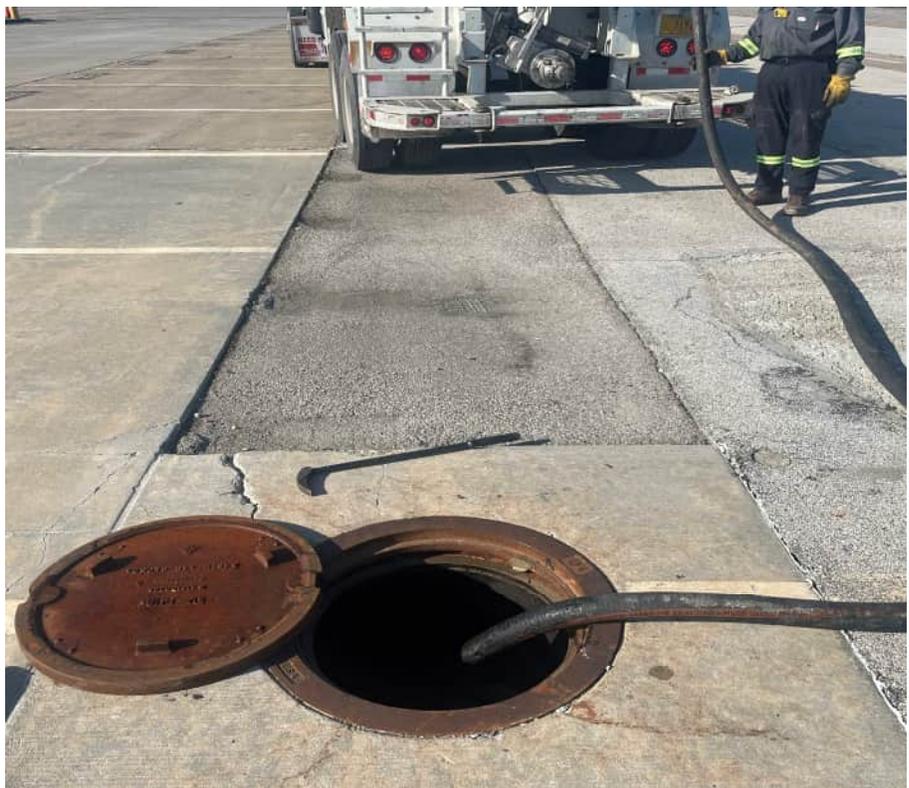
Photo No.
2

Inspection Date:
2/2/2024

Description:

NAPL Collection System Water Pump Down

Lat: 29.7844000
Long: - 95.3205861





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 3	Inspection Date: 2/7/2024
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Description:

Stall A022. No new tar-like material observed at historical seep location along asphalt crack.

Lat: 29.785378
Long: -95.318694



Photo No. 4	Inspection Date: 2/7/2024
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Description:

Stall A011. No tar-like material observed at historical seep location along asphalt crack.

Lat: 29.785467
Long: -95.318341





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 5	Inspection Date: 2/7/2024
Description: Stall B042. No new tar-like material observed at historical seep location along asphalt crack. Lat: 29.784923 Long: -95.319124	



Photo No. 6	Inspection Date: 2/7/2024
Description: Stall B056. No new tar-like material observed at historical seep location along asphalt crack. Lat: 29.784751 Long: -95.319532	





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 7	Inspection Date: 2/7/2024
Description: Stall B057 (joint), no tar-like material observed at historical seep location at Test Pit B057. Lat: 29.784747 Long: -95.319549	



Photo No. 8	Inspection Date: 2/7/2024
Description: Stall B102 (joint) no new tar-like material observed at historical seep site along concrete joint. Lat: 29.784197 Long: -95.320821	





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No.: 9	Inspection Date: 2/7/2024
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Description:

Stall B096, no new tar-like material observed at historical seep location along concrete joint at Test Pit B096.

Lat: 29.784276
Long: -95.320651



Photo No.: 10	Inspection Date: 2/7/2024
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Description:

Stall B100, no new tar-like material observed on concrete crack/hole in concrete.

Lat: 29.784236
Long: -95.320786





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No. 11	Inspection Date: 2/7/2024
Description: North side of Track 802, no new tar-like material observed at seep location near the edge of the ballast. Lat: 29.784947 Long: -95.321214	



Photo No. 12	Inspection Date: 2/7/2024
Description: Stall B107, no new tar-like material observed at seep location on concrete joint along the southern edge of the excavated area. Lat: 29.784137 Long: -95.32096	





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
13

Inspection Date:
2/7/2024

Description:

Sump 1 (B099/B100), 2 inches of freeboard in sump, no odor noted, no sheen observed, water color noted as tan.

Lat: 29.7844000
Long: - 95.3205861



Photo No.
14

Inspection Date:
2/7/2024

Description:

Sump 2 (B103/B104), 18 inches of freeboard in sump. No odor or sheen observed, color noted as clear.

Lat: 29.7842861
Long: - 95.3208611





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad **Site Location:** Englewood Intermodal Yard, Houston, Texas **Project No.:** 31406585.016

Photo No.: 15 **Inspection Date:** 2/7/2024

Description:
Sump 3 (B107/B108), 16 inches of freeboard in sump, no sheen observed, water color noted as clear.

Lat: 29.7844000
Long: - 95.3205861



Photo No.: 16 **Inspection Date:** 2/7/2024

Description:
RD-14 Seep location observed within the concrete road area north of Track 802 (east of existing Track 802 seep location), No new tar-like material observed along a concrete joint.

Lat: 29.785064
Long: -95.321219





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
17

Inspection Date:
2/14/2024

Description:

Stall B013. No seeps noted at Test Pit B013.

Lat: 29.78532
Long: -95.31833



Photo No.
18

Inspection Date:
2/14/2024

Description:

Stall B056. No new tar-like material observed at historical seep location along asphalt crack.

Lat: 29.7847472
Long: -95.3195417





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
19

Inspection Date:
2/14/2024

Description:

North side of Track 802, no new tar-like material observed at seep location near the edge of the ballast.

Lat: 29.784947
Long: -95.321214



Photo No.
20

Inspection Date:
2/14/2024

Description:

Stall A022. No new tar-like material observed at historical seep location along asphalt crack.

Lat: 29.785378
Long: -95.318694





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No.: 21	Inspection Date: 2/14/2024
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Description:

Stall B057, no new tar-like material observed along asphalt crack.

Lat: 29.784769
Long: -95.3195798



Photo No.: 22	Inspection Date: 2/14/2024
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Description:

Stall A011. No tar-like material observed at historical seep location along asphalt crack.

Lat: 29.785467
Long: -95.318341





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 23	Inspection Date: 2/14/2024
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Description:

Stall B107, no new tar-like material observed at seep location on concrete joint along the southern edge of the excavated area.

Lat: 29.784137
Long: -95.32096



Photo No. 24	Inspection Date: 2/14/2024
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Description:

Stall A010. No tar-like material observed at Test Pit A010 location.

Lat: 29.785517
Long: -95.31834





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.:
31406585.016

Photo No.:
25

Inspection Date:
2/14/2024

Description:
Stall B096, no new tar-like material observed at historical seep location along concrete joint.

Lat: 29.7842528
Long: -95.3206250



Photo No.:
26

Inspection Date:
2/14/2024

Description:
Stall B100, no new tar-like material observed at seep location along asphalt crack/ hole in the asphalt.

Lat: 29.7842528
Long: - 95.3206250





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
27

Inspection Date:
2/14/2024

Description:

Stall B105, no new tar-like material observed at the historical seep location along asphalt crack.

Lat: 29.784209
Long: -95.320943



Photo No.
28

Inspection Date:
2/14/2024

Description:

Sump 1 (B099/B100), 6 inches of freeboard in sump, no sheen observed, water color noted as clear.

Lat: 29.7844000
Long: - 95.3205861





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
29

Inspection Date:
2/14/2024

Description:

Sump 2 (B103/B104), 18 inches of freeboard in sump. No odor or sheen observed, color noted as clear.

Lat: 29.7842861
Long: - 95.3208611



Photo No.
30

Inspection Date:
2/14/2024

Description:

Sump 3 (B107/B108), 18 inches of freeboard in sump, no sheen observed, water color noted as clear.

Lat: 29.7844000
Long: - 95.3205861





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
31

Inspection Date:
2/14/2024

Description:

RD-14 Seep location observed within the concrete road area (RD-14) north of Track 802 (east of existing Track 802 seep location), no new tar-like material observed along a concrete joint.

Lat: 29.785064
Long: -95.321219



Photo No.
32

Inspection Date:
2/14/2024

Description:

Stall B042. No new tar-like material observed at historical seep location along concrete crack.

Lat: 29.784923
Long: -95.319124





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 33	Inspection Date: 2/14/2024
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Description:

Stalls A060 - A070, some residual staining previously observed along cracks in pavement. No new water seeps observed. Viewing southwest.

Lat: 29.784858
Long: -95.319733



Photo No. 34	Inspection Date: 2/14/2024
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Description:

Stall B102 (center), no tar-like material observed at seep location along cracks in pavement.

Lat: 29.784233
Long: -95.320847





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
35

Inspection Date:
2/14/2024

Description:

Stall A021. No seeps noted at Test Pit A021.

Lat: 29.785387
Long: -95.318654



Photo No.
36

Inspection Date:
2/21/2024

Description:

RD-14 Seep location observed within the concrete road area (RD-14) north of Track 802 (east of existing Track 802 seep location), some tar-like material observed along a concrete joint. The material was removed.

Lat: 29.785064
Long: -95.321219





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
37

Inspection Date:
2/21/2024

Description:

Sump 1 (B099/B100), 6 inches of freeboard in sump, no sheen observed, water color noted as light brown.

Lat: 29.7844000
Long: - 95.3205861



Photo No.
38

Inspection Date:
2/21/2024

Description:

Sump 2 (B103/B104), 14 inches of freeboard in sump. No odor or sheen observed, color noted as clear.

Lat: 29.7842861
Long: - 95.3208611





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
39

Inspection Date:
2/21/2024

Description:

Sump 3 (B107/B108), 13 inches of freeboard in sump, no sheen observed, water color noted as clear.

Lat: 29.7844000
Long: - 95.3205861



Photo No.
40

Inspection Date:
2/21/2024

Description:

Stall A010. No seeps noted at Test Pit A010.

Lat: 29.785517
Long: -95.31834





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 41	Inspection Date: 2/21/2024
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Description:

Stall A011. No tar-like material observed at historical seep location along asphalt crack.

Lat: 29.785467
Long: -95.318341



Photo No. 42	Inspection Date: 2/21/2024
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Description:

Stall A021. No seeps noted at Test Pit A021.

Lat: 29.785387
Long: -95.318654





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
43

Inspection Date:
2/21/2024

Description:

Stall A022, no new tar-like material observed at the seep location along the edge.

Lat: 29.78537
Long: - 95.31869



Photo No.
44

Inspection Date:
2/21/2024

Description:

Stall B013. No seeps noted at Test Pit B013.

Lat: 29.78532
Long:-95.31833





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 45	Inspection Date: 2/21/2024
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Description:

Stall B016. No tar-like material observed at historical seep location along asphalt crack.

Lat: 29.785271
Long: -95.31841



Photo No. 46	Inspection Date: 2/21/2024
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Description:

Stall B042. No new tar-like material observed at historical seep location along asphalt crack.

Lat: 29.784923
Long: -95.319124





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No.: 47	Inspection Date: 2/21/2024
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Description:

North side of Track 802, some tar-like material observed at seep location near the edge of the ballast, material removed.

Lat: 29.784947
Long: -95.321214



Photo No.: 48	Inspection Date: 2/21/2024
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Description:

Stall B056. No new tar-like material observed at historical seep location along asphalt crack.

Lat: 29.7847472
Long: -95.3195417





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 49	Inspection Date: 2/21/2024
Description: Stall B057, no new tar-like material observed and removed at seep location along asphalt crack. Lat: 29.784769 Long: -95.3195798	



Photo No. 50	Inspection Date: 2/21/2024
Description: Stalls A060 - A070, some residual staining previously observed along cracks in pavement. No new water seeps observed. Viewing southwest. Lat: 29.78484 Long: -95.31974	





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
51

Inspection Date:
2/21/2024

Description:

Stall B096, some tar-like material observed at historical seep location along concrete joint, material removed.

Lat: 29.7842528
Long: -95.3206250



Photo No.
52

Inspection Date:
2/21/2024

Description:

Stall B100, some tar-like material observed at seep location along asphalt crack/ hole in the asphalt.

Lat: 29.7842528
Long: - 95.3206250





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
53

Inspection Date:
2/21/2024

Description:
Stall B102 Joint, no new tar-like material observed at seep location along stall joint.

Lat: 29.7842203
Long: - 95.320827



Photo No.
54

Inspection Date:
2/21/2024

Description:
Stall B102 (center), no tar-like material observed at seep location where pavement is cracked.

Lat: 29.784769
Long: -95.3195798





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 55	Inspection Date: 2/21/2024
Description: Stall B105, no new tar-like material observed at the historical seep location along asphalt crack. Lat: 29.784209 Long: -95.320943	



Photo No. 56	Inspection Date: 2/21/2024
Description: Stalls B107, no new tar-like material observed at seep location on concrete joint along the southern edge of the excavated area. Lat: 29.784156 Long: -95.320953	





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.:
31406585.016

Photo No.:
57

Inspection Date:
2/28/2024

Description:

Stall B057 (joint), no new tar-like material observed at historical seep location at Test Pit B057.

Lat: 29.784747
Long: -95.319549



Photo No.:
58

Inspection Date:
2/28/2024

Description:

Sump 1 (B099/B100), 4 inches of freeboard in sump, no sheen observed, water color noted as light brown.

Lat: 29.7844000
Long: - 95.3205861





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
59

Inspection Date:
2/28/2024

Description:

Sump 2 (B103/B104), 14 inches of freeboard in sump. No odor or sheen observed, color noted as clear.

Lat: 29.7842861
Long: - 95.3208611



Photo No.
60

Inspection Date:
2/28/2024

Description:

Sump 3 (B107/B108), 15 inches of freeboard in sump, no sheen observed, water color noted as clear.

Lat: 29.7844000
Long: - 95.3205861





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
61

Inspection Date:
2/28/2024

Description:

North side of Track 802, no new tar-like material observed at seep location near the edge of the ballast.

Lat: 29.784947
Long: -95.321214



Photo No.
62

Inspection Date:
2/28/2024

Description:

Stall A010. No seeps noted at Test Pit A010.

Lat: 29.785517
Long: -95.31834





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 63	Inspection Date: 2/28/2024
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Description:

Stall A011. No new tar-like material observed at historical seep location along asphalt crack. Some staining observed along cracks in pavement.

Lat: 29.785467
Long: -95.318341



Photo No. 64	Inspection Date: 2/28/2024
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Description:

Stall B013. No seeps noted at Test Pit B013.

Lat: 29.78532
Long:-95.31833





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 65	Inspection Date: 2/28/2024
Description: Stall B016. No tar-like material observed at historical seep location along asphalt crack. Lat: 29.785271 Long: -95.31841	



Photo No. 66	Inspection Date: 2/28/2024
Description: Stall A022, no new tar-like material observed at the seep location along the edge. Lat: 29.785381 Long: - 95.318619	





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 67	Inspection Date: 2/28/2024
Description: Stall A021. No seeps noted at Test Pit A021. Lat: 29.785387 Long: -95.318654	



Photo No. 68	Inspection Date: 2/28/2024
Description: Stall B042. No new tar-like material observed at historical seep location along concrete joint. Lat: 29.784923 Long: -95.319124	





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
73

Inspection Date:
2/28/2024

Description:

RD-14 Seep location observed within the concrete road area north of Track 802 (east of existing Track 802 seep location), no new tar-like material observed along a concrete joint.

Lat: 29.785064
Long: - 95.321219

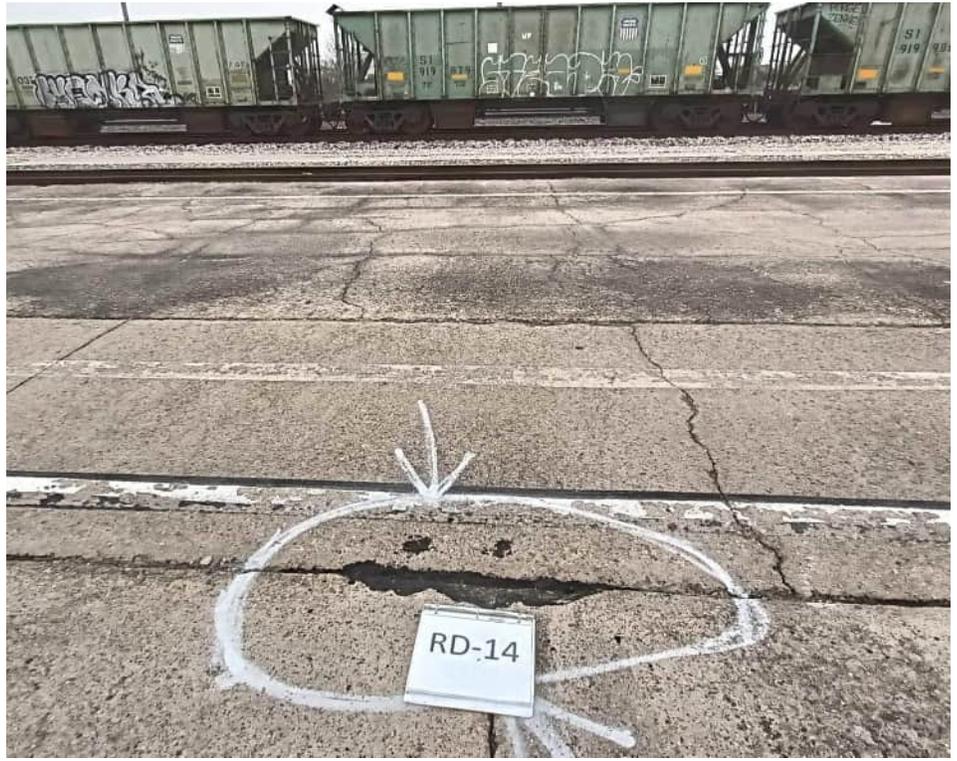


Photo No.
74

Inspection Date:
2/28/2024

Description:

Stall B056. Some tar-like material observed at historical seep location along asphalt crack, material removed.

Lat: 29.7847472
Long: -95.3195417





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No. 75	Inspection Date: 2/28/2024
Description: Stall B057, some tar-like material observed and removed at seep location along asphalt crack. Lat: 29.784769 Long: -95.3195798	



Photo No. 76	Inspection Date: 2/28/2024
Description: Stalls A060 - A070, some residual staining previously observed along cracks in pavement. No new water seeps observed. Viewing southwest. Lat: 29.784858 Long: -95.319733	





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No.: 31406585.016
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Photo No.: 77	Inspection Date: 2/28/2024
Description: Stall B096, some tar-like material observed at historical seep location along concrete joint next to Test Pit B096, material removed. Lat: 29.7842528 Long: -95.3206250	



Photo No.: 78	Inspection Date: 2/28/2024
Description: Stall B100, some tar-like material observed at seep location along asphalt crack/ hole in the asphalt, material removed. Lat: 29.7842528 Long: - 95.3206250	





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
79

Inspection Date:
2/28/2024

Description:

Stall B102 Joint, no new tar-like material observed at seep location along stall joint.

Lat: 29.7842203
Long: - 95.320827



Photo No.
80

Inspection Date:
2/28/2024

Description:

Stall B102 (center), no seep observed.

Lat: 29.784769
Long: -95.3195798





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
31406585.016

Photo No.
81

Inspection Date:
2/28/2024

Description:

Stall B105, no new tar-like material observed at the historical seep location along asphalt crack.

Lat: 29.784209
Long: -95.320943



Photo No.
82

Inspection Date:
2/28/2024

Description:

Stalls B107, no new tar-like material observed at seep location on concrete joint along the southern edge of the excavated area.

Lat: 29.784156
Long: -95.320953





ATTACHMENT B

Waste Shipping Documentation

BILL OF LADING—SHORT FORM—NOT NEGOTIABLE

SHIP FROM (GENERATOR NAME): [Name] Union Pacific Rail Road [Street Address] 4910 Liberty Road [City, ST ZIP Code] Houston, Tx 77026 [Phone#:]	Bill of Lading Number: BOL#: 035-24-0015-01 (BOL#=E3OMI JOB #- FOR MULTIPLE LOADS, ADD -01, 02, ETC.)
RECEIVING FACILITY/CONSIGNEE NAME: [Name] Delta Water Processing [Street Address] 18511 Beaumont Hwy [City, ST ZIP Code] Houston, Tx 77049 [Phone#:] (281) 404-4424	TRANSPORTER/CARRIER NAME Company Name: E3 OMI Transporter EPA #: TXD981055163 Vehicle/Unit/Trailer #: 3137 Roll box/Vac box/Tanker #: 0001
DISPOSAL BILL TO All Invoices must have a PO#: 035-2024-0033 Mail Invoices: E3 OMI PO Box 1300 Clinton, MS 39060 Email Invoices: admin@e3omi.com / claraque@e3omi.com	JOB TYPE <input checked="" type="checkbox"/> WASTE DISPOSAL PICK-UP/DELIVERY <input type="checkbox"/> WASHOUT <input type="checkbox"/> IN PLANT WORK NO DISPOSAL

Special Instructions:
Profile Approval# EOMI 0559 P

Containers		Carrier Information			
No.	Type	Total Quantity	Unit Wt./Vol.	HM (X)	Commodity Description/Material <small>Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation with ordinary care. See Section 2(e) of NMFC Item 360</small>
1	TT	5,000	G		Non DOT Regulated Material (Oily Water)

Note: Liability limitation for loss or damage in this shipment may be applicable. See 49 USC § 14706(c)(1)(A) and (B).

Received, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications, and rules that have been established by the carrier and are available to the shipper, on request, and to all applicable state and federal regulations.	Transporter Print Name: <u>Higuel Sanchez</u>
	Signature: <u>[Signature]</u> <u>2/2/24</u>
Shipper Signature/Date: <u>Anthony McMullins OBO UPRR Anthony McMullins 2/2/24</u>	Transporter Pickup Date:
<small>This is to certify that the above-named materials are properly classified, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the DOT.</small>	<small>Carrier acknowledges receipt of packages and required placards. Carrier certifies emergency response information was made available and/or carrier has the DOT emergency response guidebook or equivalent documentation in the vehicle. Property described above is received in good order, except as noted.</small>

Received By Facility (Consignee)

Print Name: Manuel Mendez

Signature: [Signature] Date: 2/2/24

BILL OF LADING—SHORT FORM—NOT NEGOTIABLE

SHIP FROM (GENERATOR NAME): [Name] Union Pacific Rail Road [Street Address] 4910 Liberty Road [City, ST ZIP Code] Houston, Tx 77026 [Phone#:]	Bill of Lading Number: BOL#: 035-24-0015-02 (BOL#=E3OMI JOB #- FOR MULTIPLE LOADS, ADD -01, 02, ETC.)
RECEIVING FACILITY/CONSIGNEE NAME: [Name] Delta Water Processing [Street Address] 18511 Beaumont Hwy [City, ST ZIP Code] Houston, Tx 77049 [Phone#:] (281) 404-4424	TRANSPORTER/CARRIER NAME Company Name: E3 OMI Transporter EPA #: TXD981055163 Vehicle/Unit/Trailer #: 3137 Roll box/Vac box/Tanker #: 00011
DISPOSAL BILL TO All Invoices must have a PO#: 035-2024-0033 Mail Invoices: E3 OMI PO Box 1300 Clinton, MS 39060 Email invoices: admin@e3omi.com/ clarague@e3omi.com	JOB TYPE X_WASTE DISPOSAL PICK-UP/DELIVERY _WASHOUT _IN PLANT WORK NO DISPOSAL

Special Instructions:
Profile Approval# EOMI 0559 P

Containers			Carrier Information		
No.	Type	Total Quantity	Unit Wt./Vol.	HM (X)	Commodity Description/Material
1	TT	8500	G		Non DOT Regulated Material (Oily Water)

Note: Liability limitation for loss or damage in this shipment may be applicable. See 49 USC § 14706(c)(1)(A) and (B).

Received, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications, and rules that have been established by the carrier and are available to the shipper, on request, and to all applicable state and federal regulations.

Transporter Print Name: Miguel Suarez
Signature: Miguel Suarez 2/2/24

Shipper Signature/Date: Anthony McMullins ORSU PR Anthony M... 2/2/24
Transporter Pickup Date:

This is to certify that the above-named materials are properly classified, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the DOT.

Carrier acknowledges receipt of packages and required placards. Carrier certifies emergency response information was made available and/or carrier has the DOT emergency response guidebook or equivalent documentation in the vehicle. Property described above is received in good order, except as noted.

Received By Facility (Consignee)

Print Name: Manuel Mendonca

Signature: Manuel Mendonca **Date:** 2/2/24