



April 14, 2026

Project No. US0039040.3990

Mr. Jerry Wick

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 – REVISED INTERIM MEASURES
WORK PLAN POST-CONSTRUCTION AND NAPL COLLECTION SYSTEM/CONCRETE CAP REPAIR
INSPECTIONS
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 Mr. Wick:

WSP USA Inc. (WSP), on behalf of Union Pacific Railroad Company (UPRR), is pleased to provide this monthly status update for March 2026 summarizing the weekly inspections being conducted at the Englewood Intermodal Yard (EIY) concrete cap area within the UPRR Houston Wood Preserving Works Facility (the Site). The weekly inspections are being conducted to evaluate the post-construction Focused Excavations as detailed in the *Revised Interim Measures Work Plan – Englewood Intermodal Yard (EIY)*, (Revised IMWP) dated October 20, 2023. In addition, a summary of the weekly Non-Aqueous Phase Liquid (NAPL) Collection System and concrete cap area inspections conducted at the EIY is provided as requested by the Texas Commission on Environmental Quality (TCEQ) in a letter dated March 20, 2018. Below is a summary of the weekly Focused Excavation and EIY inspections for March 2026.

Focused Excavation Inspections

UPRR initiated the interim measure remediation activities detailed in the Revised IMWP on April 29, 2024, and completed construction activities on November 15, 2024. Final waste disposal was completed on July 24, 2025. The Response Action Completion Report (RACR) summarizing the Focused Excavation response actions was submitted to the TCEQ on July 17, 2025. UPRR received TCEQ's Approval with Comments on the RACR on January 7, 2026. UPRR submitted a Response to Comments and Interim Measures Work Plan Addendum to TCEQ on March 6, 2026.

Following completion of the remediation activities, WSP, on behalf of UPRR, began conducting weekly inspections of the 13 completed Focused Excavation (FE) re-constructed cap areas. For March 2026, weekly inspections were conducted on March 4, 11, 18, and 25, 2026. Figure 1 shows the locations of the FE areas. Photographs from the weekly inspections of the FE areas are provided in Attachment A under Photo Numbers 1 through 59. Observations from the weekly inspections included the following:

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- WSP noted the reconstructed FE concrete and asphalt cap areas were in good condition during the weekly inspections. WSP personnel did not observe any tar-like material or NAPL seeps at the FE locations.
- Brown water staining was observed along the southern joint of the reconstructed concrete cap of FE-5 on March 4 (Photo No. 4 through 7) and March 11 (Photo No. 20 through 22). The brown water staining was not observed at this location during the March 18 and 25 inspections.
- On March 4, brown water staining and a small amount of standing water were observed along the western joint perpendicular to the reconstructed asphalt cap of FE-6 (Photo No. 8 and 9). On March 11, brown water staining and a small amount of standing water were observed along the southern joint of the reconstructed asphalt cap of FE-6 and along the western joint perpendicular to the reconstructed asphalt cap of FE-6 (Photo No. 23 and 24). The brown water staining was not observed at this location during the March 18 and 25 inspections.
- No other brown water staining was observed near the FEs. Brown water staining was routinely observed during the Spring months in the asphalt pavement area surrounding FE-5 and FE-6 prior to the Focused Excavation activities.

Non-Aqueous Phase Liquid (NAPL) Collection System and EIY Concrete/Asphalt Cap Inspections

The following is a summary of the observations from the weekly inspections in March 2026 of the NAPL Collection System area and EIY concrete/asphalt cap outside the NAPL Collection System. Photographs from the weekly inspections of the NAPL Collection System are provided in Attachment A under Photo Numbers 60 through 72.

NAPL Collection System Area

The NAPL Collection System was installed in the EIY in January 2019 to address the tar-like NAPL seeps within parking stalls B100 to B109 (for container trailers). The NAPL Collection System includes three sumps, Sump 1 (B099/B100 stalls), Sump 2 (B103/B104 stalls), and Sump 3 (B107/B108 stalls), that have continued to be inspected weekly for NAPL accumulation. Field personnel use a shovel to scrape the bottom of the sumps and inspect for the presence of NAPL during the weekly inspections. If present, the accumulated NAPL is recovered with the shovel. 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. NAPL recovered from the sumps is placed in a drum for disposal. The drum is staged at the Container Storage Area (CSA).

Storm water tends to collect in the NAPL Collection System. WSP field personnel measure weekly freeboard levels in NAPL Collection System Sump 1, Sump 2, and Sump 3 below the top of the manholes, as summarized for the March weekly inspections in the following table:

Date	Sump 1 (DTW, inches)	Sump 2 (DTW, inches)	Sump 3 (DTW, inches)	Photo Nos. (Attachment A)
March 4	1.3	12.0	11.5	60, 62, and 63
March 11	1.0	6.0	5.5	64, 65, and 66
March 18	3.0	10.5	10.0	67, 68, and 69
March 25	1.5	11.5	11.0	70, 71, and 72

DTW – depth to water below the top of the manhole.

Observations from the weekly inspections included the following:

- No NAPL was recovered from Sumps 1, 2, and 3 during the March 2026 weekly inspections. During the March inspections, the small amount of NAPL accumulated on the underside of the inflow protector for Sump 1 was similar in appearance to the amount observed in February (Attachment A, Photo Number 61).
- Water in Sump 1 was observed to be clear or light brown with a sheen depending on the inspection date. Water in Sump 2 and Sump 3 was observed to be clear. No indications of a sheen were observed in Sump 2 or 3 during the March inspections. No odors were reported during the March inspections.
- A tar-like material seep was observed at Stall B107 on March 25 immediately adjacent to the NAPL Collection System. Approximately 2 cubic inches (approximately 1.1 fluid ounces) of NAPL were recovered. No seep activity was noted at B107 during the other weekly March inspections (Photo Numbers 73 through 77). No NAPL seeps were observed along the concrete joints near the NAPL Collection System during the March inspections.

Areas Outside the NAPL Collection System/EIY Concrete/Asphalt Cap Inspections

For areas outside the NAPL Collection System within the EIY, WSP made the following observations during the weekly inspections:

- Tar-like material seeps at the following two locations:
 - A tar-like material seep was observed at Track 802 on March 11 and March 25. Approximately 7.5 cubic inches (approximately 4.2 fluid ounces) of NAPL were recovered. No seep activity was noted at Track 802 during the other March weekly inspections (Photo Numbers 78 through 83).
 - No active seeps were noted at Stall B102 Center during the March weekly inspections (Photo Numbers 84 through 87).
- Overall, the volume of NAPL recovered from the surface seeps increased from February to March 2026 (approximately 2.9 fluid ounces in February compared to 5.3 fluid ounces in March). Annual increases in NAPL recovery volume are anticipated as ambient temperatures increase. In comparison, prior to implementing the Focused Excavations, approximately 14 fluid ounces (approximately 0.11 gallons) of NAPL were collected from the surface seeps during March 2024.
- The previously observed seeps at stalls B100/B101/B105 (FE-1&3), B102 (joint) (FE-2), B056/B057 (FE-4), A021/A022 (FE-5), A010/A011 (FE-6), B096 (FE-7), B042 (FE-8), B016 (FE-9), and RD-14 (FE-13) have been addressed through the Focused Excavation activities.
- During the March 2026 inspections, no NAPL seeps were observed at the remaining test pit locations that were not excavated as part of the Focused Excavations (Stalls A098 (TP-02), B013 (TP (B013)), B057 (TP-04), and B108 (TP (B108) and TP-01).
- Excluding the brown water staining observed near the FEs discussed previously, no brown water staining was observed within the EIY in March.

A figure showing the active and historical seep locations is provided on Figure 1.

A table tallying the active seeps observed in March 2026 is provided in Table 2.

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,

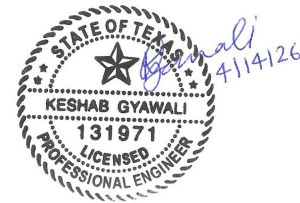
WSP USA Inc.



Manny Higa
Lead Consultant, Geologist



Keshab Gyawali, PE
Lead Consultant, Civil Engineer



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

Attachment Table 1 – NAPL Measurements – NAPL Collection System
Table 2 – NAPL Seep Detection Tracker for Weekly Cap Inspections
Figure 1 – Englewood Intermodal Capped Areas Seeps
Attachment A – Weekly Inspection Photolog

Tables

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	
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	

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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
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	
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	

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
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	
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 B013/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/B0100 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.

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
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.
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 B103/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 B103/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 B103/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 B103/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 B103/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 B103/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 B103/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 B103/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 B103/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 B103/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.
3/6/2024	4	15	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.

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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
3/13/2024	0	11	11	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.
3/20/2024	0	7.5	7.5	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.
3/27/2024	0	7	6	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. Some DNAPL (1.5 inches) was recovered from the bottom of Sump 1.
4/3/2024	0	10	10	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. Some DNAPL (3 cubic inches) was recovered from the bottom of Sump 1.
4/10/2024	0	0	0	Not measurable	No sheen observed in any of the sumps. Water color brown on B099/B100 and clear on B103/B104 and B107/B108.
4/17/2024	0	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.
4/24/2024	2.5	12	11	Not measurable	Sheen visible on B099/B100. Water color brown on B099/B100 and clear on B103/B104 and B107/B108. Pumpdown conducted 4/26/2024.
5/1/2024	9	20	21	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.
5/8/2024	1	23	22	Not measurable	Sheen visible on B099/B100. Water color brown on B099/B100 and light brown on B103/B104 and clear on B107/B108.
5/15/2024	0	20	21	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.
5/22/2024	-	-	-	Not Measured	Freeboard not measured on 5/22/2024 due to the ongoing excavations as part of the Interim Measures Work Plan Construction Activities.
5/29/2024	0	19.5	19	Not measurable	No sheen observed in any of the sumps. Water color brown on B099/B100 and clear on B103/B104 and B107/B108.
6/5/2024	Not measurable	Not measurable	13	Not measurable	Sumps B099/B100 and B103/B104 could not be opened due to ongoing excavation. No sheen observed in any of the sumps. Water color was clear to cloudy by B107/B108.
6/12/2024	0	13	13	Not measurable	No sheen observed in any of the sumps. Water color was brown to cloudy by B099/B100, clear to cloudy by B103/B104, and clear by B107/B108.
6/19/2024	0	13	13	Not measurable	Sheen observed at B099/B100 and B107/B108. Water color was dark brown by B099/B100 and clear by B103/B104 and B107/B108.
6/26/2024	2.5	10.5	10	Not measurable	Sheen observed at B099/B100. Water color was brown to cloudy by B099/B100 and clear by B103/B104 and B107/B108.
7/3/2024	23	43	42	Not measurable	Dark brown water color and sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104. Brown water color and sheen observed at B107/B108.
7/10/2024	13	35	34	Not measurable	Light brown water color and sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104 and B107/B108.
7/17/2024	9	39	38	Not measurable	Light brown water color observed at all three sump systems. Sheen observed at B099/B100, 3 cubic in NAPL recovered from sump. No sheen observed at B103/B104 and B107/B108.
7/24/2024	0	36	36	Not measurable	Light brown water color observed at all three sump systems. Sheen observed at B103/B104. No sheen observed at B099/B100 and B107/B108.
7/31/2024	45	45	45	Not measurable	Brown water color and sheen observed at B099/B100. Light brown water color and no sheen observed at B103/B104 and B107/B108.
8/7/2024	23	32	32	Not measurable	Brown water color and no sheen observed at B099/B100. Brown/cloudy water color and no sheen observed at B103/B104 and B107/B108.
8/14/2024	24	42.5	41.5	Not measurable	Brown water color and sheen observed at B099/B100. Gray water color and no sheen observed at B103/B104. Light brown and no sheen observed at B107/B108.
8/21/2024	22.5	42.5	41.5	Not measurable	Brown water color and no sheen observed at B099/B100, B103/B104 and at B107/B108.
8/28/2024	20	42	41.5	Not measurable	Tan water color and sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104. Light brown and no sheen observed at B107/B108.
9/4/2024	8	41	40	Not measurable	Tan water color and sheen observed at B099/B100. Tan water color and no sheen observed at B103/B104 and at B107/B108.
9/4/2024	8	41	40	Not measurable	Tan water color and sheen observed at B099/B100. Tan water color and no sheen observed at B103/B104 and B107/B108.
9/12/2024	5.5	39	38.5	Not measurable	Clear water and sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104 and Tan water color and no sheen observed at B107/B108.
9/18/2024	7	38.5	38	Not measurable	Clear water with sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104. Light brown and no sheen observed at B107/B108.
9/26/2024	9.5	40	39	Not measurable	Clear water color and sheen observed at B099/B100. Grey and turbid water with no sheen observed at B103/B104 and brownish water with no sheen observed at B107/B108.
10/2/2024	11.5	36.5	36	Not measurable	Clear water color and no sheen observed at B099/B100. Tan water color with no sheen observed at B103/B104. Brown water with no sheen observed at B107/B108.
10/9/2024	10	37	36	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
10/16/2024	12	38	36	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
10/24/2024	14	41	40	Not measurable	Light brown water color and sheen observed at B099/B100. Light brown water color with no sheen observed at B103/B104. Brown water with no sheen observed at B107/B108.

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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
10/30/2024	4	37.5	37	Not measurable	Turbid tan water color with no sheen observed at B099/B100. Turbid tan water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
11/6/2024	2.5	32	31	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
11/13/2024	5	32.5	32	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
11/20/2024	3.5	34	34	Not measurable	Sump pumpdown on Nov 15. Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
11/27/2024	8	34.5	34	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
12/4/2024	10	35	33.5	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color and sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
12/11/2024	4	26	26	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
12/18/2024	5	23	22	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
12/23/2024	4.5	23.5	22.5	Not measurable	Clear water color with no sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
12/27/2025	2	12	11.5	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
1/3/2025	4.5	12	12	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
1/8/2025	6	10.5	11	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
1/15/2025	0	0	0	Not measurable	Clear water color with no sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108. Due to extended rain events all sumps were full of water.
1/22/2025	1.5	4	3.5	Not measurable	Clear water color with no sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
1/29/2025	0	0	0	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water color and sheen observed at B107/B108. Due to extended rain events all sumps were full of water.
2/5/2025	9	8.5	1	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B103/B104 and clear in B099/B100 and B107/B108.
2/12/2025	0	0	0	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color clear in B099/B100, brown in B103/B104, and tan in B107/B108. Due to extended rain events all sumps were full of water.
2/19/2025	1	3	2.5	Not measurable	Clear water color with no sheen observed at B099/B100, B103/B104, and B107/B108.
2/26/2025	1.5	5	4.5	Not measurable	Clear water color with no sheen observed at B099/B100, B103/B104, and B107/B108.
3/5/2025	1.75	4.75	3.5	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B099/B100 and B103/B104 and clear in B107/B108.
3/12/2025	2.25	11	10	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B099/B100 and B103/B104 and clear in B107/B108.
3/19/2025	1.5	9	10	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B103/B104 and clear in B099/B100 and B107/B108.
3/26/2025	2	7	6.5	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B103/B104 and clear in B099/B100 and B107/B108.
4/2/2025	0	7.5	7	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B103/B104 and clear in B099/B100 and B107/B108.
4/9/2025	27	36	35	Not measurable	Sump pumpdown on Apr 4. No sheen observed at B099/B100, B103/B104, and B107/B108. Water color dark brown in B099/B100, tan in B103/B104, and brown in B107/B108.
4/16/2025	22.5	35.5	35.5	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color dark brown in B099/B100 and B103/B104, and brown in B107/B108.
4/23/2025	-	31	30.5	Not measurable	Water ponded over Sump 1. No sheen observed at B103/B104 and B107/B108. Water color brown in B103/B104 and B107/B108.
4/30/2025	1	28.5	29	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and B103/B104 and tan in B107/B108.
5/7/2025	0	20.9	18	Not measurable	No sheen observed. Water color tan in B099/B100, B103/B104, and B107/B108.
5/14/2025	0	16.5	17	Not measurable	Sheen only observed at B099/B100. Water color tan in B099/B100, B103/B104 and B107/B108.
5/21/2025	0	17.5	17	Not measurable	No sheen observed. Water color brown in B099/B100 and tan in B103/B104 and B107/B108.
5/28/2025	-	-	-	Not measured	Not measured due to lightning standdowns.
6/4/2025	0	9.5	9	Not measurable	No sheen observed. Water color dark brown in B099/B100 and tan in B103/B104 and B107/B108.
6/11/2025	0	0	0	Not measurable	No sheen observed. Water color brown in B099/B100 and tan in B103/B104 and B107/B108. Due to extended rain events all sumps were full of water.
6/18/2025	1.5	6.5	6	Not measurable	No sheen observed. Water color dark brown in B099/B100 and tan in B103/B104 and B107/B108.
6/25/2025	0	6.5	6	Not measurable	No sheen observed. Water color brown dark brown in B099/B100 and brown in B103/B104 and B107/B108.

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7/2/2025	0	7.5	7	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108.
7/9/2025	0	3.5	3	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108.
7/16/2025	0	8.5	8	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
7/23/2025	1	10.5	10	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
7/30/2025	0	9.5	9	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108.
8/6/2025	0	0.1	0.5	Not measurable	Heavy sheen and soft bottom of sump only observed at B099/B100. No indication of DNAPL from the Interphase probe. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
8/13/2025	1.5	8.5	8	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
8/20/2025	1.5	5.5	5	Not measurable	Sheen and tar on plastic lid only observed at B099/B100. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
8/27/2025	24	43	42.5	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108. Pumpdown conducted 08/21/2025. Less than 0.5 gallons of tar recovered from Sump 1 during pumpdown.
9/3/2025	0	36	35.5	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
9/10/2025	0	35	34.5	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color brown in B099/B100, clear with a brown tint in B103/B104, and clear in B107/B108.
9/17/2025	2.5	35	34.5	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108.
9/24/2025	0	34.5	34	Not measurable	Sheen only observed at B099/B100. Water color clear with a brown tint in B099/B100 and clear in B103/B104 and B107/B108.
10/1/2025	2	33	32.5	Not measurable	Inflow protector only replaced at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108.
10/8/2025	3.5	33.5	33	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color brown in B099/B100, clear with a brown tint in B103/B104, and clear in B107/B108.
10/15/2025	5	33.5	33	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color brown in B099/B100, and clear in B103/B104 and B107/B108.
10/22/2025	7	34	33	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100 and in B103/B104, and clear in B107/B108.
10/29/2025	0	29	29	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100 and in B103/B104, and clear in B107/B108.
11/5/2025	5	29	28.5	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color clear with a brown tint in B099/B100, and clear in B103/B104 and B107/B108.
11/12/2025	8	29.5	29	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color clear with a brown tint in B099/B100, and clear in B103/B104 and B107/B108.
11/19/2025	7	30.5	30	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color clear with a brown tint in B099/B100, and clear in B103/B104 and B107/B108.
11/26/2025	2	32	31.5	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color clear with a brown tint in B099/B100, and clear in B103/B104 and B107/B108.
12/3/2025	3	29.5	29	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color clear with a brown tint in B099/B100, and clear in B103/B104 and B107/B108.
12/10/2025	4.5	10.5	10	Not measurable	Tar on inflow protector only observed at B099/B100. Water color brown-tinted in B099/B100, clear with a slight brown tint in B103/B104, and clear in B107/B108.
12/17/2025	0	12	11.5	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color brown-tinted in B099/B100, and clear in B103/B104 and B107/B108.
12/24/2025	2.5	12.5	12	Not measurable	Tar on inflow protector only observed at B099/B100. Water color brown-tinted in B099/B100 and clear in B103/B104 and B107/B108.
12/31/2025	5.5	13	12.5	Not measurable	Tar on inflow protector only observed at B099/B100. Water color clear with a brown tint in B099/B100, and clear in B103/B104 and B107/B108.
1/7/2026	6.5	14.5	14	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color brown in B099/B100, light brown in B103/B104, and clear in B107/B108.
1/14/2026	3.6	14	13.5	Not measurable	Tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
1/21/2026	0	0	0	Not measurable	Tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108. Due to extended rain events all sumps were full of water.
1/28/2026	3.9	10.3	9.4	Not measurable	Tar on inflow protector only observed at B099/B100. Water color clear in B099/B100, B103/B104 and B107/B108.
2/4/2026	0	0.9	0.1	Not measurable	Tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
2/11/2026	1.9	10.5	9.3	Not measurable	Tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100 and B103/B104, and clear in B107/B108.
2/18/2026	0	8.7	7.7	Not measurable	Tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
2/25/2026	2	11	10.5	Not measurable	Tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100, and brown in 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
3/4/2026	1.3	12	11.5	Not measurable	Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
3/11/2026	1	6	5.5	Not measurable	Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color clear in B099/B100, B103/B104, and B107/B108.
3/18/2026	3	10.5	10	Not measurable	Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
3/25/2026	1.5	11.5	11	Not measurable	Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.

Note:

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

TABLE 2
NAPL Seep Detection Tracker for Weekly Cap Inspections
UPRR Houston, TX - Wood Preserving Works

Location	B108 (Asphalt)	B107 (Asphalt)	B105 (Asphalt)	B103 (Asphalt)	B100 (Asphalt)	B102 Center (Asphalt)	B102 (Joint)	B101 (Asphalt)	B096 (Joint)	A022 (Asphalt)	A021 (Joint)	A010 (Joint)	A011 (Asphalt)	B056 (Asphalt)	B057 (Asphalt)	B042 (Joint)	Track 802 (Ballast)	RD-14 (Joint)	B016 (Asphalt)	B013 (Joint)
Date of Last Observation of Active Seep	7/8/2020	3/25/2026	9/13/2023; Removed by FE-1&3	8/11/2021	4/17/2024; Removed by FE-1&3	11/5/2025	5/1/2024; Removed by FE-2	6/21/2023; Removed by FE-1&3	4/17/2024; Removed by FE-7	6/5/2024; Removed by FE-5	7/8/2020; Removed by FE-5	7/8/2020; Removed by FE-6	6/5/2024; Removed by FE-6	5/29/2024; Removed by FE-4	5/22/2024; Removed by FE-4	4/17/2024; Removed by FE-8	3/25/2026	6/12/2024; Removed by FE-13	8/28/2019; Removed by FE-9	8/17/2022
03/04/2026*	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
03/11/2026	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	1	NP	NP	NP
03/18/2026*	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
03/25/2026	NP	1	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	1	NP	NP	NP

Notes

NP - Seep was not present at time of weekly inspection

An active NAPL seep is noted with a 1 on the date of inspection and location of seep.

A weekly inspection in which no seeps were observed is noted with an asterisk after the date.

If a seep is in or adjacent to the Sump Collection System, it is highlighted in orange.

If a seep is in the vicinity of the Sump Collection System, it is highlighted in yellow.

If a seep is not in the vicinity of the Sump Collection System, it is highlighted in light blue.

Figure

Path: \\corp.plbwan.net\USCentral\Data\USDAL\001\TaskArea\Projects - Round Rock\2019\91919232 - HWP\4\2025\10 - File Name: 2 - Englewood Intermodal Capped Area Seeps.dwg | Last Edited By: user071935 Date: 2025-10-10 Time: 2:24:33 PM | Printed By: user071935 Date: 2025-10-10 Time: 1:52:26 PM



LEGEND

- EXISTING NAPL COLLECTION SYSTEM (CONSTRUCTED FEB. 2019)
- HISTORICAL LIMIT OF BROWN LIQUID SURFACING
- HISTORICAL NAPL SEEP LOCATION
- 2025 ACTIVE NAPL SEEP LOCATION
- 2026 ACTIVE NAPL SEEP LOCATION
- EXISTING NAPL COLLECTION SUMP
- TEST PIT LOCATION (2019)
- TEST PIT LOCATION (JULY 2020)
- AS-BUILT EXTENT FOCUSED EXCAVATION AREA

REFERENCE(S)

BASE MAP TAKEN FROM GOOGLE EARTH, DATED 3/12/25.
THE DETAILS OF THE "AS-BUILT EXTENT FOCUSED EXCAVATION AREAS" ARE PROVIDED IN THE RACR DATED JULY 17, 2025.

NOTE(S)

- THE HISTORICAL NAPL SEEP LOCATIONS WITHIN AS-BUILT EXTENT OF FOCUSED EXCAVATION AREAS HAVE BEEN ADDRESSED.

CLIENT
UNION PACIFIC RAILROAD CO

PROJECT
HOUSTON WOOD PRESERVING WORKS
ENGLEWOOD INTERMODAL YARD

TITLE
ENGLEWOOD INTERMODAL YARD CAPPED AREA SEEPS

CONSULTANT	YYYY-MM-DD	2026-04-09
DESIGNED	AJD	
PREPARED	AJD	
REVIEWED	CT	
APPROVED	ECM	

PROJECT NO.
US0039040.3990

REV.
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FIGURE
1

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B



ATTACHMENT A

Weekly Inspection Photolog



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990	
Photo No. 1	Inspection Date: 03/04/2026		SW	POS: 29.784375, -95.320827 ±16ft ALT: -32ft
Description: FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78438 Long: -95.32083		 FE 1&3 HWPW 04 Mar 2026 10:15:41 AM		
Photo No. 2	Inspection Date: 03/04/2026		SW	POS: 29.78427, -95.320748 ±13ft ALT: -32ft
Description: FE-2 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78427 Long: -95.32075		 FE 2 HWPW 04 Mar 2026 10:16:21 AM		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 3	Inspection Date: 03/04/2026	SW POS: 29.784896, -95.31953 ±13ft ALT: -32ft 
Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.7849 Long: -95.31953		
Photo No. 4	Inspection Date: 03/04/2026	S POS: 29.785449, -95.318619 ±13ft ALT: -36ft 
Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining along the southern joint of FE-5 observed. Facing south. Lat: 29.78545 Long: -95.31862		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 5	Inspection Date: 03/04/2026	BRG: 275°W (T) POS: 29.785317, -95.318577 ±9ft ALT: -29ft  Staining A 21 HWPWqq 04 Mar 2026 11:08:28 AM
Photo No. 6	Inspection Date: 03/04/2026	Photo No. 7  FE 5 HWPWqq 04 Mar 2026 10:18:01 AM

Description:

FE-5 brown water staining observed at the southern corner of the FE reconstructed cap, located with the red arrow on Photo No. 4. Facing west.

Lat: 29.78532

Long: -95.31858

Description:

FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining along the southern joint of FE-5 observed. Facing southwest.

Lat: 29.78543

Long: -95.31853



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 7	Inspection Date: 03/04/2026	BRG: 245°SW (T) POS: 29.785386, -95.318511 ±9ft ALT: -23ft  Dark water staining FE 5 HWPWqq 04 Mar 2026 11:09:54 AM
Description: FE-5 brown water staining observed at the southeastern corner of the FE reconstructed cap, located with the red arrow on Photo No. 6. Facing southwest. Lat: 29.78539 Long: -95.31851		
Photo No. 8	Inspection Date: 03/04/2026	SW POS: 29.785564, -95.318308 ±19ft ALT: -36ft  FE 6 HWPWqq 04 Mar 2026 10:18:50 AM
Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining along the western joint of FE-6 observed. Facing southwest. Lat: 29.78556 Long: -95.31831		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 9	Inspection Date: 03/04/2026	BRG: 63°NE (T) POS: 29.785453, -95.318477 ±19ft ALT: -23ft  Dark water pooling between FE 5 and FE 6 HWPWqq 04 Mar 2026 11:10:42 AM
Description: FE-6 brown water staining observed along the western joint of the FE reconstructed cap. Standing water was along the joint perpendicular to western edge of FE-6, located with the red arrow on Photo No. 8. Facing northeast. Lat: 29.78545 Long: -95.31848		
Photo No. 10	Inspection Date: 03/04/2026	SW POS: 29.784375, -95.320621 ±9ft ALT: -36ft  FE 7 HWPWqq 04 Mar 2026 10:19:39 AM
Description: FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78438 Long: -95.32062		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 11	Inspection Date: 03/04/2026	SW POS: 29.785014, -95.319065 ±19ft ALT: -39ft  FE 8 HWPWqq 04 Mar 2026 10:20:18 AM
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78501 Long: -95.31907		
Photo No. 12	Inspection Date: 03/04/2026	SW POS: 29.785324, -95.318365 ±19ft ALT: -36ft  FE 9 HWPWqq 04 Mar 2026 10:20:52 AM
Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78532 Long: -95.31837		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 13	Inspection Date: 03/04/2026	SE POS: 29.784975, -95.317728 ±9ft ALT: -36ft  FE 10 HWPWqq 04 Mar 2026 10:21:43 AM
Description: FE-10 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southeast. Lat: 29.78498 Long: -95.31773		
Photo No. 14	Inspection Date: 03/04/2026	SW POS: 29.784395, -95.31957 ±16ft ALT: -32ft  FE 11 HWPWqq 04 Mar 2026 10:22:39 AM
Description: FE-11 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.7844 Long: -95.31957		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 15	Inspection Date: 03/04/2026	SW POS: 29.785566, -95.318681 ±19ft ALT: -32ft  FE 12 HWPWqq 04 Mar 2026 10:23:21 AM
Photo No. 16	Inspection Date: 03/04/2026	 FE 13 HWPWqq 04 Mar 2026 10:24:50 AM



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 17	Inspection Date: 03/11/2026		SW POS: 29.784417, -95.320827 ±9ft ALT: -42ft
Description: FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78442 Long: -95.32083		 FE 1&3 HWPWqq 11 Mar 2026 10:02:58 AM	
Photo No. 18	Inspection Date: 03/11/2026		NE POS: 29.784092, -95.320827 ±9ft ALT: -32ft
Description: FE-2 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northeast. Lat: 29.78409 Long: -95.32083		 FE 2 HWPWqq 11 Mar 2026 10:05:22 AM	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 19	Inspection Date: 03/11/2026	NE POS: 29.784756, -95.319645 ±26ft ALT: -26ft  FE 4 HWPW 11 Mar 2026 10:26:49 AM
Photo No. 20	Inspection Date: 03/11/2026	Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northeast. Lat: 29.78476 Long: -95.31965  FE 5 HWPW 11 Mar 2026 10:22:32 AM



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 21	Inspection Date: 03/11/2026	E POS: 29.785391, -95.318625 ±9ft ALT: -32ft  FE 5 HWPW 11 Mar 2026 10:22:20 AM
Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining along the southern joint of FE-5 observed. Facing east. Lat: 29.78539 Long: -95.31863		
Photo No. 22	Inspection Date: 03/11/2026	BRG: 346°NW (T) POS: 29.785426, -95.318511 ±9ft ALT: -36ft  11 Mar 2026 10:21:29 AM
Description: FE-5 brown water staining observed at the southeastern corner of the FE reconstructed cap. Lat: 29.78543 Long: -95.31851		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 23	Inspection Date: 03/11/2026	NE POS: 29.785401, -95.318376 ±9ft ALT: -29ft   FE 6 HWPW 11 Mar 2026 10:19:09 AM
Photo No. 24	Inspection Date: 03/11/2026	BRG: 232°SW (T) POS: 29.785474, -95.318398 ±9ft ALT: -32ft  Brown water staining at FE 6 HWPW 11 Mar 2026 10:20:41 AM
Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining along the western and southern joint of FE-6 observed. Facing northeast. Lat: 29.7854 Long: -95.31838		
Description: FE-6 brown water staining observed along the western joint of the FE reconstructed cap. Standing water was along the joint perpendicular to western edge of FE-6, located with the red arrow on Photo No. 23. Facing southwest. Lat: 29.78547 Long: -95.3184		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 25	Inspection Date: 03/11/2026	NE POS: 29.784187, -95.320684 ±9ft ALT: -32ft  FE 7 HWPWqq 11 Mar 2026 10:07:02 AM
Photo No. 26	Inspection Date: 03/11/2026	SW POS: 29.785035, -95.319079 ±26ft ALT: -36ft  FE 8 HWPW 11 Mar 2026 10:25:11 AM



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 27	Inspection Date: 03/11/2026	SW POS: 29.785346, -95.318367 ±9ft ALT: -42ft  FE 9 HWPW 11 Mar 2026 10:16:15 AM
Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78535 Long: -95.31837		
Photo No. 28	Inspection Date: 03/11/2026	 FE 10 HWPW 11 Mar 2026 10:14:30 AM
Description: FE-10 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78497 Long: -95.31771		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 29	Inspection Date: 03/11/2026	SW POS: 29.784416, -95.319545 ±9ft ALT: -32ft 
Description: FE-11 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78442 Long: -95.31955		
Photo No. 30	Inspection Date: 03/11/2026	
Description: FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78558 Long: -95.31868		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 31	Inspection Date: 03/11/2026	
Description: FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78513 Long: -95.32124		
Photo No. 32	Inspection Date: 03/18/2026	SW POS: 29.784388, -95.320811 ±13ft ALT: -32ft 
Description: FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78439 Long: -95.32081		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 33	Inspection Date: 03/18/2026	SW POS: 29.784283, -95.320752 ±29ft ALT: -32ft	
Description: FE-2 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78428 Long: -95.32075		 FE 2 HWPW 18 Mar 2026 11:18:54 AM	
Photo No. 34	Inspection Date: 03/18/2026	S POS: 29.784932, -95.31949 ±13ft ALT: -32ft	
Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Lat: 29.78493 Long: -95.31949		 FE 4 HWPW 18 Mar 2026 11:21:30 AM	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 35	Inspection Date: 03/18/2026	S POS: 29.785437, -95.318622 ±26ft ALT: -36ft	
Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Lat: 29.78544 Long: -95.31862		 FE 5 HWPW 18 Mar 2026 11:22:39 AM	
Photo No. 36	Inspection Date: 03/18/2026	 FE 5 HWPW 18 Mar 2026 11:22:18 AM	
Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southeast. Lat: 29.78541 Long: -95.31867			



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 37	Inspection Date: 03/18/2026	SW POS: 29.785442, -95.318511 ±23ft ALT: -29ft  FE 5 HWPW 18 Mar 2026 11:22:05 AM	
Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78544 Long: -95.31851		SW POS: 29.785573, -95.318303 ±23ft ALT: -36ft  FE 6 HWPW 18 Mar 2026 11:23:13 AM	
Photo No. 38	Inspection Date: 03/18/2026	Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78557 Long: -95.3183	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 39	Inspection Date: 03/18/2026	SW POS: 29.784384, -95.320618 ±19ft ALT: -39ft	
Description: FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78438 Long: -95.32062		 FE 7 HWPW 18 Mar 2026 11:24:34 AM	
Photo No. 40	Inspection Date: 03/18/2026	SW POS: 29.785034, -95.319071 ±9ft ALT: -42ft	
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78503 Long: -95.31907		 FE 8 HWPW 18 Mar 2026 11:25:34 AM	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 41	Inspection Date: 03/18/2026	SW POS: 29.785348, -95.318367 ±9ft ALT: -42ft  FE 9 HWPW 18 Mar 2026 11:26:07 AM
Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78535 Long: -95.31837		
Photo No. 42	Inspection Date: 03/18/2026	 FE 10 HWPW 18 Mar 2026 11:26:48 AM
Description: FE-10 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78497 Long: -95.31771		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 43	Inspection Date: 03/18/2026	SW POS: 29.784421, -95.31956 ±23ft ALT: -39ft  FE 11 HWPW 18 Mar 2026 11:27:32 AM
Description: FE-11 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78442 Long: -95.31956		
Photo No. 44	Inspection Date: 03/18/2026	SW POS: 29.785579, -95.318692 ±13ft ALT: -49ft  FE 12 HWPW 18 Mar 2026 11:31:26 AM
Description: FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78558 Long: -95.31869		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 45	Inspection Date: 03/18/2026	
Description: FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78513 Long: -95.32124		
Photo No. 46	Inspection Date: 03/25/2026	SW POS: 29.784395, -95.320831 ±19ft ALT: -42ft 
Description: FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.7844 Long: -95.32083		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990	
Photo No. 47	Inspection Date: 03/25/2026		SW POS: 29.7843, -95.320769 ±23ft ALT: -39ft	
Description: FE-2 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.7843 Long: -95.32077			 FE 2 HWPW 25 Mar 2026 10:56:20 AM	
Photo No. 48	Inspection Date: 03/25/2026		SW POS: 29.784932, -95.319518 ±23ft ALT: -39ft	
Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78493 Long: -95.31952			 FE 4 HWPW 25 Mar 2026 10:56:58 AM	



PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal
Yard, Houston, Texas

Project No.
US0039040.3990

Photo No.
49

Inspection Date:
03/25/2026

Description:

FE-5 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing southwest.

Lat: 29.78546

Long: -95.31867

SW

POS: 29.78546, -95.318673 ±29ft ALT: -36ft



Photo No.
50

Inspection Date:
03/25/2026

Description:

FE-5 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing southeast.

Lat: 29.78546

Long: -95.31865





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 51	Inspection Date: 03/25/2026	SW POS: 29.785424, -95.318533 ±19ft ALT: -39ft  FE 5 HWPW 25 Mar 2026 12:03:36 PM
Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78542 Long: -95.31853		
Photo No. 52	Inspection Date: 03/25/2026	SW POS: 29.785598, -95.31832 ±29ft ALT: -39ft  FE 6 HWPW 25 Mar 2026 12:04:47 PM
Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.7856 Long: -95.31832		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 53	Inspection Date: 03/25/2026	SW POS: 29.784397, -95.320639 ±9ft ALT: -36ft  FE 7 HWPW 25 Mar 2026 12:05:48 PM	
Photo No. 54	Inspection Date: 03/25/2026	SW POS: 29.785046, -95.319101 ±13ft ALT: -36ft  FE 8 HWPW 25 Mar 2026 12:06:36 PM	
Description: FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.7844 Long: -95.32064		Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78505 Long: -95.3191	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 55	Inspection Date: 03/25/2026	SW POS: 29.785358, -95.318391 ±16ft ALT: -36ft  FE 9 HWPW 25 Mar 2026 12:07:13 PM
Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78536 Long: -95.31839		
Photo No. 56	Inspection Date: 03/25/2026	SW POS: 29.78499, -95.317717 ±9ft ALT: -36ft  FE 10 HWPW 25 Mar 2026 12:08:31 PM
Description: FE-10 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78499 Long: -95.31772		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 57	Inspection Date: 03/25/2026	SW POS: 29.78442, -95.319586 ±9ft ALT: -36ft  FE 11 HWPW 25 Mar 2026 12:09:15 PM
Description: FE-11 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78442 Long: -95.31959		
Photo No. 58	Inspection Date: 03/25/2026	SW POS: 29.785574, -95.31868 ±9ft ALT: -36ft  FE 12 HWPW 25 Mar 2026 12:11:44 PM
Description: FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest. Lat: 29.78557 Long: -95.31868		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 59	Inspection Date: 03/25/2026	SW POS: 29.785101, -95.321235 ±29ft ALT: -32ft  FE 13 HWPW 25 Mar 2026 12:13:02 PM
Photo No. 60	Inspection Date: 03/04/2026	BRG: 221°SW (T) POS: 29.784289, -95.320784 ±13ft ALT: -26ft  Sump B 99 / B 100 HWPWqq 04 Mar 2026 11:52:11 AM



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad
Site Location: Englewood Intermodal Yard, Houston, Texas
Project No. US0039040.3990

Photo No.
61

Inspection Date:
03/04/2026

Description:

Sump 1 (B99/B100), the small amount of NAPL accumulated on the underside of the inflow protector for Sump 1 was similar in appearance to the amount observed in February.

Lat: 29.7843
Long: -95.32079

BRG: 5°N (T) POS: 29.784295, -95.320792 ±9ft ALT: -32ft



Photo No.
62

Inspection Date:
03/04/2026

Description:

Sump 2 (B103/B104), 12 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78424
Long: -95.32091

BRG: 256°SW (T) POS: 29.784242, -95.320909 ±19ft ALT: -19ft





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 63	Inspection Date: 03/04/2026		BRG: 212°S (T) POS: 29.784189, -95.32102 ±13ft ALT: -6ft  Sump B 107 / B 108 HWPWqq 04 Mar 2026 11:38:41 AM
Description: Sump 3 (B107/B108), 11.5 inches of freeboard in sump. Color is clear, and no sheen or odor was reported. Lat: 29.78419 Long: -95.32102			
Photo No. 64	Inspection Date: 03/11/2026		BRG: 179°S (T) POS: 29.784282, -95.320784 ±9ft ALT: -29ft  B 99 / B 100 (1 inch) HWPW 11 Mar 2026 11:31:59 AM
Description: Sump 1 (B99/B100), 1 inches of freeboard in sump. Color is clear, and no sheen or odor was reported. Lat: 29.78428 Long: -95.32078			



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
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Photo No. 65	Inspection Date: 03/11/2026
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Description:

Sump 2 (B103/B104), 6 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78423
Long: -95.3209

BRG: 243°SW (T) POS: 29.78423, -95.320902 ±19ft ALT: -23ft

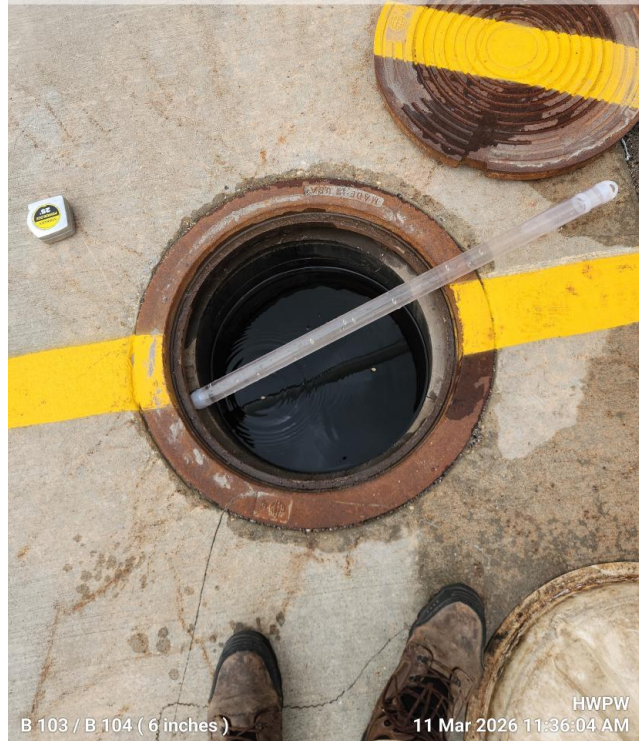


Photo No. 66	Inspection Date: 03/11/2026
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Description:

Sump 3 (B107/B108), 5.5 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78419
Long: -95.32102

BRG: 309°NW (T) POS: 29.784186, -95.321015 ±9ft ALT: -23ft





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 67	Inspection Date: 03/18/2026	BRG: 280°W (T) POS: 29.784274, -95.320816 ±19ft ALT: -39ft  Sump B 99 / B 100 (3.0) inches. HWPW 18 Mar 2026 12:28:18 PM
Photo No. 68	Inspection Date: 03/18/2026	BRG: 259°W (T) POS: 29.784228, -95.320872 ±9ft ALT: -42ft  Sump B 103 / B 104 (10.5) inches. HWPW 18 Mar 2026 12:29:53 PM

Description:

Sump 1 (B99/B100), 3 inches of freeboard in sump. Color is light brown, and a sheen was observed. No odor was reported.

Lat: 29.78427

Long: -95.32082

Description:

Sump 2 (B103/B104), 10.5 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78423

Long: -95.32087



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 69	Inspection Date: 03/18/2026	BRG: 287°W (T) POS: 29.784238, -95.320988 ±9ft ALT: -39ft  Sump B 107 / B 108 (10.0) inches HWPW 18 Mar 2026 12:31:07 PM
Photo No. 70	Inspection Date: 03/25/2026	BRG: 263°W (T) POS: 29.784274, -95.320772 ±9ft ALT: -42ft  B 99 / 100 (1.5) B 107 25 Mar 2026 12:57:08 PM

Description:

Sump 3 (B107/B108), 10 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78424

Long: -95.32099

Description:

Sump 1 (B99/B100), 1.5 inches of freeboard in sump. Color is light brown, and a sheen was observed. No odor was reported.

Lat: 29.78427

Long: -95.32077



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 71	Inspection Date: 03/25/2026		BRG: 295°W (T) POS: 29.78424, -95.320901 ±9ft ALT: -39ft 
Photo No. 72	Inspection Date: 03/25/2026		BRG: 306°NW (T) POS: 29.78417, -95.321018 ±9ft ALT: -39ft 



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 73	Inspection Date: 03/04/2026	BRG: 329°NW (T) POS: 29.784167, -95.320961 ±13ft ALT: -26ft  B 107 HWPWqq 04 Mar 2026 10:38:24 AM
Description: B107 weekly inspection of joint. Surrounding concrete in good condition. No active NAPL seep observed along joint. Lat: 29.78417 Long: -95.32096		
Photo No. 74	Inspection Date: 03/11/2026	BRG: 164°SE (T) POS: 29.784163, -95.32095 ±9ft ALT: -39ft  B 107 HWPW 11 Mar 2026 10:53:28 AM
Description: B107 weekly inspection of joint. Surrounding concrete in good condition. No active NAPL seep observed along joint. Lat: 29.78416 Long: -95.32095		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 75	Inspection Date: 03/18/2026		BRG: 271°W (T) POS: 29.784149, -95.320956 ±23ft ALT: -45ft  B 107 HWPW 18 Mar 2026 11:39:29 AM
Description: B107 weekly inspection of joint. Surrounding concrete in good condition. No active NAPL seep observed along joint. Lat: 29.78415 Long: -95.32096			
Photo No. 76	Inspection Date: 03/25/2026		BRG: 46°NE (T) POS: 29.784152, -95.320961 ±23ft ALT: -42ft  B 107 Tra 186 25 Mar 2026 12:22:53 PM
Description: B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 2 cubic inches of NAPL observed at seep location. Lat: 29.78415 Long: -95.32096			



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 77	Inspection Date: 03/25/2026	BRG: 239°SW (T) POS: 29.784144, -95.320962 ±9ft ALT: -42ft  B 107 25 Mar 2026 12:24:44 PM
Photo No. 78	Inspection Date: 03/04/2026	BRG: 134°SE (T) POS: 29.784918, -95.321204 ±9ft ALT: -36ft  Track 802 HWPWqq 04 Mar 2026 10:25:50 AM



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 79	Inspection Date: 03/11/2026	BRG: 319°NW (T) POS: 29.784971, -95.321205 ±9ft ALT: -36ft  Track 802 HWPW 11 Mar 2026 10:36:27 AM	
Photo No. 80	Inspection Date: 03/11/2026	BRG: 147°SE (T) POS: 29.784948, -95.321182 ±9ft ALT: -42ft  Track 802 HWPW 11 Mar 2026 10:41:42 AM	
Description: Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 3.5 cubic inches of NAPL observed at seep location. Lat: 29.78497 Long: -95.32121		Description: Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 3.5 cubic inches of NAPL observed at seep location. Lat: 29.78495 Long: -95.32118	

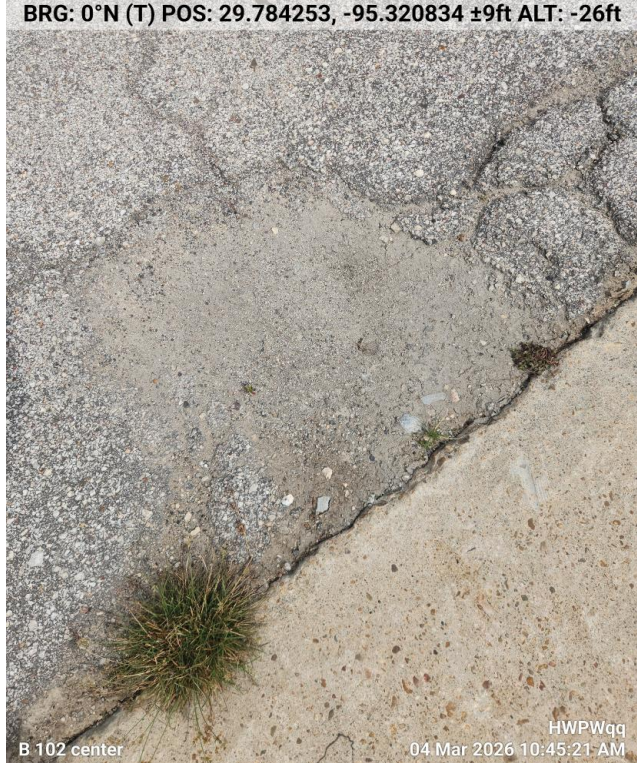


PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 81	Inspection Date: 03/18/2026	BRG: 132° SE (T) POS: 29.784942, -95.321202 ±9ft ALT: -42ft  Track 802 HWPW 18 Mar 2026 11:35:51 AM
Photo No. 82	Inspection Date: 03/25/2026	BRG: 135° SE (T) POS: 29.784926, -95.321242 ±9ft ALT: -42ft  Track 802 HWPW 25 Mar 2026 12:17:16 PM
Description: Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No active NAPL seep observed along joint. Lat: 29.78494 Long: -95.3212		
Description: Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 4 cubic inches of NAPL observed at seep location. Lat: 29.78493 Long: -95.32124		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 83	Inspection Date: 03/25/2026	BRG: 325°NW (T) POS: 29.784956, -95.321242 ±13ft ALT: -45ft  Track 802 HWPW 25 Mar 2026 12:19:50 PM
Photo No. 84	Inspection Date: 03/04/2026	BRG: 0°N (T) POS: 29.784253, -95.320834 ±9ft ALT: -26ft  B 102 center HWPWqq 04 Mar 2026 10:45:21 AM
Description: Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 4 cubic inches of NAPL observed at seep location. Lat: 29.78496 Long: -95.32124		
Description: B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. No active NAPL seep observed along joint. Lat: 29.78425 Long: -95.32083		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 85	Inspection Date: 03/11/2026	BRG: 335°NW (T) POS: 29.784252, -95.320837 ±9ft ALT: -39ft  B 102 center HWPW 11 Mar 2026 10:54:34 AM
Description: B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. No active NAPL seep observed along joint. Lat: 29.78425 Long: -95.32084		
Photo No. 86	Inspection Date: 03/18/2026	BRG: 49°NE (T) POS: 29.784256, -95.320844 ±9ft ALT: -42ft  B 102 center HWPW 18 Mar 2026 11:41:00 AM
Description: B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. No active NAPL seep observed along joint. Lat: 29.78426 Long: -95.32084		



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.3990
Photo No. 87	Inspection Date: 03/25/2026	BRG: 30°N (T) POS: 29.784257, -95.320853 ±9ft ALT: -42ft  B 102 center B 107 25 Mar 2026 12:27:07 PM
Description: B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. No active NAPL seep observed along joint. Lat: 29.78426 Long: -95.32085		