



July 15, 2025

Project No. US0039040.4227

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 – NAPL COLLECTION
SYSTEM/CONCRETE CAP REPAIRS AND REVISED INTERIM MEASURES WORK PLAN POST-
CONSTRUCTION ACTIVITIES
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 June 2025 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 June 2025.

Interim Measures Work Plan Activities

The TCEQ Conditional Approval letter dated January 9, 2024, for the Revised IMWP requested UPRR provide weekly summaries during the Focused Excavation remediation activities. UPRR initiated the remediation activities on April 29, 2024, and completed IMWP construction activities on November 15, 2024. The last phase to be completed under the Revised IMWP is waste disposal, which is currently in progress. With the conclusion of the construction activities and pending waste disposal, detailed weekly construction summaries are no longer necessary. However, this submittal provides a summary of the weekly inspections of the completed Focused Excavation re-constructed cap areas as required in the Revised IMWP.

Weekly Focused Excavation Inspections

- WSP, on behalf of UPRR, conducted weekly inspections of the 13 completed Focused Excavation (FE) re-constructed cap areas on June 4, 11, 18, and 25, 2025. Photographs from the weekly inspections of the FE locations are provided in Attachment A under Photo Numbers 1 through 52.
- WSP noted that the reconstructed FE concrete and asphalt cap areas were in good condition during the weekly inspections. There were no tar-like material or NAPL seeps observed at the Focused Excavation areas.
- Brown water staining was observed at FE-5 during the weekly inspection on June 4th along the southern joint of the reconstructed cap (Photo Nos. 4 through 7). Along the joint perpendicular to the western edge of FE-5, standing brown water was observed (Photo No. 5). The standing brown water was only observed in the concrete joint running west from FE-5 and not within the joints immediately adjacent to FE-5. Brown water staining was not observed during the weekly inspection on June 11th due to a rain event. Minimal brown water staining was noted at FE-5 during the weekly inspection on June 18th and June 25th along the southern joint of the reconstructed cap
- Brown water staining was observed at FE-6 during the weekly inspection on June 4th along the western and southern joint of the reconstructed cap (Photo No. 8). Standing brown water was observed approximately 5 feet from FE-6 along the joint perpendicular to the western edge of FE-6 (Photo No. 9). The standing brown water was only observed in the joint running west towards FE-6 and not within the joints immediately adjacent to FE-6. Brown water staining was not observed during the weekly inspection on June 11th due to a rain event. Minimal brown water staining was noted at FE-6 during the weekly inspection on June 18th and June 25th along the western and southern joint of the reconstructed cap.
- WSP did not observe brown water staining northeast of FE-1&3 in Row A and B Stalls 098 and 099 which was noted in the April Monthly Status Update dated May 12, 2025. This staining was northeast of the reconstructed cap, not within the joints or on the cap of FE-1&3.
- 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 and was last observed on May 28, 2024. WSP will continue to monitor the brown water staining.

Revised IWMP Waste Management and Disposal

- Soils/Miscellaneous
 - No soil/miscellaneous waste related to IMWP on site.
- Stormwater
 - The remaining FE waste to be managed is a mixture of sediment and stormwater generated from the FE excavations which settled out of suspension within the stormwater frac tanks. UPRR remediation contractor E3 removed the sediment from the frac tanks and stored 11,000 gallons of the sediment/stormwater mixture in a frac tank. This mixture was characterized as Class 2 waste and will be disposed of under the appropriate waste profile.

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

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 following is a summary of the observations from the weekly inspections of the NAPL Collection System area and EIY concrete cap outside the collection system for May 2025 (select photographs from the weekly inspections are provided in Attachment A):

NAPL Collection System Area

The NAPL Collection System Sump 1 (B099/B100 stalls), Sump 2 (B103/B104 stalls), and Sump 3 (B107/B108 stalls) have continued to be inspected weekly for NAPL. Field personnel use a shovel to scrape the bottoms of the sumps and inspect for the presence of NAPL, during the weekly inspections. If present, the accumulated NAPL is recovered with the shovel. No NAPL was detected or recovered from Sumps 1, 2 and 3 during the June 2025 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. NAPL recovered from the sumps is placed in a drum for disposal. The drum is staged at the Container Storage Area (CSA). Storm water that infiltrates through the cracks in the concrete pavement and nearby railroad ballast tends to collect in the NAPL Collection System. Field personnel measure freeboard levels in NAPL Collection System Sump 1, Sump 2, and Sump 3 below the top of the manholes weekly, as summarized in the following table:

Date	Sump 1 (DTW, inches)	Sump 2 (DTW, inches)	Sump 3 (DTW, inches)	Photo Nos. (Attachment A)
June 4 th	0.0	9.5	9.0	53, 54, and 55
June 11 th	0.0	0.0	0.0	56, 57, and 58
June 18 th	1.5	6.5	6.0	59, 60, and 61
June 25 th	0.0	6.5	6.0	62, 63, and 64

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

- During the June 2025 inspections, the water in Sump 1 was observed to be dark brown in color. The water in Sump 2 and Sump 3 was observed to be tan or brown. No sheens or odors were reported during the June inspections.
- NAPL seeps were not observed along the concrete joints near the NAPL Collection System (excluding Stall B107) during the June inspections. Approximately 9 cubic inches (approx. 5 fluid ounces) of NAPL were recovered from the concrete joint at the NAPL Collection System at Stall B107 on June 4th, approximately 3 cubic inches (approx. 1.7 fluid ounces) on June 11th and June 18th, and approximately 5 cubic inches (approx. 2.8 fluid ounces) on June 25th; a total of 20 cubic inches (approximately 11 fluid ounces) of NAPL was recovered from this area in June (Photo Nos. 65 through 72). The material recovered was placed in a drum staged at the CSA pending disposal.

Areas Outside NAPL Collection System Inspections

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

- Approximately 1 cubic inch of NAPL (approximately 0.5 fluid ounces) was recovered from Track 802 (280 feet northwest of the NAPL Collection System) on June 18th (Photo No. 75 and 76). The seep at Track 802 was last active on November 20, 2024.
- Overall, the volume of NAPL recovered from the surface seeps slightly increased from May to June 2025 (approximately 14 cubic inches (approx. 8 fluid ounces) in May to 20 cubic inches (approx. 11 fluid ounces) in June). In comparison, prior to implementing the Focused Excavations, approximately 69.3 cubic inches (approximately 38.4 fluid ounces) of NAPL were collected from the surface seeps during June 2023. The material recovered was placed in a drum staged at the CSA pending disposal.
- Tar-like NAPL material was observed on May 7th at a concrete joint near stall H020. Approximately 7 cubic inches (approximately 4 fluid ounces) of tar-like material was scraped up and removed from the joint on May 9th, and a sample was submitted for total petroleum hydrocarbon (TPH) fractionation analysis by TX1006 to evaluate the composition of the material. WSP is currently evaluating possible sources of the material at this location. No additional tar-like NAPL material accumulated in this area joint during the June weekly inspections (Photo Nos. 78 through 80). WSP has incorporated this area into the weekly inspections until the origin of the tar-like material can be determined.
- The previously observed seeps at stalls B100/B101/B105 (FE-1&3), B102 (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 June 2025 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).
- In addition to the brown water staining observed near the Focused Excavations discussed previously, WSP also observed brown water staining and standing water along the asphalt joints running between stalls A025 and A110 and B025 and B093 during the weekly inspection on June 4th (Photo Nos. 81 through 84). Brown water staining was not observed during the weekly inspections during the rest of June due to rain events. In 2024, brown water staining was last observed on May 28th. WSP will continue to monitor the brown water staining.

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, GIT
Senior Consultant, Geologist



Chad Ireland, PE
Assistant Vice President, Geological Engineer



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

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	

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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
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.

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
3/13/2024	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.
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.

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
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.

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



ATTACHMENT A

Weekly Inspection Photolog



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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Photo No. 1	Inspection Date: 06/04/2025
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Description:

FE-1&3 weekly inspection of asphalt cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing east.

Lat: 29.78423
Long: -95.32103

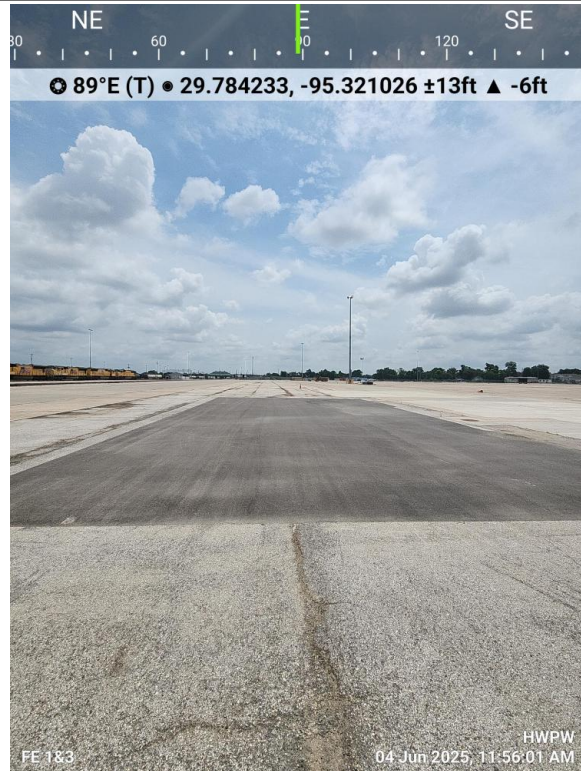
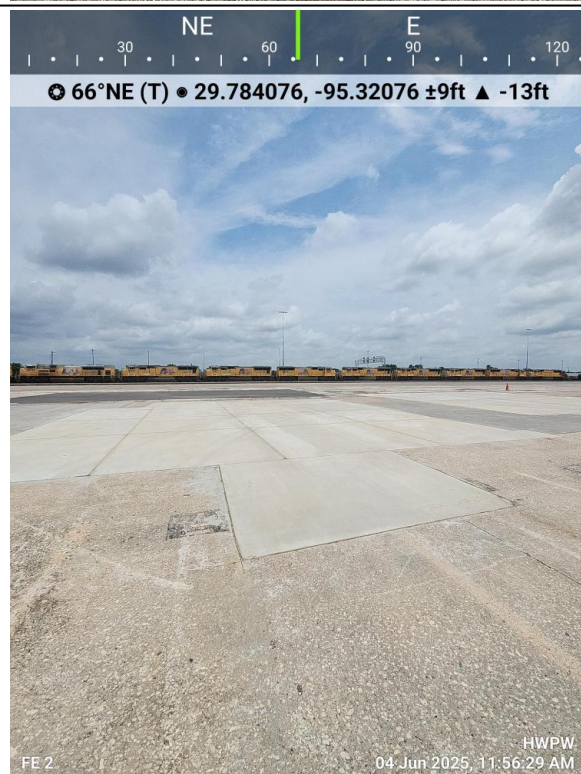


Photo No. 2	Inspection Date: 06/04/2025
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Description:



FE-2 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing northeast.

Lat: 29.78408
Long: -95.32076







PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 3	Inspection Date: 06/04/2025		<div><div>SE120150180210SW</div><div>171°S (T) • 29.784881, -95.319459 ±9ft ▲ -16ft</div></div>
Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Lat: 29.78488 Long: -95.31946			
Photo No. 4	Inspection Date: 06/04/2025		<div><div>NE6090120150SE</div><div>96°E (T) • 29.785312, -95.318766 ±26ft ▲ -13ft</div></div>
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: 29.78531 Long: -95.31877			



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 5	Inspection Date: 06/04/2025	<div><p>East Elevation</p><p>☉ 242°SW (T) • 29.785327, -95.318738 ±29ft ▲ 26ft</p><p>A 25 through A 110 HWPW 04 Jun 2025, 12:17:49 PM</p></div>
Photo No. 6	Inspection Date: 06/04/2025	<div><p>East Elevation</p><p>☉ 238°SW (T) • 29.785404, -95.318533 ±16ft ▲ -91ft</p><p>B 93 through B 25 HWPW 04 Jun 2025, 12:28:19 PM</p></div>

Description:

FE-5 brown water staining observed along the eastern joint of the FE reconstructed cap. Standing water was solely along the joint perpendicular to eastern edge of FE-5.

Lat: 29.78533

Long: -95.31874

Description:



FE-5 brown water staining observed at the southern joint of the FE reconstructed cap.

Lat: 29.7854

Long: -95.31853





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 7	Inspection Date: 06/04/2025	<div><div>North Elevation</div><div>☉ 223°SW (T) • 29.785317, -95.318619 ±9ft ▲ -88ft</div><div>B 93 through B 25HWPW04 Jun 2025, 12:28:35 PM</div></div>	
Photo No. 8	Inspection Date: 06/04/2025	<div><div>FE-5</div><div>☉ 14°N (T) • 29.785405, -95.31832 ±9ft ▲ -29ft</div><div>FE 6HWPW04 Jun 2025, 11:57:59 AM</div></div>	
Description: FE-5 brown water staining observed at the southeastern corner of the FE reconstructed cap. Lat: 29.78532 Long: -95.31862		Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing north. Lat: 29.7854 Long: -95.31832	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 9	Inspection Date: 06/04/2025	<div><p>West Elevation</p><p>☉ 59°NE (T) • 29.785464, -95.318453 ±16ft ▲ -85ft</p><p>B 93 through B 25 HWPW 04 Jun 2025 12:28:03 PM</p></div>
Photo No. 10	Inspection Date: 06/04/2025	<div><p>NW 300 330 0 30 NE</p><p>☉ 358°N (T) • 29.784182, -95.320658 ±13ft ▲ -39ft</p><p>FE 7 HWPW 04 Jun 2025 11:59:30 AM</p></div>

Description:

FE-6 brown water staining observed along the western joint of the FE reconstructed cap. Standing water was solely along the joint perpendicular to western edge of FE-6.

Lat: 29.78546
Long: -95.31845



Description:

FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing north.

Lat: 29.78418
Long: -95.32066





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 11	Inspection Date: 06/04/2025		<div><div><div>NW</div><div>300</div><div>330</div><div>N</div><div>0</div><div>30</div><div>NE</div></div><div>☉ 352°N (T) • 29.784891, -95.319099 ±26ft ▲ -42ft</div><div></div><div>FE 8HWPW04 Jun 2025, 12:00:04 PM</div></div>
Photo No. 12	Inspection Date: 06/04/2025		<div><div><div>N</div><div>0</div><div>30</div><div>NE</div><div>60</div><div>E</div><div>90</div></div><div>☉ 40°NE (T) • 29.785232, -95.318383 ±9ft ▲ -42ft</div><div></div><div>FE 9HWPW04 Jun 2025, 12:00:44 PM</div></div>
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing north. Lat: 29.78489 Long: -95.3191			
Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northeast. Lat: 29.78523 Long: -95.31838			





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 13	Inspection Date: 06/04/2025	<div><div>SWW240270300330</div><div>277°W (T) • 29.784948, -95.317633 ±26ft ▲ -55ft</div><div>FE 10HWPW04 Jun 2025, 12:01:33 PM</div></div>	
Photo No. 14	Inspection Date: 06/04/2025	<div><div>SE120150180210SW</div><div>176°S (T) • 29.784396, -95.319647 ±26ft ▲ -42ft</div><div>FE 11HWPW04 Jun 2025, 12:02:14 PM</div></div>	
Description: FE-10 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing west. Lat: 29.78495 Long: -95.31763		Description: FE-11 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Lat: 29.7844 Long: -95.31965	





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 15	Inspection Date: 06/04/2025		<div><div>NW N</div><div><div>300330</div><div>030</div></div></div> <div>☉ 336°NW (T) • 29.785482, -95.318684 ±26ft ▲ -42ft</div> <div></div> <div>FE 12 HWPW 04 Jun 2025, 12:02:49 PM</div>
Description: FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest. Lat: 29.78548 Long: -95.31868			
Photo No. 16	Inspection Date: 06/04/2025		<div><div>S SW</div><div><div>150180</div><div>210240</div></div></div> <div>☉ 204°S (T) • 29.785095, -95.32119 ±13ft ▲ -42ft</div> <div></div> <div>FE 13 HWPW 04 Jun 2025, 12:03:47 PM</div>
Description: FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Lat: 29.7851 Long: -95.32119			



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 17	Inspection Date: 06/11/2025	<div>North Elevation ☉ 95°E (T) • 29.784237, -95.321063 ±9ft ▲ -36ft  FE 1&3 HWPW 11 Jun 2025, 10:03:45 AM</div>
Photo No. 18	Inspection Date: 06/11/2025	<div>West Elevation ☉ 25°N (T) • 29.78406, -95.320794 ±26ft ▲ -68ft  FE 2 HWPW 11 Jun 2025, 10:04:10 AM</div>

Description:

FE-1&3 weekly inspection of asphalt cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing east.

Lat: 29.78424

Long: -95.32106

Description:



FE-2 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing north.

Lat: 29.78406

Long: -95.32079



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 19	Inspection Date: 06/11/2025	<div>East Elevation ☉ 273°W (T) • 29.784856, -95.319458 ±9ft ▲ -78ft</div>  <div>FE 4 HWPW 11 Jun 2025, 10:04:54 AM</div>
Photo No. 20	Inspection Date: 06/11/2025	<div>North Elevation ☉ 156°SE (T) • 29.785402, -95.318519 ±19ft ▲ 16ft</div>  <div>FE 5 HWPW 11 Jun 2025, 10:15:25 AM</div>

Description:

FE-4 weekly inspection of asphalt cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing west.

Lat: 29.78486

Long: -95.31946

Description:



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

Lat: 29.7854

Long: -95.31852





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 21	Inspection Date: 06/11/2025	<div>West Elevation</div> <div>☉ 106°E (T) • 29.785522, -95.31845 ±26ft ▲ -26ft</div>  <div>FE 6 HWPW 11 Jun 2025, 10:16:02 AM</div>	
Photo No. 22	Inspection Date: 06/11/2025	<div>South Elevation</div> <div>☉ 334°NW (T) • 29.784166, -95.320637 ±9ft ▲ -26ft</div>  <div>FE 7 HWPW 11 Jun 2025, 10:17:29 AM</div>	
Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing east. Lat: 29.78552 Long: -95.31845		Description: FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest. Lat: 29.78417 Long: -95.32064	





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 23	Inspection Date: 06/11/2025	<div><div>West Elevation</div><div>☉ 30°N (T) • 29.78487, -95.319124 ±19ft ▲ -42ft</div><div>FE 8HWPW 11 Jun 2025, 10:18:19 AM</div></div>	
Photo No. 24	Inspection Date: 06/11/2025	<div><div>West Elevation</div><div>☉ 42°NE (T) • 29.785211, -95.318378 ±23ft ▲ -88ft</div><div>FE 9HWPW 11 Jun 2025, 10:19:00 AM</div></div>	
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing north. Lat: 29.78487 Long: -95.31912		Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northeast. Lat: 29.78521 Long: -95.31838	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 25	Inspection Date: 06/11/2025	<div><div>East Elevation</div><div>☉ 283°W (T) • 29.784948, -95.317641 ±13ft ▲ -85ft</div><div><p>FE 10</p><p>HWPW 11 Jun 2025, 10:19:56 AM</p></div></div>
Photo No. 26	Inspection Date: 06/11/2025	<div><div>South Elevation</div><div>☉ 356°N (T) • 29.784296, -95.319542 ±9ft ▲ -62ft</div><div><p>FE 11</p><p>HWPW 11 Jun 2025, 10:20:35 AM</p></div></div>

Description:

FE-10 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing west.

Lat: 29.78495
Long: -95.31764



Description:

FE-11 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing north.

Lat: 29.7843
Long: -95.31954





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 27	Inspection Date: 06/11/2025	<div>North Elevation</div> <div>☉ 161°SE (T) • 29.785565, -95.318728 ±9ft ▲ -68ft</div>  <div>FE 12 HWPW 11 Jun 2025, 10:21:11 AM</div>	
Description: FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southeast. Lat: 29.78556 Long: -95.31873			
Photo No. 28	Inspection Date: 06/11/2025	<div>North Elevation</div> <div>☉ 267°W (T) • 29.785089, -95.321237 ±16ft ▲ -49ft</div>  <div>FE 13 HWPW 11 Jun 2025, 10:22:16 AM</div>	
Description: FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing west. Lat: 29.78509 Long: -95.32124			





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 29	Inspection Date: 06/18/2025		<div><div>West Elevation</div><div>☉ 84°E (T) • 29.784266, -95.321046 ±9ft ▲ -190ft</div><div>FE 1&3HWPW 18 Jun 2025, 11:21:43 AM</div></div>
Description: FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing east. Lat: 29.78427 Long: -95.32105			
Photo No. 30	Inspection Date: 06/18/2025		<div><div>West Elevation</div><div>☉ 5°N (T) • 29.784062, -95.320777 ±9ft ▲ -150ft</div><div>FE 2HWPW 18 Jun 2025, 11:22:06 AM</div></div>
Description: FE-2 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing north. Lat: 29.78406 Long: -95.32078			





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 31	Inspection Date: 06/18/2025	<div><div>South Elevation</div><div>☉ 268°W (T) • 29.784868, -95.319425 ±9ft ▲ -180ft</div><div>FE 4 HWPW 18 Jun 2025, 11:22:44 AM</div></div>	
Photo No. 32	Inspection Date: 06/18/2025	<div><div>East Elevation</div><div>☉ 246°SW (T) • 29.785419, -95.318494 ±9ft ▲ -82ft</div><div>FE 5 HWPW 18 Jun 2025, 11:23:31 AM</div></div>	
Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing west. Lat: 29.78487 Long: -95.31942		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: -95.31849	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 33	Inspection Date: 06/18/2025	<div><div>East Elevation</div><div>☉ 171°S (T) • 29.785582, -95.318345 ±9ft ▲ -95ft</div><div>FE 6HWPW 18 Jun 2025, 11:24:05 AM</div></div>
Photo No. 34	Inspection Date: 06/18/2025	<div><div>South Elevation</div><div>☉ 347°NW (T) • 29.784171, -95.320639 ±9ft ▲ -52ft</div><div>FE 7HWPW 18 Jun 2025, 11:24:52 AM</div></div>

Description:

FE-6 weekly inspection of asphalt cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing south.

Lat: 29.78558

Long: -95.31834

Description:



FE-7 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing northwest.

Lat: 29.78417

Long: -95.32064





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 35	Inspection Date: 06/18/2025	<div><div>West Elevation</div><div>☉ 330°NW (T) • 29.78491, -95.31905 ±23ft ▲ -49ft</div><div>FE 8HWPW 18 Jun 2025, 11:25:29 AM</div></div>	
Photo No. 36	Inspection Date: 06/18/2025	<div><div>South Elevation</div><div>☉ 346°NW (T) • 29.785201, -95.318382 ±26ft ▲ -42ft</div><div>FE 9HWPW 18 Jun 2025, 11:25:55 AM</div></div>	
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest. Lat: 29.78491 Long: -95.31905		Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest. Lat: 29.7852 Long: -95.31838	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 37	Inspection Date: 06/18/2025	<div><div>East Elevation</div><div>☉ 249°SW (T) • 29.784971, -95.317659 ±26ft ▲ -49ft</div><div><div>FE 10HWPW 18 Jun 2025, 11:26:33 AM</div></div></div>
Photo No. 38	Inspection Date: 06/18/2025	<div><div>North Elevation</div><div>☉ 161°SE (T) • 29.784421, -95.319599 ±26ft ▲ -42ft</div><div><div>FE 11HWPW 18 Jun 2025, 11:27:02 AM</div></div></div>

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: -95.31766



Description:

FE-11 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing southeast.

Lat: 29.78442
Long: -95.3196





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 39	Inspection Date: 06/18/2025	<div><div><div>South Elevation</div><div>☉ 332°NW (T) • 29.785469, -95.318674 ±26ft ▲ -42ft</div><div>FE 12HWPW 18 Jun 2025, 11:27:34 AM</div></div><div><div>Description:</div><div>FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest.</div><div>Lat: 29.78547 Long: -95.31867</div></div></div>	
Photo No. 40	Inspection Date: 06/18/2025	<div><div><div>North Elevation</div><div>☉ 159°SE (T) • 29.785107, -95.321252 ±26ft ▲ -29ft</div><div>FE 13HWPW 18 Jun 2025, 11:28:22 AM</div></div><div><div>Description:</div><div>FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southeast.</div><div>Lat: 29.78511 Long: -95.32125</div></div></div>	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 41	Inspection Date: 06/25/2025	<div>West Elevation ☉ 72°NE (T) • 29.784175, -95.321004 ±19ft ▲ -72ft</div>  <div>FE 1&3HWPW 25 Jun 2025, 9:47:56 AM</div>
Photo No. 42	Inspection Date: 06/25/2025	<div>West Elevation ☉ 63°NE (T) • 29.784043, -95.320818 ±16ft ▲ -68ft</div>  <div>FE:2HWPW 25 Jun 2025, 9:48:31 AM</div>

Description:

FE-1&3 weekly inspection of asphalt cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing northeast.

Lat: 29.78418

Long: -95.321

Description:



FE-2 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing northeast.

Lat: 29.78404

Long: -95.32082





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 43	Inspection Date: 06/25/2025	<div><div>West Elevation</div><div>☉ 72°NE (T) • 29.784696, -95.319647 ±9ft ▲ -65ft</div><div>FE 4HWPW 25 Jun 2025, 9:49:03 AM</div></div>	
Photo No. 44	Inspection Date: 06/25/2025	<div><div>South Elevation</div><div>☉ 295°W (T) • 29.7854, -95.318501 ±13ft ▲ -65ft</div><div>FE 5HWPW 25 Jun 2025, 9:49:34 AM</div></div>	
Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northeast. Lat: 29.7847 Long: -95.31965		Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing west. Lat: 29.7854 Long: -95.3185	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 45	Inspection Date: 06/25/2025	<div>South Elevation ☉ 313°NW (T) • 29.785425, -95.31822 ±23ft ▲ -68ft</div>  <div>FE 6 HWPW 25 Jun 2025, 9:50:20 AM</div>
Photo No. 46	Inspection Date: 06/25/2025	<div>South Elevation ☉ 353°N (T) • 29.784164, -95.320651 ±26ft ▲ -68ft</div>  <div>FE 7 HWPW 25 Jun 2025, 9:51:26 AM</div>

Description:

FE-6 weekly inspection of asphalt cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing northwest.

Lat: 29.78542

Long: -95.31822

Description:



FE-7 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing north.

Lat: 29.78416

Long: -95.32065





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 47	Inspection Date: 06/25/2025	<div>West Elevation</div> <div>☉ 20°N (T) • 29.784863, -95.319139 ±9ft ▲ -65ft</div>  <div>FE 8 HWPW 25 Jun 2025, 9:52:00 AM</div>	
Photo No. 48	Inspection Date: 06/25/2025	<div>West Elevation</div> <div>☉ 42°NE (T) • 29.785211, -95.318416 ±19ft ▲ -82ft</div>  <div>FE 9 HWPW 25 Jun 2025, 9:52:37 AM</div>	
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing north. Lat: 29.78486 Long: -95.31914		Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northeast. Lat: 29.78521 Long: -95.31842	



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 49	Inspection Date: 06/25/2025	<div>2665 Harlem St, Houston, TX 77020, USA ☉ 300°W (T) • 29.784895, -95.317659 ±9ft ▲ -85ft</div>  <div>FE 10 HWPW 25 Jun 2025, 9:53:34 AM</div>
Photo No. 50	Inspection Date: 06/25/2025	<div>5110 Terry St, Houston, TX 77009, USA ☉ 358°N (T) • 29.784289, -95.31957 ±9ft ▲ -88ft</div>  <div>FE 11 HWPW 25 Jun 2025, 9:54:50 AM</div>

Description:

FE-10 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing west.

Lat: 29.7849
Long: -95.31766



Description:

FE-11 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing north.

Lat: 29.78429
Long: -95.31957





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 51	Inspection Date: 06/25/2025	<div>2665 Harlem St, Houston, TX 77020, USA</div> <div>☉ 180°S (T) • 29.785554, -95.318708 ±9ft ▲ -52ft</div> <div></div> <div>FE 12HWPW 25 Jun 2025, 9:55:43 AM</div>	
Description: FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Lat: 29.78555 Long: -95.31871			
Photo No. 52	Inspection Date: 06/25/2025	<div>4910 Liberty Rd, Houston, TX 77026, USA</div> <div>☉ 199°S (T) • 29.785081, -95.321225 ±9ft ▲ -42ft</div> <div></div> <div>FE 13HWPW 25 Jun 2025, 9:56:39 AM</div>	
Description: FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Lat: 29.78508 Long: -95.32122			



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 53	Inspection Date: 06/04/2025	<div><p>East Elevation</p><p>☉ 267°W (T) • 29.784302, -95.320773 ±9ft ▲ -68ft</p><p>B 99 / B 100</p><p>HWPW 04 Jun 2025, 1:09:44 PM</p></div>
Photo No. 54	Inspection Date: 06/04/2025	<div><p>East Elevation</p><p>☉ 263°W (T) • 29.784249, -95.320885 ±26ft ▲ -52ft</p><p>B 103 / B 104</p><p>HWPW 04 Jun 2025, 1:03:45 PM</p></div>

Description:

Sump 1 (B99/B100), 0.0 inches of freeboard in sump. Color is dark brown, and no sheen or odor observed.

Lat: 29.7843

Long: -95.32077

Description:



Sump 2 (B103/B104), 9.5 inches of freeboard in sump. Color is tan, and no sheen or odor observed.

Lat: 29.78425

Long: -95.32088






PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 55	Inspection Date: 06/04/2025		
Description: Sump 3 (B107/B108), 9.0 inches of freeboard in sump. Color is tan, and no sheen or odor observed. Lat: 29.78419 Long: -95.321			
Photo No. 56	Inspection Date: 06/11/2025		
Description: Sump 1 (B99/B100), 0.0 inches of freeboard in sump. Color is dark brown, and no sheen or odor observed. Lat: 29.78433 Long: -95.32073			





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 57	Inspection Date: 06/11/2025	<div><p>South Elevation</p><p>2°N (T) • 29.784235, -95.320837 ±9ft ▲ -49ft</p><p>B 103 / B 104 HWPW 11 Jun 2025, 2:57:04 PM</p></div>	
Description: Sump 2 (B103/B104), 0.0 inches of freeboard in sump. Color is tan, and no sheen or odor observed. Lat: 29.78424 Long: -95.32084		<div><p>East Elevation</p><p>291°W (T) • 29.784206, -95.320984 ±23ft ▲ -16ft</p><p>B 107 / B 108 HWPW 11 Jun 2025, 2:56:26 PM</p></div>	
Photo No. 58	Inspection Date: 06/11/2025	<div><p>East Elevation</p><p>291°W (T) • 29.784206, -95.320984 ±23ft ▲ -16ft</p><p>B 107 / B 108 HWPW 11 Jun 2025, 2:56:26 PM</p></div>	
Description: Sump 3 (B107/B108), 0.0 inches of freeboard in sump. Color is tan, and no sheen or odor observed. Lat: 29.78421 Long: -95.32098			



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 59	Inspection Date: 06/18/2025	<div><p>North Elevation</p><p>☉ 116°E (T) • 29.784281, -95.320784 ±13ft ▲ -265ft</p><p>B 99 / B 100 HWPW 18 Jun 2025, 2:01:56 PM</p></div>
Photo No. 60	Inspection Date: 06/18/2025	<div><p>North Elevation</p><p>☉ 291°W (T) • 29.784219, -95.32087 ±9ft ▲ -42ft</p><p>B 103 / B 104 HWPW 18 Jun 2025, 2:05:21 PM</p></div>

Description:

Sump 1 (B99/B100), 1.5 inches of freeboard in sump. Color is dark brown, and no sheen or odor observed.

Lat: 29.78428

Long: -95.32078

Description:



Sump 2 (B103/B104), 6.5 inches of freeboard in sump. Color is tan, and no sheen or odor observed.

Lat: 29.78422

Long: -95.32087





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 61	Inspection Date: 06/18/2025		<div><div>East Elevation</div><div>☉ 287°W (T) • 29.784211, -95.320992 ±16ft ▲ 6ft</div><div>B 107 / B 108</div><div>HWPW 18 Jun 2025, 2:08:29 PM</div></div>
Description: Sump 3 (B107/B108), 6.0 inches of freeboard in sump. Color is tan, and no sheen or odor observed. Lat: 29.78421 Long: -95.32099			
Photo No. 62	Inspection Date: 06/25/2025		<div><div>W W NW</div><div>☉ 284°W (T) • 29.784264, -95.320771 ±26ft ▲ -52ft</div><div>B-99 / B-100</div><div>HWPW 25 Jun 2025, 10:38:59 AM</div></div>
Description: Sump 1 (B99/B100), 0.0 inches of freeboard in sump. Color is dark brown, and no sheen or odor observed. Lat: 29.78426 Long: -95.32077			





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 63	Inspection Date: 06/25/2025		 <p>B-103 / B-104</p> <p>HWPW 25 Jun 2025, 10:38:12 AM</p>
Description: Sump 2 (B103/B104), 6.5 inches of freeboard in sump. Color is brown, and no sheen or odor observed. Lat: 29.78421 Long: -95.32088			
Photo No. 64	Inspection Date: 06/25/2025		 <p>B-107 / B-108</p> <p>HWPW 25 Jun 2025, 10:36:40 AM</p>
Description: Sump 3 (B107/B108), 6.0 inches of freeboard in sump. Color is brown, and no sheen or odor observed. Lat: 29.78417 Long: -95.32101			



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 65	Inspection Date: 06/04/2025	<div><p>West</p><p>☉ 272°W (T) • 29.784148, -95.320952 ±13ft ▲ -75ft</p><p>B 107</p><p>HWPW 04 Jun 2025, 12:07:31 PM</p></div>
Photo No. 66	Inspection Date: 06/04/2025	<div><p>North</p><p>☉ 358°N (T) • 29.784142, -95.320957 ±29ft ▲ -9ft</p><p>B 107</p><p>HWPW 04 Jun 2025, 12:12:11 PM</p></div>

Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 9 cubic inches of NAPL observed along joint.

Lat: 29.78415

Long: -95.32095

Description:



B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 9 cubic inches of NAPL observed along joint.

Lat: 29.78414

Long: -95.32096





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 67	Inspection Date: 06/11/2025	<div><div>East Elevation</div><div>☉ 314°NW (T) • 29.784138, -95.32096 ±9ft ▲ -55ft</div><div>B 107HWPW 11 Jun 2025, 10:26:01 AM</div></div>	
Photo No. 68	Inspection Date: 06/11/2025	<div><div>West Elevation</div><div>☉ 291°W (T) • 29.784196, -95.320996 ±23ft ▲ -32ft</div><div>B 107HWPW 11 Jun 2025, 2:41:24 PM</div></div>	
Description: B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 3 cubic inches of NAPL observed along joint. Lat: 29.78414 Long: -95.3201		Description: B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 3 cubic inches of NAPL observed along joint. Lat: 29.7842 Long: -95.321	





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 69	Inspection Date: 06/18/2025		<div><div>South Elevation</div><div>☉ 324°NW (T) • 29.784154, -95.320947 ±9ft ▲ -68ft</div><div>B 107 HWPW 18 Jun 2025, 11:31:05 AM</div></div>
<div>Description: B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 3 cubic inches of NAPL observed along joint. Lat: 29.78415 Long: -95.32095</div>			
Photo No. 70	Inspection Date: 06/18/2025		<div><div>South Elevation</div><div>☉ 214°SW (T) • 29.78418, -95.321008 ±13ft ▲ -187ft</div><div>B 107 HWPW 18 Jun 2025, 1:59:22 PM</div></div>
<div>Description: B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 3 cubic inches of NAPL observed along joint. Lat: 29.78418 Long: -95.32101</div>			


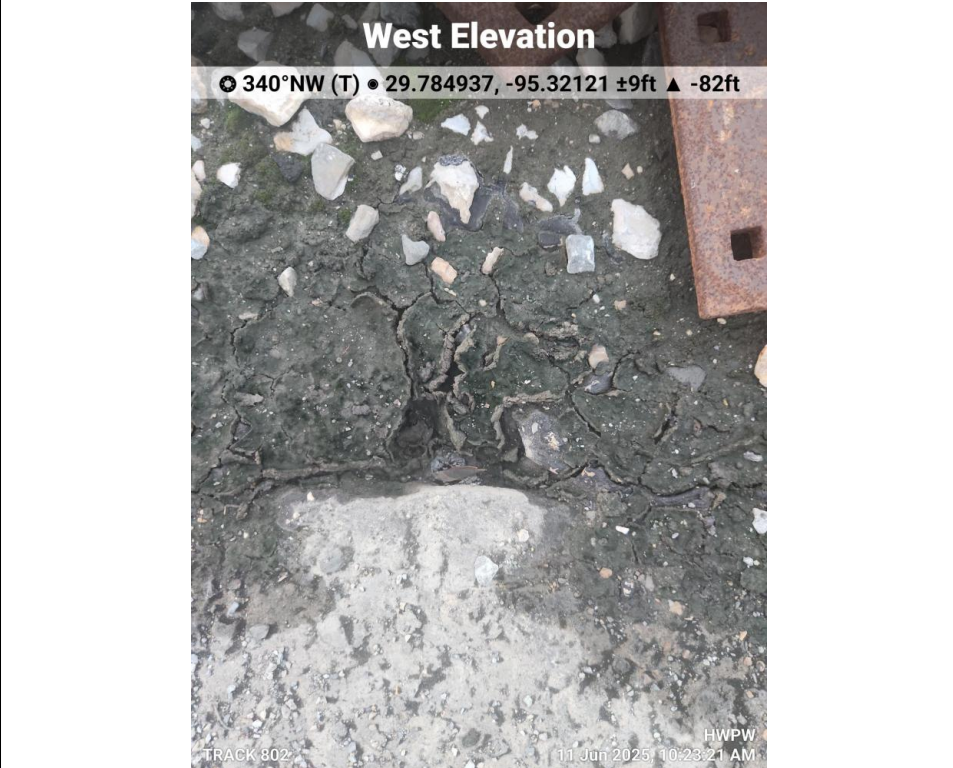


PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 71	Inspection Date: 06/25/2025	 <p>⊙ 311°NW (T) • 29.784147, -95.320955 ±9ft ▲ -55ft</p> <p>HWPW Default Site Location: Lat: 29.78413, Lon: -95.32091 Accuracy: 0.00, Wed Jun 25 2025 25 Jun 2025, 10:02:29 AM</p>	
Photo No. 72	Inspection Date: 06/25/2025	 <p>2508 Wipprecht St, Houston, TX 77020, USA</p> <p>⊙ 342°NW (T) • 29.784135, -95.320877 ±36ft ▲ 98ft</p> <p>HWPW B-107 25 Jun 2025, 10:08:06 AM</p>	
Description: B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 5 cubic inches of NAPL observed along joint.		Description: B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 5 cubic inches of NAPL observed along joint.	
Lat: 29.78415 Long: -95.32096		Lat: 29.78414 Long: -95.32088	





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 73	Inspection Date: 06/04/2025		
Description: Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No NAPL observed at location. Lat: 29.78495 Long: -95.32121			
Photo No. 74	Inspection Date: 06/11/2025		
Description: Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No NAPL observed at location. Lat: 29.78494 Long: -95.32121			





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 75	Inspection Date: 06/18/2025		<div>West Elevation</div> <div>☉ 214°SW (T) • 29.78495, -95.321207 ±9ft ▲ -68ft</div>  <div>Track 802</div> <div>HWPW 18 Jun 2025, 11:29:19 AM</div>
Description: Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 1 cubic inches of NAPL observed along joint. Lat: 29.78495 Long: -95.32121			
Photo No. 76	Inspection Date: 06/18/2025		<div>North Elevation</div> <div>☉ 137°SE (T) • 29.784941, -95.321201 ±9ft ▲ -88ft</div>  <div>Track 802</div> <div>HWPW 18 Jun 2025, 1:53:26 PM</div>
Description: Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 1 cubic inches of NAPL observed along joint. Lat: 29.78494 Long: -95.3212			





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 77	Inspection Date: 06/25/2025	<div>5318 Liberty Rd, Houston, TX 77026, USA</div> <div>☉ 223°SW (T) • 29.784926, -95.321219 ±9ft ▲ -82ft</div>  <div>Track 802</div> <div>HWPW 25 Jun 2025, 9:57:42 AM</div>	
Photo No. 78	Inspection Date: 06/04/2025	<div>North Elevation</div> <div>☉ 56°NE (T) • 29.784277, -95.317635 ±9ft ▲ -108ft</div>  <div>H 20</div> <div>HWPW 04 Jun 2025, 12:30:12 PM</div>	
Description: Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No NAPL observed at location. Lat: 29.78493 Long: -95.32122		Description: Remnants of tar-like NAPL material near stall H020. No additional tar-like material accumulated along joint. Lat: 29.78428 Long: -95.31764	





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 79	Inspection Date: 06/11/2025	<div>North Elevation</div> <div>☉ 40°NE (T) • 29.78426, -95.317566 ±9ft ▲ 3ft</div>  <div>H-20 HWPW 11 Jun 2025, 3:12:03 PM</div>	
Photo No. 80	Inspection Date: 06/25/2025	<div>2420 Erastus St, Houston, TX 77020, USA</div> <div>☉ 94°E (T) • 29.784259, -95.317637 ±9ft ▲ -52ft</div>  <div>H-20 HWPW 25 Jun 2025, 9:59:40 AM</div>	
Description: Remnants of tar-like NAPL material near stall H020. No additional tar-like material accumulated along joint. Lat: 29.78426 Long: -95.31757		Description: Remnants of tar-like NAPL material near stall H020. No additional tar-like material accumulated along joint. Lat: 29.78426 Long: -95.31764	





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 81	Inspection Date: 06/04/2025		<div><div>East Elevation</div><div>☉ 242°SW (T) • 29.785302, -95.318859 ±9ft ▲ 3ft</div><div>A 25 through A 110HWPW04 Jun 2025, 12:18:11 PM</div></div>
<div>Description: Brown water staining along the joint that runs from A025 through A110. Facing southwest. Lat: 29.7853 Long: -95.31886</div>			
Photo No. 82	Inspection Date: 06/04/2025		<div><div>East Elevation</div><div>☉ 241°SW (T) • 29.784759, -95.319964 ±9ft ▲ -3ft</div><div>A 25 through A 110HWPW04 Jun 2025, 12:20:16 PM</div></div>
<div>Description: Brown water staining along the joint that runs from A025 through A110. Facing southwest. Lat: 29.78476 Long: -95.31996</div>			



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 83	Inspection Date: 06/04/2025		
Description: Brown water staining along the joint that runs from B025 through B093. Facing northeast. Lat: 29.78434 Long: -95.32059			<div><div>South Elevation</div><div>☉ 66°NE (T) • 29.784345, -95.320593 ±9ft ▲ -16ft</div><div>B 93 through B 25HWPW04 Jun 2025, 12:24:32 PM</div></div>
Photo No. 84	Inspection Date: 06/04/2025		
Description: Brown water staining along the joint that runs from B025 through B093. Facing northeast. Lat: 29.78439 Long: -95.32063			<div><div>West Elevation</div><div>☉ 67°NE (T) • 29.784394, -95.320633 ±9ft ▲ -16ft</div><div>B 93 through B 25HWPW04 Jun 2025, 12:24:24 PM</div></div>