

May 12, 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 April 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 April 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.

WSP USA 1601 S Mopac Expy Suite 325D Austin, TX 78746

Weekly Focused Excavation Inspections

- WSP, on behalf of UPRR, conducted weekly inspections of the 13 completed Focused Excavation reconstructed cap areas on April 2, 9, 16, 23, and 30, 2025. Photographs from the weekly inspections are provided in Attachment A under Photo Numbers 1 through 76.
- WSP noted that the reconstructed Focused Excavation 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.
- During the weekly inspection on April 2, WSP observed brown water staining in the cracks and joints of the asphalt immediately adjacent to the reconstructed concrete cap for FE-5, particularly the southern and southeastern corners of the cap (Photo Nos. 5 and 6). On April 4, UPRR remediation contractor E3 was mobilized to the site to pressure wash areas of brown water staining. During the next weekly inspection on April 9, WSP only noted new brown water staining at the southeastern corner of FE-5 (Photo No. 19). During the April 16 inspection, WSP observed brown water staining at FE-5 at the southern corner (Photo No. 32), the southeastern corner (Photo No. 33), and the southern joint (Photo No. 34). This brown staining was noted during the April 23 inspection, although the standing water in the joints was caused by rain water (Photo Nos. 49 and 50). The small amount of standing water was observed within the cracks and joints and additional brown staining was observed particularly the southern and southeastern corners of the reconstructed cap during the April 30 inspection (Photo Nos. 65, 66 and 67).
- During the weekly inspection on April 2, WSP observed minor brown staining along the western and southern edges of FE-6. On April 4, UPRR remediation contractor E3 was mobilized to the site to pressure wash areas of brown water staining. There was no staining noted during the weekly inspection on April 9. During the next weekly inspection on April 16, a small amount of standing water (brown water) was observed within the cracks and joints of the asphalt immediately adjacent to the reconstructed asphalt cap (Photo Nos. 36 and 37). The small amount of standing water within the cracks and joints was observed. WSP noted additional brown staining within the western joint of the reconstructed cap during the remaining April inspections (Photo No. 69).
- During the weekly inspection of April 30, WSP observed brown staining northeast of FE-1&3 (Photo Nos. 60 and 61). This staining was not within the joints along FE-1&3 but to the northeast of the reconstructed cap.
- 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. WSP will continue to monitor the brown water staining near FE1&3.

Revised IWMP Waste Management and Disposal

- Soils/Miscellaneous
 - No soil/miscellaneous waste related to IMWP on site.
- Stormwater
 - A Temporary Discharge Authorization (TDA) was granted by the City of Houston (COH) Public Works on January 17, 2025, authorizing UPRR to discharge approximately 320,000 gallons of construction stormwater generated during the Focused Excavation activities into the City's

- POTW through the permitted water treatment plant located at the UPRR Settegast Yard (Industrial Wastewater Treatment Plant (IWTP)).
- On April 1, E3 resumed discharge of the containerized stormwater into the Settegast IWTP and discharged approximately 16,300 gallons of stormwater each day.
- Stormwater from the FE activities was not discharged from April 18th through April 23rd due to Good Friday holiday and operational restrictions due to recent rain events.
- As of April 29, all construction stormwater associated with the FE activities was discharged. A total of 319,200 gallons of stormwater were discharged using the TDA at the UPRR Settegast Yard IWTP, with approximately 246,500 gallons discharged in April. The initial estimated volume of stormwater stored in the frac tanks (about 400,000 gallons) was overestimated due to the volume calculations of the frac tanks.
- As of April 30, the remaining FE waste to be managed is a mixture of sediment and stormwater which settled out of suspension within the construction stormwater frac tanks. UPRR is currently in the process of characterizing the sediment for disposal, which is anticipated to occur in June.

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 April 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 measure freeboard levels visually and 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 April 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. Water levels in NAPL Collection System Sump 1, Sump 2, and Sump 3 were measured below the top of the manholes as summarized in the following table:

Date	Sump 1 (DTW, inches)	Sump 2 (DTW, inches)	Sump 3 (DTW, inches)	Photo Nos (Attachment A)
April 2	0.0	7.5	7.0	77, 78, and 79
April 9	27.0	36.0	35.0	80, 81, and 82
April 16	22.5	35.5	35.5	83, 84, and 85

April 23	NM	31.0	30.5	86, 87, and 88
April 30	1.0	28.5	29.0	89, 90, and 91

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

NM – not measured. The water level of Sump 1 was unable to be measured on April 23, 2025 due to pooled rainwater on the sump cover.

- UPRR remediation contractor E3 pumped down the water in the sumps on April 4, 2025. Recovered water was transported and disposed of at the McCarty Landfill facility.
- During the April 2025 inspections, the water in Sump 1 was observed to be clear, brown, or dark brown in color. The water in Sump 2 was observed to be tan, brown, or dark brown. The water in Sump 3 was observed to be clear, tan, or brown. A sheen was observed in Sump 1 on April 30, but no odors or other sheens were reported during the April inspections. After the sump down event, the color of the water became much darker.
- NAPL seeps were not observed along the concrete joints near the NAPL Collection System (including Stall B107) during the April 2 and 9 inspections. Approximately 3 cubic inches of NAPL were recovered from B107 during inspections on April 16, 23, and 30; a total of 9 cubic inches of NAPL was recovered during April. The seep at B107 was last active on September 4, 2024, and a NAPL seep has not been observed since November 20, 2024.

Areas Outside NAPL Collection System Inspections

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

- NAPL seeps were not observed at Track 802 or any areas outside the NAPL Collection System except for the seep at B107 during the weekly inspection events in April 2025 (Photo Nos. 92 through 101). The volume of NAPL from the surface seep at B107 increased from 0 gallons over 4 inspections in March to 0.04 gallons over 5 inspections in April. In comparison prior to implementing the Focused Excavations, approximately 0.25 gallons of NAPL were collected from the surface seeps during April 2024. The material recovered was placed in a drum staged at the CSA for disposal.
- 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 April 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 along the asphalt joints running between stalls A050 and A070 and B014 and B029 during the weekly inspection on April 2 (Photo Nos. 102 through 105). UPRR remediation contractor E3 was mobilized to the site on April 4 to pressure wash areas of brown water staining and to collect any water generated during pressure washing or from the brown water seeps to be properly disposed (Photo No. 106). During the next weekly inspection on April 9, WSP noted that the brown water staining had been removed except for small amounts in cracks of the asphalt (Photo Nos. 107 and 110). By the next weekly inspection on April 16, the brown water staining had returned along the asphalt joints running between stalls A050 and A070 and B014 and B029, but the stained locations were all dry (Photo Nos. 111 and 112). WSP noted additional

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brown staining between stalls A050 and A070 and B014 and B029 during the remaining April inspections (Photo Nos. 113 through 120). UPRR remediation contractor E3 will be mobilized to the site in early May to pressure wash areas of brown water staining and to collect any water generated during pressure washing or

from the brown water seeps to be properly disposed.

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

Keshab Gyawali, P.E.

Lead Consultant, Civil Engineer

CC: Kevin Peterburs, UPRR - Milwaukee, WI

Karina Rocha, Waste Section Manager, TCEQ Region 12, Houston

Table 1 – NAPL Measurements – NAPL Collection System Attachment

Attachment A - Weekly Inspection Photolog

May 12, 2025

	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				
					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				
					Less than 0.1 gal of DNAPL recovered from B107/B108				
10/24/2019	3	35	25	Not measurable	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	Less than 0.1 gal of DNAPL recovered from B107/B108				
11/13/2019	7	30	29	Not measurable	Sump				
11/19/2019	4	26	25.5	Not measurable					
11/27/2019	0	25	23	Not measurable					
42/2/22	2	35.5	25	Not	Less than 0.1 gal of DNAPL recovered from B107/B108				
12/3/2019	2	25.5	25	Not measurable	Sump Less than 0.1 gal of DNAPL recovered from B107/B108				
12/11/2019	1.5	17	16.54	Not measurable	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	Trace non-samps pamped out				
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				
5/4/2020				Not Measured	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				
					Less than 0.1 gal of DNAPL recovered from B107/B108				
7/8/2020	34	24.5	24	Not measurable	Sump				
					Sheen visible in B99/B100 sump & B107/B108 sump,				
7/15/2020	32	29.5	29	Not measurable	less than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108				
7/23/2020	0	23	22.5	Not measured	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		Not measurable					
			6						
8/26/2020	0	10	9	Not measurable					
					Sumps 1, 2, & 3 pumped down (September 1); Sheen				
9/2/2020	43	37	38	Not measurable	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					

	Sump 1 Sump 2 Sump 3							
Measured Date 9/30/2020	(B099/B100) Freeboard (in)	(B103/B104) Freeboard (in)	(B107/B108) Freeboard (in)	Depth to DNAPL (in) Not measurable	Comments			
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 7	13 14	12 13.5	Not measurable				
11/24/2020 11/30/2020	2	7	6	Not measurable Not measurable				
12/10/2020	5	10.5	10	Not measurable				
12/18/2020	4	10	9	Not measurable				
12/23/2020	1	9	7.5	Not measurable				
12/31/2020	0	4	3.5	Not measurable				
1/6/2021	4	10.5	9	Not measurable				
1/15/2021	43	39	37.5	Not measurable	Sumps 1, 2, & 3 pumped down			
1/22/2021 1/29/2021	2	34 31	33 30	Not measurable Not measurable	Sheen visible in B107/B108 sump 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	Sheen visible in 2000/2100 Sump			
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 4/8/2021	0	6.5 7.5	7	Not measurable Not measurable				
4/6/2021	U	7.5	,	Not measurable				
					Less than 0.1 gal of DNAPL recovered B107/B108 sump;			
4/14/2021	0	6.5	6	Not measurable	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 2	0.5	Not measurable Not measurable				
5/26/2021 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	, p			
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 7/21/2021	0	0 39	0	Not measurable	Sumps 1,2, & 3 pumped down (July 15)			
7/21/2021	0	39	37 35.5	Not measurable Not measurable				
8/4/2021	0	36	34	Not measurable	Sheen visible in B103/104 and B107/B108 sumps			
5, ,,=5==					Depth to DNAPL measurements were not taken; the			
8/11/2021	0	33	32	Not Measured	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	0	14	11	Not measurable	Sumps 1.2. & 3 numped down (Sontomber 17)			
9/15/2021 9/22/2021	31.5	3 46	4 46	Not measurable Not measurable	Sumps 1,2, & 3 pumped down (September 17) 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				
					Sheen visible in B103/104 and B107/B108 sumps;			
					brown discoloration and slight odor noted B099/B100			
10/13/2021	3.6	10.56	9.72	Not measurable	sump			
10/20/2021	0	13.94	12.6	Not measurable	Sumps 1,2, & 3 pumped down (October 21)			
10/27/2021	10	22	21	Not measurable	Sheen visible in B099/B100 sump			
11/3/2021 11/10/2021	10 12	20 16	21 15	Not measurable Not measurable				
11/10/2021	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				
45.55					Partial site inspection conducted 12/22/21; Sump			
12/22/2021	-	- 14.5	-	Not Measured	measurements were not taken			
12/29/2021	0 75	11.5	11 25	Not measurable				
1/5/2022	8.75	13.5	12.25	Not measurable				

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
1/12/2022	6	12	12	Not measurable	St
1/19/2022 1/27/2022	13.5 3	17 9	16 9	Not measurable Not measurable	Sheen visible in B099/B100 sump
1/2//2022	3	9	9	Not measurable	Measurements were not taken; the inspector was
2/2/2022	_	_	_	Not Measured	unable to open the sumps
2/9/2022	9	15	15	Not measurable	anable to open the samps
2/16/2022	8.5	17	16	Not measurable	
2/23/2022	5.5	14	13.5	Not measurable	
3/2/2022	5.5	15	14	Not measurable	
3/9/2022	4.5	7	6	Not measurable	
3/16/2022	48	36	45	Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.5 gal of DNAPL recovered B107/B108 sump
3/23/2022	6	29	28	Not measurable	
3/30/2022	5.5	28	28	Not measurable	
4/6/2022	3.5	19	18	Not measurable	
4/13/2022	4.5	18	15	Not measurable	Sheen visible in B099/B100 sump
4/20/2022	5	18	18	Not measurable	Sheen visible in B099/B100 sump
4/27/2022	4.5	12	8.5	Not measurable	
5/4/2022	48	42	45	Not measurable	Sumps 1,2, & 3 pumped down during inspection; Sheer visible in B099/B100 sump Sheen visible in B099/B100, B103/104, and B107/B108
5/11/2022	16	44.5	44	Not measurable	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 7/27/2022 8/3/2022	51.5 4 5	38 42 39	43.5 40 39	Not measurable Not measurable Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump
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	Silient visible in B107/B108 sump
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
5, 2 1, 2 2 2					Sumps 1,2, & 3 pumped down during inspection; sheen
8/31/2022	52	52	48	Not measurable	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 10/26/2022	48 6	48 46	48 45	Not measurable 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 Sheen visible in B107/B108 sump
11/2/2022	4	19	19	Not measurable	Silver visible in D107/D100 sump
11/2/2022	6	19	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	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/[0108 sumps
12/14/2022	0	0	0	Not measurable	recovered from B107/B108 sump
12/21/2022	4	8	7	Not measurable	
	16	14	14	Not measurable	
12/28/2022					
1/4/2023	3.5	7.5	6	Not measurable	
	3.5 12 3	7.5 12 13	3 13	Not measurable Not measurable Not measurable	

UPRR Houston, tx - Wood Preserving Works							
M	Sump 1 (B099/B100)	Sump 2 (B103/B104)	Sump 3 (B107/B108)	Double to DNADI (to)			
Measured Date 2/1/2023	Freeboard (in)	Freeboard (in)	Freeboard (in)	Not measurable	Comments		
2/8/2023	5	13	12	Not measurable			
, , , , ,		_			Sumps B099/B100, B103/B104, and B107/B108		
2/15/2023	<1	2	2.5	Not measurable	pumped down during inspection		
					Sheen visible in B099/B100, B103/B104, and B107/B108		
					sumps; water in B099/B100 noted as brown color with		
2/22/2023	32	42	43	Not measurable	high turbidity		
					Channelist I - in P000 /P400 P400 /P404 and P407 /P400		
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		
5/5/2525					B099/B100 and B013/B104 brown color; B107/B108		
3/15/2023	4	42	41	Not measurable	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		
					All three sumps pumped down during inspection,		
4/12/2023	4	12	14	Not measurable	B099/B100 brown color		
4/19/2023	5	42	42	Not measurable	Sheen visible in B107/B108 sump		
4/26/2023 5/3/2023	3	31.5 18	31.5 17.5	Not measurable Not measurable	Sheen visible in B107/B108 sump		
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.		
					B099/B100 water color brown. B103/B104 and		
5/31/2023	28	50	49	Not measurable	B107/B108 water color light brown.		
					Sheen visible in all Sumps. B099/B0100 water color		
					brown and, light brown on both B103/B104 and		
6/7/2023	3	38	37	Not measurable	B107/B108.		
					Shaan Visible in 2000/2100 8 2107/2109 water salar		
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.		
0/14/2023	<u> </u>	30	37	Not measurable	Sheen Visible in B107/B108. water color brown on		
6/21/2023	3	36	37	Not measurable	B099/B100 & light brown in all other sumps.		
, ,					Sheen Visible in B099/B100 & B107/B108. water color		
					dark brown on B099/B100 & B107/B108, light brown in		
6/28/2023	3	31	31	Not measurable	B103/B104.		
					Sheen Visible in B099/B100 and B107/B108. Water color		
7/12/2022	2	20	10	Not managements	brown on B099/B100, light brown in B103/B104.		
7/12/2023	3	20	19	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water		
					color brown on B099/B100 and clear on B103/B104 and		
7/19/2023	3	19	19	Not measurable	B107/B108.		
					Sheen Visible on B099/B100 and B107/B108. Water		
					color brown on B099/B100, light brown on B103/B104,		
7/26/2023	3	21	20	Not measurable	and clear on B107/B108.		
					St. 15 11 2427/2422 14 1 1 1 1 1		
					Sheen Visible on B107/B108. Water color dark brown on B099/B100, light brown on B103/B104, and clear on		
8/2/2023	0	16.5	15.5	Not measurable	B107/B108. Pumpdown conducted 8/4/2023.		
6/2/2025		10.5	15.5	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water		
					color brown on B099/B100, light brown on B103/B104,		
8/9/2023	42	47	47	Not measurable	and clear on B107/B108.		
					Sheen Visible on B099/B100 and B107/B108. Water		
					color brown on B099/B100 and light brown on		
8/16/2023	38.5	47	47	Not measurable	B103/B104 and B107/B108.		
					Sheen visible in all Sumps. B099/B100 water color dark		
0/22/2022	22	46	46	Not measurable	brown and, light brown on both 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		
8/30/2023	33	46	44	Not measurable	B107/B108.		
					Sheen visible in all Sumps. B099/B100 water color light		
9/6/2023	1	38	38	Not measurable	brown, and clear on both B103/B104 and B107/B108.		
					Sheen Visible on B099/B100 and B107/B108. Water		
0/12/2022	0	22	22	Not mass:	color brown on B099/B100 and clear on B103/B104 and		
9/13/2023	0	33	33	Not measurable	B107/B108. Pumpdown conducted 9/15/2023. Sheen Visible on B099/B100 and B107/B108. Water		
					color brown on B099/B100 and light brown on		
9/20/2023	14	41	40	Not measurable	B103/B104 and B107/B108.		
2, 2,222					Sheen Visible on B099/B100 and B107/B108. Water		
					color light brown on B099/B100 and clear on B103/B104		
9/27/2023	0.5	33	34	Not measurable	and B107/B108.		

	Sump 1	Sump 2	Sump 3		
	(B099/B100)	(B103/B104)	(B107/B108)		
Measured Date	Freeboard (in)	Freeboard (in)	Freeboard (in)	Depth to DNAPL (in)	
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.
					Sheen visible on B103/B104. B099/B100 water color
					light brown, clear on B103/B104 and B107/B108. Heavy
10/11/2022	0	0	0	Not measurable	rains in the week filled up sumps. Pumpdown conducted
10/11/2023	U	U	0	Not measurable	10/13/2023. Sheen visible on B099/B100 and B107/B108. Water
					color brown on B099/B100. Water color clear on
10/18/2023	46	48	47	Not measurable	B103/B104. Water color light brown on B107/B108.
					Sheen visible on B099/B100 and B107/B108. Water
					color dark brown on B099/B100 and light brown on
10/25/2023	39	44	43	Not measurable	B103/B104 and B107/B108. Sheen visible on B099/B100 and B107/B108. Water
					color light brown on B099/B100 and clear on 103/B104
11/1/2023	6.5	33	33	Not measurable	and B107/B108.
					Sheen visible on B099/B100. Water color light brown on
11/8/2023	12	34	33	Not measurable	B099/B100 and clear on 103/B104 and B107/B108.
					No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and
11/15/2023	2	6	5.5	Not measurable	B107/B108.
, -, -		-			No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on 103/B104 and
11/22/2023	7	13	12	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
11/29/2023	5.5	10	9.5	Not measurable	light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/23/2023	3.3	10	3.3	Not measurable	No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on 103/B104 and
12/6/2023	8	14	14	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
12/12/2022	5	10	9.5	Not moscurable	light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/13/2023	3	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on 103/B104 and
12/20/2023	5	10	9	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
12/27/2022		12	11	Net messeumable	light brown on B099/B100 and clear on 103/B104 and
12/27/2023	6	13	11	Not measurable	B107/B108. No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on 103/B104 and
1/3/2024	0	0	0	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
1/10/2024	F	10	0.5	Net messes melle	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
1/17/2024	12	15.5	15	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
1/24/2024	0	0	0	Not measurable	clear in all sumps.
					No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and
1/31/2024	2	9.5	9	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on B103/B104 and
2/7/2024	2	18	16	Not measurable	B107/B108.
					No shoon shoomed in any of the summer Western sales
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.
2/14/2024	Ü	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
2/21/2024	6	14	13	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
2/20/2024	4	14	15	Not mossurable	light brown on B099/B100 and clear on B103/B104 and B107/B108.
2/28/2024	*	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
3/6/2024	4	15	15	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
2/42/2021	0	14	4.4	Nat was constitu	light brown on B099/B100 and clear on B103/B104 and
3/13/2024	0	11	11	Not measurable	B107/B108. No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on B103/B104 and
		ı		I	B107/B108.

	S 4			x - Wood Preserving	y works
	Sump 1 (B099/B100)	Sump 2 (B103/B104)	Sump 3 (B107/B108)		
Measured Date	Freeboard (in)	Freeboard (in)	Freeboard (in)	Depth to DNAPL (in)	Comments
					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
3/27/2024	0	7	6	Not measurable	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.
					No sheen observed in any of the sumps. Water color
4/10/2024	0	0	0	Not measurable	brown on B099/B100 and clear on B103/B104 and B107/B108. No sheen observed in any of the sumps. Water color
4/17/2024	0	10	9.5	Not measurable	light brown on B099/B100 and clear on B103/B104 and B107/B108.
. (2.) (2.2.)					Sheen visible on B099/B100. Water color brown on B099/B100 and clear on B103/B104 and B107/B108.
4/24/2024	2.5	12	11	Not measurable	Pumpdown conducted 4/26/2024. No sheen observed in any of the sumps. Water color
5/1/2024	9	20	21	Not measurable	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.
					No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and
5/15/2024	0	20	21	Not measurable	B107/B108.
5/22/20241					
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.
5/05/0004		40.5			Sheen observed at B099/B100. Water color was brown to cloudy by B099/B100 and clear by B103/B104 and
6/26/2024	2.5	10.5	10	Not measurable	B107/B108. 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
7/3/2024	23	43	42	Not measurable	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.
7/10/2024	13	33	. 34	140t Hiedauldbie	Light brown water color observed at all three sump
7/17/2024	9	39	38	Not measurable	systems. Sheen observed at B099/B100, 3 cubic in NAPL recovered from sump. No sheen observed at B103/B104 and B107/B108.
					Light brown water color observed at all three sump systems. Sheen observed at B103/B104. No sheen observed at B099/B100 and B107/B108.
7/24/2024	0	36	36	Not measurable	Brown water color and sheen observed at B099/B100.
7/04/5-5-				Nata	Light brown water color and no sheen observed at B103/104 and B107/108
7/31/2024	45	45	45	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.
8/7/2024	23	32	32	Not measurable	

			rkk nouston, t	x - Wood Preserving	J 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
					Brown water color and sheen observed at B099/B100.
					Gray water color and no sheen observed at B103/104.
8/14/2024	24	42.5	41.5	Not measurable	Light brown and no sheen observed at B107/108.
8/14/2024	24	42.5	41.3	Not measurable	Brown water color and no sheen observed at
					B099/B100, B103/104 and at B107/108.
8/21/2024	22.5	42.5	41.5	Not measurable	
					Tan water color and sheen observed at B099/B100.
					Brown water color and no sheen observed at B103/104.
8/28/2024	20	42	41.5	Not measurable	Light brown and no sheen observed at B107/108.
					Tan water color and sheen observed at B099/B100. Tan
					water color and no sheen observed at B103/B104 and
9/4/2024	8	41	40	Not measurable	B107/B108.
3/4/2024		41	40	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.
9/12/2024	5.5	39	38.5	Not measurable	
					Clear water with sheen observed at B099/B100. Brown
					water color and no sheen observed at B103/B104. Light
9/18/2024	7	38.5	38	Not measurable	brown and no sheen observed at B107/B108.
					Clear water color and sheen observed at B099/B100.
					Grey and turbid water with no sheen observed at
9/26/2024	9.5	40	39	Not mossurable	B103/B104 and brownish water with no sheen observed at B107/B108.
9/20/2024	9.5	40	39	Not measurable	dt B107/B108.
					Clear water color and no sheen observed at B099/B100.
					Tan water color with no sheen observed at B103/B104.
10/2/2024	11.5	36.5	36	Not measurable	Brown water with no sheen observed at B107/B108.
					Classication and all all and all all and all and all all all and all all all and all all all all all all all all all al
					Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104.
10/9/2024	10	37	36	Not measurable	Clear water with no sheen observed at B107/B108.
					Clear water color and sheen observed at B099/B100.
10/16/2024	12	38	36	Not measurable	Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
10/16/2024	12	30	30	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
10/24/2024	14	41	40	Not measurable	observed at B107/B108.
					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
10/30/2024	4	37.5	37	Not measurable	observed at B107/B108.
					Clear water color and sheen observed at B099/B100.
11/6/2024	2.5	22	21	Not mossurable	Clear 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	cical water with no sheen observed at B107/B108.
					Clear water color and sheen observed at B099/B100.
					Clear water color with no sheen observed at B103/B104.
11/13/2024	5	32.5	32	Not measurable	Clear water with no sheen observed at B107/B108.
					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
11/20/2024	3.5	34	34	Not measurable	sheen observed at B107/B108.
					Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104.
11/27/2024	8	34.5	34	Not measurable	Clear water with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
_,,	-				
					Clear water color and sheen observed at B099/B100.
40/-/	4-		ng -		Clear water color and sheen observed at B103/B104.
12/4/2024	10	35	33.5	Not measurable	Clear water with no sheen observed at B107/B108.
					Clear water color and sheen observed at B099/B100.
					Clear water color with no sheen observed at B103/B104.
12/11/2024	4	26	26	Not measurable	Clear water with no sheen observed at B107/B108.
					·

	Sump 1	Sump 2	Sump 3		
Measured Date	(B099/B100)	(B103/B104) Freeboard (in)	(B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
					Clear water color and sheen observed at B099/B100.
12/18/2024	_	22	22	Not measurable	Clear water color with no sheen observed at B103/B104
12/18/2024	5	23	22	Not measurable	Clear water with no sheen observed at B107/B108.
					Clear water color with no sheen observed at B099/B100
					Clear water color with no sheen observed at B103/B104
12/23/2024	4.5	23.5	22.5	Not measurable	Clear water with no sheen observed at B107/B108.
					Clear water sales and shoon shoon and at P000/P100
					Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104
12/27/2025	2	12	11.5	Not measurable	Clear water with no sheen observed at B107/B108.
					Clear water color and sheen observed at B099/B100.
1/3/2025	4.5	12	12	Not measurable	Clear water color with no sheen observed at B103/B104 Clear water with no sheen observed at B107/B108.
1/3/2023	4.5	12	12	Not measurable	clear water with no sheen observed at B107/B108.
					Clear water color and sheen observed at B099/B100.
					Clear water color with no sheen observed at B103/B104
1/8/2025	6	10.5	11	Not measurable	Clear water with no sheen observed at B107/B108.
					Clear water color with no shoon observed at B000/B10/
					Clear water color with no sheen observed at B099/B100 Clear water color with no sheen observed at B103/B100 Clear water color with no sheep color water colo
					Clear water with no sheen observed at B107/B108. Due
1/15/2025	0	0	0	Not measurable	to extended rain events all sumps were full of water.
					Clear water color with no sheen observed at B099/B100
1/22/2025	1.5	4	3.5	Not measurable	Clear water color with no sheen observed at B103/B10- Clear water with no sheen observed at B107/B108.
1/22/2023	1.5	4	3.5	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
1/29/2025	0	0	0	Not measurable	water.
					No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B103/B104 and clear in
2/5/2025	9	8.5	1	Not measurable	B099/B100 and B107/B108.
, -,	-				No sheen observed at B099/B100, B103/B104, and
					B107/B108. Water color clear in B099/B100, brown in
2/42/222					B103/B104, and tan in B107/B108. Due to extended rain
2/12/2025	0	0	0	Not measurable	events all sumps were full of water. Clear water color with no sheen observed at B099/B100
2/19/2025	1	3	2.5	Not measurable	B103/B104, and B107/B108.
					Clear water color with no sheen observed at B099/B100
2/26/2025	1.5	5	4.5	Not measurable	B103/B104, and B107/B108.
					No sheen observed at B099/B100, B103/B104, and
3/5/2025	1.75	4.75	3.5	Not measurable	B107/B108. Water color tan in B099/B100 and B103/B104 and clear in B107/B108.
3/3/2023	1.75	4.73	3.3	Not measurable	No sheen observed at B099/B100, B103/B104, and
					B107/B108. Water color tan in B099/B100 and
3/12/2025	2.25	11	10	Not measurable	B103/B104 and clear in B107/B108.
					No sheen observed at B099/B100, B103/B104, and
3/19/2025	1.5	9	10	Not measurable	B107/B108. Water color tan in B103/B104 and clear in B099/B100 and B107/B108.
3/13/2023	1.5	,	10	Not measurable	No sheen observed at B099/B100, B103/B104, and
					B107/B108. Water color tan in B103/B104 and clear in
3/26/2025	2	7	6.5	Not measurable	B099/B100 and B107/B108.
					No sheen observed at B099/B100, B103/B104, and
4/2/2025	0	7.5	7	Not measurable	B107/B108. Water color tan in B103/B104 and clear in
4/2/2025	0	7.5	7	Not measurable	B099/B100 and B107/B108.
					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 brow
4/9/2025	27	36	35	Not measurable	in B107/B108.
					No sheen observed at B099/B100, B103/B104, and
					B107/B108. Water color dark brown in B099/B100 and
4/16/2025	22.5	35.5	35.5	Not measurable	B103/B104, and brown in B107/B108.
					Water ponded over Sump 1. No sheen observed at
			25 -	l	B103/B104 and B107/B108. Water color brown in
			30.5	Not measurable	B103/B104 and B107/B108.
4/23/2025	NM	31	30.3	Not measurable	2103/2101 4114 2107/21001
4/23/2025	NM	31	30.3	Not measurable	Sheen only observed at B099/B100. Water color brown

	Sump 1	Sump 2	Sump 3		
	(B099/B100)	(B103/B104)	(B107/B108)		
Measured Date	Freeboard (in)	Freeboard (in)	Freeboard (in)	Depth to DNAPL (in)	Comments

Note:

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

1. Freeboard not measured on 5/22/2024 due to the ongoing excavations as part of the Interim Measures Work Plan Construction Activities



ATTACHMENT A

Weekly Inspection Photolog

PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad
Photo No.

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

1

Inspection Date: 4/2/2025

Description:

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

Lat: 29.784289 Long: -95.321068

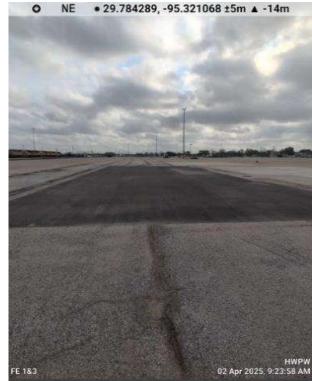


Photo No.

Inspection Date:

4/2/2025

Description:

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

Lat: 29.784104 Long: -95.320772



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Site Location.

rojout itu.

Photo No.

Inspection Date: 4/2/2025

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Description:

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

Lat: 29.784807 Long: -95.319706



Photo No.

Inspection Date:

4/2/2025

Description:

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

Lat: 29.785457 Long: -95.318503



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date:

5

4/2/2025

Description:

FE-5 brown water staining observed at the southern corner of the FE reconstructed cap, located within the red circle on Photo No. 4.

Lat: 29.785246 Long: -95.318716



Photo No.

Inspection Date:

6

4/2/2025

Description:

FE-5 brown water staining observed at the southeastern corner of the FE reconstructed cap, located within the yellow circle on Photo No. 4.

Lat: 29.785302 Long: -95.318584



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date: 4/2/2025

Description:

FE-6 weekly inspection of asphalt cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Minimal brown water staining along the edges of the FE cap observed. Facing northwest.

Lat: 29.785404 Long: -95.318313



Photo No.

Inspection Date:

4/2/2025

Description:

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

Lat: 29.784223 Long: -95.320624



Client Name:

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No.

US0039040.4227

Union Pacific Railroad

9

Inspection Date:

Photo No.

4/2/2025

Description:

FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing north.

Lat: 29.784913 Long: -95.319097

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Photo No.

Inspection Date:

10

4/2/2025

Description:

FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest.

Lat: 29.785250 Long: -95.318364



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. 11 Inspection Date: 4/2/2025

Description:

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

Lat: 29.784961 Long: -95.317681



Photo No.

Inspection Date:

12

4/2/2025

Description:

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

Lat: 29.784321 Long: -95.319536



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. Inspection Date: 4/2/2025

Description:

FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.785602 Long: -95.318715



Photo No. Inspection Date: **14** 4/2/2025

Description:

FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing east.

Lat: 29.785043 Long: -95.321307



Client Name:

Site Location:

Project No.

Union Pacific Railroad

15

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date:

4/9/2025

Description:

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

Lat: 29.784243 Long: -95.321010

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E 1&3			HW 09 Apr 2025, 9-26-35		

Photo No.

Inspection Date:

16

4/9/2025

Description:

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

Lat: 29.784074 Long: -95.320776



Client Name:

Site Location:

Project No.

Union Pacific Railroad 17

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date: 4/9/2025

Description:

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

Lat: 29.784779 Long: -95.319688

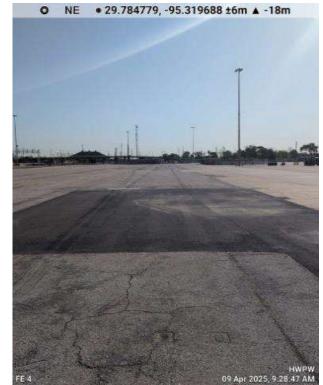


Photo No.

Inspection Date:

18 4/9/2025

Description:

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

Lat: 29.785410 Long: -95.318505



Client Name:

Site Location:

Project No.

Union Pacific Railroad

Photo No. 19

Inspection Date: 4/9/2025

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Description:

FE-5 brown water staining observed at the southeastern corner of the FE reconstructed

cap. Facing southwest.

Lat: 29.785313 Long: -95.318523



Photo No.

Inspection Date: 20

4/9/2025

Description:

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

Lat: 29.785387 Long: -95.318311



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. **21** Inspection Date: 4/9/2025

Description:

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

Lat: 29.784192 Long: -95.320622

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Photo No.

Inspection Date:

4/9/2025

Description:

FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing north.

Lat: 29.784880 Long: -95.319090



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. **23** Inspection Date: 4/9/2025

Description:

FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest.

Lat: 29.785233 Long: -95.318379



Photo No.

Inspection Date:

24

4/9/2025

Description:

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

Lat: 29.784956 Long: -95.317660



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date:

4/9/2025

Description:

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

Lat: 29.784300 Long: -95.319549

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Photo No.

Inspection Date:

26

4/9/2025

Description:

FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.785545 Long: -95.318709



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. 27 Inspection Date: 4/9/2025

Description:

FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northeast.

Lat: 29.785012 Long: -95.321294

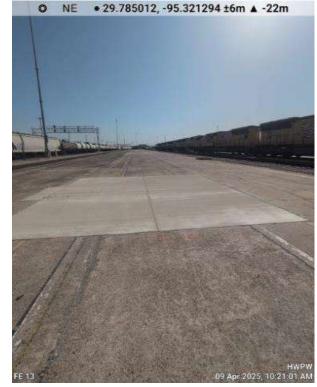


Photo No.

Inspection Date:

28

4/16/2025

Description:

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

Lat: 29.781838 Long: -95.324365



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. Inspection Date: **29** 4/16/2025

Description:

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

Lat: 29.781318 Long: -95.319039



Photo No. Inspection Date: **30** 4/16/2025

Description:

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

Lat: 29.786505 Long: -95.316875



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date: 4/16/2025

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: 29.786569 Long: -95.316758



Photo No.

Inspection Date:

32

4/16/2025

Description:

FE-5 brown water staining observed at the southern corner of the FE reconstructed cap, located within the red circle on Photo No. 31.

Lat: 29.787883 Long: -95.316833



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Engle

Toject No.

Photo No.

Inspection Date: 4/16/2025

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Description:

FE-5 brown water staining observed at the southeastern corner of the FE reconstructed cap, located within the blue circle on Photo No. 31.

Lat: 29.787937 Long: -95.316812



Photo No.

Inspection Date: 4/16/2025

34
Description:

FE-5 brown water staining observed along the southern joint of the FE reconstructed cap, located within the yellow circle on Photo No. 31.

Lat: 29.781303 Long: -95.319982



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. Inspection Date: 35 4/16/2025

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 northwest.

Lat: 29.786619 Long: -95.316882



 Photo No.
 Inspection Date:

 36
 4/16/2025

Description:

FE-6 brown water staining observed along the western joint of the FE reconstructed cap, located within the red circle on Photo No. 35.

Lat: 29.787921 Long: -95.316801



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date: 4/16/2025

Description:

FE-6 brown water staining and standing water observed along the western joint of the FE reconstructed cap.

Lat: 29.787918 Long: -95.316801

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Photo No.

Inspection Date:

38

4/16/2025

Description:

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

Lat: 29.786205 Long: -95.317036



Client Name:

Site Location:

Project No.

Union Pacific Railroad

Photo No. 39

Inspection Date: 4/16/2025

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Description:

FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing north.

Lat: 29.787118 Long: -95.316750



Photo No.

Inspection Date:

40 4/16/2025

Description:

FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest.

Lat: 29.786858 Long: -95.316869



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date:

41 4/16/2025

Description:

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

Lat: 29.786180 Long: -95.316994

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Photo No.

42

Inspection Date:

4/16/2025

Description:

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

Lat: 29.782830 Long: -95.317458



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. 43 Inspection Date: 4/16/2025

Description:

FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.786286 Long: -95.316987

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Photo No.

Inspection Date:

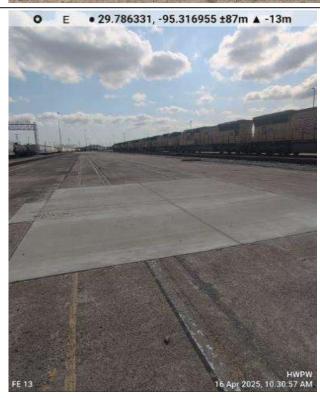
44

4/16/2025

Description:

FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing east.

Lat: 29.786331 Long: -95.316955



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. **45** Inspection Date: 4/23/2025

Description:

FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northeast. Standing water from recent and on-going rain event.

Lat: 29.784222 Long: -95.321035



Photo No.

Inspection Date:

46

4/23/2025

Description:

FE-2 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest.
Standing water from recent and on-going rain event.

Lat: 29.784062 Long: -95.320763



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date: 4/23/2025

47
Description:

FE-4 weekly inspection of asphalt cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing northeast.
Standing water from recent and on-going rain event.

Lat: 29.784786 Long: -95.319715

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Photo No.

Inspection Date:

48

4/23/2025

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. Standing water from recent and on-going rain event.

Lat: 29.785409 Long: -95.318513



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. **49**

Description:

FE-5 brown water staining observed at the southern corner of the FE reconstructed cap. Standing water from recent and on-going rain event.

Inspection Date:

4/23/2025

Lat: 29.785258 Long: -95.318708



 Photo No.
 Inspection Date:

 50
 4/23/2025

Description:

FE-5 brown water staining observed at the joint between the concrete and asphalt pavement and the reconstructed FE-5 concrete cap. Standing water from recent and on-going rain event.

Lat: 29.785322 Long: -95.318734



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. Inspection Date: **51** 4/23/2025

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 northwest. Standing water from recent and ongoing rain event.

Lat: 29.785381 Long: -95.318286

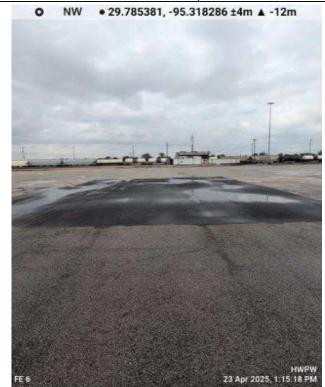


Photo No. Inspection Date: **52** 4/23/2025

Description:

FE-7 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest.
Standing water from recent and on-going rain event.

Lat: 29.784155 Long: -95.320620



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. Inspection Date: 53 4/23/2025

Description:

FE-8 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing north. Standing water from recent and on-going rain event.

Lat: 29.784847 Long: -95.319111



Photo No. Inspection Date: **54** 4/23/2025

Description:

FE-9 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest.
Standing water from recent and on-going rain event.

Lat: 29.785229 Long: -95.318387



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date: 4/23/2025

Description:

FE-10 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing west. Standing water from recent and on-going rain event.

Lat: 29.784929 Long: -95.317697



Photo No.

Inspection Date:

56

4/23/2025

Description:

FE-11 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest. Standing water from recent and on-going rain event.

Lat: 29.784291 Long: -95.319538



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. **57** Inspection Date: 4/23/2025

Description:

FE-12 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Standing water from recent and on-going rain event.

Lat: 29.785555 Long: -95.318722



Photo No. Inspection Date: 58 4/23/2025

Description:

FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southeast. Standing water from recent and on-going rain event.

Lat: 29.785079 Long: -95.321280



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

59

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Photo No.

Inspection Date: 4/30/2025

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Description:

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

Lat: 29.784331 Long: -95.320739



Photo No.

Inspection Date:

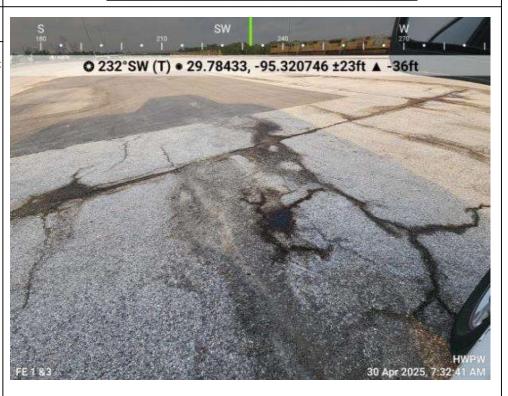
60

4/30/2025

Description:

FE-1&3 brown water staining observed northeast of the FE reconstructed cap. Staining was not observed on or in the joints of FE-1&3.

Lat: 29.784330 Long: -95.320746



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

61

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date: 4/30/2025

Description:

FE-1&3 brown water staining observed north of the FE reconstructed cap. Staining was not observed on or in the joints of FE-1&3.

Lat: 29.784417 Long: -95.320794

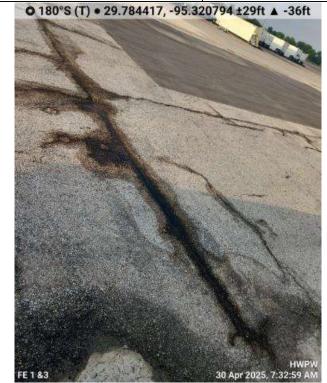


Photo No.

Inspection Date:

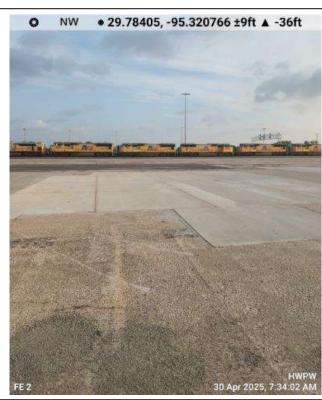
62

4/30/2025

Description:

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

Lat: 29.784050 Long: -95.320766



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

oto No. Inspection Date: 4/30/2025

Description:

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

Lat: 29.784867 Long: -95.319451

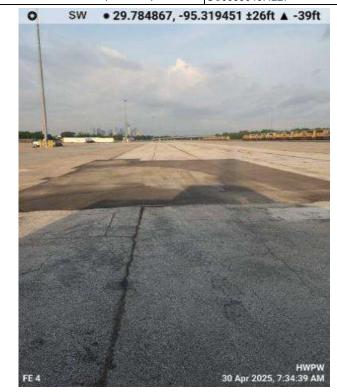


Photo No.

Inspection Date:

64

4/30/2025

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: 29.785424 Long: -95.318477



PHOTOGRAPH LOG

Client Name:

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No.

US0039040.4227

Union Pacific Railroad
Photo No.

65

Inspection Date:

4/30/2025

Description:

FE-5 brown water staining observed at the southern joint of the FE reconstructed cap, located within the red circle on Photo No. 64.

Lat: 29.785326 Long: -95.318579

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Photo No.

Inspection Date:

66

4/30/2025

Description:

FE-5 brown water staining observed at the southern joint of the FE reconstructed cap, located within the blue circle on Photo No. 64.

Lat: 29.785271 Long: -95.318713



Client Name:

Site Location:

Project No.

US0039040.4227

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas Inspection Date:

Photo No. 67

4/30/2025

Description:

FE-5 brown water staining observed at the joint between the concrete and asphalt pavement and the FE reconstructed cap, located within the yellow circle on Photo No. 64.

Lat: 29.785306 Long: -95.318773

○ 245°SW (T) • 29.785306, -95.3	318773 ±9ft ▲ -45ft
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FE 5 S/W	30 Apr 2025, 8-27 04 AM

Photo No. 68

Inspection Date: 4/30/2025

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: 29.785508 Long: -95.318249



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date:

4/30/2025

Description:

FE-6 brown water staining observed at the southern corner of the FE reconstructed cap.

Lat: 29.785395 Long: -95.318326

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Photo No.

Inspection Date:

70 4/30/2025

Description:

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

Lat: 29.784246 Long: -95.320542



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

71

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date: 4/30/2025

Description:

FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest.

Lat: 29.784995 Long: -95.319012



Photo No.

Inspection Date:

72

4/30/2025

Description:

FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest.

Lat: 29.785199 Long: -95.318385



PHOTOGRAPH LOG

Client Name:

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No.

US0039040.4227

Union Pacific Railroad
Photo No.

73

Inspection Date:

4/30/2025

Description:

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

Lat: 29.784930 Long: -95.317656

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		30	Apr. 2023, 7	.50.42 M

Photo No.

Inspection Date:

74

4/30/2025

Description:

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

Lat: 29.784358 Long: -95.319528



PHOTOGRAPH LOG

Client Name:

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No.

US0039040.4227

Union Pacific Railroad
Photo No.

Inspection Date:

75

4/30/2025

Description:

FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.785536 Long: -95.318644

© 200°S (T) • 29.785536, -95.318644 ±9ft ▲ -45ft
HWPW FE 12 30 Apr 2025, 7:39:55 AM

Photo No.

Inspection Date:

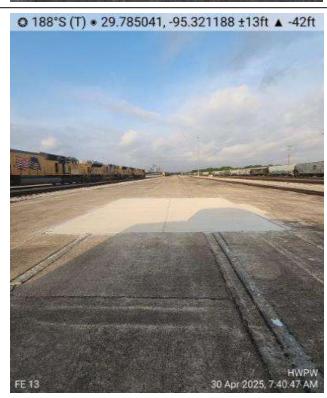
76

4/30/2025

Description:

FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.785041 Long: -95.321188



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. Inspection Date: **77** 4/2/2025

Description:

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

Lat: 29.784240 Long: -95.320856



Photo No. Inspection Date: 78 4/2/2025

Description:

Sump 2 (B103/B104), 7.5 inches of freeboard in sump. Color is tan, and no sheen or odor observed.

Lat: 29.784238 Long: -95.320864



PHOTOGRAPH LOG

Client Name:

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No.

US0039040.4227

Union Pacific Railroad
Photo No.

Inspection Date:

79

4/2/2025

Description:

Sump 3 (B107/B108), 7.0 inches of freeboard in sump. Color is clear, and no sheen or odor observed.

Lat: 29.784188 Long: -95.320982

0 27	2°W (T) • 2°	9.784188, -95.	320982 ±2m	▲ -13m
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Photo No.

Inspection Date: 4/9/2025

80

Description:Sump 1 (B99/B100), 27.0 inches of freeboard in sump. Color is dark brown, and no sheen or odor observed.

Lat: 29.784314 Long: -95.320725



Client Name:

Site Location:

Project No.

Union Pacific Railroad

US0039040.4227

Photo No. Inspection Date: 81 4/9/2025

Description:

Sump 2 (B103/B104), 36.0 inches of freeboard in sump. Color is tan, and no sheen or odor observed.

Lat: 29.784207 Long: -95.320894



Photo No. Inspection Date: 82 4/9/2025

Description:

Sump 3 (B107/B108), 35.0 inches of freeboard in sump. Color is brown, and no sheen or odor observed.

Lat: 29.784174 Long: -95.320986



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. Inspection Date: 4/16/2025

Description:

Sump 1 (B99/B100), 22.5 inches of freeboard in sump. Color is dark brown, and no sheen or odor observed.

Lat: 29.787941 Long: -95.316857



 Photo No.
 Inspection Date:

 84
 4/16/2025

Description:

Sump 2 (B103/B104), 35.5 inches of freeboard in sump. Color is dark brown, and no sheen or odor observed.

Lat: 29.788035 Long: -95.316069



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. Inspection Date: 85 4/16/2025

Description:

Sump 3 (B107/B108), 35.5 inches of freeboard in sump. Color is brown, and no sheen or odor observed.

Lat: 29.781310 Long: -95.318674



 Photo No.
 Inspection Date:

 86
 4/23/2025

Description:

Sump 1 (B99/B100), freeboard could not be measured due to ponding. Standing water from recent and on-going rain event.

Lat: 29.784240 Long: -95.320761



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad
Photo No.

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

87
Description:

Sump 2 (B103/B104), 31.0 inches of freeboard in sump. Color is brown, and no sheen or odor observed.

Inspection Date:

4/23/2025

Lat: 29.784224 Long: -95.320914

⊙ 280°W (T)	• 29.78422	4, -95.3209	14±14m ▲ -1	14m
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	b			
B 103 104			28 Apr 2025, 1	HWEW 38.02 PM

Photo No.

Inspection Date: 4/23/2025

Description:

Sump 3 (B107/B108), 30.5 inches of freeboard in sump. Color is brown, and no sheen or odor observed.

Lat: 29.784159 Long: -95.321018



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date: 4/30/2025

Description:

Sump 1 (B99/B100), 1.0 inches of freeboard in sump. Color is brown. Sheen was observed, and odor was not observed.

Lat: 29.784279 Long: -95.320715



Photo No. Inspection Date: **90** 4/30/2025

Description:

Sump 2 (B103/B104), 28.5 inches of freeboard in sump. Color is brown, and no sheen or odor observed.

Lat: 29.784184 Long: -95.320895



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

 Photo No.
 Inspection Date:

 91
 4/30/2025

Description:

Sump 3 (B107/B108), 29.0 inches of freeboard in sump. Color is tan, and no sheen or odor observed.

Lat: 29.784140 Long: -95.320972

© 223°SV	(T) • 29.78414, -95.320972 ±26ft ▲ -42ft
B 107/108	HWPW 30 Apr 2025, 2,38.45 PM

Photo No.

Inspection Date: 4/2/2025

Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No NAPL observed at location.

Lat: 29.784967 Long: -95.321207



Client Name:

Site Location:

Project No.

Union Pacific Railroad Photo No.

Inspection Date:

93

4/2/2025

Englewood Intermodal Yard, Houston, Texas US0039040.4227

Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. No NAPL observed

along joint.

Lat: 29.784163 Long: -95.320946



Photo No. 94

Inspection Date:

4/9/2025

Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No NAPL observed at location.

Lat: 29.784949 Long: -95.321205



Client Name:

Site Location:

Project No.

Union Pacific Railroad

Photo No. 95

Inspection Date: 4/9/2025

Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. No NAPL observed along joint.

Lat: 29.784105 Long: -95.320968

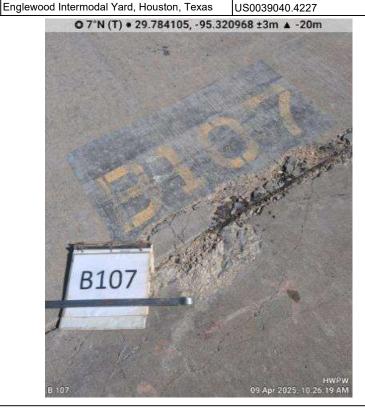


Photo No.

Inspection Date:

96

4/16/2025

Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No NAPL observed at location.

Lat: 29.786190 Long: -95.317037



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

US0039040.4227

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

Inspection Date:

○ 10°N (T) • 29.781817, -9

Photo No.

4/16/2025

Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 3 cubic inches of NAPL observed along joint.

Lat: 29.781817 Long: -95.323525

±53m ▲ -13m
A CAMP
MALTINE .
7
HWPW 6 Apr 2025, 10:50 34 AM

Photo No.

Inspection Date:

98

4/23/2025

Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No NAPL observed at location. Standing water from recent and on-going rain event.

Lat: 29.784959 Long: -95.321221



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad
Photo No.

99

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 3 cubic inches of NAPL observed along joint.

Inspection Date:

4/23/2025

Lat: 29.784137 Long: -95.320975



Photo No.

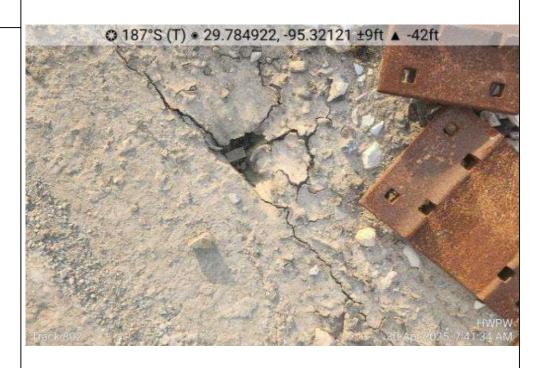
Inspection Date:

100 4/30/2025

Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No NAPL observed at location.

Lat: 29.784922 Long: -95.321210



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

101

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No.

Inspection Date: 4/30/2025

Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 3 cubic inches of NAPL observed along joint.

Lat: 29.784147 Long: -95.320963



Photo No.

Inspection Date: 4/2/2025

Description:

Brown water staining along the joint that runs from A050 through A070. Facing southwest.

Lat: 29.784871 Long: -95.319724



Client Name:

Site Location:

Project No.

Union Pacific Railroad Photo No.

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

103

Inspection Date: 4/2/2025

Description:

Brown water staining along the joint that runs from A050 through A070. Facing southwest.

Lat: 29.784808 Long: -95.319820



Photo No.

Inspection Date: 104 4/2/2025

Description:

Brown water staining along the joint that runs from B014 through B029. Facing southwest.

Lat: 29.785309 Long: -95.318504



Client Name:

Site Location:

Project No.

Union Pacific Railroad Photo No.

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

105 Description:

Brown water staining along the joint that runs from B014 through B029. Facing southwest.

Inspection Date:

4/2/2025

Lat: 29.785210 Long: -95.318728



Photo No.

Inspection Date: 106 4/4/2025

Description:

Area shown in Photo 105 directly after pressure washing. Facing southwest.

Lat: 29.785210 Long: -95.318728



PHOTOGRAPH LOG

Client Name:

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No.

US0039040.4227

Union Pacific Railroad

Inspection Date:

Photo No.

4/7/2025

Description:

Area shown in Photo 105 after pressure washing. Facing southwest.

Lat: 29.785210 Long: -95.318728

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Photo No.

Inspection Date:

4/9/2025

Description:

Minimal brown water staining along the joint that runs from A050 through A070 that remained after pressure washing. Facing southwest.

Lat: 29.784860 Long: -95.319690



Client Name:

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No.

US0039040.4227

Union Pacific Railroad Photo No.

Inspection Date:

109

4/9/2025

Description:

Minimal brown water staining along the joint that runs from A050 through A070 that remained after pressure washing. Facing northeast.

Lat: 29.784753 Long: -95.319927

-95.319927 ±3m ▲ -23m
HWP

Photo No.

110

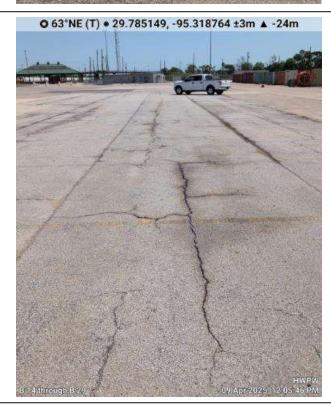
Inspection Date:

4/9/2025

Description:

Area shown in Photo 105 after pressure washing. Facing northeast.

Lat: 29.785149 Long: -95.318764



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. **111** Inspection Date: 4/16/2025

Description:

Brown water staining along the joint that runs from B014 through B029. Facing northeast.

Lat: 29.787972 Long: -95.316719

0 69°NE (T)	29.787972, -9	5.316719	±56m ▲ -13	n
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Photo No.

Inspection Date:

112

4/16/2025

Description:

Brown water staining along the joint that runs from B014 through B029. Facing northeast.

Lat: 29.787924 Long: -95.317028



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. **113** Inspection Date: 4/23/2025

Description:

Brown water staining along the joint that runs from A050 through A070. Facing southwest. Standing water from recent and on-going rain event.

Lat: 29.784888 Long: -95.319694

O 243°SW (T) ● 29.784	4888, -95.31969	94 ±3m ▲ -10m
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Photo No.

Inspection Date: 4/23/2025

Description:

Brown water staining within the cracks near the joint that runs from A050 through A070. Standing water from recent and on-going rain event.

Lat: 29.784829 Long: -95.319896



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. **115** Inspection Date: 4/23/2025

Description:

Brown water staining along the joint that runs from B014 through B029. Facing southwest. Standing water from recent and on-going rain event.

Lat: 29.785311 Long: -95.318566

O 238°SW (T) ● 29.78	5311, -95.3185	566 ±3m ▲ -14m
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B 14 through B 29		HWPW 23 Apr 2025, 3:52:46 PM

Photo No.

Inspection Date: 4/30/2025

Description:

Brown water staining along the joint that runs from A050 through A070. Facing southwest.

Lat: 29.784831 Long: -95.319755



PHOTOGRAPH LOG

Client Name:

Site Location:

Project No.

Union Pacific Railroad
Photo No.

117

Inspection Date: Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Description:

Brown water staining along the joint that runs from A050 through A070. Facing southwest.

4/30/2025

Lat: 29.784745 Long: -95.319995



Photo No.

118

Inspection Date: 4/30/2025

Description:

Brown water staining along the joint that runs from A050 through A070. Facing southwest.

Lat: 29.784735 Long: -95.320055



Client Name:

Site Location:

Project No.

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

US0039040.4227

Photo No. 119

Inspection Date: 4/30/2025

Description:

Brown water staining along the joint that runs from B014 through B029. FE-5 in the background. Facing southwest.

Lat: 29.785338 Long: -95.318472

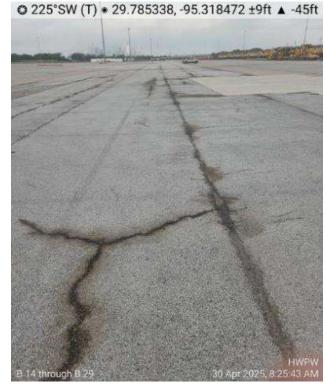


Photo No.

Inspection Date: 120 4/30/2025

Description:

Area shown in Photo 105. Facing southwest.

Lat: 29.785221 Long: -95.318779

