



February 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
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 January 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 NAPL Collection System and concrete cap area inspections conducted at the EIY is provided as requested by the TCEQ in a letter dated March 20, 2018. Below is a summary of the weekly Focused Excavation and EIY inspections for January 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 detailing that adequate air monitoring and dust suppression, soil management, and stormwater protection activities are being implemented in accordance with the approved plans provided in the Revised IMWP. 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 the waste disposal. With the conclusion of the construction activities and pending waste disposal, detailed weekly construction summaries are no longer necessary. However, as required in the Revised IMWP, WSP on behalf of UPRR, inspected the completed Focused Excavation areas weekly as part of the on-going EIY concrete cap inspection activities. Weekly inspections of the completed Focused Excavations are summarized below with updates on the waste disposal.

Weekly Focused Excavation Inspections

- Weekly inspections of the completed 13 Focused Excavation areas were conducted on January 3, 8, 15, 22 and 29, 2025. Photographs from the weekly inspections are provided in Attachment A under Photo Numbers 4 through 73.
- WSP noted that the reconstructed Focused Excavation concrete and asphalt cap areas were in good condition during the weekly inspections. There were no NAPL seeps observed at the Focused Excavation areas.

Revised IWMP Waste Management and Disposal

- One drum containing Class 1 non-hazardous hydraulic oil and absorbents waste was transported to the Republic Services Blue Ridge facility on January 10, 2025.
- Five drum containing Class 1 non-hazardous tarry sludge and soil waste were transported to the Republic Services Blue Ridge facility on January 10, 2025.
- Three drums containing Class 2 non-hazardous soil waste were transported to the Republic Services McCarty Road facility on January 13, 2025.
- A Temporary Discharge Authorization was granted by the City of Houston (COH) Public Works on January 17, 2025, authorizing UPRR to discharge approximately 400,000 gallons of stormwater into the City's POTW through the permitted water treatment plant located at the UPRR Settegast Yard Industrial Wastewater Treatment Plant (IWTP).
- Containerized stormwater is being transported from the EIY to the UPRR Settegast Yard IWTP. Stormwater discharge operations began on January 28, 2025 and approximately 45,710 gallons were discharged from January 29 to 31, 2025. Photographs of the stormwater discharge system are provided in Attachment A under Photo Numbers 1 through 3.
- As of January 31, approximately 377,290 gallons of stormwater are stored onsite at the EIY pending transportation and discharge.

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 January 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 visually inspected weekly for NAPL. Field personnel also use a hoe to scrape the bottom of the sumps to recover accumulated NAPL, if present, during the weekly inspections. No NAPL was detected or recovered from Sumps 1, 2 and 3 during the January 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). The inflow protector was monitored for NAPL accumulation, and no accumulation was observed through January 2025.
- Water levels in NAPL Collection System Sump 1, Sump 2, and Sump 3 were measured at the following levels below the top of the manholes:

Date	Sump 1 (DTW)	Sump 2 (DTW)	Sump 3 (DTW)	Photo Nos (Attachment A)
January 3 rd	4.5 inches	12 inches	12 inches	74, 75, and 76
January 8 th	6 inches	10.5 inches	11 inches	77, 78, and 79
January 15 th	0 inches	0 inches	0 inches	80, 81, and 82
January 22 nd	1.5 inches	4 inches	3.5 inches	83, 84, and 85
January 29 th	0 inches	0 inches	0 inches	86, 87, and 88

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

- During the January 2025 inspections, the water in Sump 1, Sump 2, and Sump 3 were observed to be clear in color. A sheen was observed at Sump 1 during the January 3rd, 8th, and 29th inspections (Photos 74, 77, and 86). Additionally, a sheen was observed at Sump 3 during the January 29th inspection (Photo 88). No odors were reported during the January inspections.
- Tar material/NAPL seeps were not observed along the concrete joints along the NAPL Collection System (including Slot B107) during the January inspections.

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 during the weekly inspection events in January 2025. The lack of seep activity noted during the January inspections was the same compared to the December inspections. No NAPL was collected from surface seeps in January.
- The previously observed seeps at stalls A010, A022, B042, B056, B057, B096, B100, B102, B105, and RD-14 have been addressed through the Focused Excavation activities.
- During the January 2025 inspections, no NAPL seeps were observed at the remaining test pits 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).
- There was no brown water staining observed during the month of January.

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,

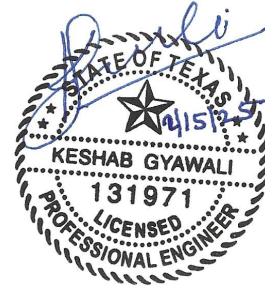
WSP USA Inc.



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

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	

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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
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	
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

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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	
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	

TABLE 1
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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
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.
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.

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
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 103/B104 and B107/B108.
11/8/2023	12	34	33	Not measurable	Sheen visible on B099/B100. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/15/2023	2	6	5.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/22/2023	7	13	12	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/29/2023	5.5	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/6/2023	8	14	14	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/13/2023	5	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/20/2023	5	10	9	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/27/2023	6	13	11	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
1/3/2024	0	0	0	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
1/10/2024	5	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
1/17/2024	12	15.5	15	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
1/24/2024	0	0	0	Not measurable	No sheen observed in any of the sumps. Water color clear in all sumps.
1/31/2024	2	9.5	9	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
2/7/2024	2	18	16	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
2/14/2024	6	18	18	Not measurable	No sheen observed in any of the sumps. Water color clear on B099/B100, B103/B104 and B107/B108.
2/21/2024	6	14	13	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
2/28/2024	4	14	15	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.

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
3/6/2024	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.
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 ¹	--	--	--	--	--
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.

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
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 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.
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	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
11/27/2024	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.

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

- 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


Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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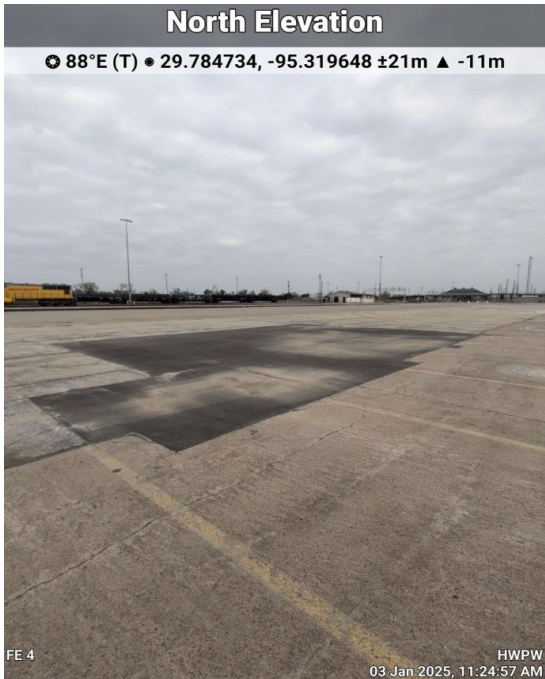
Photo No. 1	Inspection Date: 1/29/2025
Description: Stormwater discharge set up with hoses connecting from the frac tank to the pump through a totalizing flow meter to the drain at the UPRR Settegast Industrial Wastewater Treatment Plant (IWTP). Lat: 29.824028 Long: -95.291417	









Photo No. 2	Inspection Date: 1/29/2025
Description: Totalizing flow meter set up. Lat: 29.823956 Long: -95.291433	









		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 3	Inspection Date: 1/29/2025	<div data-bbox="734 304 1349 978" data-label="Image"> </div>	
Description: Totalizer used to calculate stormwater discharge volume. Lat: 29.823761 Long: -95.291575			
Photo No. 4	Inspection Date: 1/3/2025	<div data-bbox="777 1039 1320 1715" data-label="Image"> </div>	
Description: FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784201 Long: -95.321030			


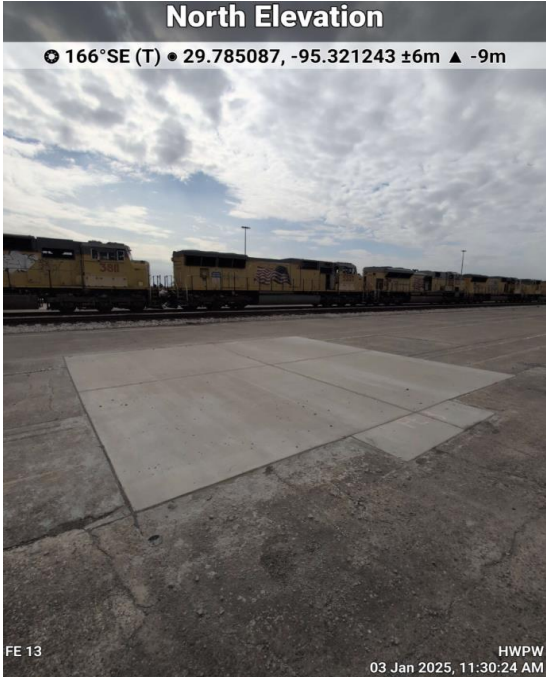

		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 5	Inspection Date: 1/3/2025	<div> <div> West Elevation </div> <div> ⊙ 94°E (T) • 29.784044, -95.320831 ±16m ▲ -12m </div>  <div> FE 2 <div> HWPW 03 Jan 2025, 11:22:52 AM </div> </div> </div>	
Description: FE-2 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784044 Long: -95.320831			
Photo No. 6	Inspection Date: 1/3/2025	<div> <div> North Elevation </div> <div> ⊙ 88°E (T) • 29.784734, -95.319648 ±21m ▲ -11m </div>  <div> FE 4 <div> HWPW 03 Jan 2025, 11:24:57 AM </div> </div> </div>	
Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784734 Long: -95.319648			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 7	Inspection Date: 1/3/2025	<div> <div> North Elevation </div> <div> ☉ 101°E (T) • 29.785285, -95.318776 ±11m ▲ -14m </div>  <div> FE 5 HWPW 03 Jan 2025, 11:28:54 AM </div> </div>	
Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785285 Long: -95.318776			
Photo No. 8	Inspection Date: 1/3/2025	<div> <div> South Elevation </div> <div> ☉ 301°W (T) • 29.785375, -95.318292 ±13m ▲ -13m </div>  <div> FE 6 HWPW 03 Jan 2025, 11:27:46 AM </div> </div>	
Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785375 Long: -95.318292			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 9	Inspection Date: 1/3/2025	<div> <div> North Elevation </div> <div> ☉ 112°E (T) • 29.784161, -95.320659 ±61m ▲ -10m </div>  <div> FE 7 HWPW 03 Jan 2025, 11:23:21 AM </div> </div>	
Description: FE-7 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784161 Long: -95.320659			
Photo No. 10	Inspection Date: 1/3/2025	<div> <div> West Elevation </div> <div> ☉ 74°NE (T) • 29.784856, -95.319101 ±22m ▲ -9m </div>  <div> FE 8 HWPW 03 Jan 2025, 11:25:17 AM </div> </div>	
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784856 Long: -95.319101			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
		Project No. US0039040.4227	
Photo No. 11	Inspection Date: 1/3/2025	<div> <div> East Elevation </div> <div> ☉ 265°W (T) • 29.78519, -95.318375 ±4m ▲ -13m </div>  <div> FE 9 HWPW 03 Jan 2025, 11:27:22 AM </div> </div>	
Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785190 Long: -95.318375			
Photo No. 12	Inspection Date: 1/3/2025	<div> <div> North Elevation </div> <div> ☉ 113°E (T) • 29.784873, -95.317809 ±2m ▲ -13m </div>  <div> FE 10 HWPW 03 Jan 2025, 11:26:06 AM </div> </div>	
Description: FE-10 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784873 Long: -95.317809			


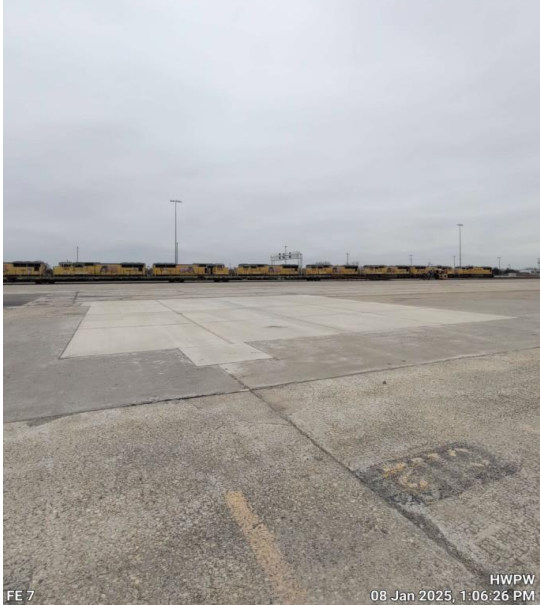

		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
		Project No. US0039040.4227	
Photo No. 13	Inspection Date: 1/3/2025	<div> <div> West Elevation </div> <div> 110°E (T) • 29.784279, -95.319572 ±20m ▲ -11m </div>  <div> FE 11 HWPW 03 Jan 2025, 11:24:29 AM </div> </div>	
Description: FE-11 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784279 Long: -95.319572			
Photo No. 14	Inspection Date: 1/3/2025	<div> <div> North Elevation </div> <div> 148°SE (T) • 29.785553, -95.318718 ±17m ▲ -13m </div>  <div> FE 12 HWPW 03 Jan 2025, 11:28:08 AM </div> </div>	
Description: FE-12 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785553 Long: -95.318718			


		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 15	Inspection Date: 1/3/2025	<div> <div> North Elevation </div> <div> 166°SE (T) • 29.785087, -95.321243 ±6m ▲ -9m </div>  <div> FE 13 HWPW 03 Jan 2025, 11:30:24 AM </div> </div>	
Description: FE-13 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785087 Long: -95.321243			
Photo No. 16	Inspection Date: 1/3/2025	<div> <div> West Elevation </div> <div> 121°E (T) • 29.784945, -95.321223 ±9m ▲ -13m </div>  <div> Track 802 HWPW 03 Jan 2025, 11:32:10 AM </div> </div>	
Description: Track 802 weekly inspection of track. Surrounding concrete in good conditions. No NAPL observed at location. Lat: 29.784945 Long: -95.321223			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
		Project No. US0039040.4227	
Photo No. 17	Inspection Date: 1/3/2025	<div> <div> South Elevation </div> <div> 7°N (T) • 29.784113, -95.320964 ±16m ▲ -11m </div>  <div> B 107 </div> <div> HWPW 03 Jan 2025, 11:38:21 AM </div> </div>	
Description: B107 weekly inspection of joint. Surrounding concrete in good conditions. No NAPL observed along joint. Lat: 29.784113 Long: -95.320964			
Photo No. 18	Inspection Date: 1/8/2025	<div> <div> North Elevation </div> <div> 116°E (T) • 29.784221, -95.321059 ±3m ▲ -17m </div>  <div> FE 1&3 </div> <div> HWPW 08 Jan 2025, 1:05:14 PM </div> </div>	
Description: FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784221 Long: -95.321059			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 19	Inspection Date: 1/8/2025	<div> <div>North Elevation</div> <div> 93°E (T) • 29.784062, -95.320856 ±7m ▲ -16m </div>  <div> FE 2 <div> HWPW 08 Jan 2025, 1:06:07 PM </div> </div> </div>	
Description: FE-2 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784062 Long: -95.320856			
Photo No. 20	Inspection Date: 1/8/2025	<div> <div>North Elevation</div> <div> 134°SE (T) • 29.784706, -95.31962 ±7m ▲ -18m </div>  <div> FE 4 <div> HWPW 08 Jan 2025, 1:07:24 PM </div> </div> </div>	
Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784706 Long: -95.319620			



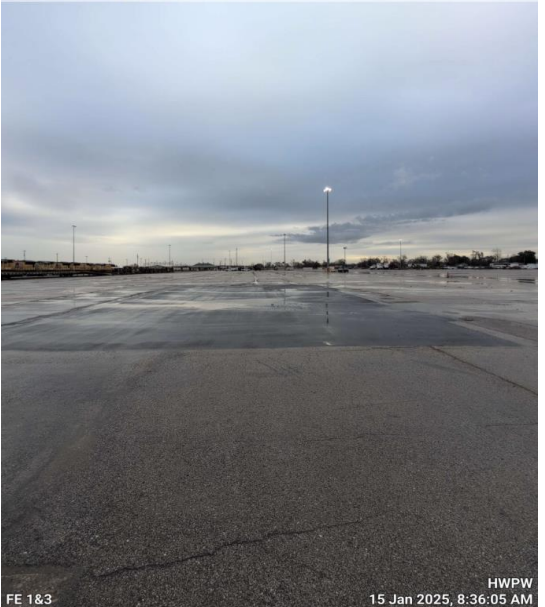
		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 21	Inspection Date: 1/8/2025	<div> <div> East Elevation </div> <div> ☉ 197°S (T) • 29.785406, -95.318492 ±3m ▲ -16m </div>  <div> FE 5 HWPW 08 Jan 2025, 1:09:12 PM </div> </div>	
Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785406 Long: -95.318492			
Photo No. 22	Inspection Date: 1/8/2025	<div> <div> North Elevation </div> <div> ☉ 126°SE (T) • 29.785513, -95.318443 ±5m ▲ -18m </div>  <div> FE 6 HWPW 08 Jan 2025, 1:09:46 PM </div> </div>	
Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785513 Long: -95.318443			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
		Project No. US0039040.4227	
Photo No. 23	Inspection Date: 1/8/2025	<div> <div> West Elevation </div> <div> 73°NE (T) • 29.784128, -95.320639 ±4m ▲ -16m </div>  <div> FE 7 <div> HWPW 08 Jan 2025, 1:06:26 PM </div> </div> </div>	
Description: FE-7 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784128 Long: -95.320639			
Photo No. 24	Inspection Date: 1/8/2025	<div> <div> West Elevation </div> <div> 82°E (T) • 29.784894, -95.319113 ±6m ▲ -17m </div>  <div> FE 8 <div> HWPW 08 Jan 2025, 1:07:46 PM </div> </div> </div>	
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784894 Long: -95.319113			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 25	Inspection Date: 1/8/2025	<div> <div>North Elevation</div> <div> ☉ 124°SE (T) • 29.78521, -95.318403 ±3m ▲ -18m </div>  <div> FE 9 HWPW 08 Jan 2025, 1:08:15 PM </div> </div>	
Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785210 Long: -95.318403			
Photo No. 26	Inspection Date: 1/8/2025	<div> <div>North Elevation</div> <div> ☉ 108°E (T) • 29.784862, -95.317799 ±6m ▲ -20m </div>  <div> FE 10 HWPW 08 Jan 2025, 1:08:40 PM </div> </div>	
Description: FE-10 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784862 Long: -95.317799			


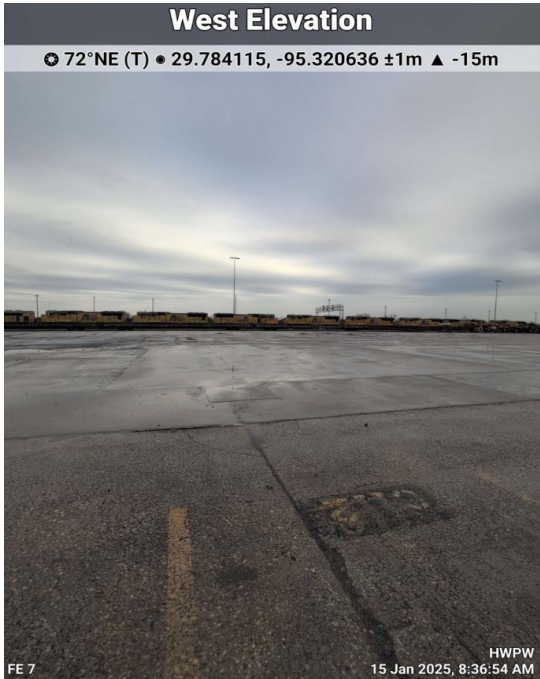
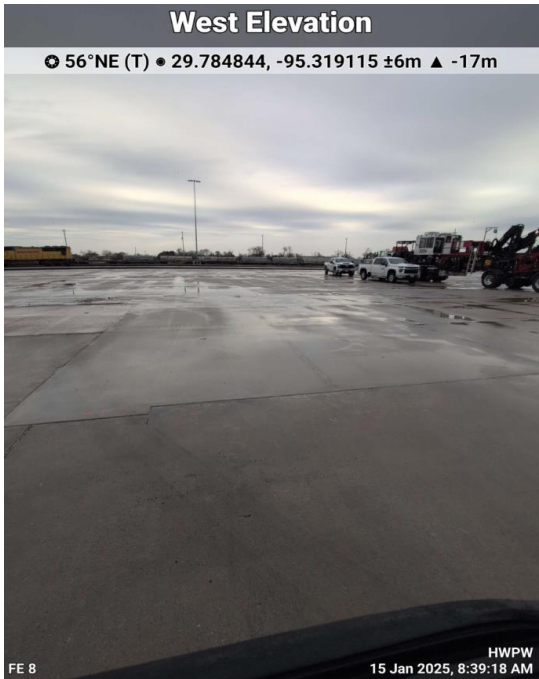
		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 27	Inspection Date: 1/8/2025	<div> <div> North Elevation </div> <div> 125°SE (T) • 29.78429, -95.319554 ±5m ▲ -18m </div>  <div> FE 11 HWPW 08 Jan 2025, 1:07:00 PM </div> </div>	
Description: FE-11 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784290 Long: -95.319554			
Photo No. 28	Inspection Date: 1/8/2025	<div> <div> East Elevation </div> <div> 179°S (T) • 29.785534, -95.318635 ±8m ▲ -18m </div>  <div> FE 12 HWPW 08 Jan 2025, 1:09:28 PM </div> </div>	
Description: FE-12 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785534 Long: -95.318635			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 29	Inspection Date: 1/8/2025	<div> <div> North Elevation </div> <div> 169°S (T) • 29.785103, -95.321246 ±2m ▲ -21m </div>  <div> FE 13 </div> <div> HWPW 08 Jan 2025, 1:10:42 PM </div> </div>	
Description: FE-13 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785103 Long: -95.321246			
Photo No. 30	Inspection Date: 1/8/2025	<div> <div> North Elevation </div> <div> 162°SE (T) • 29.784864, -95.321249 ±0m ▲ -26m </div>  <div> TRACK 802 </div> <div> HWPW 08 Jan 2025, 1:40:13 PM </div> </div>	
Description: Track 802 weekly inspection of track. Surrounding concrete in good conditions. No NAPL observed at location. Lat: 29.784864 Long: -95.321249			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 31	Inspection Date: 1/8/2025	<div> <div> East Elevation </div> <div> ☉ 304°NW (T) • 29.784149, -95.320971 ±0m ▲ -20m </div>  <div> B 107 </div> <div> HWPW 08 Jan 2025, 1:43:22 PM </div> </div>	
Description: B107 weekly inspection of joint. Surrounding concrete in good conditions. No NAPL observed along joint. Lat: 29.784149 Long: -95.320971			
Photo No. 32	Inspection Date: 1/15/2025	<div> <div> North Elevation </div> <div> ☉ 103°E (T) • 29.784201, -95.321045 ±2m ▲ -15m </div>  <div> FE 1&3 </div> <div> HWPW 15 Jan 2025, 8:36:05 AM </div> </div>	
Description: FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784201 Long: -95.321045			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 33	Inspection Date: 1/15/2025	<div> <div> West Elevation </div> <div> ☉ 86°E (T) • 29.78403, -95.320786 ±4m ▲ -15m </div>  <div> FE 2 HWPW 15 Jan 2025, 8:36:33 AM </div> </div>	
Description: FE-2 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784030 Long: -95.320786			
Photo No. 34	Inspection Date: 1/15/2025	<div> <div> North Elevation </div> <div> ☉ 104°E (T) • 29.784753, -95.319707 ±2m ▲ -16m </div>  <div> FE 4 HWPW 15 Jan 2025, 8:40:28 AM </div> </div>	
Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784753 Long: -95.319707			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 35	Inspection Date: 1/15/2025	<div> <div>West Elevation</div> <div> 99°E (T) • 29.785249, -95.318778 ±0m ▲ -15m </div>  <div> FE 5 <div> HWPW 15 Jan 2025, 8:41:25 AM </div> </div> </div>	
Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785249 Long: -95.318778			
Photo No. 36	Inspection Date: 1/15/2025	<div> <div>North Elevation</div> <div> 92°E (T) • 29.785354, -95.318293 ±6m ▲ -18m </div>  <div> FE 6 <div> HWPW 15 Jan 2025, 8:49:07 AM </div> </div> </div>	
Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785354 Long: -95.318293			



		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 37	Inspection Date: 1/15/2025	<div> <div> West Elevation </div> <div> ☉ 72°NE (T) • 29.784115, -95.320636 ±1m ▲ -15m </div>  </div>	
Description: FE-7 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784115 Long: -95.320636			
Photo No. 38	Inspection Date: 1/15/2025	<div> <div> West Elevation </div> <div> ☉ 56°NE (T) • 29.784844, -95.319115 ±6m ▲ -17m </div>  </div>	
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784844 Long: -95.319115			



		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
		Project No. US0039040.4227	
Photo No. 39	Inspection Date: 1/15/2025	<div> <div> West Elevation </div> <div> ⦿ 74°NE (T) • 29.785187, -95.318378 ±6m ▲ -18m </div>  <div> FE 9 <div> HWPW 15 Jan 2025, 8:49:53 AM </div> </div> </div>	
Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785187 Long: -95.318378			
Photo No. 40	Inspection Date: 1/15/2025	<div> <div> West Elevation </div> <div> ⦿ 69°NE (T) • 29.784834, -95.317716 ±1m ▲ -16m </div>  <div> FE 10 <div> HWPW 15 Jan 2025, 8:42:33 AM </div> </div> </div>	
Description: FE-10 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784834 Long: -95.317716			

		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
		Project No. US0039040.4227	
Photo No. 41	Inspection Date: 1/15/2025	<div> <div> West Elevation </div> <div> ☉ 96°E (T) • 29.784263, -95.319559 ±4m ▲ -16m </div>  <div> FE 11 HWPW 15 Jan 2025, 8:37:46 AM </div> </div>	
Description: FE-11 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784263 Long: -95.319559			
Photo No. 42	Inspection Date: 1/15/2025	<div> <div> West Elevation </div> <div> ☉ 125°SE (T) • 29.785533, -95.318729 ±1m ▲ -15m </div>  <div> FE 12 HWPW 15 Jan 2025, 8:41:55 AM </div> </div>	
Description: FE-12 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785533 Long: -95.318729			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 43	Inspection Date: 1/15/2025	<div> <div> North Elevation </div> <div> 127°SE (T) • 29.785068, -95.32129 ±1m ▲ -16m </div>  <div> FE 13 </div> <div> HWPW 15 Jan 2025, 8:45:01 AM </div> </div>	
Description: FE-13 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785068 Long: -95.321290			
Photo No. 44	Inspection Date: 1/15/2025	<div> <div> North Elevation </div> <div> 179°S (T) • 29.784918, -95.321214 ±3m ▲ -16m </div>  <div> Track 802 </div> <div> HWPW 15 Jan 2025, 8:46:41 AM </div> </div>	
Description: Track 802 weekly inspection of track. Surrounding concrete in good conditions. No NAPL observed at location. Lat: 29.784918 Long: -95.321214			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 45	Inspection Date: 1/15/2025	<div> <div> South Elevation </div> <div> 1°N (T) • 29.784115, -95.320962 ±1m ▲ -14m </div>  <div> B 107 </div> <div> HWPW 15 Jan 2025, 9:16:18 AM </div> </div>	
Description: B107 weekly inspection of joint. Surrounding concrete in good conditions. No NAPL observed along joint. Lat: 29.784115 Long: -95.320962			
Photo No. 46	Inspection Date: 1/22/2025	<div> <div> West Elevation </div> <div> 96°E (T) • 29.784233, -95.321076 ±5m ▲ -13m </div>  <div> FE 1&3 </div> <div> HWPW 22 Jan 2025, 11:20:00 AM </div> </div>	
Description: FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784233 Long: -95.321076			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 47	Inspection Date: 1/22/2025	<div> <div> West Elevation </div> <div> 96°E (T) • 29.78408, -95.320915 ±7m ▲ -13m </div>  <div> FE 2 </div> <div> HWPW 22 Jan 2025, 11:20:25 AM </div> </div>	
Description: FE-2 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784080 Long: -95.320915			
Photo No. 48	Inspection Date: 1/22/2025	<div> <div> North Elevation </div> <div> 95°E (T) • 29.784745, -95.3197 ±5m ▲ -14m </div>  <div> FE 4 </div> <div> HWPW 22 Jan 2025, 11:22:09 AM </div> </div>	
Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784745 Long: -95.319700			



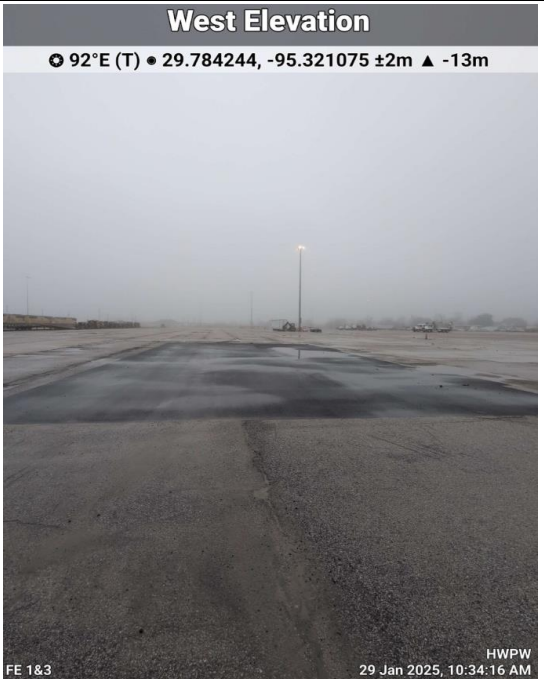
		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 49	Inspection Date: 1/22/2025	<div> <div> North Elevation </div> <div> 174°S (T) • 29.785436, -95.318542 ±5m ▲ -14m </div>  <div> FE 5 HWPW 22 Jan 2025, 11:24:59 AM </div> </div>	
Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785436 Long: -95.318542			
Photo No. 50	Inspection Date: 1/22/2025	<div> <div> South Elevation </div> <div> 284°W (T) • 29.785375, -95.318285 ±5m ▲ -14m </div>  <div> FE/6 HWPW 22 Jan 2025, 11:24:33 AM </div> </div>	
Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785375 Long: -95.318285			

		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 51	Inspection Date: 1/22/2025	<div> <div> West Elevation <div> 92°E (T) • 29.784144, -95.320691 ±6m ▲ -14m </div>  <div> FE 7 <div> HWPW 22 Jan 2025, 11:20:46 AM </div> </div> </div> </div>	
Description: FE-7 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784144 Long: -95.320691			
Photo No. 52	Inspection Date: 1/22/2025	<div> <div> West Elevation <div> 88°E (T) • 29.784845, -95.319174 ±3m ▲ -13m </div>  <div> FE 8 <div> HWPW 22 Jan 2025, 11:23:01 AM </div> </div> </div> </div>	
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784845 Long: -95.319174			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 53	Inspection Date: 1/22/2025	<div> <div> South Elevation </div> <div> 319°NW (T) • 29.785207, -95.31837 ±6m ▲ -14m </div>  <div> FE 9 HWPW 22 Jan 2025, 11:24:10 AM </div> </div>	
Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785207 Long: -95.318370			
Photo No. 54	Inspection Date: 1/22/2025	<div> <div> North Elevation </div> <div> 95°E (T) • 29.784864, -95.317775 ±4m ▲ -14m </div>  <div> FE 10 HWPW 22 Jan 2025, 11:23:34 AM </div> </div>	
Description: FE-10 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784864 Long: -95.317775			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
		Project No. US0039040.4227	
Photo No. 55	Inspection Date: 1/22/2025	<div> <div> North Elevation </div> <div> ⊙ 117°E (T) • 29.784302, -95.319598 ±5m ▲ -13m </div>  <div> FE 11 </div> <div> HWPW 22 Jan 2025, 11:21:31 AM </div> </div>	
Description: FE-11 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784302 Long: -95.319598			
Photo No. 56	Inspection Date: 1/22/2025	<div> <div> North Elevation </div> <div> ⊙ 87°E (T) • 29.785473, -95.318701 ±4m ▲ -14m </div>  <div> FE 12 </div> <div> HWPW 22 Jan 2025, 11:25:30 AM </div> </div>	
Description: FE-12 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785473 Long: -95.318701			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 57	Inspection Date: 1/22/2025	<div> <div> East Elevation </div> <div> 205°S (T) • 29.785026, -95.321192 ±4m ▲ -14m </div>  <div> FE 13 </div> <div> HWPW 22 Jan 2025, 11:27:00 AM </div> </div>	
Description: FE-13 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785026 Long: -95.321192			
Photo No. 58	Inspection Date: 1/22/2025	<div> <div> North Elevation </div> <div> 160°SE (T) • 29.784937, -95.321226 ±5m ▲ -14m </div>  <div> Track 802 </div> <div> HWPW 22 Jan 2025, 11:28:27 AM </div> </div>	
Description: Track 802 weekly inspection of track. Surrounding concrete in good conditions. No NAPL observed at location. Lat: 29.784937 Long: -95.321226			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 59	Inspection Date: 1/22/2025	<div> <div> West Elevation </div> <div> 59°NE (T) • 29.78412, -95.320976 ±3m ▲ -13m </div>  <div> B 107 </div> <div> HWPW 22 Jan 2025, 11:37:30 AM </div> </div>	
Description: B107 weekly inspection of joint. Surrounding concrete in good conditions. No NAPL observed along joint. Lat: 29.784120 Long: -95.320976			
Photo No. 60	Inspection Date: 1/29/2025	<div> <div> West Elevation </div> <div> 92°E (T) • 29.784244, -95.321075 ±2m ▲ -13m </div>  <div> FE 1&3 </div> <div> HWPW 29 Jan 2025, 10:34:16 AM </div> </div>	
Description: FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784244 Long: -95.321075			



		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 61	Inspection Date: 1/29/2025	<div> <div> North Elevation </div> <div> 73°NE (T) • 29.784069, -95.320791 ±2m ▲ -12m </div>  <div> FE 2 HWPW 29 Jan 2025, 10:34:51 AM </div> </div>	
Description: FE-2 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784069 Long: -95.320791			
Photo No. 62	Inspection Date: 1/29/2025	<div> <div> West Elevation </div> <div> 82°E (T) • 29.784719, -95.319667 ±7m ▲ -13m </div>  <div> FE 4 HWPW 29 Jan 2025, 10:37:29 AM </div> </div>	
Description: FE-4 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784719 Long: -95.319667			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 63	Inspection Date: 1/29/2025	<div> <div> North Elevation </div> <div> 171°S (T) • 29.785414, -95.318518 ±3m ▲ -12m </div>  <div> FE 5 HWPW 29 Jan 2025, 10:39:15 AM </div> </div>	
Description: FE-5 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785414 Long: -95.318518			
Photo No. 64	Inspection Date: 1/29/2025	<div> <div> West Elevation </div> <div> 93°E (T) • 29.785348, -95.318317 ±6m ▲ -13m </div>  <div> FE 6 HWPW 29 Jan 2025, 10:40:24 AM </div> </div>	
Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785348 Long: -95.318317			



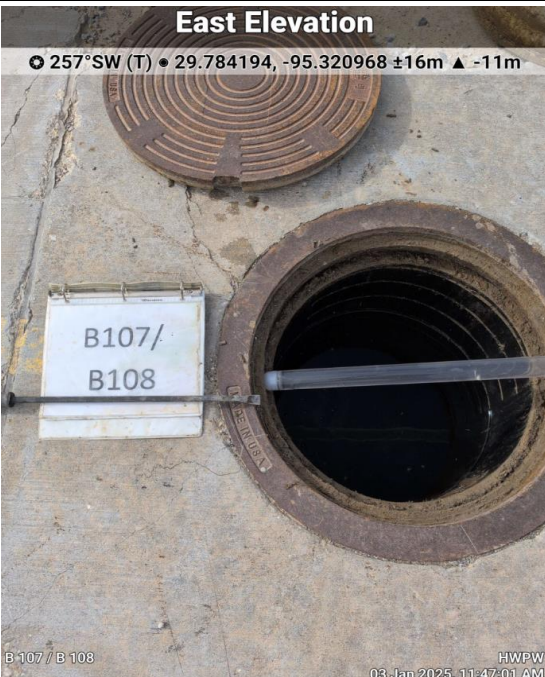
		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 65	Inspection Date: 1/29/2025	<div> <div> West Elevation </div> <div> 74°NE (T) • 29.784173, -95.320629 ±5m ▲ -13m </div>  <div> FE 7 HWPW 29 Jan 2025, 10:35:17 AM </div> </div>	
Description: FE-7 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784173 Long: -95.320629			
Photo No. 66	Inspection Date: 1/29/2025	<div> <div> West Elevation </div> <div> 77°NE (T) • 29.784852, -95.319108 ±2m ▲ -13m </div>  <div> FE 8 HWPW 29 Jan 2025, 10:38:22 AM </div> </div>	
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784852 Long: -95.319108			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 67	Inspection Date: 1/29/2025	<div> <div> North Elevation </div> <div> ☉ 91°E (T) • 29.78519, -95.318395 ±4m ▲ -13m </div>  <div> FE 9 HWPW 29 Jan 2025, 10:39:54 AM </div> </div>	
Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785190 Long: -95.318395			
Photo No. 68	Inspection Date: 1/29/2025	<div> <div> South Elevation </div> <div> ☉ 309°NW (T) • 29.784888, -95.317651 ±4m ▲ -12m </div>  <div> FE 10 HWPW 29 Jan 2025, 10:41:21 AM </div> </div>	
Description: FE-10 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784888 Long: -95.317651			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
		Project No. US0039040.4227	
Photo No. 69	Inspection Date: 1/29/2025	<div> <div>North Elevation</div> <div> 99°E (T) • 29.784303, -95.319579 ±5m ▲ -14m </div>  <div> FE 11 <div>HWPW 29 Jan 2025, 10:36:16 AM</div> </div> </div>	
Description: FE-11 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.784303 Long: -95.319579			
Photo No. 70	Inspection Date: 1/29/2025	<div> <div>North Elevation</div> <div> 94°E (T) • 29.785454, -95.318684 ±6m ▲ -12m </div>  <div> FE 12 <div>HWPW 29 Jan 2025, 10:42:47 AM</div> </div> </div>	
Description: FE-12 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785454 Long: -95.318684			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 71	Inspection Date: 1/29/2025	<div> <div> North Elevation </div> <div> 207°S (T) • 29.785077, -95.321244 ±4m ▲ -11m </div>  <div> FE 13 HWPW 29 Jan 2025, 10:43:44 AM </div> </div>	
Description: FE-13 weekly inspection of concrete cap. Reconstructed cap in good conditions. No NAPL observed at FE location. Lat: 29.785077 Long: -95.321244			
Photo No. 72	Inspection Date: 1/29/2025	<div> <div> North Elevation </div> <div> 187°S (T) • 29.784935, -95.321186 ±1m ▲ -12m </div>  <div> Track 802 HWPW 29 Jan 2025, 11:36:33 AM </div> </div>	
Description: Track 802 weekly inspection of track. Surrounding concrete in good conditions. No NAPL observed at location. Lat: 29.784935 Long: -95.321186			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 73	Inspection Date: 1/29/2025	<div> <div> South Elevation 355°N (T) • 29.784149, -95.32096 ±5m ▲ -12m </div>  <div> B 107 HWPW 29 Jan 2025, 11:41:20 AM </div> </div>	
Description: B107 weekly inspection of joint. Surrounding concrete in good conditions. No NAPL observed along joint. Lat: 29.784149 Long: -95.320960			
Photo No. 74	Inspection Date: 1/3/2025	<div> <div> East Elevation 253°SW (T) • 29.784307, -95.320662 ±15m ▲ -13m </div>  <div> B 99 / B 100 HWPW 03 Jan 2025, 11:54:55 AM </div> </div>	
Description: Sump 1 (B99/B100), 4.5 inches of freeboard in sump. Color is clear, and no odor observed. Sheen observed on the surface. Lat: 29.784307 Long: -95.320662			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
		Project No. US0039040.4227	
Photo No. 75	Inspection Date: 1/3/2025	<div> <div> East Elevation </div> <div> 312°NW (T) • 29.784194, -95.320914 ±3m ▲ -13m </div>  <div> B 103 / 104 HWPW 03 Jan 2025, 11:52:10 AM </div> </div>	
Description: Sump 2 (B103/B104), 12.0 inches of freeboard in sump. Color is clear, and no sheen or odor observed. Lat: 29.784194 Long: -95.320914			
Photo No. 76	Inspection Date: 1/3/2025	<div> <div> East Elevation </div> <div> 257°SW (T) • 29.784194, -95.320968 ±16m ▲ -11m </div>  <div> B 107 / B 108 HWPW 03 Jan 2025, 11:47:01 AM </div> </div>	
Description: Sump 3 (B107/B108), 12.0 inches of freeboard in sump. Color is clear, and no sheen or odor observed. Lat: 29.784194 Long: -95.320968			




		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 77	Inspection Date: 1/8/2025	<div> <div> East Elevation </div> <div> 247°SW (T) • 29.784269, -95.320771 ±1m ▲ -16m </div>  <div> B 99 / B 100 </div> <div> HWPW 08 Jan 2025, 2:35:36 PM </div> </div>	
Description: Sump 1 (B99/B100), 6.0 inches of freeboard in sump. Color is clear, and no odor observed. Sheen observed on the surface.			
Lat: 29.784269 Long: -95.320771			
Photo No. 78	Inspection Date: 1/8/2025	<div> <div> East Elevation </div> <div> 258°SW (T) • 29.784215, -95.320896 ±0m ▲ -31m </div>  <div> B 103 / B 104 </div> <div> HWPW 08 Jan 2025, 2:13:30 PM </div> </div>	
Description: Sump 2 (B103/B104), 10.5 inches of freeboard in sump. Color is clear, and no sheen or odor observed.			
Lat: 29.784215 Long: -95.320896			

		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 79	Inspection Date: 1/8/2025	<div> <div> East Elevation </div> <div> 246°SW (T) • 29.784175, -95.320996 ±0m ▲ -21m </div>  <div> B 107 / B 108 HWPW 08 Jan 2025, 2:08:32 PM </div> </div>	
Description: Sump 3 (B107/B108), 11.0 inches of freeboard in sump. Color is clear, and no sheen or odor observed. Lat: 29.784175 Long: -95.320996			
Photo No. 80	Inspection Date: 1/15/2025	<div> <div> North Elevation </div> <div> 211°S (T) • 29.784297, -95.320782 ±2m ▲ -18m </div>  <div> B 99 / B 100 under water HWPW 15 Jan 2025, 9:51:16 AM </div> </div>	
Description: Sump 1 (B99/B100), 0.0 inches of freeboard in sump. Color is clear, and no sheen or odor observed. Lat: 29.784297 Long: -95.320782			

		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 81	Inspection Date: 1/15/2025	<div> <div> East Elevation </div> <div> 233°SW (T) • 29.784197, -95.3209 ±0m ▲ -13m </div>  <div> B. 103 /B 104 </div> <div> HWPW 15 Jan 2025, 9:42:02 AM </div> </div>	
Description: Sump 2 (B103/B104), 0.0 inches of freeboard in sump. Color is clear, and no sheen or odor observed. Lat: 29.784197 Long: -95.320900			
Photo No. 82	Inspection Date: 1/15/2025	<div> <div> East Elevation </div> <div> 263°W (T) • 29.784169, -95.321025 ±2m ▲ -16m </div>  <div> B 107 /B 108 </div> <div> HWPW 15 Jan 2025, 9:35:55 AM </div> </div>	
Description: Sump 3 (B107/B108), 0.0 inches of freeboard in sump. Color is clear, and no sheen or odor observed. Lat: 29.784169 Long: -95.321025			

		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 83	Inspection Date: 1/22/2025	<div> <div> East Elevation </div> <div> 223°SW (T) • 29.784265, -95.32079 ±5m ▲ -13m </div>  <div> B 99 / B 100 </div> <div> HWPW 22 Jan 2025, 12:01:12 PM </div> </div>	
Description: Sump 1 (B99/B100), 1.5 inches of freeboard in sump. Color is clear, and no sheen or odor observed. Lat: 29.784265 Long: -95.320790			
Photo No. 84	Inspection Date: 1/22/2025	<div> <div> East Elevation </div> <div> 277°W (T) • 29.784199, -95.320871 ±3m ▲ -12m </div>  <div> B 103 / B 104 </div> <div> HWPW 22 Jan 2025, 11:57:17 AM </div> </div>	
Description: Sump 2 (B103/B104), 4.0 inches of freeboard in sump. Color is clear, and no sheen or odor observed. Lat: 29.784199 Long: -95.320871			

		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	
Project No. US0039040.4227			
Photo No. 85	Inspection Date: 1/22/2025	<div> <div> East Elevation </div> <div> 254°SW (T) • 29.784187, -95.321036 ±1m ▲ -12m </div>  <div> B 107 / B 108 </div> <div> HWPW 22 Jan 2025, 11:49:25 AM </div> </div>	
Description: Sump 3 (B107/B108), 3.5 inches of freeboard in sump. Color is clear, and no sheen or odor observed.			
Lat: 29.784187 Long: -95.321036			
Photo No. 86	Inspection Date: 1/29/2025	<div> <div> East Elevation </div> <div> 277°W (T) • 29.784318, -95.320758 ±12m ▲ -5m </div>  <div> B 99 / B 100 </div> <div> HWPW 29 Jan 2025, 12:12:29 PM </div> </div>	
Description: Sump 1 (B99/B100), 0.0 inches of freeboard in sump. Color is clear, and no odor observed. Sheen observed on the surface.			
Lat: 29.784318 Long: -95.320758			

		PHOTOGRAPHIC LOG	
Client Name: Union Pacific Railroad		Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
Photo No. 87	Inspection Date: 1/29/2025	<div> <div> East Elevation </div> <div> 273°W (T) • 29.784214, -95.320912 ±1m ▲ -6m </div>  <div> B 103 / B104 HWPW 29 Jan 2025, 12:10:10 PM </div> </div>	
Description: Sump 2 (B103/B104), 0.0 inches of freeboard in sump. Color is clear, and no sheen or odor observed.			
Lat: 29.784214 Long: -95.320912			
Photo No. 88	Inspection Date: 1/29/2025	<div> <div> East Elevation </div> <div> 257°SW (T) • 29.784181, -95.320996 ±3m ▲ -7m </div>  <div> B 107 / B108 HWPW 29 Jan 2025, 12:07:36 PM </div> </div>	
Description: Sump 3 (B107/B108), 0.0 inches of freeboard in sump. Color is clear, and no odor observed. Sheen observed on the surface.			
Lat: 29.784181 Long: -95.320996			