September 15, 2026 Project No. US0039040.3990

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

Re: **MONTHLY STATUS UPDATE – AUGUST 2026**
ENGLEWOOD INTERMODAL YARD – REVISED INTERIM MEASURES WORK PLAN POST-CONSTRUCTION AND NAPL COLLECTION SYSTEM/CONCRETE CAP REPAIR INSPECTIONS
UNION PACIFIC RAILROAD HOUSTON WOOD PRESERVING WORKS FACILITY
4910 LIBERTY ROAD FACILITY, HOUSTON, TEXAS
POST-CLOSURE CARE PERMIT NO. HW-50343; INDUSTRIAL SWR NO. 31547

Dear Ms. Hatfield:

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

Focused Excavation Inspections

UPRR initiated the interim measure remediation activities detailed in the Revised IMWP on April 29, 2024, and completed construction activities on November 15, 2024. Final waste disposal was completed on July 24, 2025. The Response Action Completion Report (RACR) summarizing the Focused Excavation response actions was submitted to the TCEQ on July 17, 2025. UPRR received TCEQ's Approval with Comments on the RACR on January 7, 2026. UPRR submitted a Response to Comments and Interim Measures Work Plan Addendum to TCEQ on March 6, 2026. UPRR received TCEQ's Approval with Comments on the Interim Measures Work Plan Addendum on July 28, 2026. UPRR is in the process of procuring a contractor and will provide further updates to TCEQ on the schedule for implementation of the proposed work, as necessary.

Following completion of the remediation activities, WSP, on behalf of UPRR, began conducting weekly inspections of the 13 completed Focused Excavation (FE) re-constructed cap areas. For August 2026, weekly inspections were

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conducted on August 5, 12, 19, and 26, 2026. Figure 1 shows the locations of the FE areas. Photographs from the weekly inspections of the FE areas are provided in Attachment A under Photo Numbers 1 through 59. Observations from the weekly inspections included the following:

- WSP noted the reconstructed FE concrete and asphalt cap areas were in good condition during the weekly inspections. WSP personnel did not observe any tar-like material or NAPL seeps at the FE locations.
- Brown water staining was observed during the following inspection dates at the following locations:
  - August 5:
    - FE-5 - Along the southern and western joints (Photo Nos. 4 through 7),
    - FE-6 - Along the western joint perpendicular to the reconstructed asphalt cap and southern joint (Photo Nos. 8 and 9)
    - FE-7 - Along the northern joint of the reconstructed concrete cap of FE-7 (Photo No. 10).
  - August 12:
    - FE-5 - Along the southern joint (Photo Nos. 20 and 21)
    - FE-6 - Along the western joint perpendicular to the reconstructed asphalt cap with standing brown water, and along southern joint (Photo Nos. 22 through 24)
  - August 19:
    - FE-6 - Along the western joint perpendicular to the reconstructed asphalt cap with standing brown water (Photo Nos. 36 and 37)
  - August 26:
    - FE-5 - Along the southern joint (Photo No. 49),
    - FE-6 - Along the western joint perpendicular to the reconstructed asphalt cap (Photo No. 50)
    - FE-7 - Along the northern joint of the reconstructed concrete cap of FE-7 (Photo Nos. 51 through 53).
- No other brown water staining was observed at the FEs.
- On August 14, UPRR remediation contractor E3 mobilized to the site to pressure wash areas of brown water staining and recover standing water.

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

The following is a summary of the observations from the weekly inspections in August 2026 of the NAPL Collection System area and EIY concrete/asphalt cap outside the NAPL Collection System. Photographs from the weekly inspections of the NAPL Collection System are provided in Attachment A (Photo Numbers 60 through 75).

NAPL Collection System Area

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

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

Date	Sump 1 (DTW, inches)	Sump 2 (DTW, inches)	Sump 3 (DTW, inches)	Photo Nos. (Attachment A)
August 5	0.0	11.5	10.8	60, 62, and 63
August 12	0.0	2.0	1.4	64, 65, and 66
August 19	0.0	11.0	10.0	67, 69, and 70
August 26	1.0	12.0	11.0	71, 74, and 75

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

Observations from the weekly inspections included the following:

- A total of approximately 3.6 cubic inches (approximately 2.0 fluid ounces) of NAPL were recovered (Photo Nos. 61, 68, and 73) from the inflow protector of Sump 1 on August 5, August 19, and August 26. No NAPL was observed or recovered from Sump 1 during the inspection on August 12. No NAPL was observed or recovered from Sumps 2 and 3 during the August 2026 weekly inspections. During the August inspections, the small amount of NAPL accumulated on the underside of the inflow protector for Sump 1 (Photo Nos. 60, 64, 67, and 72) was similar in appearance to the amount observed in July.
- Water in Sump 1 was observed to be brown, and water in Sump 2 and 3 was clear and light brown during the August inspections. A sheen was observed in Sump 1 on August 5, August 12, and August 19 and in Sump 3 on August 5, August 19, and August 26. No indications of a sheen were observed in Sump 2 during the August inspections. No odors were reported during the August inspections.
- A tar-like material seep was observed at a concrete joint at stall B107 during each of the weekly inspections immediately adjacent to the NAPL Collection System. A total of approximately 31.1 cubic inches (approximately 17.2 fluid ounces) of NAPL were recovered (Photo Nos. 76 through 84). No NAPL seeps were observed along the concrete joints near the NAPL Collection System during the August inspections.

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

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

- A tar-like material seep was observed at Track 802 during each of the weekly inspections. A total of approximately 4.3 cubic inches (approximately 2.4 fluid ounces) of NAPL were recovered (Photo Nos. 85 through 90).
- A tar-like material seep was observed in the center of stall B102 during each of the weekly inspections. A total of approximately 16.7 cubic inches (approximately 9.3 fluid ounces) of NAPL were recovered (Photo Nos. 91 through 98).
- The total volume of tar-like material recovered from the surface seeps in August 2026 was approximately 29 fluid ounces.

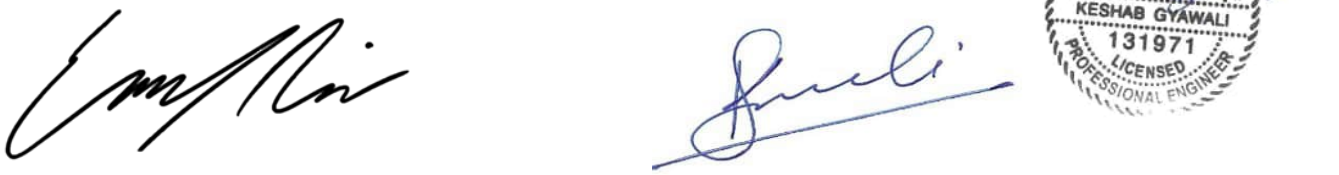
- The previously observed seeps at stalls B100/B101/B105 (FE-1&3), B102 (joint) (FE-2), B056/B057 (FE-4), A021/A022 (FE-5), A010/A011 (FE-6), B096 (FE-7), B042 (FE-8), B016 (FE-9), and RD-14 (FE-13) have been addressed through the Focused Excavation activities.
- During the August 2026 inspections, no NAPL seeps were observed at the at the test pit locations from October 2018 and July 2020 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).
- Brown water staining was observed within the EIY at the following locations: the asphalt joint between Row A stalls A060 through A089 on August 5 (Photo No. 99) and August 12 (Photo No. 101); the asphalt joint between Row B stalls B026 through B027 on August 5 (Photo No. 100).

A figure showing the active and historical seep locations is provided as Figure 1. A table tallying the active seeps observed in August 2026 is provided as Table 2.

If you have any questions or need additional information, please feel free to call us at (512) 684-3385 or Mr. Kevin Peterburs of UPRR at (414) 267-4164.

Sincerely,

WSP USA Inc.



Manny Higa
Lead Consultant, Geologist

Keshab Gyawali, PE
Lead Consultant, Civil Engineer

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

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

Tables

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

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
8/14/2019	2.5	28	29	Not measurable	
8/21/2019	0	27.5	26.5	Not measurable	
8/28/2019	44.5	47.9	45	Not measurable	Water from sumps pumped out
9/4/2019	19	42	41.5	Not measurable	
9/13/2019	0	39.5	38	Not measurable	
9/20/2019	0	3	2.5	Not measurable	
9/25/2019	0	42	42.5	Not measurable	Water from sumps pumped out
10/2/2019	2.5	42.5	42	Not measurable	Sheen visible in B107/B108 sump, less than 0.1 gal of DNAPL recovered
10/9/2019	3	42	41.5	Not measurable	Sheen visible in B107/B108 sump, less than 0.1 gal of DNAPL recovered
10/16/2019	0	39.5	39	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
10/24/2019	3	35	25	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
10/29/2019	0	24	23	Not measurable	Water from sumps pumped out
10/30/2019	0	40	39	Not measurable	Slight sheen visible in B107/B108 sump
11/6/2019	9	39	38.5	Not measurable	
11/13/2019	7	30	29	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
11/19/2019	4	26	25.5	Not measurable	
11/27/2019	0	25	23	Not measurable	
12/3/2019	2	25.5	25	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
12/11/2019	1.5	17	16.54	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
12/17/2019	5	19.5	17.5	Not measurable	
12/23/2019	10	21	20.5	Not measurable	
1/7/2020	9	13	12.5	Not measurable	
1/8/2020	9	13	12.5	Not measurable	Water from sumps pumped out
1/17/2020	0	32	31.5	Not measurable	
1/21/2020	2.5	26.5	26	Not measurable	
1/28/2020	0	0	0	Not measurable	
2/4/2020	2	11	10.5	Not measurable	
2/12/2020	0	0	0	Not measurable	
2/18/2020	1.5	11.5	10.25	Not measurable	Water from sumps pumped out on 2/20/2020
2/27/2020	2	42	36	Not measurable	
3/6/2020	1	36	36	Not measurable	
3/11/2020	2	36	35.5	Not measurable	
3/18/2020	0	35.5	35	Not measurable	
3/27/2020	0	29	28	Not measurable	
4/3/2020	1.5	29	28.5	Not measurable	
4/8/2020	0	23	22	Not measurable	
4/15/2020	0.5	23	22	Not measurable	
4/21/2020	0	21	21	Not measurable	
4/28/2020	0	23	22	Not measurable	
5/4/2020	-	-	-	Not Measured	Measurements were not taken; the inspector was unable to open the sumps
5/12/2020	0	20	19	Not measurable	
5/19/2020	0	15.75	14.25	Not measurable	Sump 1 pumped down (May 22nd)
5/27/2020	0	14	13	Not measurable	
6/1/2020	0	7	5	Not measurable	
6/10/2020	0	10	9	Not measurable	
6/17/2020	1	12	11	Not measurable	
6/25/2020	0	0	0	Not measurable	
6/30/2020	0	0	0	Not measured	
7/1/2020	48	46	47	Not measurable	Sumps 1, 2, & 3 pumped down
7/8/2020	34	24.5	24	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
7/15/2020	32	29.5	29	Not measurable	Sheen visible in B99/B100 sump & B107/B108 sump, less than 0.1 gal of DNAPL recovered B107/B108 sump
7/23/2020	0	23	22.5	Not measured	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
7/31/2020	0	11	10	Not measurable	
8/5/2020	0	7	5	Not measurable	
8/13/2020	1	11	10	Not measurable	
8/19/2020	0	7	6	Not measurable	
8/26/2020	0	10	9	Not measurable	
9/2/2020	43	37	38	Not measurable	Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump
9/9/2020	28	37	36	Not measurable	Sheen visible in B107/B108 sump
9/15/2020	1	35	33	Not measurable	
9/23/2020	0	0	0	Not measurable	
9/30/2020	1	10	9	Not measurable	
10/8/2020	4	12	11.5	Not measurable	
10/15/2020	0	11	10.5	Not measurable	Less than 0.1 gal of DNAPL recovered B107/B108 sump
10/21/2020	1	10.5	9.25	Not measurable	
10/28/2020	0	11	10	Not measurable	
11/4/2020	9	13	12	Not measurable	
11/11/2020	0.5	12	11	Not measurable	
11/18/2020	3.5	13	12	Not measurable	
11/24/2020	7	14	13.5	Not measurable	
11/30/2020	2	7	6	Not measurable	
12/10/2020	5	10.5	10	Not measurable	

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Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
12/18/2020	4	10	9	Not measurable	
12/23/2020	1	9	7.5	Not measurable	
12/31/2020	0	4	3.5	Not measurable	
1/6/2021	4	10.5	9	Not measurable	
1/15/2021	43	39	37.5	Not measurable	Sumps 1, 2, & 3 pumped down
1/22/2021	0	34	33	Not measurable	Sheen visible in B107/B108 sump
1/29/2021	2	31	30	Not measurable	Sheen visible in B107/B108 sump
2/4/2021	4	30	29.5	Not measurable	Sheen visible in B099/B100 sump
2/10/2021	0	27	25.5	Not measurable	
2/17/2021	0	0	0	Not measurable	
2/24/2021	2	10	9.5	Not measurable	
3/2/2021	0	0	0	Not measurable	
3/10/2021	0	10	9.75	Not measurable	
3/17/2021	0	2	1	Not measurable	
3/24/2021	0	3.5	2	Not measurable	
3/31/2021	0	6.5	7	Not measurable	
4/8/2021	0	7.5	7	Not measurable	
4/14/2021	0	6.5	6	Not measurable	Less than 0.1 gal of DNAPL recovered B107/B108 sump; Sheen visible in B103/104 and B107/B108 sumps
4/21/2021	0.5	9	8.5	Not measurable	
4/28/2021	0	8.5	8	Not measurable	
5/5/2021	0	7.5	7	Not measurable	
5/12/2021	0	8	7.5	Not measurable	
5/19/2021	0	0	0	Not measurable	
5/26/2021	0	2	0.5	Not measurable	
5/27/2021	41	32	26	Not measurable	Sumps 1,2, & 3 pumped down
6/2/2021	0	40	38	Not measurable	Sheen visible in B107/108 sump
6/9/2021	0	30	28.5	Not measurable	
6/16/2021	0	24	25	Not measurable	
6/23/2021	0	12	13	Not measurable	
6/30/2021	0	3	1	Not measurable	
7/7/2021	0	0	0	Not measurable	
7/14/2021	0	0	0	Not measurable	Sumps 1,2, & 3 pumped down (July 15)
7/21/2021	0	39	37	Not measurable	
7/29/2021	0	37	35.5	Not measurable	
8/4/2021	0	36	34	Not measurable	Sheen visible in B103/104 and B107/B108 sumps
8/11/2021	0	33	32	Not Measured	Depth to DNAPL measurements were not taken; the interface probe was not functioning properly
8/18/2021	0	25	23	Not measurable	
8/25/2021	0	20	22	Not measurable	
9/1/2021	0	20	17	Not measurable	
9/8/2021	3	14	11	Not measurable	
9/15/2021	0	3	4	Not measurable	Sumps 1,2, & 3 pumped down (September 17)
9/22/2021	31.5	46	46	Not measurable	Sheen visible in B107/B108 sump
9/29/2021	0	29	30.75	Not measurable	Sheen visible in B103/104 and B107/B108 sumps
10/7/2021	6	18	17.5	Not measurable	
10/13/2021	3.6	10.56	9.72	Not measurable	Sheen visible in B103/104 and B107/B108 sumps; brown discoloration and slight odor noted B099/B100 sump
10/20/2021	0	13.94	12.6	Not measurable	Sumps 1,2, & 3 pumped down (October 21)
10/27/2021	0	22	21	Not measurable	Sheen visible in B099/B100 sump
11/3/2021	10	20	21	Not measurable	
11/10/2021	12	16	15	Not measurable	
11/17/2021	8	16	15	Not measurable	
11/24/2021	7	14	13	Not measurable	
12/1/2021	7	15	14	Not measurable	
12/8/2021	6	12.5	12	Not measurable	
12/15/2021	7	15	15	Not measurable	
12/22/2021	-	-	-	Not Measured	Partial site inspection conducted 12/22/21; Sump measurements were not taken
12/29/2021	0	11.5	11	Not measurable	
1/5/2022	8.75	13.5	12.25	Not measurable	
1/12/2022	6	12	12	Not measurable	
1/19/2022	13.5	17	16	Not measurable	Sheen visible in B099/B100 sump
1/27/2022	3	9	9	Not measurable	
2/2/2022	-	-	-	Not Measured	Measurements were not taken; the inspector was unable to open the sumps
2/9/2022	9	15	15	Not measurable	
2/16/2022	8.5	17	16	Not measurable	
2/23/2022	5.5	14	13.5	Not measurable	
3/2/2022	5.5	15	14	Not measurable	
3/9/2022	4.5	7	6	Not measurable	
3/16/2022	48	36	45	Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.5 gal of DNAPL recovered B107/B108 sump
3/23/2022	6	29	28	Not measurable	
3/30/2022	5.5	28	28	Not measurable	
4/6/2022	3.5	19	18	Not measurable	

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UPRR Houston, tx - Wood Preserving Works

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
4/13/2022	4.5	18	15	Not measurable	Sheen visible in B099/B100 sump
4/20/2022	5	18	18	Not measurable	Sheen visible in B099/B100 sump
4/27/2022	4.5	12	8.5	Not measurable	
5/4/2022	48	42	45	Not measurable	Sumps 1,2, & 3 pumped down during inspection; Sheen visible in B099/B100 sump
5/11/2022	16	44.5	44	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps
5/18/2022	6.5	45	45	Not measurable	
5/25/2022	0	25	24	Not measurable	
6/1/2022	5.5	24	24	Not measurable	
6/8/2022	5	22	22	Not measurable	Sheen visible in B099/B100 and B103/104 sumps
6/15/2022	5	25	24	Not measurable	
6/22/2022	4.5	24	21	Not measurable	
6/29/2022	6	21	21	Not measurable	
7/6/2022	5.5	13	13	Not measurable	
7/13/2022	5	15	14	Not measurable	Sheen visible in B099/B100 sump
7/20/2022	51.5	38	43.5	Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump
7/27/2022	4	42	40	Not measurable	
8/3/2022	5	39	39	Not measurable	
8/10/2022	5.5	38	38	Not measurable	Sheen visible in B107/B108 sump
8/17/2022	5.5	25.5	25	Not measurable	
8/24/2022	0	0.5	0	Not measurable	Inspector unable to open B099/B100 and B107/B108 sumps as there was standing water on top of the sumps due to ongoing rain event
8/31/2022	52	52	48	Not measurable	Sumps 1,2, & 3 pumped down during inspection; sheen visible in B103/B104 sump
9/7/2022	3	37	37	Not measurable	
9/14/2022	1	34	31	Not measurable	Sheen visible in B099/B100 sump
9/21/2022	2.2	31.5	27.5	Not measurable	Sheen visible in B107/B108 sump
9/28/2022	3	30	31	Not measurable	Sheen visible in B099/B100 and B107/B108 sumps
10/5/2022	8	33	33	Not measurable	Sheen visible in B099/B100 and B107/B108 sumps
10/12/2022	7	32	32	Not measurable	Sheen visible in B099/B100 and B107/B108 sumps
10/19/2022	48	48	48	Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered from B107/108 sump; small amount of DNAPL visible but not recoverable in B099/B100 sump; sheen visible in B099/B100 and B103/B104 sumps on recharge water after pumpdown
10/26/2022	6	46	45	Not measurable	Sheen visible in B107/B108 sump
11/2/2022	4	19	19	Not measurable	
11/9/2022	6	14	13	Not measurable	
11/16/2022	8	14	12	Not measurable	
11/22/2022	0	0	0	Not measurable	
11/30/2022	3	10	9	Not measurable	Very slight sheen visible in Sumps 1, 2, and 3; less than 0.2 gal of DNAPL recovered from B107/108 sump
12/7/2022	4	13.5	13	Not measurable	
12/14/2022	0	0	0	Not measurable	Replaced dipper tool with hoe for NAPL recovery from sumps. Less than 0.4 gal of DNAPL recovered from B099/B100 sump; approximately 0.1 gal of DNAPL recovered from B107/B108 sump
12/21/2022	4	8	7	Not measurable	
12/28/2022	16	14	14	Not measurable	
1/4/2023	3.5	7.5	6	Not measurable	
1/11/2023	12	12	3	Not measurable	
1/18/2023	3	13	13	Not measurable	
1/25/2023	3	6	5	Not measurable	
2/1/2023	<1	1	<1	Not measurable	
2/8/2023	5	13	12	Not measurable	
2/15/2023	<1	2	2.5	Not measurable	Sumps B099/B100, B103/B104, and B107/B108 pumped down during inspection
2/22/2023	32	42	43	Not measurable	Sheen visible in B099/B100, B103/B104, and B107/B108 sumps; water in B099/B100 noted as brown color with high turbidity
3/1/2023	9	41	40	Not measurable	Sheen visible in B099/B100, B103/B104, and B107/B108 sumps, water color in sumps noted as brown
3/8/2023	5	42	41	Not measurable	B099/B100 & B103/B104 light brown color
3/15/2023	4	42	41	Not measurable	B099/B100 and B013/B104 brown color; B107/B108 very light brown color
3/22/2023	8	26.5	25.5	Not measurable	B099/B100 light brown color
3/29/2023	3	24	25	Not measurable	B099/B100 light brown color
4/5/2023	2.5	25	25	Not measurable	B099/B100 light brown color
4/12/2023	4	12	14	Not measurable	All three sumps pumped down during inspection, B099/B100 brown color
4/19/2023	5	42	42	Not measurable	Sheen visible in B107/B108 sump
4/26/2023	4	31.5	31.5	Not measurable	Sheen visible in B107/B108 sump
5/3/2023	3	18	17.5	Not measurable	
5/10/2023	0	1.5	0	Not measurable	Sheen visible in B107/B108 sump
5/17/2023	0	2	0	Not measurable	Sheen visible in B107/B108 sump
5/24/2023	2	14	13	Not measurable	Pumpdown and boom swap.
5/31/2023	28	50	49	Not measurable	B099/B100 water color brown. B103/B104 and B107/B108 water color light brown.
6/7/2023	3	38	37	Not measurable	Sheen visible in all Sumps. B099/B0100 water color brown and, light brown on both B103/B104 and B107/B108.
6/14/2023	4	38	37	Not measurable	Sheen Visible in B099/B100 & B107/B108. water color brown on B099/B100 & light brown in all other sumps.

TABLE 1
NAPL Measurements - NAPL Collection System - Englewood Intermodal Yard
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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
6/21/2023	3	36	37	Not measurable	Sheen Visible in B107/B108. water color brown on B099/B100 & light brown in all other sumps.
6/28/2023	3	31	31	Not measurable	Sheen Visible in B099/B100 & B107/B108. water color dark brown on B099/B100 & B107/B108, light brown in B103/B104.
7/12/2023	3	20	19	Not measurable	Sheen Visible in B099/B100 and B107/B108. Water color brown on B099/B100, light brown in B103/B104.
7/19/2023	3	19	19	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and clear on B103/B104 and B107/B108.
7/26/2023	3	21	20	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100, light brown on B103/B104, and clear on B107/B108.
8/2/2023	0	16.5	15.5	Not measurable	Sheen Visible on B107/B108. Water color dark brown on B099/B100, light brown on B103/B104, and clear on B107/B108. Pumpdown conducted 8/4/2023.
8/9/2023	42	47	47	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100, light brown on B103/B104, and clear on B107/B108.
8/16/2023	38.5	47	47	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and light brown on B103/B104 and B107/B108.
8/23/2023	33	46	46	Not measurable	Sheen visible in all Sumps. B099/B100 water color dark brown and, light brown on both B103/B104 and B107/B108.
8/30/2023	33	46	44	Not measurable	Sheen visible in all Sumps. B099/B100 water color dark brown and, light brown on both B103/B104 and B107/B108.
9/6/2023	1	38	38	Not measurable	Sheen visible in all Sumps. B099/B100 water color light brown, and clear on both B103/B104 and B107/B108.
9/13/2023	0	33	33	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and clear on B103/B104 and B107/B108. Pumpdown conducted 9/15/2023.
9/20/2023	14	41	40	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and light brown on B103/B104 and B107/B108.
9/27/2023	0.5	33	34	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
10/4/2023	0	0	0	Not measurable	No sheen visible in all sumps. Water color brown on B099/B100 and light brown on B103/B104 and B107/B108. Heavy rains all week filled up sumps.
10/11/2023	0	0	0	Not measurable	Sheen visible on B103/B104. B099/B100 water color light brown, clear on B103/B104 and B107/B108. Heavy rains in the week filled up sumps. Pumpdown conducted 10/13/2023.
10/18/2023	46	48	47	Not measurable	Sheen visible on B099/B100 and B107/B108. Water color brown on B099/B100. Water color clear on B103/B104. Water color light brown on B107/B108.
10/25/2023	39	44	43	Not measurable	Sheen visible on B099/B100 and B107/B108. Water color dark brown on B099/B100 and light brown on B103/B104 and B107/B108.
11/1/2023	6.5	33	33	Not measurable	Sheen visible on B099/B100 and B107/B108. Water color light brown on B099/B100 and clear on 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.
3/6/2024	4	15	15	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.

TABLE 1
NAPL Measurements - NAPL Collection System - Englewood Intermodal Yard
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Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
3/13/2024	0	11	11	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
3/20/2024	0	7.5	7.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
3/27/2024	0	7	6	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108. Some DNAPL (1.5 inches) was recovered from the bottom of Sump 1.
4/3/2024	0	10	10	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108. Some DNAPL (3 cubic inches) was recovered from the bottom of Sump 1.
4/10/2024	0	0	0	Not measurable	No sheen observed in any of the sumps. Water color brown on B099/B100 and clear on B103/B104 and B107/B108.
4/17/2024	0	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
4/24/2024	2.5	12	11	Not measurable	Sheen visible on B099/B100. Water color brown on B099/B100 and clear on B103/B104 and B107/B108. Pumpdown conducted 4/26/2024.
5/1/2024	9	20	21	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
5/8/2024	1	23	22	Not measurable	Sheen visible on B099/B100. Water color brown on B099/B100 and light brown on B103/B104 and clear on B107/B108.
5/15/2024	0	20	21	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
5/22/2024	-	-	-	Not Measured	Freeboard not measured on 5/22/2024 due to the ongoing excavations as part of the Interim Measures Work Plan Construction Activities.
5/29/2024	0	19.5	19	Not measurable	No sheen observed in any of the sumps. Water color brown on B099/B100 and clear on B103/B104 and B107/B108.
6/5/2024	Not measurable	Not measurable	13	Not measurable	Sumps B099/B100 and B103/B104 could not be opened due to ongoing excavation. No sheen observed in any of the sumps. Water color was clear to cloudy by B107/B108.
6/12/2024	0	13	13	Not measurable	No sheen observed in any of the sumps. Water color was brown to cloudy by B099/B100, clear to cloudy by B103/B104, and clear by B107/B108.
6/19/2024	0	13	13	Not measurable	Sheen observed at B099/B100 and B107/B108. Water color was dark brown by B099/B100 and clear by B103/B104 and B107/B108.
6/26/2024	2.5	10.5	10	Not measurable	Sheen observed at B099/B100. Water color was brown to cloudy by B099/B100 and clear by B103/B104 and B107/B108.
7/3/2024	23	43	42	Not measurable	Dark brown water color and sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104. Brown water color and sheen observed at B107/B108.
7/10/2024	13	35	34	Not measurable	Light brown water color and sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104 and B107/B108.
7/17/2024	9	39	38	Not measurable	Light brown water color observed at all three sump systems. Sheen observed at B099/B100, 3 cubic in NAPL recovered from sump. No sheen observed at B103/B104 and B107/B108.
7/24/2024	0	36	36	Not measurable	Light brown water color observed at all three sump systems. Sheen observed at B103/B104. No sheen observed at B099/B100 and B107/B108.
7/31/2024	45	45	45	Not measurable	Brown water color and sheen observed at B099/B100. Light brown water color and no sheen observed at B103/104 and B107/108
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 B103/104. Light brown and no sheen observed at B107/108.
8/21/2024	22.5	42.5	41.5	Not measurable	Brown water color and no sheen observed at B099/B100, B103/104 and at B107/108.
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 B103/104. Light brown and no sheen observed at B107/108.
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 B103/104 and at B107/108.
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.

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

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

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
3/25/2026	1.5	11.5	11	Not measurable	Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
4/1/2026	NM	12	11	Not measurable	Water ponded over Sump 1. Water color clear in B103/B104 and B107/B108.
4/8/2026	0	9.5	9	Not measurable	Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
4/15/2026	0	6.5	6	Not measurable	Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color brown in B099/B100, and clear in B103/B104 and B107/B108.
4/22/2026	0	0	0	Not measurable	Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color brown in B099/B100, and clear in B103/B104 and B107/B108.
4/29/2026	0	10	9.3	Not measurable	Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color light brown in B099/B100, B103/B104, and B107/B108.
5/6/2026	0	9.3	8.8	Not measurable	Tar on inflow protector only observed at B099/B100. Water color brown in B099/B100, and light brown in B103/B104 and B107/B108. Pumpdown conducted 05/07/2026. No tar was recovered from Sump 1 during pumpdown.
5/13/2026	0	37.7	36.9	Not measurable	Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color light brown in B099/B100, B103/B104, and B107/B108.
5/20/2026	0	30	29.6	Not measurable	Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
5/27/2026	NM	21.6	21.1	Not measurable	Water ponded over Sump 1. Tar on inflow protector and sheen on water surface only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
6/3/2026	0	18.5	18	Not measurable	Tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
6/10/2026	0	10	9.5	Not measurable	Tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
6/17/2026	2.1	1.4	2.1	Not measurable	Tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
6/24/2026	0	8.1	7.5	Not measurable	Tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108.
7/1/2026	0	10.5	10.3	Not measurable	Tar on inflow protector only observed at B099/B100. Sheen observed in Sump B107/108. Water color light brown in B099/B100 and B107/B108, clear in B103/B104.
7/8/2026	0	2	1.5	Not measurable	Tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100, and clear in B103/B104 and B107/B108. Less than 0.3 cubic inches of tar recovered from Sump 1.
7/15/2026	0	0	0	Not measurable	Tar on inflow protector only observed at B099/B100. Water color brown in B099/B100, clear in B103/B104, and light brown in B107/B108.
7/22/2026	0	12	9.5	Not measurable	Tar on inflow protector only observed at B099/B100. Water color brown in B099/B100, light brown in B103/B104, and clear in B107/B108.
7/29/2026	0	10.5	9.5	Not measurable	Tar on inflow protector only observed at B099/B100. Sheen observed in Sump B99/100 and B107/108. Water color brown in B099/B100, and light brown in B103/B104 and B107/B108.
8/5/2026	0	11.5	10.8	Not measurable	Tar on inflow protector only observed at B099/B100. Sheen observed in Sump B99/100 and B107/108. Water color brown in B099/B100, and light brown in B103/B104 and B107/B108. Less than 0.2 cubic inches of tar recovered from Sump 1.
8/12/2026	0	2	1.4	Not measurable	Tar on inflow protector only observed at B099/B100. Sheen observed in Sump B99/100. Water color brown in B099/B100, light brown in B103/B104, and clear in B107/B108.
8/19/2026	0	11	10	Not measurable	Tar on inflow protector only observed at B099/B100. Sheen observed in Sump B99/100 and B107/108. Water color brown in B099/B100, and light brown in B103/B104 and B107/B108. Less than 1.5 cubic inches of tar recovered from Sump 1.
8/26/2026	1	12	11	Not measurable	Tar on inflow protector only observed at B099/B100. Sheen observed in Sump B99/100 and B107/108. Water color brown in B099/B100, and light brown in B103/B104 and B107/B108. Less than 1.9 cubic inches of tar recovered from Sump 1.

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

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

Location	B108 (Asphalt)	B107 (Asphalt)	B105 (Asphalt)	B103 (Asphalt)	B100 (Asphalt)	B102 Center (Asphalt)	B102 (Joint)	B101 (Asphalt)	B096 (Joint)	A022 (Asphalt)	A021 (Joint)	A010 (Joint)	A011 (Asphalt)	B056 (Asphalt)	B057 (Asphalt)	B042 (Joint)	Track 802 (Ballast)	RD-14 (Joint)	B016 (Asphalt)	B013 (Joint)
Date of Last Observation of Active Seep	**7/8/2020**	**8/26/2026**	**9/13/2023; Removed by FE-1&3**	**8/11/2021**	**4/17/2024; Removed by FE-1&3**	**8/26/2026**	**5/1/2024; Removed by FE-2**	**6/21/2023; Removed by FE-1&3**	**4/17/2024; Removed by FE-7**	**6/5/2024; Removed by FE-5**	**7/8/2020; Removed by FE-5**	**7/8/2020; Removed by FE-6**	**6/5/2024; Removed by FE-6**	**5/29/2024; Removed by FE-4**	**5/22/2024; Removed by FE-4**	**4/17/2024; Removed by FE-8**	**8/19/2026**	**6/12/2024; Removed by FE-13**	**8/28/2019; Removed by FE-9**	**8/17/2022**
08/05/2026	NP	1	NP	NP	NP	1	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	1	NP	NP	NP
08/12/2026	NP	1	NP	NP	NP	1	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	1	NP	NP	NP
08/19/2026	NP	1	NP	NP	NP	1	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	1	NP	NP	NP
08/26/2026	NP	1	NP	NP	NP	1	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP

Notes

NP - Seep was not present at time of weekly inspection

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

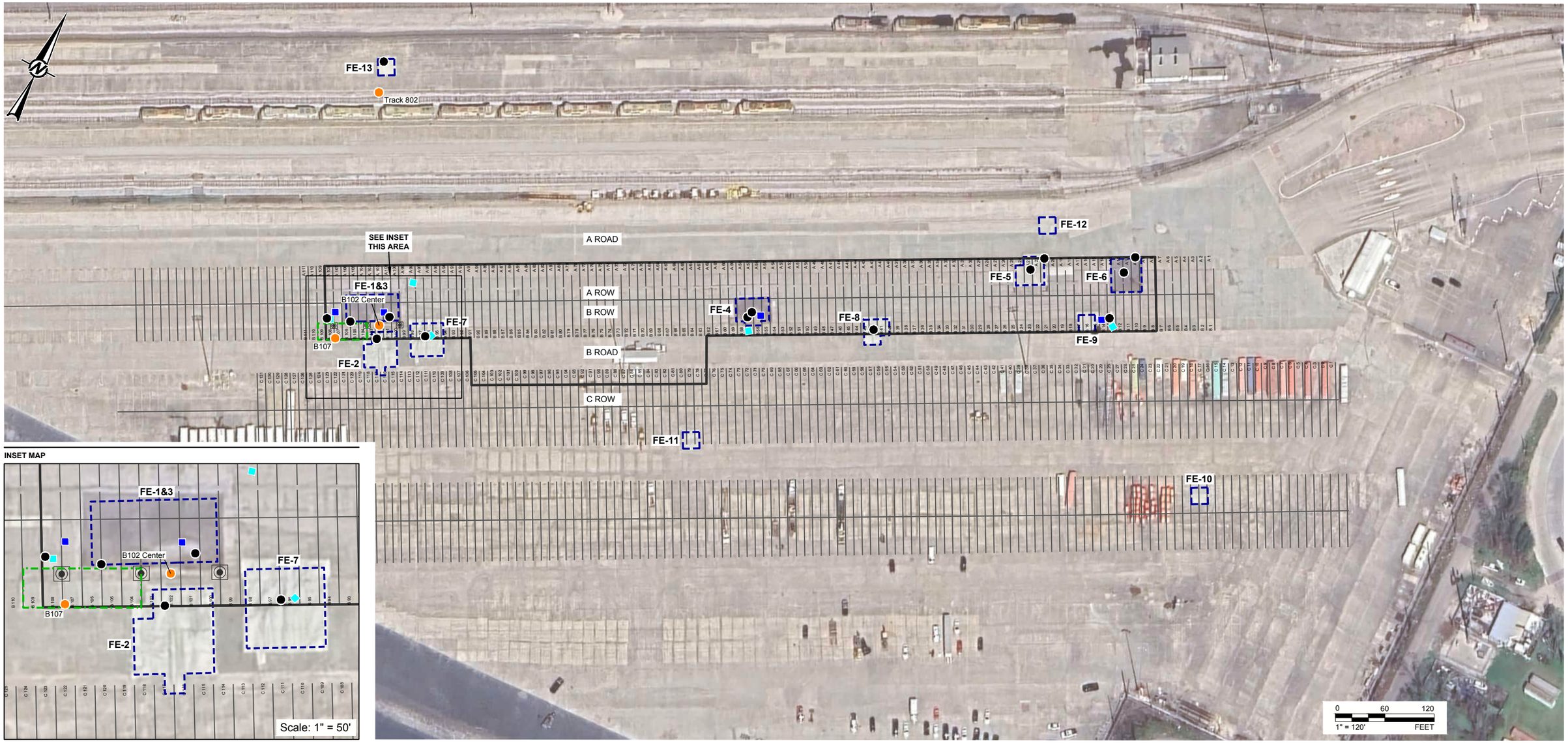
A weekly inspection in which no seeps were observed is noted with an asterisk after the date.

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

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

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

Figure



INSET MAP

LEGEND

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

REFERENCE(S)

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

NOTE(S)

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

CLIENT
UNION PACIFIC RAILROAD CO

PROJECT
HOUSTON WOOD PRESERVING WORKS
ENGLEWOOD INTERMODAL YARD

TITLE
ENGLEWOOD INTERMODAL YARD CAPPED AREA SEEPS

CONSULTANT
wsp
TEXAS GEOSCIENCE FIRM NO. 50369
TEXAS ENGINEERING FIRM NO. 2578

YYYY-MM-DD	2026-06-17
DESIGNED	AJD
PREPARED	AJD
REVIEWED	CT
APPROVED	ECM

PROJECT NO. US0039040.3990
REV. 0
FIGURE 1

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

Path: \\corp.pbwan.net\US\Central\Data\USDAL-400\Texarkana\Projects - Round Rock_2019\19119232 - HWPW\2025-10\ | File Name: 2 - Englewood Intermodal Capped Area Seeps .dwg | Last Edited By: usatx701305 Date: 2025-10-13 Time:2:24:33 PM | Printed By: USAD701305 Date: 2026-03-02 Time:1:53:26 PM

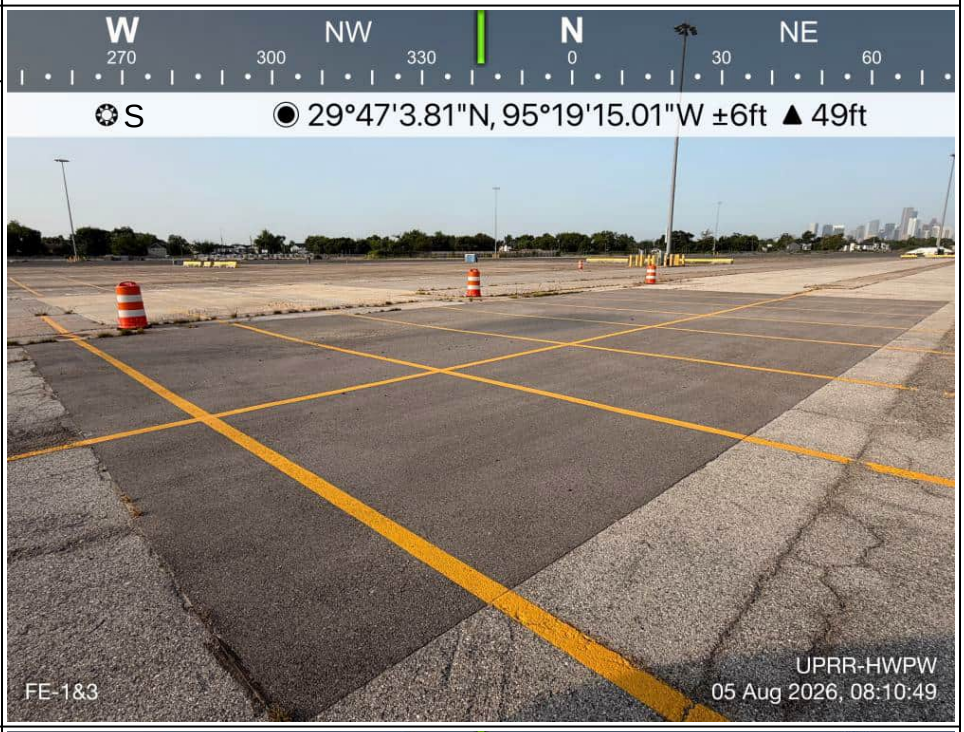
ATTACHMENT A

Weekly Inspection Photolog

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
1	08/05/2026



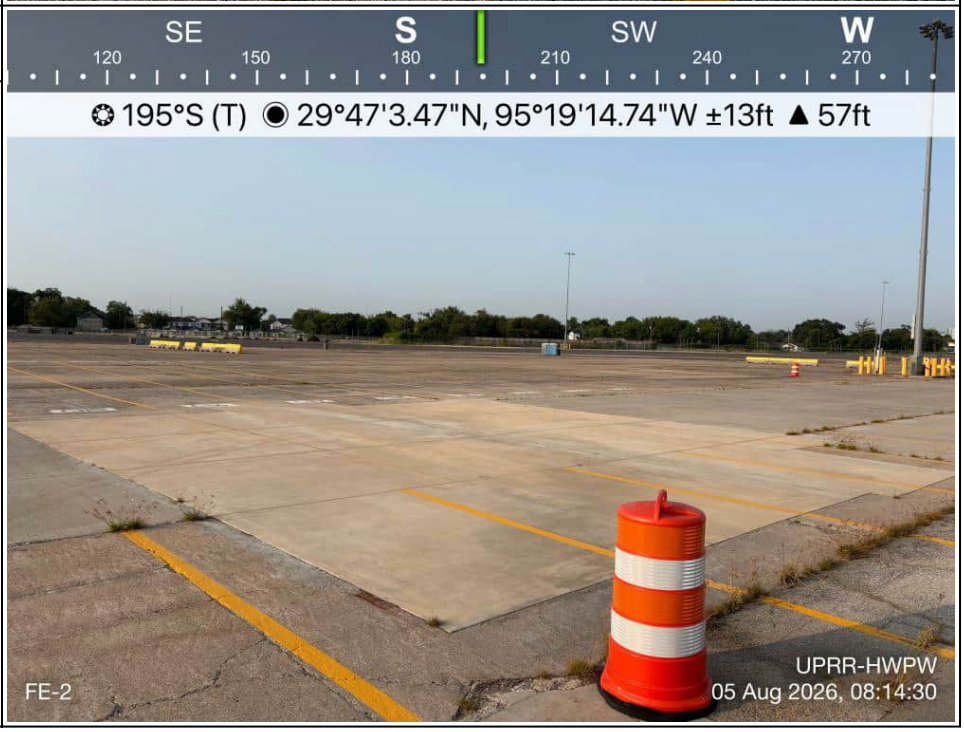
Description:

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

Lat: 29.78439

Long: -95.32084

Photo No.	Inspection Date:
2	08/05/2026



Description:

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

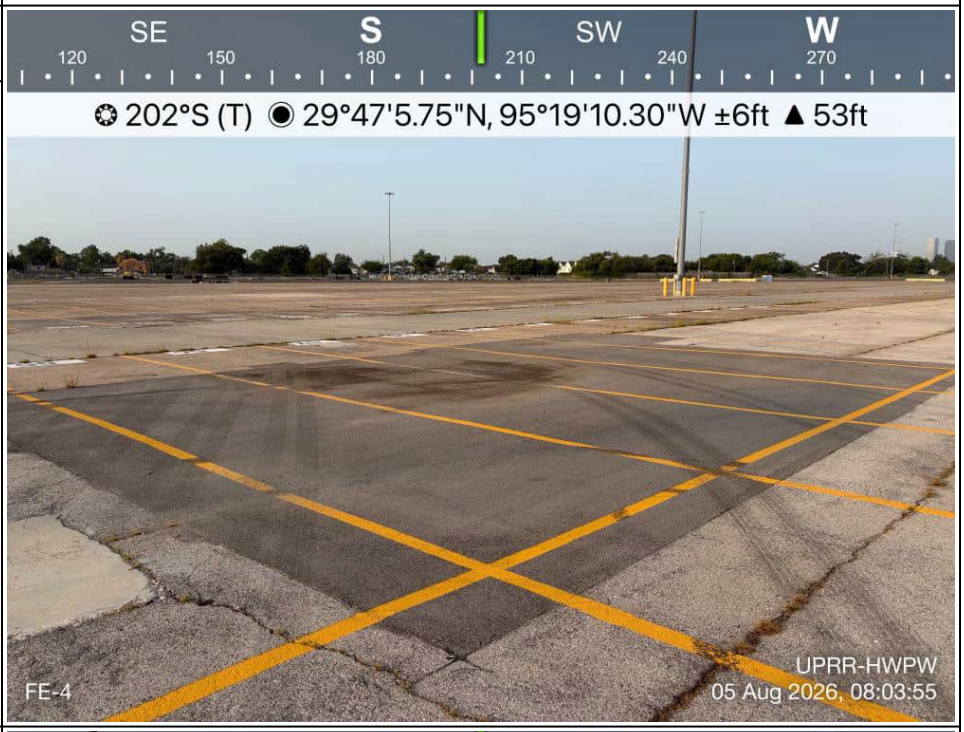
Lat: 29.7843

Long: -95.32076

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
3	08/05/2026



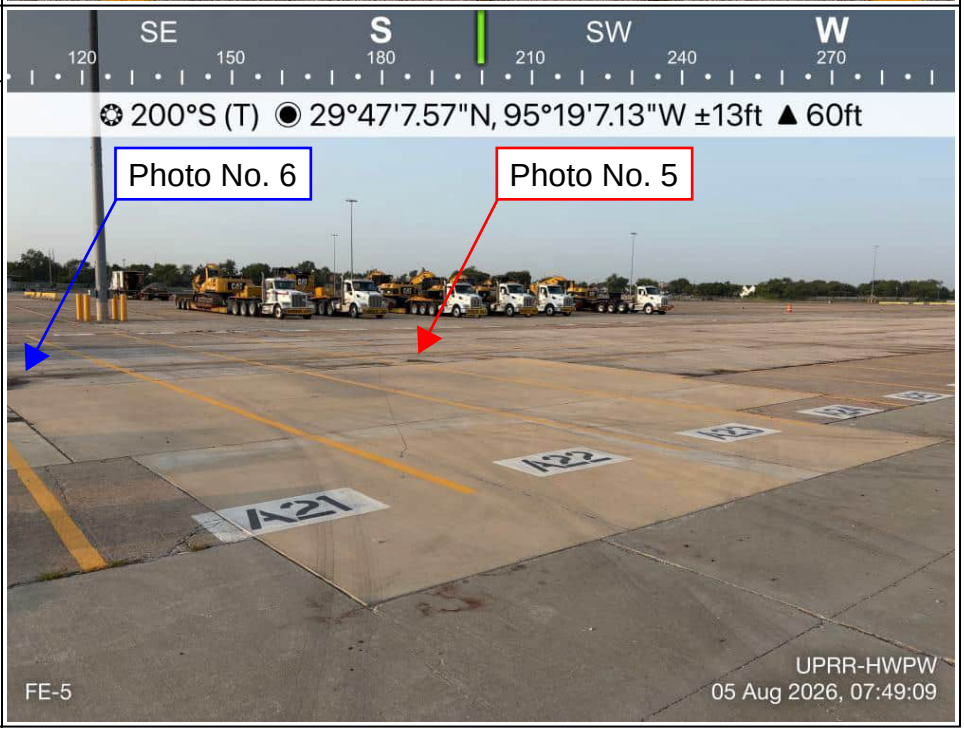
Description:

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

Lat: 29.78493

Long: -95.31953

Photo No.	Inspection Date:
4	08/05/2026



Description:

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

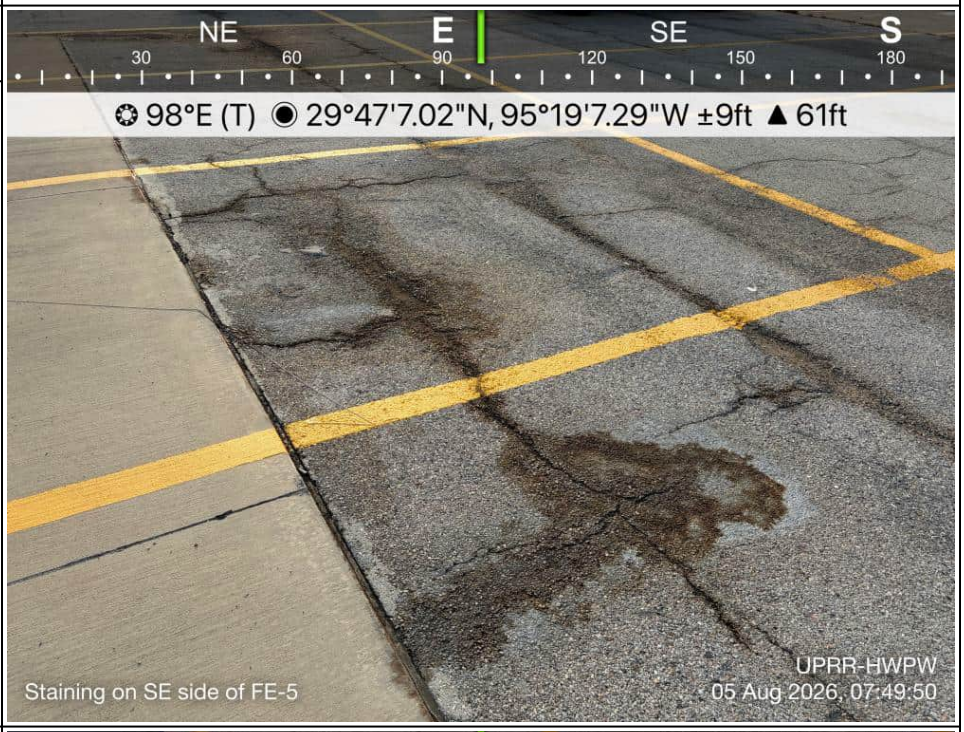
Lat: 29.78544

Long: -95.31865

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
5	08/05/2026



Description:

FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the southern joint of the reconstructed cap, located with the red arrow in Photo No. 4. Facing east.

Lat: 29.78528

Long: -95.31869

Photo No.	Inspection Date:
6	08/05/2026



Description:

FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the southern joint of the reconstructed cap, located with the blue arrow in Photo No. 4. Facing southeast.

Lat: 29.78532

Long: -95.3186

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
7	08/05/2026



Description:

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

Lat: 29.78547

Long: -95.3185

Photo No.	Inspection Date:
8	08/05/2026



Description:

FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the western joint perpendicular to the reconstructed cap. Brown water staining was observed along the southern joint of the reconstructed cap. Facing south.

Lat: 29.78557

Long: -95.31832

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
9	08/05/2026



Description:

FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the western joint perpendicular to the reconstructed cap, located with the red arrow in Photo No. 8. Facing east.

Lat: 29.78543

Long: -95.31848

Photo No.	Inspection Date:
10	08/05/2026



Description:

FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the northern joint of the reconstructed cap. Facing northwest.

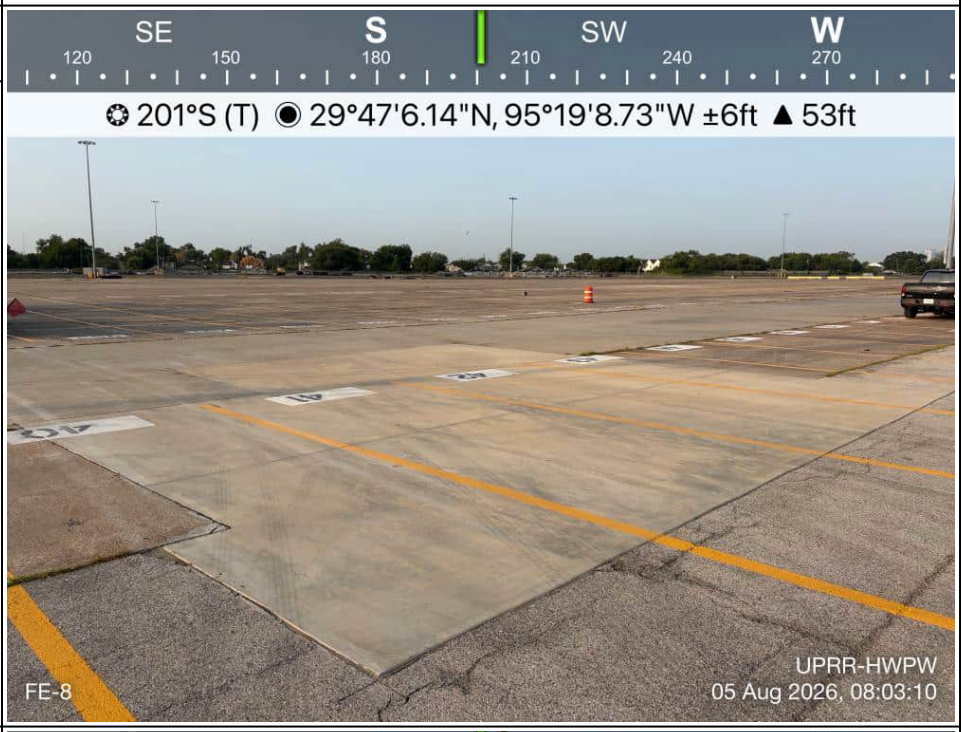
Lat: 29.78436

Long: -95.32063

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
11	08/05/2026



Description:

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

Lat: 29.78504

Long: -95.31909

Photo No.	Inspection Date:
12	08/05/2026



Description:

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

Lat: 29.78534

Long: -95.31838

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
13	08/05/2026



Description:

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

Lat: 29.78495

Long: -95.31774

Photo No.	Inspection Date:
14	08/05/2026



Description:

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

Lat: 29.78441

Long: -95.31956

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
15	08/05/2026



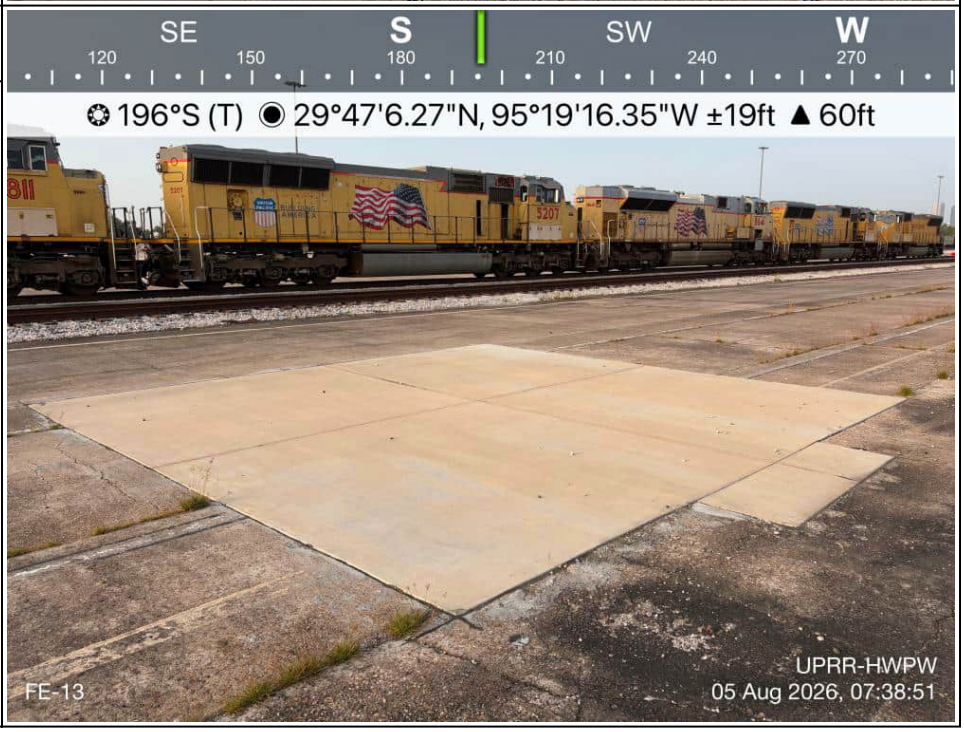
Description:

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

Lat: 29.78557

Long: -95.31868

Photo No.	Inspection Date:
16	08/05/2026



Description:

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

Lat: 29.78508

Long: -95.32121

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
17	08/12/2026



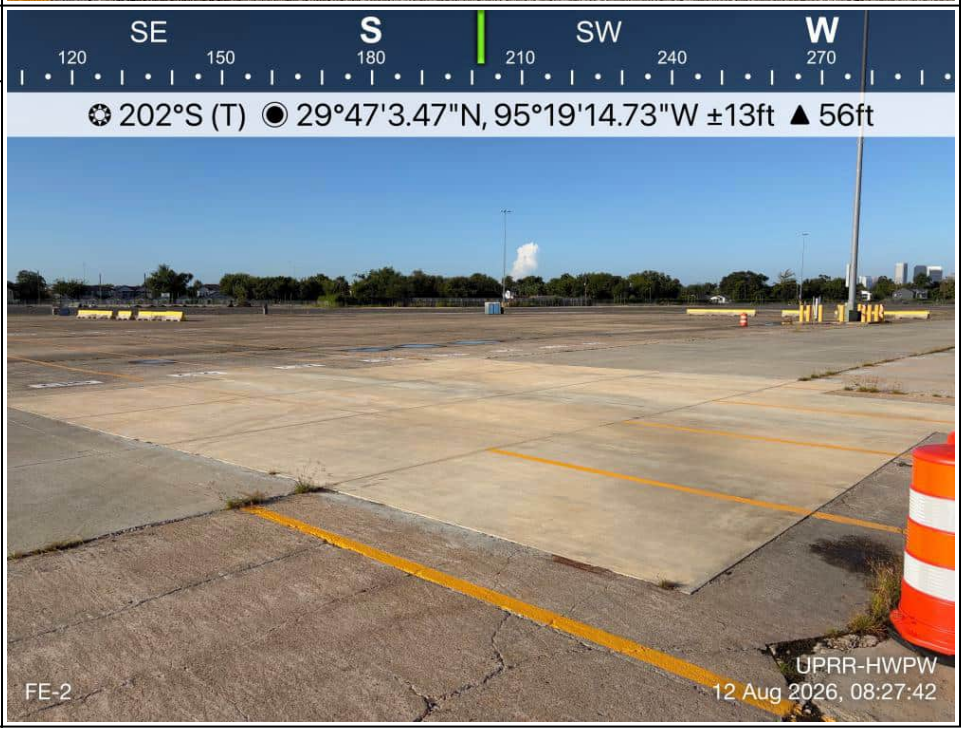
Description:

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

Lat: 29.78441

Long: -95.3208

Photo No.	Inspection Date:
18	08/12/2026



Description:

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

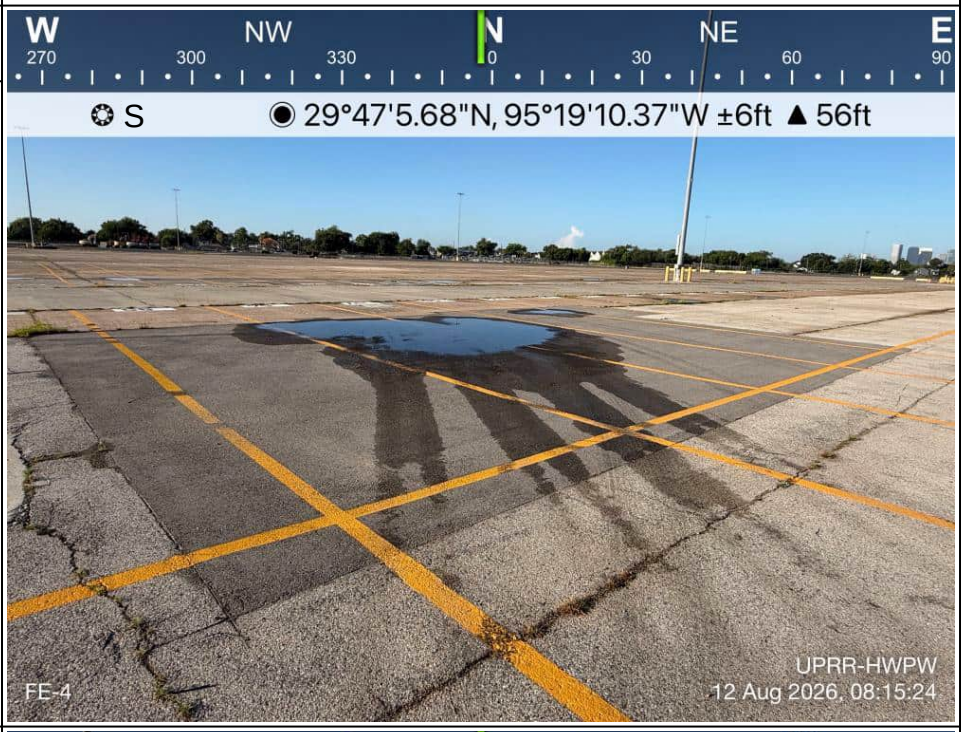
Lat: 29.7843

Long: -95.32076

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
19	08/12/2026



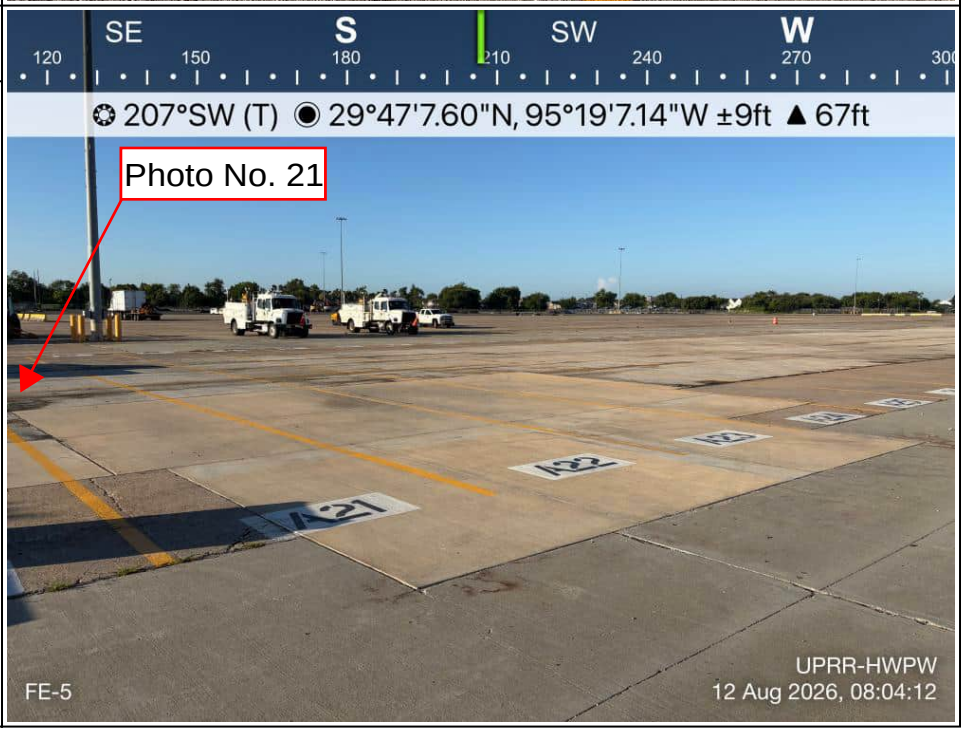
Description:

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

Lat: 29.78491

Long: -95.31955

Photo No.	Inspection Date:
20	08/12/2026



Description:

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

Lat: 29.78544

Long: -95.31865

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
21	08/12/2026



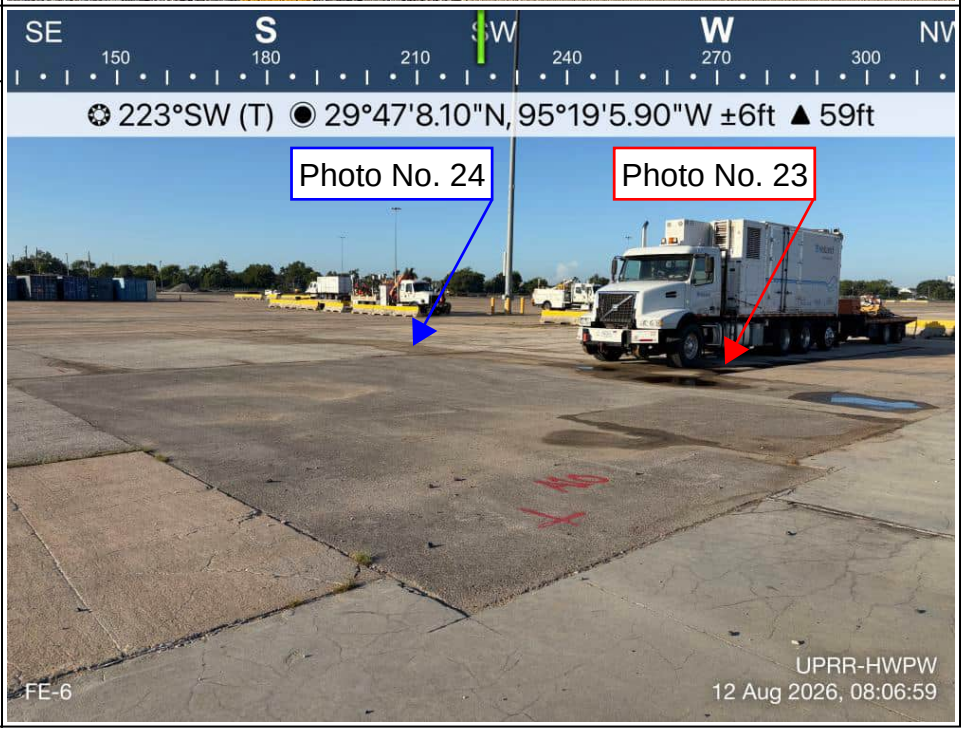
Description:

FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the southern joint of the reconstructed cap, located with the red arrow in Photo No. 20. Facing southeast.

Lat: 29.78534

Long: -95.31859

Photo No.	Inspection Date:
22	08/12/2026



Description:

FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining and a small amount of standing water were observed along the western joint perpendicular to the reconstructed cap. Brown water staining was observed along the southern joint of the reconstructed cap. Facing southwest.

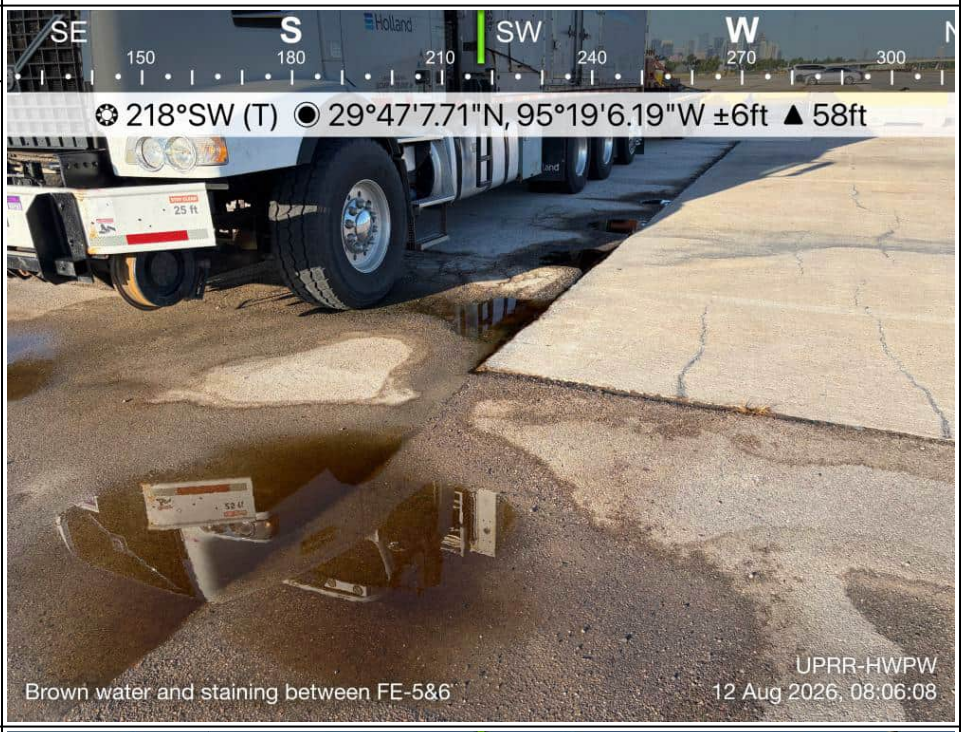
Lat: 29.78558

Long: -95.31831

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
23	08/12/2026



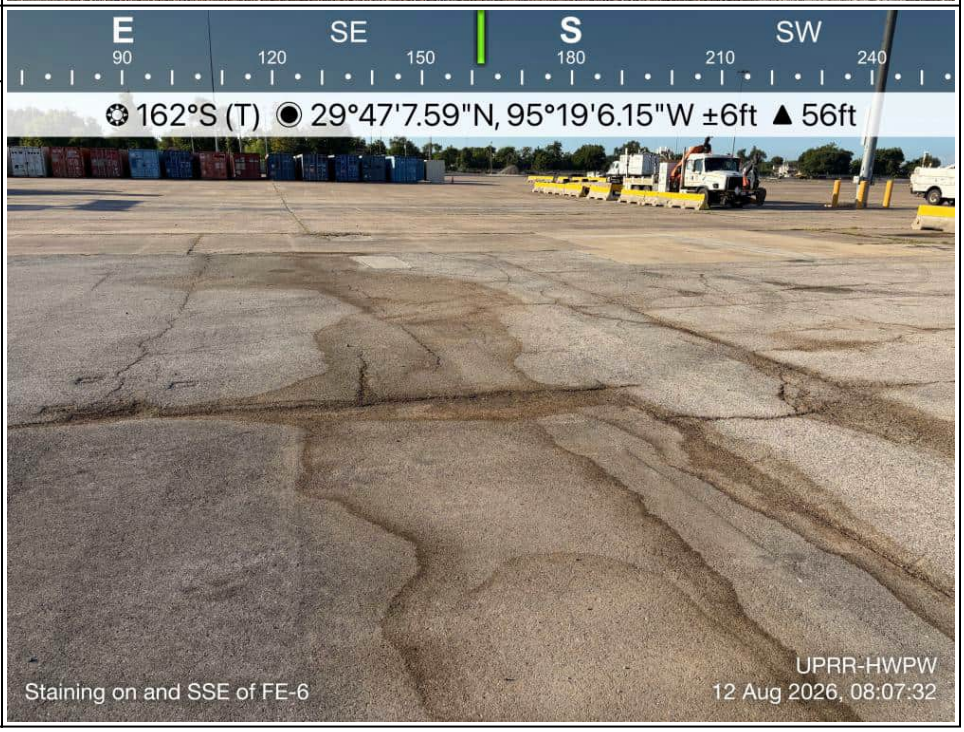
Description:

FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining and a small amount of standing water were observed along the western joint perpendicular to the reconstructed cap, located with the red arrow in Photo No. 22. Facing southwest.

Lat: 29.78548

Long: -95.31839

Photo No.	Inspection Date:
24	08/12/2026



Description:

FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the southern joint of the reconstructed cap, located with the blue arrow in Photo No. 22. Facing southwest.

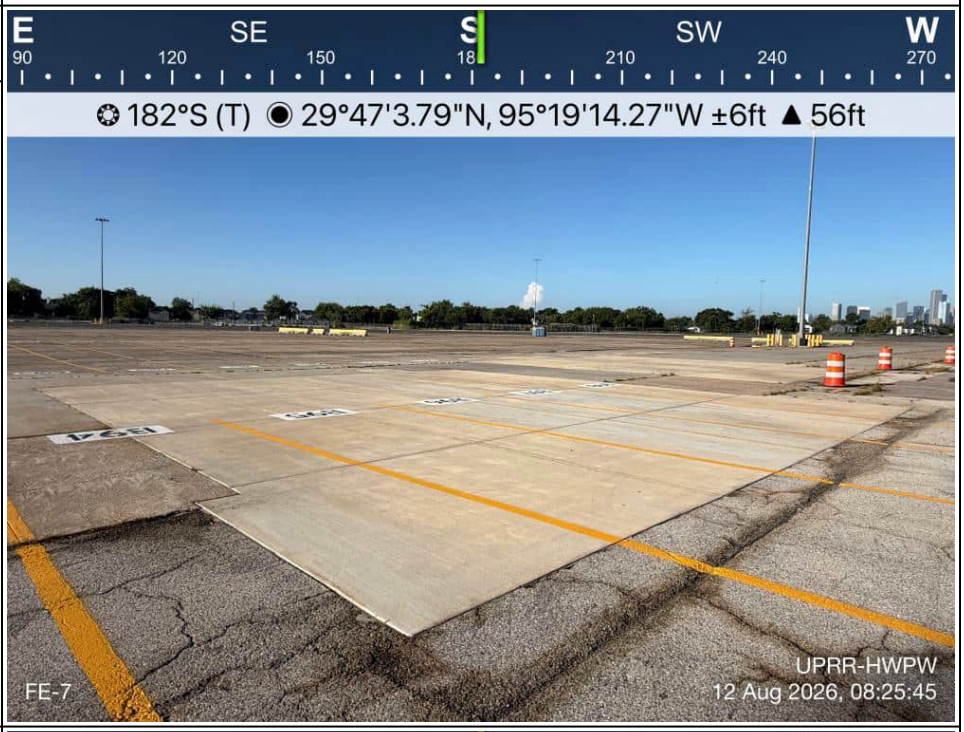
Lat: 29.78544

Long: -95.31838

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
25	08/12/2026



Description:

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

Lat: 29.78439

Long: -95.32063

Photo No.	Inspection Date:
26	08/12/2026



Description:

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

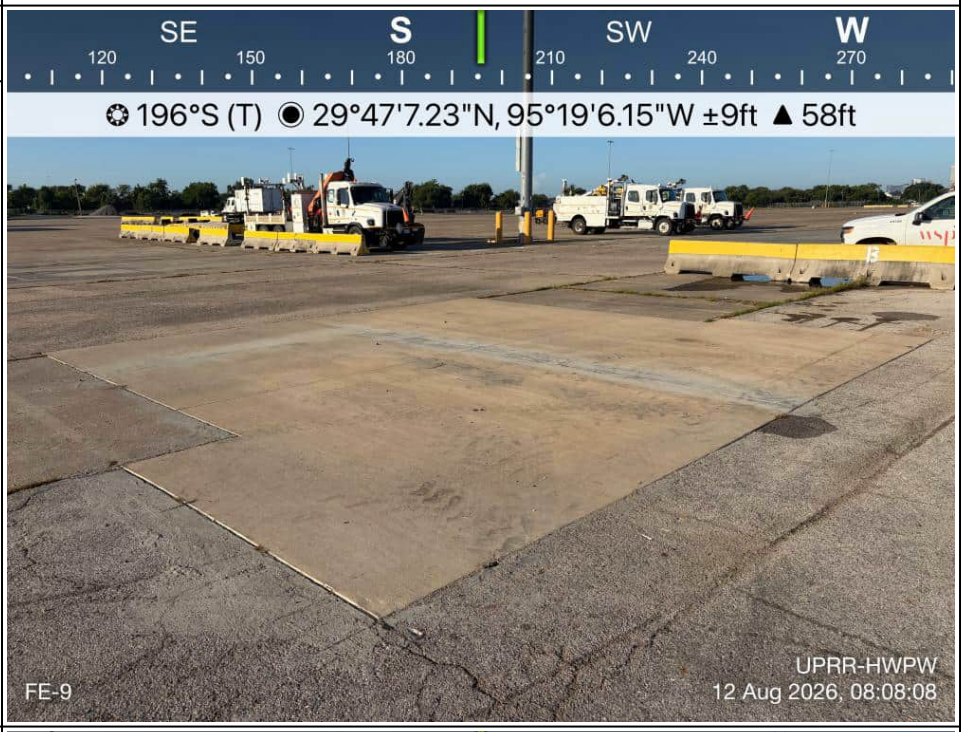
Lat: 29.78502

Long: -95.3191

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
27	08/12/2026



Description:

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

Lat: 29.78534

Long: -95.31838

Photo No.	Inspection Date:
28	08/12/2026



Description:

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

Lat: 29.78494

Long: -95.31777

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
29	08/12/2026



Description:

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

Lat: 29.78441

Long: -95.31958

Photo No.	Inspection Date:
30	08/12/2026



Description:

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

Lat: 29.78559

Long: -95.31869

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
31	08/12/2026



Description:

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

Lat: 29.78509

Long: -95.32121

Photo No.	Inspection Date:
32	08/19/2026



Description:

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

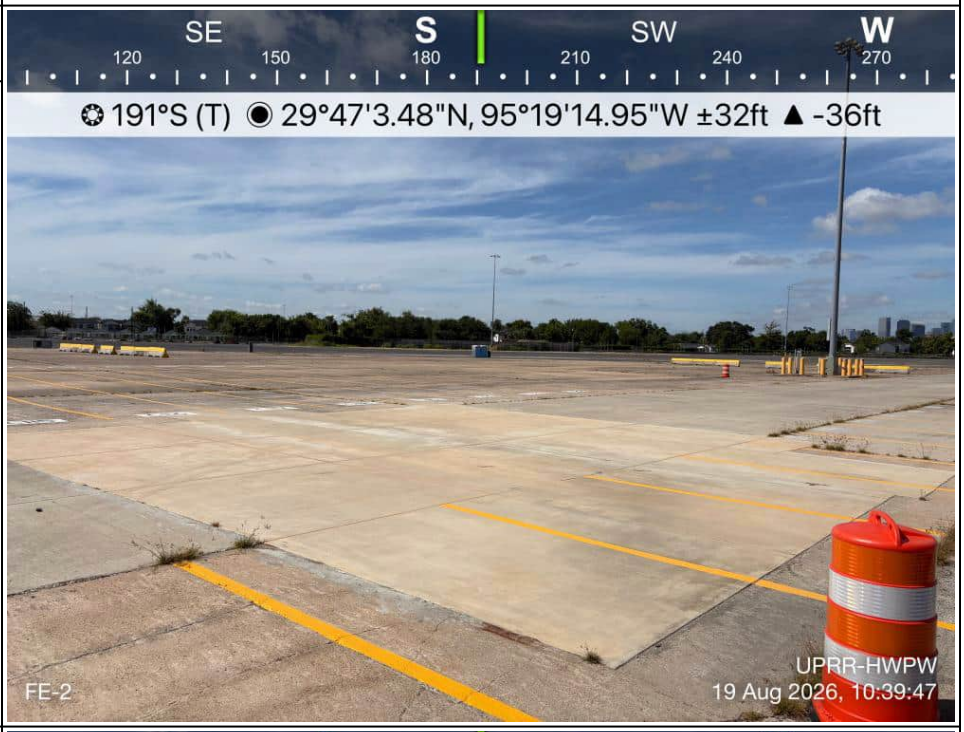
Lat: 29.78443

Long: -95.32077

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
33	08/19/2026



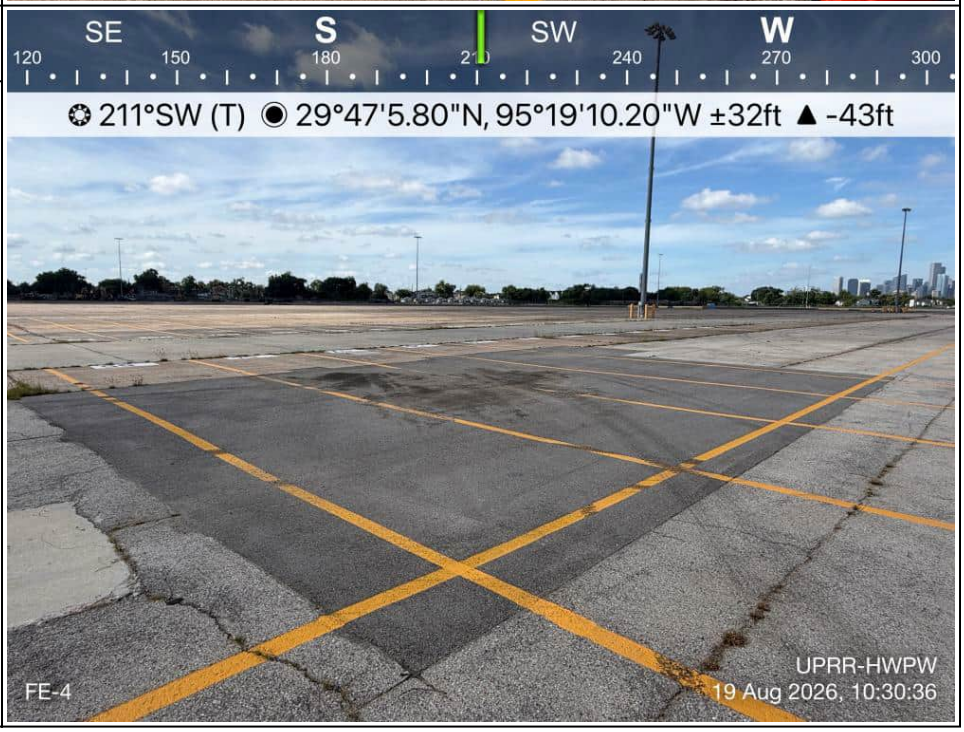
Description:

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

Lat: 29.7843

Long: -95.32082

Photo No.	Inspection Date:
34	08/19/2026



Description:

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

Lat: 29.78494

Long: -95.3195

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
35	08/19/2026



Description:

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

Lat: 29.78545

Long: -95.31865

Photo No.	Inspection Date:
36	08/19/2026



Description:

FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the western joint perpendicular to the reconstructed cap and along the southern joint of the reconstructed cap. Facing south.

Lat: 29.78558

Long: -95.31831

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
37	08/19/2026



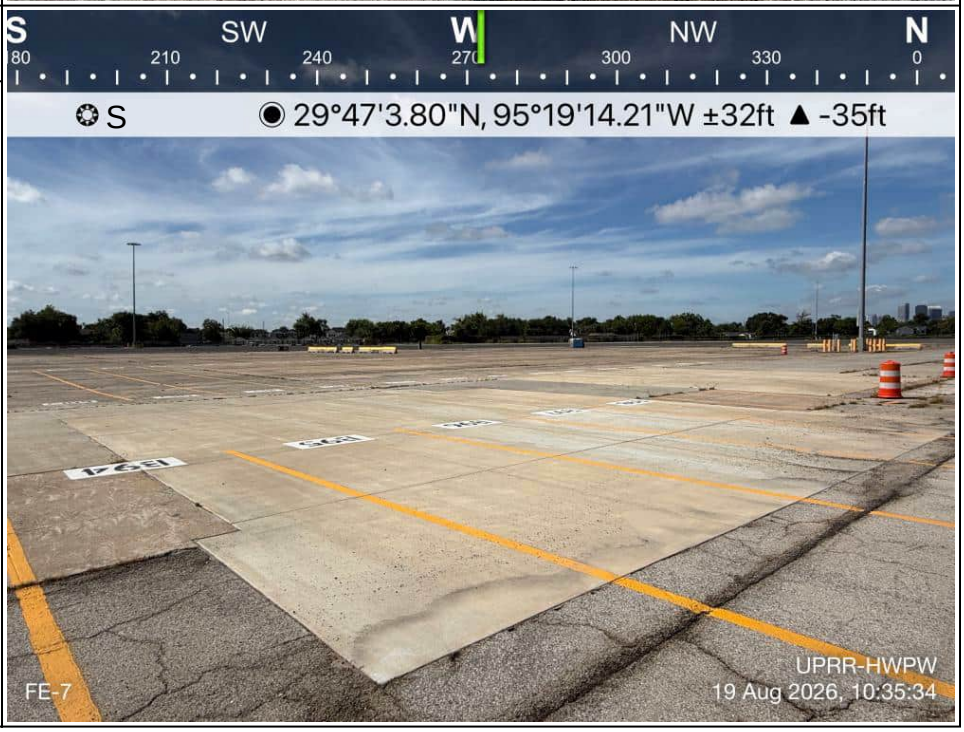
Description:

FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining and a small amount of standing water were observed along the western joint perpendicular to the reconstructed cap, located with the red arrow in Photo No. 36. Facing east.

Lat: 29.78543

Long: -95.31846

Photo No.	Inspection Date:
38	08/19/2026



Description:

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

Lat: 29.78439

Long: -95.32061

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
39	08/19/2026



Description:

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

Lat: 29.78506

Long: -95.31904

Photo No.	Inspection Date:
40	08/19/2026



Description:

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

Lat: 29.78534

Long: -95.31838

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
41	08/19/2026



Description:

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

Lat: 29.78495

Long: -95.31778

Photo No.	Inspection Date:
42	08/19/2026



Description:

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

Lat: 29.78444

Long: -95.31954

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
43	08/19/2026



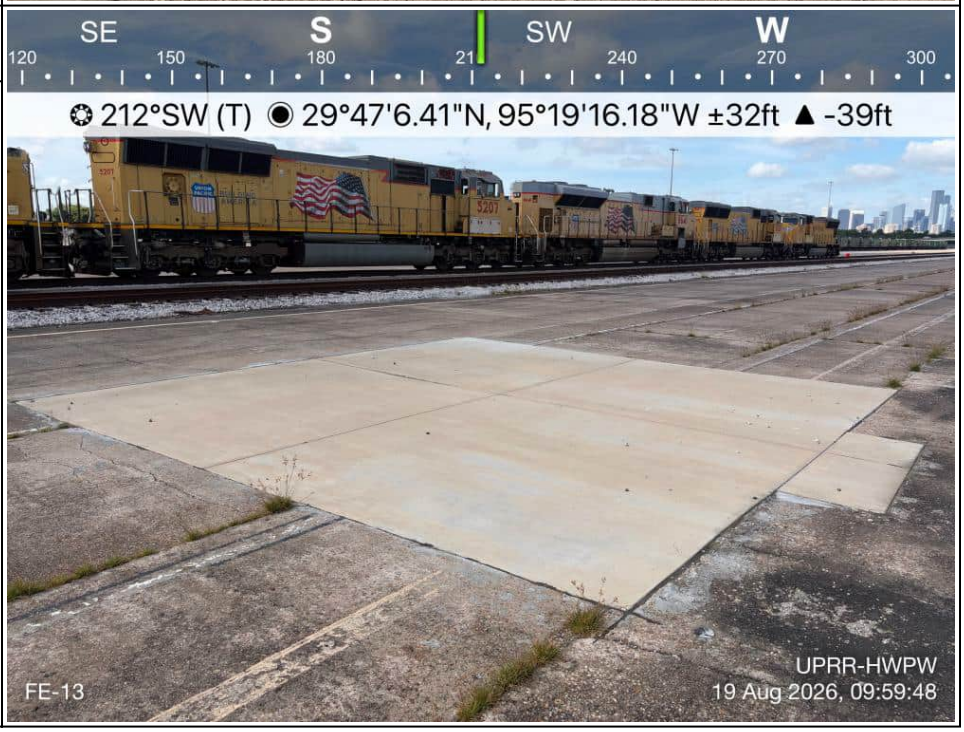
Description:

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

Lat: 29.78558

Long: -95.31868

Photo No.	Inspection Date:
44	08/19/2026



Description:

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

Lat: 29.78511

Long: -95.32116

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
45	08/26/2026



Description:

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

Lat: 29.78417

Long: -95.32083

Photo No.	Inspection Date:
46	08/26/2026



Description:

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

Lat: 29.78417

Long: -95.32083

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
47	08/26/2026



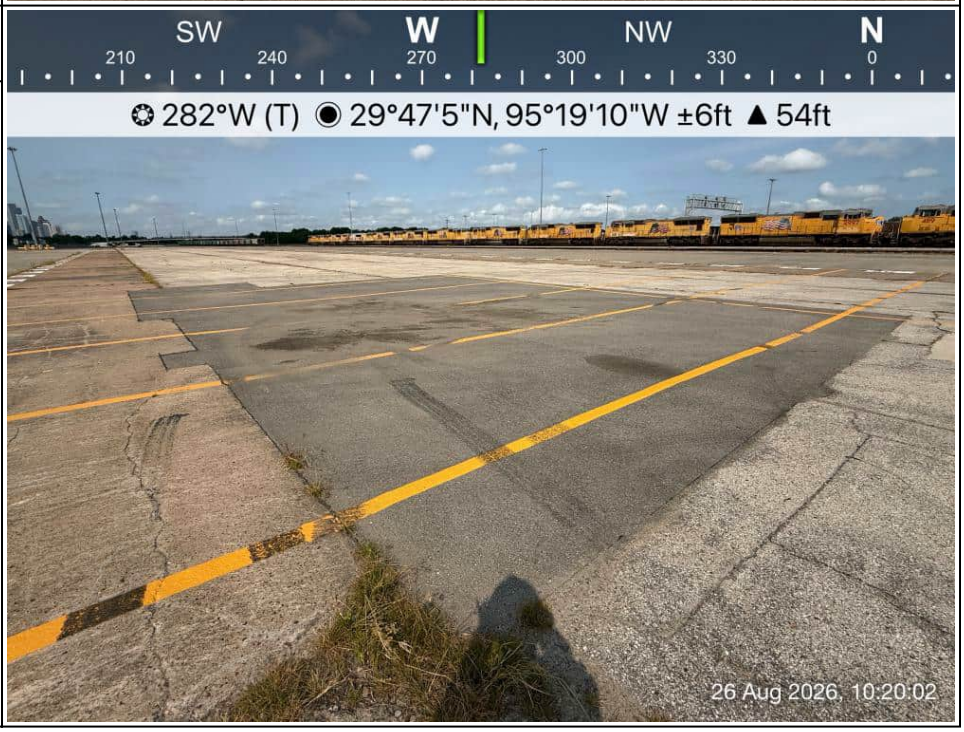
Description:

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

Lat: 29.78417

Long: -95.32083

Photo No.	Inspection Date:
48	08/26/2026



Description:

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

Lat: 29.78472

Long: -95.31944

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
49	08/26/2026



Description:

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

Lat: 29.78528

Long: -95.31833

Photo No.	Inspection Date:
50	08/26/2026



Description:

FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the western joint perpendicular to the reconstructed cap and along the southern joint of the reconstructed cap. Facing south.

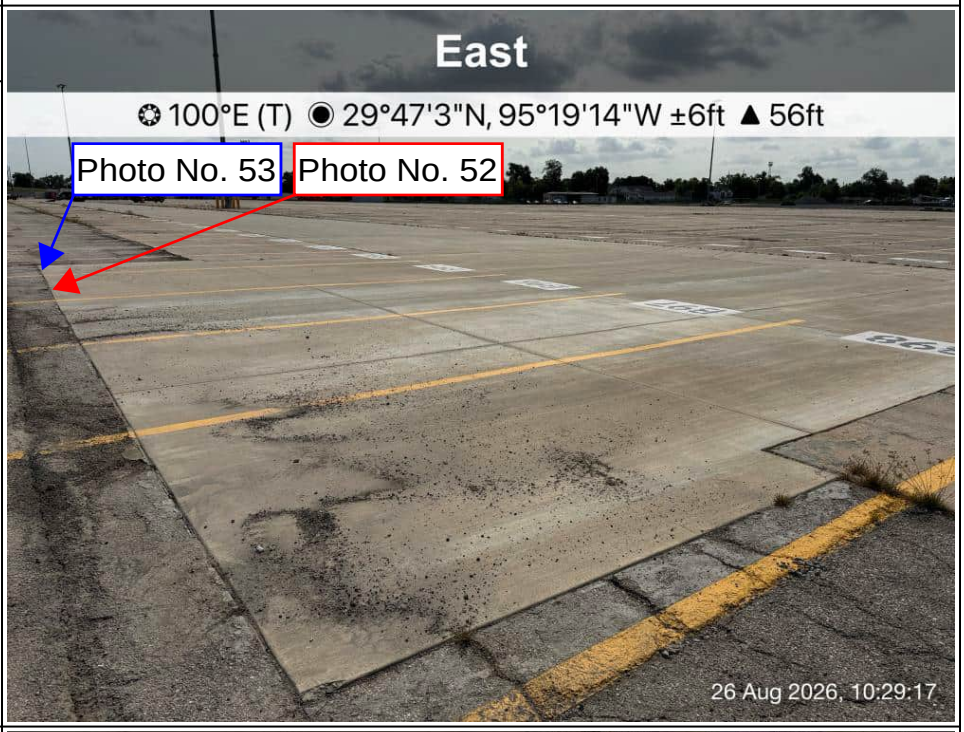
Lat: 29.78556

Long: -95.31806

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
51	08/26/2026



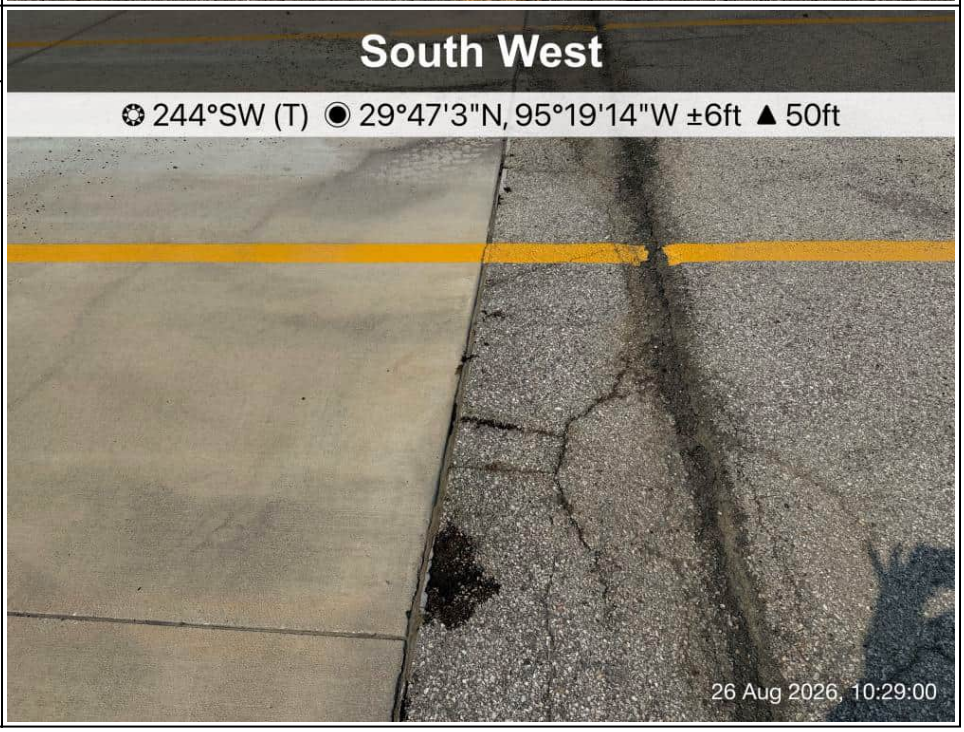
Description:

FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the northern joint of the reconstructed cap. Facing east.

Lat: 29.78417

Long: -95.32056

Photo No.	Inspection Date:
52	08/26/2026



Description:

FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the northern joint of the reconstructed cap, located with the red arrow in Photo No. 51. Facing southwest.

Lat: 29.78417

Long: -95.32056

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
53	08/26/2026



Description:

FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Brown water staining was observed along the northern joint of the reconstructed cap, located with the blue arrow in Photo No. 51. Facing southeast.

Lat: 29.78417

Long: -95.32056

Photo No.	Inspection Date:
54	08/26/2026



Description:

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

Lat: 29.78472

Long: -95.31889

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
55	08/26/2026



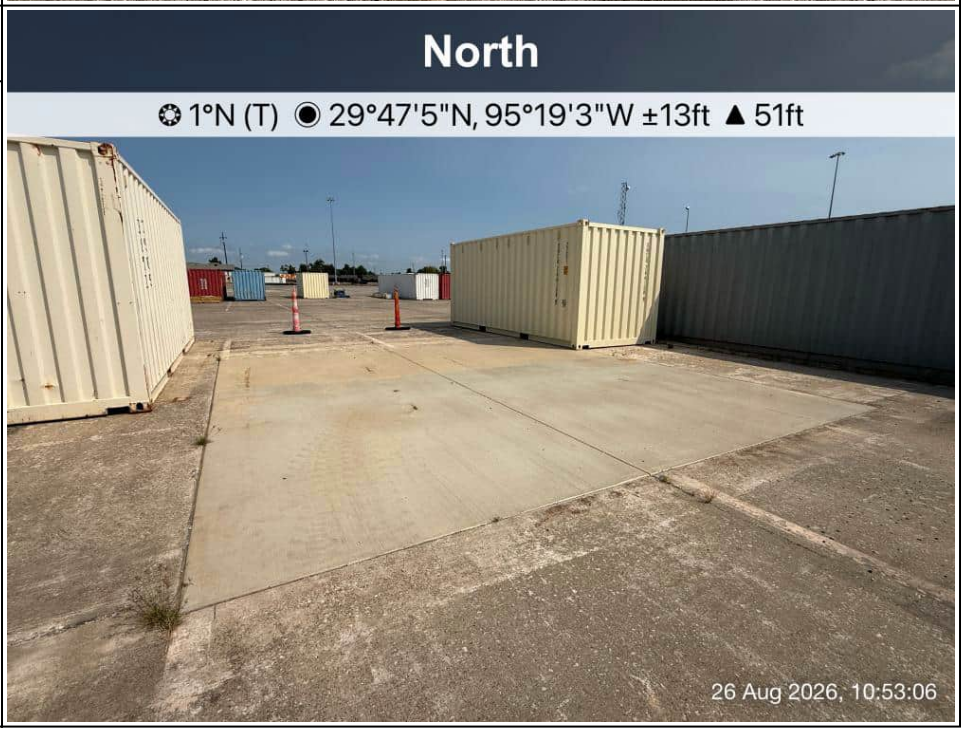
Description:

FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Minor oil leak from vehicles visible at FE location. Facing east.

Lat: 29.78528

Long: -95.31833

Photo No.	Inspection Date:
56	08/26/2026



Description:

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

Lat: 29.78472

Long: -95.3175

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
57	08/26/2026



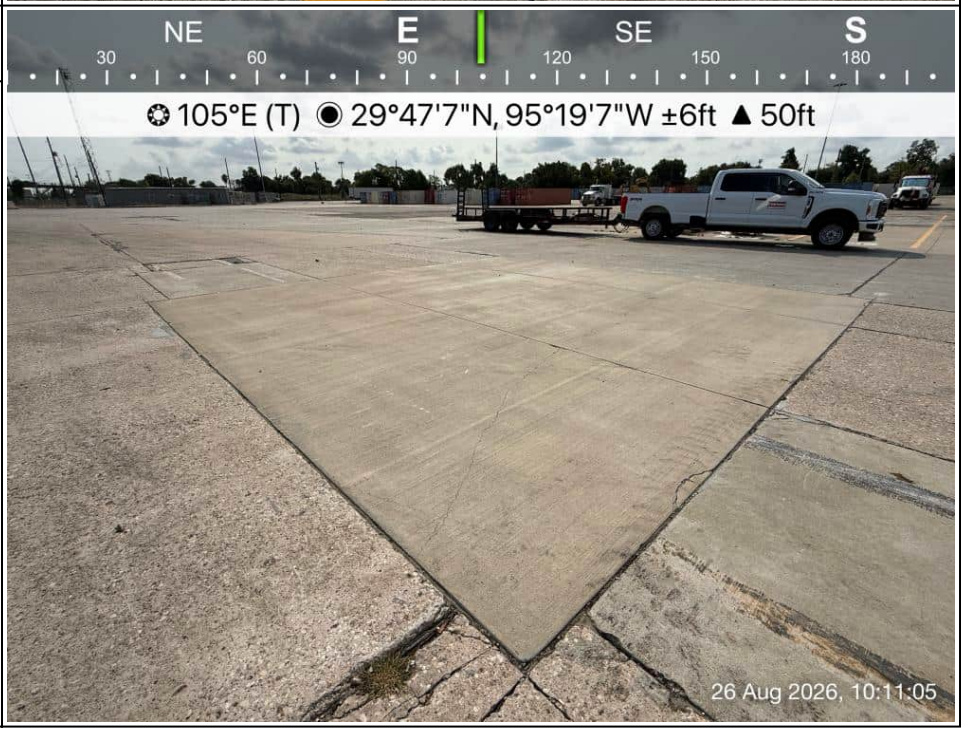
Description:

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

Lat: 29.78417

Long: -95.31944

Photo No.	Inspection Date:
58	08/26/2026



Description:

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

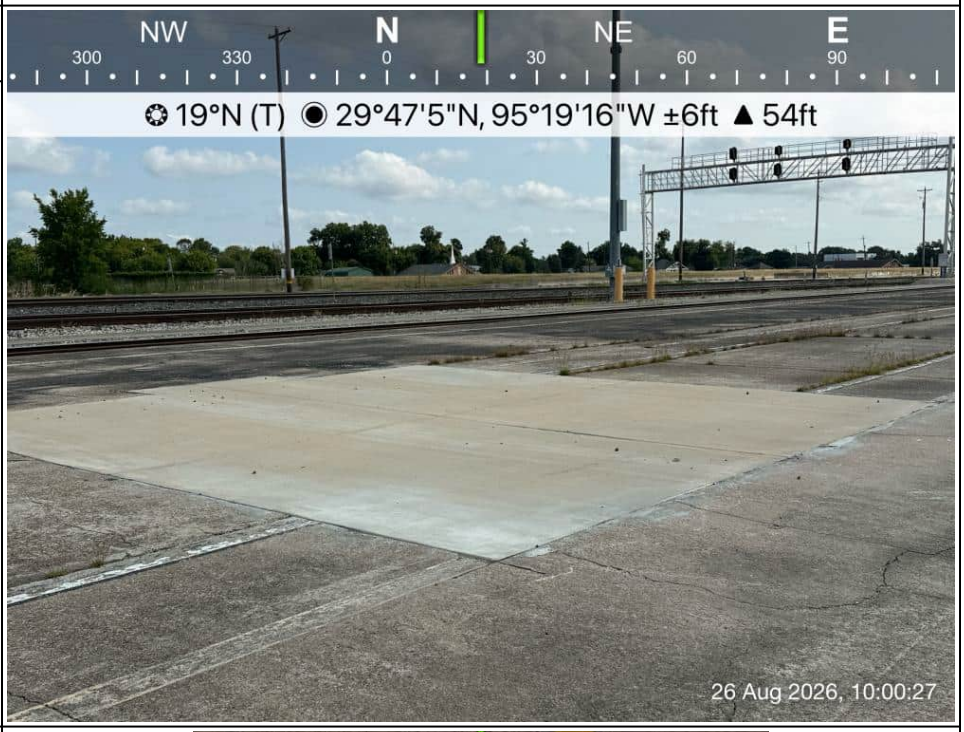
Lat: 29.78528

Long: -95.31861

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
59	08/26/2026



Description:

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

Lat: 29.78472

Long: -95.32111

Photo No.	Inspection Date:
60	08/05/2026



Description:

Sump 1 (B99/B100), 0.0 inches of freeboard in sump. Color is brown, and a sheen was observed. No odor was reported. The small amount of NAPL accumulated on the underside of the inflow protector for Sump 1 was similar in appearance to the amount observed in July.

Lat: 29.7819

Long: -95.31968

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
61	08/05/2026



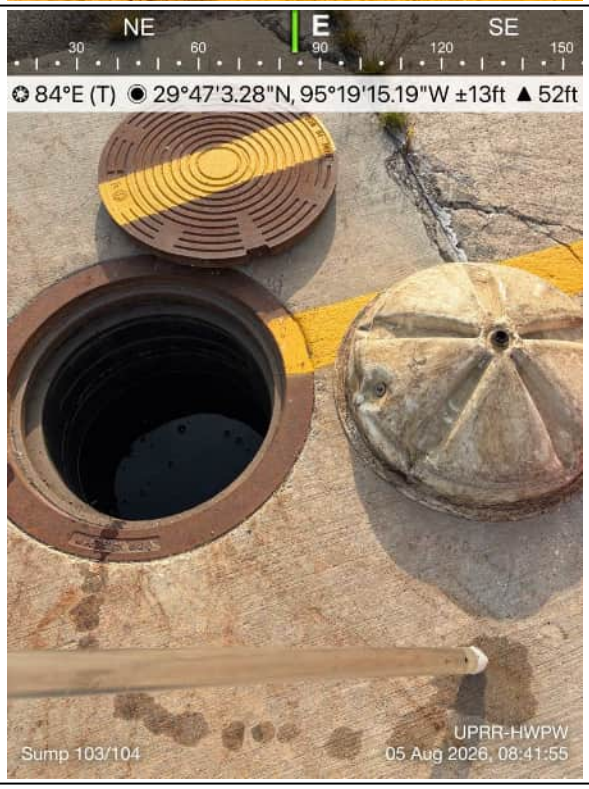
Description:

Approximately 0.2 cubic inches of NAPL observed from the inflow protector at Sump 1.

Lat: 29.78428

Long: -95.32078

Photo No.	Inspection Date:
62	08/05/2026



Description:

Sump 2 (B103/B104), 11.5 inches of freeboard in sump. Color is light brown, and no sheen or odor was reported.

Lat: 29.78424

Long: -95.32089

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
63	08/05/2026



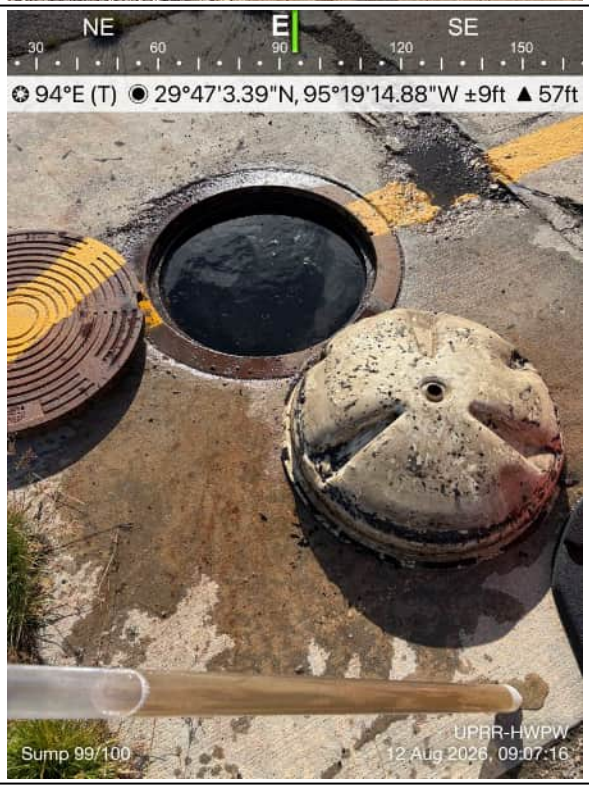
Description:

Sump 3 (B107/B108), 10.8 inches of freeboard in sump. Color is light brown, and a sheen was observed. No odor was reported.

Lat: 29.78422

Long: -95.32102

Photo No.	Inspection Date:
64	08/12/2026



Description:

Sump 1 (B99/B100), 0.0 inches of freeboard in sump. Color is brown, and a sheen was observed. No odor was reported. The small amount of NAPL accumulated on the underside of the inflow protector for Sump 1 was similar in appearance to the amount observed in July.

Lat: 29.78428

Long: -95.3208

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
65	08/12/2026



Description:

Sump 2 (B103/B104), 2.0 inches of freeboard in sump. Color is light brown, and no sheen or odor was reported.

Lat: 29.78422

Long: -95.32093

Photo No.	Inspection Date:
66	08/12/2026



Description:

Sump 3 (B107/B108), 1.4 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78416

Long: -95.32104

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
67	08/19/2026



Description:

Sump 1 (B99/B100), 0.0 inches of freeboard in sump. Color is brown, and a sheen was observed. No odor was reported. The small amount of NAPL accumulated on the underside of the inflow protector for Sump 1 was similar in appearance to the amount observed in July.

Lat: 29.78428

Long: -95.32077

Photo No.	Inspection Date:
68	08/19/2026



Description:

Approximately 1.5 cubic inches of NAPL observed from the inflow protector at Sump 1.

Lat: 29.78429

Long: -95.32078

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
69	08/19/2026



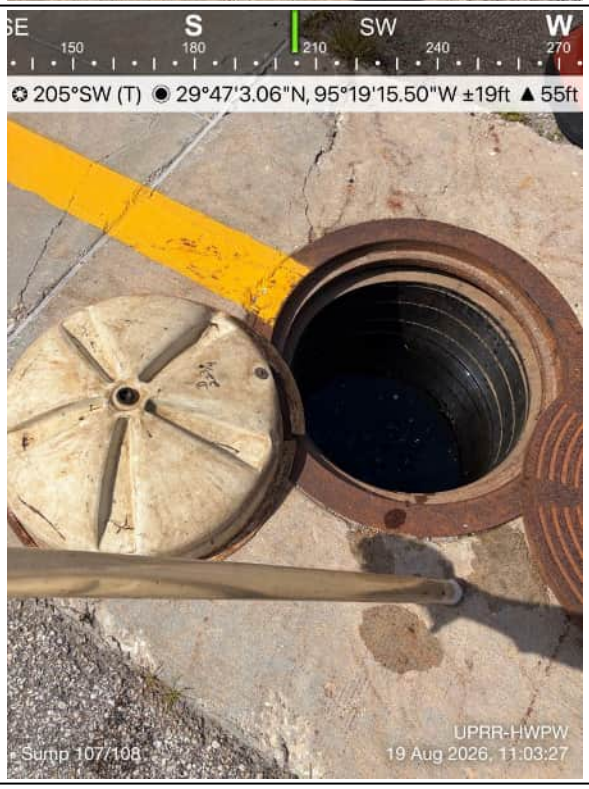
Description:

Sump 2 (B103/B104), 11.0 inches of freeboard in sump. Color is light brown, and no sheen or odor was reported.

Lat: 29.78424

Long: -95.32088

Photo No.	Inspection Date:
70	08/19/2026



Description:

Sump 3 (B107/B108), 10.0 inches of freeboard in sump. Color is light brown, and a sheen was observed. No odor was reported.

Lat: 29.78418

Long: -95.32097

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
71	08/26/2026



Description:

Sump 1 (B99/B100), 1.0 inches of freeboard in sump. Color is brown, and no sheen or odor was reported. The small amount of NAPL accumulated on the underside of the inflow protector for Sump 1 was similar in appearance to the amount observed in July.

Lat: 29.78417

Long: -95.32056

Photo No.	Inspection Date:
72	08/26/2026



Description:

The small amount of NAPL accumulated on the underside of the inflow protector for Sump 1 was similar in appearance to the amount observed in July.

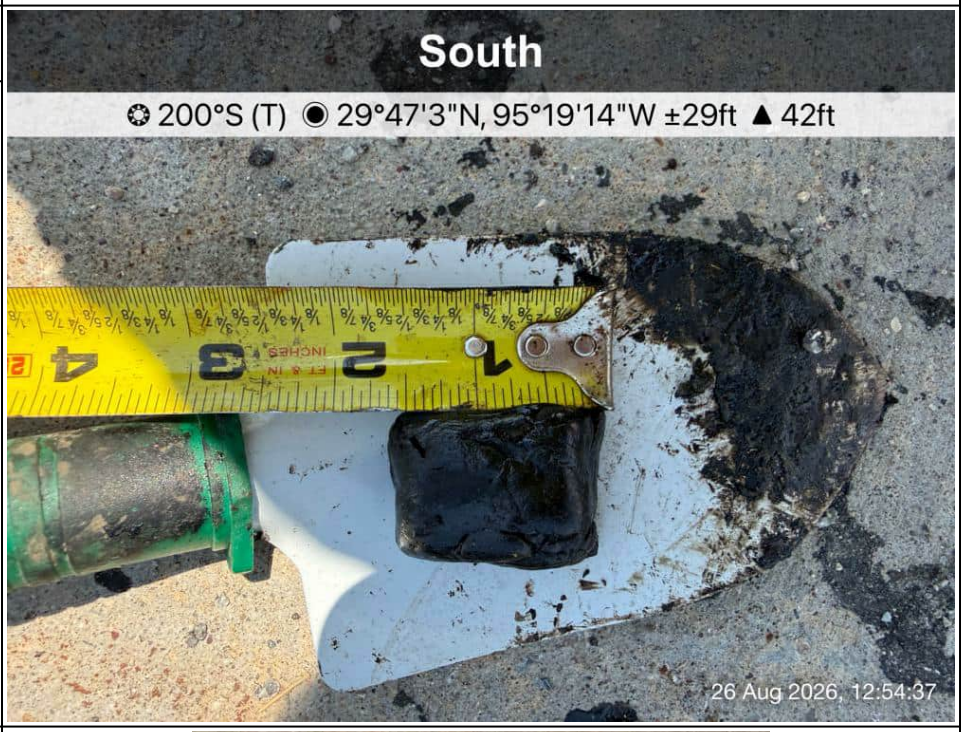
Lat: 29.78417

Long: -95.32056

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
73	08/26/2026



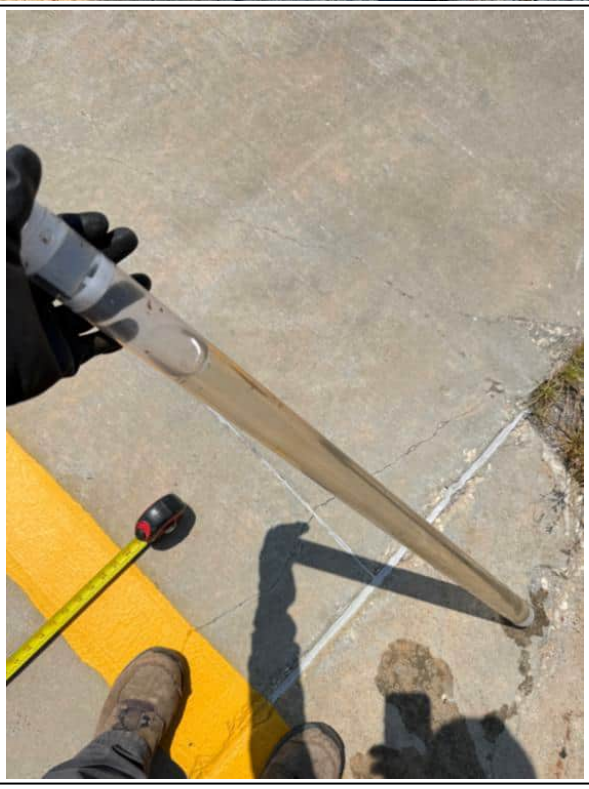
Description:

Approximately 1.9 cubic inches of NAPL observed from the inflow protector at Sump 1.

Lat: 29.78417

Long: -95.32056

Photo No.	Inspection Date:
74	08/26/2026



Description:

Sump 2 (B103/B104), 12.0 inches of freeboard in sump. Color is light brown, and no sheen or odor was reported.

Lat: 29.78424

Long: -95.32088

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
75	08/26/2026



Description:

Sump 3 (B107/B108), 11.0 inches of freeboard in sump. Color is light brown, and a sheen was observed. No odor was reported.

Lat: 29.78417

Long: -95.32083

Photo No.	Inspection Date:
76	08/05/2026



Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 8.6 cubic inches of NAPL observed at seep location.

Lat: 29.78414

Long: -95.32096

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
77	08/05/2026



Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 8.6 cubic inches of NAPL observed at seep location.

Lat: 29.78414

Long: -95.32096

Photo No.	Inspection Date:
78	08/12/2026



Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 1.4 cubic inches of NAPL observed at seep location.

Lat: 29.78416

Long: -95.32097

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
79	08/12/2026



Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 1.4 cubic inches of NAPL observed at seep location.

Lat: 29.78416

Long: -95.32096

Photo No.	Inspection Date:
80	08/19/2026



Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 8.6 cubic inches of NAPL observed at seep location.

Lat: 29.78415

Long: -95.32095

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
81	08/19/2026



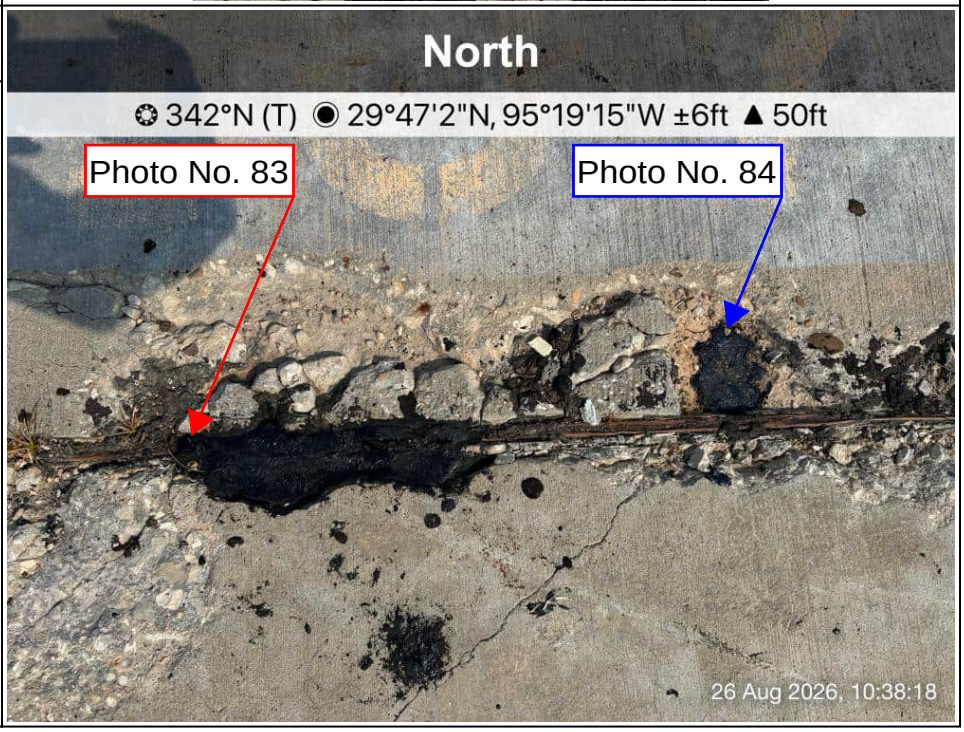
Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 8.6 cubic inches of NAPL observed at seep location.

Lat: 29.78415

Long: -95.32097

Photo No.	Inspection Date:
82	08/26/2026



Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 12.5 cubic inches of NAPL observed at seep location.

Lat: 29.78389

Long: -95.32083

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
83	08/26/2026



Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 8.2 cubic inches of NAPL observed at seep location.

Lat: 29.78389

Long: -95.32083

Photo No.	Inspection Date:
84	08/26/2026



Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 4.3 cubic inches of NAPL observed at seep location.

Lat: 29.78389

Long: -95.32083

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
85	08/05/2026



Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 0.4 cubic inches of NAPL observed at seep location.

Lat: 29.78492

Long: -95.3212

Photo No.	Inspection Date:
86	08/05/2026



Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 0.4 cubic inches of NAPL observed at seep location.

Lat: 29.78491

Long: -95.32132

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
87	08/12/2026



Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 2.6 cubic inches of NAPL observed at seep location.

Lat: 29.78493

Long: -95.32121

Photo No.	Inspection Date:
88	08/12/2026



Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 2.6 cubic inches of NAPL observed at seep location.

Lat: 29.78494

Long: -95.32122

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
89	08/19/2026



Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 1.3 cubic inches of NAPL observed at seep location.

Lat: 29.78492

Long: -95.3212

Photo No.	Inspection Date:
90	08/19/2026



Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 1.3 cubic inches of NAPL observed at seep location.

Lat: 29.78491

Long: -95.32122

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
91	08/05/2026



Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. Approximately 6.1 cubic inches of NAPL observed at seep location.

Lat: 29.78425

Long: -95.32085

Photo No.	Inspection Date:
92	08/05/2026



Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. Approximately 6.1 cubic inches of NAPL observed at seep location.

Lat: 29.78424

Long: -95.32084

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
93	08/12/2026



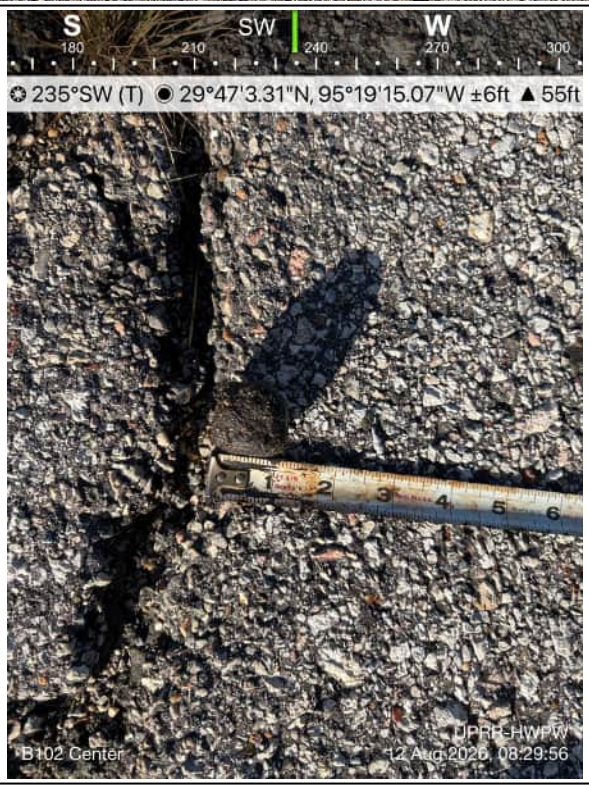
Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. Approximately 1.6 cubic inches of NAPL observed at seep location.

Lat: 29.78426

Long: -95.32086

Photo No.	Inspection Date:
94	08/12/2026



Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. Approximately 1.6 cubic inches of NAPL observed at seep location.

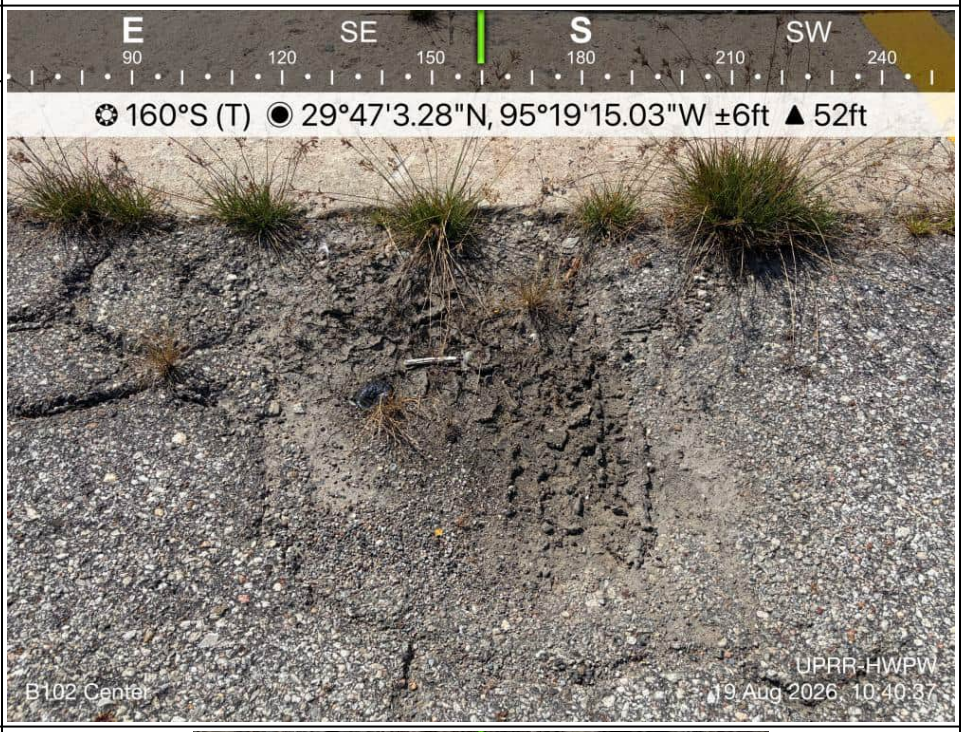
Lat: 29.78425

Long: -95.32085

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
95	08/20/2026



Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. Approximately 4.6 cubic inches of NAPL observed at seep location.

Lat: 29.78424

Long: -95.32084

Photo No.	Inspection Date:
96	08/19/2026



Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. Approximately 4.6 cubic inches of NAPL observed at seep location.

Lat: 29.78424

Long: -95.32083

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
97	08/26/2026



Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. Approximately 4.4 cubic inches of NAPL observed at seep location.

Lat: 29.78417

Long: -95.32083

Photo No.	Inspection Date:
98	08/26/2026



Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. Approximately 4.4 cubic inches of NAPL observed at seep location.

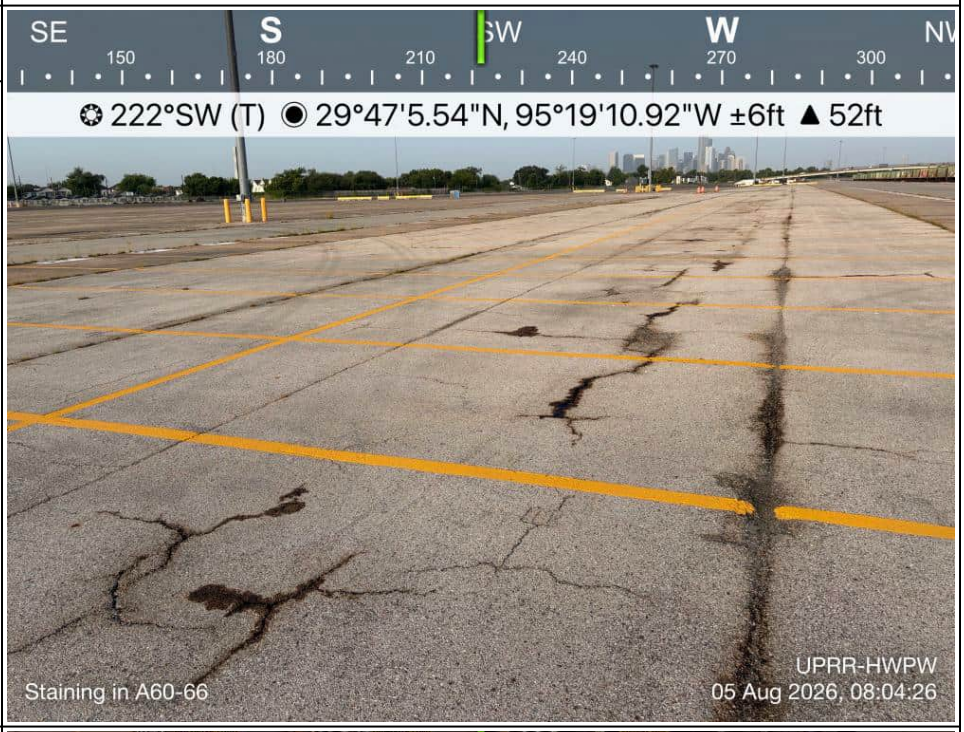
Lat: 29.78417

Long: -95.32083

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
99	08/05/2026



Description:

Brown water staining was observed along the joint that runs from stall A060 through A066. Facing southwest.

Lat: 29.78487

Long: -95.3197

Photo No.	Inspection Date:
100	08/05/2026



Description:

Brown water staining was observed along the joint that runs from stall B026 and B027. Facing southwest.

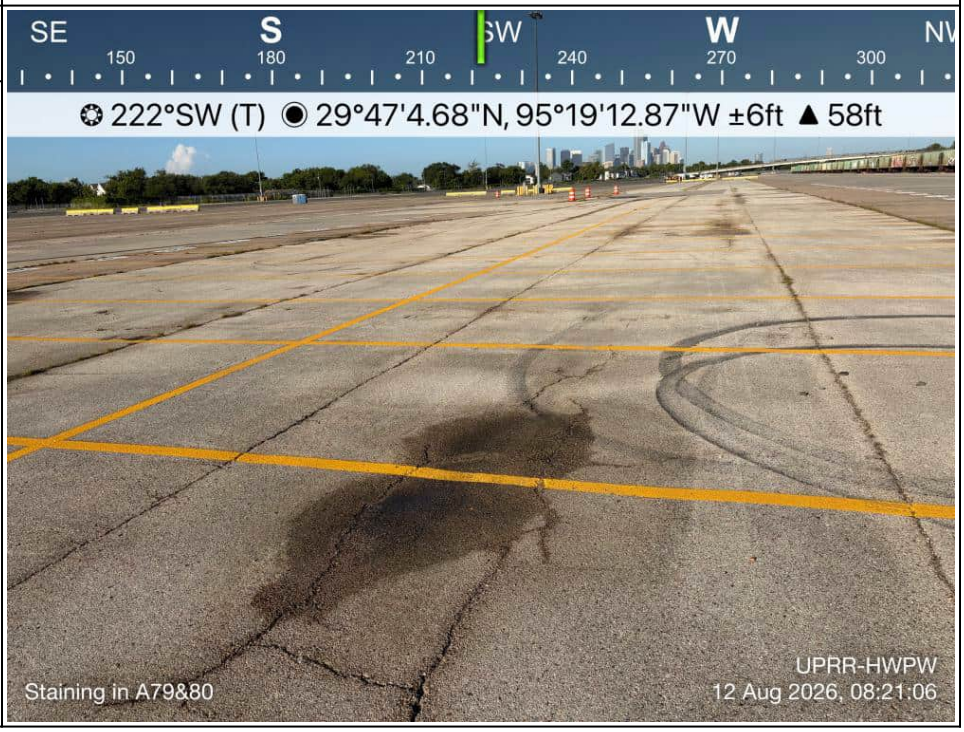
Lat: 29.78519

Long: -95.31873

PHOTOGRAPH LOG

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

Photo No.	Inspection Date:
101	08/12/2026



Description:

Brown water staining was observed along the joint that runs from stall A079 and A080. Facing southwest.

Lat: 29.78463

Long: -95.32024