

April 15, 2024

Project No. 31406585.016

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

Re: MONTHLY STATUS UPDATE – ENGLEWOOD INTERMODAL YARD – NAPL COLLECTION SYSTEM/CONCRETE CAP REPAIRS UNION PACIFIC RAILROAD HOUSTON WOOD PRESERVING WORKS FACILITY 4910 LIBERTY ROAD FACILITY, HOUSTON, TEXAS POST-CLOSURE CARE PERMIT NO. HW-50343; INDUSTRIAL SWR NO. 31547

Dear Mr. Wick:

WSP USA Inc. (WSP), on behalf of Union Pacific Railroad Company (UPRR), is pleased to provide this monthly status update for March 2024 for inspections conducted at the Englewood Intermodal Yard concrete cap area within the UPRR Houston Wood Preserving Works Facility (the Site). Monthly status updates were requested by the Texas Commission on Environmental Quality (TCEQ) in a letter dated March 20, 2018.

A non-aqueous phase liquid (NAPL) Collection System was installed in the Englewood Intermodal Yard in January 2019 to address the tar-like substance seeps within parking stalls B100 to B109 (for container trailers). The following is a summary of the observations from the weekly inspections of the NAPL Collection System and Englewood Intermodal Yard concrete pavement near the collection system for March 2024 (photographs from the weekly inspections are provided in Attachment A):

- Water levels in NAPL Collection System Sump 1 (B099/B100 stalls), Sump 2 (B103/B104 stalls), and Sump 3 (B107/B108 stalls) were measured at 4, 15 and 15 inches from the tops of the manhole, respectively, for each NAPL Collection System Sump, during the inspection on March 6, 2024 (Photo Nos.17-19). During the March 13, 2024 inspection, Sumps 1, 2, and 3 were measured at 0, 11, and 11 inches from the top of the manhole, respectively (Photo Nos. 32-34). On March 20, 2024, Sumps 1, 2, and 3 were measured at 0, 7.5, and 7.5 inches from the top of the manhole, respectively (Photo Nos. 32-34). On March 20, 2024, Sumps 1, 2, and 3 were measured at 0, 7.5, and 7.5 inches from the top of the manhole, respectively (Photo Nos. 43-45). During the March 27, 2024 inspection, Sumps 1, 2, and 3 each had 0, 7, and 6 inches of freeboard measured, respectively (Photo No. 66-68). During the March 2024 inspections, the water in Sump 1 was observed to be light brown in color and the water in Sumps 2 and 3 was observed to be clear. No sheen was observed in the sumps during the March inspections. No odors were reported during the March inspections.
- The NAPL Collection System Sumps 1, 2, and 3 have continued to be checked weekly for DNAPL using an interface probe. No measurable NAPL has been detected within the sumps using the interface probe through

WSP USA 1601 S Mopac Expy Suite 325D Austin, TX 78746 March 2024. A hoe has continued to be used to further evaluate the presence of and recover DNAPL, if present, from the bottom of each of the sumps during the weekly inspections. In Sump 1, 1.5 inches of NAPL was removed during the inspection on March 27th. No DNAPL was encountered or recovered from the Sumps 2 or 3 during March 2024 weekly inspections. A notation on the presence of NAPL in each sump, tabulation of depth and thickness of NAPL if detected, and a tabulation of total mass of NAPL recovered from each sump is provided on the enclosed Table 1. Any NAPL recovered from the sumps is placed in a drum for disposal. The drum is staged at the Container Storage Area (CSA). The inflow protector was monitored for NAPL accumulation, and no accumulation was observed through March 2024.

- No new tar-like material seeps were observed along the concrete joint between the NAPL Collection System and the existing concrete at Stall B107 during the March 2024 inspections (Photo Nos. 16, 27, 62, 64).
- For areas outside the NAPL Collection System, a small amount of tar-like material was observed on the concrete or asphalt surface at the following locations during the March 2024 weekly inspections. The tar-like material was recovered from these locations when observed:

Seep Observations Outside the NAPL Collection System Area					
Stall Number	Observation Date(s)				
A011	March 6 th (Photo No. 2)				
A022	March 6 th (Photo No. 1)				
B056	March 6 th and 27 th (Photo Nos. 8 and 78)				
B096	March 6 th (Photo No. 13)				
B100	March 6 th (Photo No. 14)				
B102 Joint	March 6 th (Photo No. 10)				
Track 802	March 6 th and 27 th (Photo Nos. 15 and 69)				
RD-14	March 6 th , 20 th and 27 th (Photo Nos. 20, 63 and 77)				

Note: Seep observed next to Track 802 is approximately 280 feet northwest of the NAPL Collection System. Seep RD-14 is located within the concrete road area (RD-14) about 45 feet north of Track 802 and east of the existing Track 802 seep location.

- A small amount of staining was visible at stall A010 during the March 6th and 13th inspections (Photo Nos. 3 & 28). A small puddle of brown water was present in the depressions between the concrete and asphalt joint in stall A010 during the March 27th inspection (Photo No. 70). UPRR mobilized a remediation contractor pressure wash and/or collect the water in the areas where the brown staining and seeps were observed in early April. This field event will be described in the April 2024 monthly memo.
- During the March 6, 2024 inspection, a small amount of tar like material was observed in stall B096 adjacent to the test pit patch location. No NAPL seeps were observed at the other six July 2020 test pit locations (stalls A010, A021, A098, B013, B057 and B108).

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- A follow-up video camera survey of the stormwater sewer lines in the central area of the Englewood IM Yard was conducted on August 26, 2021 to evaluate the stormwater line near the test pit locations. Details of the follow-up video survey and test pit evaluation will be provided in the Interim Measures Response Action Completion Report after the activities detailed in the Interim Measure Work Plan (discussed below) are completed.
- The TCEQ issued a comment letter dated January 26, 2022 titled "Comments on Interim Groundwater Monitoring Report (July 2020), dated April 30, 2021 Englewood Intermodal Yard (EIY) Test Pit Evaluation Report, dated June 2, 2021, Corrective Action Monitoring Report, 2021 First Semi-Annual Event, dated July 9, 2021". In the comment letter, the TCEQ requested UPRR prepare an Interim Measures Work Plan (Work Plan) to address the NAPL seeps in the Englewood Intermodal Yard. The TCEQ requested that the Work Plan include a schedule and plan for implementation of additional interim measures to permanently address the NAPL seeps in the Englewood Intermodal Yard. UPRR submitted the requested Work Plan dated May 17, 2023 to the TCEQ on May 24, 2023. The TCEQ issued a comment letter dated July 5, 2023 on the Work Plan. UPRR submitted responses to the TCEQ comments and a Revised Work Plan on October 20, 2023. TCEQ approved the Revised Work Plan in a letter dated January 9, 2024. UPRR selected a remediation contractor, OMI, to conduct this work, planned to commence the end of April 2024.

Weekly site inspections of the NAPL Collection System and Englewood Intermodal Yard concrete pavement near the collection system will continue to be conducted.

If you have any questions or need additional information, please feel free to call us at (512) 517-0628 or Mr. Kevin Peterburs of UPRR at (414) 267-4164.

Sincerely,

WSP USA Inc.

Catherine Mear, GIT Consultant, Environmental Scientist

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Keshab Gyawali, P.E. Senior Consultant, Environmental Engineer



CC:

Kevin Peterburs, UPRR – Milwaukee, WI Karina Rocha, Waste Section Manager, TCEQ Region 12, Houston Attachment Table 1 – NAPL Measurements – NAPL Collection System Attachment A – Weekly Inspection Photolog

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

	Sump 1	Sump 2	Sump 3		
Measured Date	(B099/B100) Freeboard (in)	(B103/B104) Freeboard (in)	(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
10/2/2010	25	42.5	42	Networkly	Sheen visible in B107/B108 sump, less than 0.1 gal of
10/2/2019	2.5	42.5	42	Not measurable	DNAPL recovered Sheen visible in B107/B108 sump, less than 0.1 gal of
10/9/2019	3	42	41.5	Not measurable	DNAPL recovered
10/ 5/ 2015	5	42	41.5	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108
10/16/2019	0	39.5	39	Not measurable	Sump
	-				Less than 0.1 gal of DNAPL recovered from B107/B108
10/24/2019	3	35	25	Not measurable	Sump
10/29/2019	0	24	23	Not measurable	Water from sumps pumped out
10/30/2019	0	40	39	Not measurable	Slight sheen visible in B107/B108 sump
11/6/2019	9	39	38.5	Not measurable	
	_				Less than 0.1 gal of DNAPL recovered from B107/B108
11/13/2019	7	30	29	Not measurable	Sump
11/19/2019	4	26 25	25.5	Not measurable	
11/27/2019	0	25	23	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108
12/3/2019	2	25.5	25	Not measurable	Sump
12/3/2019	2	23.3	25	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108
12/11/2019	1.5	17	16.54	Not measurable	Sump
12/17/2019	5	19.5	17.5	Not measurable	
12/23/2019	10	21	20.5	Not measurable	
1/7/2020	9	13	12.5	Not measurable	
1/8/2020	9	13	12.5	Not measurable	Water from sumps pumped out
1/17/2020	0	32	31.5	Not measurable	
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 4/28/2020	0	21 23	21 22	Not measurable Not measurable	
4/28/2020	0	25	22	NOT MEASURADIE	Measurements were not taken; the inspector was
5/4/2020	_	_	_	Not Measured	unable to open the sumps
5/12/2020	0	20	19	Not measurable	
5/19/2020	0	15.75	14.25	Not measurable	Sump 1 pumped down (May 22nd)
5/27/2020	0	14	13	Not measurable	
6/1/2020	0	7	5	Not measurable	
6/10/2020	0	10	9	Not measurable	
6/17/2020	1	12	11	Not measurable	
6/25/2020	0	0	0	Not measurable	
6/30/2020	0	0	0	Not measured	
7/1/2020	48	46	47	Not measurable	Sumps 1, 2, & 3 pumped down
					Less than 0.1 gal of DNAPL recovered from B107/B108
7/8/2020	34	24.5	24	Not measurable	Sump
					Sheen visible in B99/B100 sump & B107/B108 sump,
7/15/2020	32	29.5	29	Not measurable	less than 0.1 gal of DNAPL recovered B107/B108 sump
7/22/222	2			N-4.	Less than 0.1 gal of DNAPL recovered from B107/B108
7/23/2020	0	23	22.5	Not measured	Sump
7/31/2020	0	11	10	Not measurable	
8/5/2020	0	7	5	Not measurable	
8/13/2020	1	11	10	Not measurable	
8/19/2020	0	7	6	Not measurable	
8/26/2020	0	10	9	Not measurable	Sumps 1, 2, & 3 pumped down (September 1); Sheen
9/2/2020	43	37	38	Not measurable	visible in B99/B100 sump & B107/B108 sump
9/2/2020 9/9/2020	28	37	38	Not measurable	Sheen visible in B107/B108 sump
9/9/2020 9/15/2020	1	37	30	Not measurable Not measurable	sicen visible in b107/b100 sump
9/13/2020	0	35 0	33 0	Not measurable	
-					
9/30/2020	1	10	9	Not measurable	

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

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
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 11/4/2020	0	11 13	10 12	Not measurable Not measurable	
11/4/2020	0.5	13	12	Not measurable	
11/11/2020	3.5	13	11	Not measurable	
11/24/2020	7	14	13.5	Not measurable	
11/30/2020	2	7	6	Not measurable	
12/10/2020	5	10.5	10	Not measurable	
12/18/2020	4	10	9	Not measurable	
12/23/2020	1	9	7.5	Not measurable	
12/31/2020	0	4	3.5	Not measurable	
1/6/2021	4	10.5	9	Not measurable	
1/15/2021	43 0	39 34	37.5 33	Not measurable	Sumps 1, 2, & 3 pumped down Sheen visible in B107/B108 sump
1/22/2021 1/29/2021	2	31	30	Not measurable 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 24	28.5 25	Not measurable Not measurable	
6/16/2021 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
0/14 6 /2007	<u> </u>	22	22		Depth to DNAPL measurements were not taken; the
8/11/2021	0	33	32	Not Measured	interface probe was not functioning properly
8/18/2021 8/25/2021	0	25 20	23	Not measurable	
8/25/2021 9/1/2021	0	20	22 17	Not measurable Not measurable	
9/8/2021	3	14	17	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	
					Sheen visible in B103/104 and B107/B108 sumps; brown discoloration and slight odor noted B099/B100
10/13/2021	3.6	10.56	9.72	Not measurable	sump
10/20/2021	0	13.94 22	12.6 21	Not measurable	Sumps 1,2, & 3 pumped down (October 21) Sheen visible in B099/B100 sump
10/27/2021 11/3/2021	10	22	21	Not measurable Not measurable	Sheen visible in B033/B100 Sullip
11/3/2021	10	16	15	Not measurable	
11/17/2021	8	16	15	Not measurable	
11/24/2021	7	14	13	Not measurable	
			14	Not measurable	
12/1/2021	7	15			
12/1/2021 12/8/2021	7 6	15	12	Not measurable	
12/1/2021				Not measurable Not measurable	
12/1/2021 12/8/2021 12/15/2021	6	12.5	12	Not measurable	Partial site inspection conducted 12/22/21; Sump
12/1/2021 12/8/2021 12/15/2021 12/22/2021	6 7 -	12.5 15 -	12 15 -	Not measurable Not Measured	Partial site inspection conducted 12/22/21; Sump measurements were not taken
12/1/2021 12/8/2021 12/15/2021	6	12.5	12	Not measurable	

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

Josep 1 Pressured Pressured (no. 1997) Jump 2 (1997) Sump 3 (1997) Despin to UNACL (1997) Control (1997) 1/27/2020 3 9 9 Not resource (1997) Persource (1997)						
Date Precboard (in) Precboard (in) Comments 1/17/202 3.5 9.7 16 Not measurable 1/17/202 3.5 9.7 16 Not measurable 2/12/202 - - Not Measured Measured 2/12/202 - - Not Measured Measured 2/12/202 - - Not Measured Measured 2/16/202 5.5 15 14 Not measurable 3/17/202 4.5 7 6 Not measurable 3/17/202 4.5 7 6 Not measurable 3/17/202 4.5 12 Not measurable Meanusurable 3/17/202 4.5 12 8 Not measurable 3/17/202 4.5 13 Not measurable Meanusurable 3/17/202 4.5 13 Not measurable Meanusurable 3/17/202 5 13 Not measurable Meanusurable 3/17/202 5 13		Sump 1	Sump 2	Sump 3		
1/12/02/2 1.5 1.7 16 Not mesurable Second	Measured	(B099/B100)	(B103/B104)	(B107/B108)	Depth to DNAPL	
12772022 3 9 9 Not mesurable Networks and taken, the inspector was provided by the inspector by the insprovided by the inspector provided by the insprovide	Date	Freeboard (in)	Freeboard (in)	Freeboard (in)	(in)	Comments
12772022 3 9 9 Not mesurable Networks and taken, the inspector was provided by the inspector by the insprovided by the inspector provided by the insprovide	1/19/2022	13.5				Sheen visible in B099/B100 sump
2/2/202 - - Not Measurements were not takes; the inspector was unable to gen the sumps 2/1/202 9 15 15 Not measurable unable to gen the sumps 2/1/202 5.5 14 13.5 Not measurable 3/1/202 5.5 14 Not measurable 3/1/202 6 29 28 Not measurable Sumps 1.2, 8 g pumped down during inspection; less inspe						
2/2/2022 . . Not Resurable Image: comparison of the sumps	1/2//2022	3	9	9	Not measurable	
2/6/022 9 15 15 Not mesurable 2/6/022 5.5 14 13.5 Not mesurable 3/2/2022 5.5 14 Not mesurable 3/2/2022 5.5 15 14 Not mesurable 3/2/2022 4.5 7 6 Not mesurable 3/2/2022 4.5 7 6 Not mesurable 3/2/2022 4.5 7 6 Not mesurable 3/2/2022 4.5 12 Not mesurable Han 0.5 get of DNAPL recovered 8167/8108 sump 3/2/2022 4.5 18 15 Mort mesurable Statu visible in 8099/8100 sump 4/2/2022 4.5 12 8.5 Nort mesurable Sumps 1.2, & 3 pumped down during impection; Sheen 5/2/2022 4.5 12 8.5 Nort mesurable Simpt visible in 8099/8100 sump 5/2/2022 0 2.5 2.4 Not mesurable Simpt visible in 8099/8100 sump 5/2/2022 0 2.5 2.4 Not mesurable Simpt visible in 8099/8100						-
27/67/202 8.5 17 16 Not measurable 3/2/2022 5.5 15 14 Not measurable 3/2/2022 5.5 15 14 Not measurable 3/2/2022 5.5 15 14 Not measurable 3/2/2022 4.5 7 6 Not measurable 3/2/2022 6 29 28 Not measurable 3/2/2022 5.5 28 28 Not measurable 4/2/2022 5.5 28 28 Not measurable 4/2/2022 5.8 18 18 Not measurable 4/2/2022 5.8 18 18 Not measurable 5/4/2022 6.5 4.5 44 Not measurable 5/1/2022 6.5 4.5 44 Not measurable 5/1/2022 7.2 2.2 2.2 Not measurable Sumps 1.2, 8.3 pumped down during inspection: planting ins	2/2/2022	-	-	-	Not Measured	unable to open the sumps
2/27/202 5.5 14 13.5 Not mesurable 3/7/202 5.5 15 14 Not mesurable 3/7/202 4.5 7 6 Not mesurable 3/7/202 4.5 7 6 Not mesurable 3/7/202 4.5 7 6 Not mesurable 3/7/2022 6 29 28 Not mesurable Sumps 1.2, 8.3 guided own during inspection; less 3/7/2022 6 29 28 Not mesurable Sheen visible in 8099/8100 sump 4/2/2022 4.5 18 15 Not mesurable Sumps 1.2, 8.3 guided down during inspection; Sheen 5/4/2022 4.5 12 8.5 Not mesurable Sumps 1.2, 8.3 guided down during inspection; Sheen 5/4/2022 6 24 Not mesurable Sumps 1.2, 8.3 guided down during inspection; Sheen 5/4/2022 5 24 Not mesurable Sheen visible in 8099/8100 sump 5/3/2022 5 24 Not mesurable Sheen visible in 8099/8100 sump 6/3/2022 5	2/9/2022	9	15	15	Not measurable	
2/27/202 5.5 14 13.5 Not mesurable 3/7/202 5.5 15 14 Not mesurable 3/7/202 4.5 7 6 Not mesurable 3/7/202 4.5 7 6 Not mesurable 3/7/202 4.5 7 6 Not mesurable 3/7/2022 6 29 28 Not mesurable Sumps 1.2, 8.3 guided own during inspection; less 3/7/2022 6 29 28 Not mesurable Sheen visible in 8099/8100 sump 4/2/2022 4.5 18 15 Not mesurable Sumps 1.2, 8.3 guided down during inspection; Sheen 5/4/2022 4.5 12 8.5 Not mesurable Sumps 1.2, 8.3 guided down during inspection; Sheen 5/4/2022 6 24 Not mesurable Sumps 1.2, 8.3 guided down during inspection; Sheen 5/4/2022 5 24 Not mesurable Sheen visible in 8099/8100 sump 5/3/2022 5 24 Not mesurable Sheen visible in 8099/8100 sump 6/3/2022 5	2/16/2022	8.5	17	16	Not measurable	
3/2/2022 5.5 15 14 Not measurable 3/9/2022 4.5 7 6 Not measurable 3/16/2021 4.5 7 6 Not measurable 3/16/2021 4.5 7 6 Not measurable 3/16/2021 5.5 28 28 Not measurable 4/13/2022 5.5 18 18 Not measurable 4/13/2022 5 19 18 Not measurable 4/2/2022 5 18 18 Not measurable 4/2/2022 5 18 18 Not measurable 5/11/2021 6 7 6 Not measurable Somps 1.2, 8.3 pumped down during inspection: Sheen 5/11/2021 15 4.4 Not measurable Somps 1.2, 8.3 pumped down during inspection: Sheen 6/11/2021 5 2.4 2.4 Not measurable Somps 1.2, 8.3 pumped down during inspection: Iss 6/11/2021 5 2.5 2.4 Not measurable Somps 1.2, 8.3 pumped down during inspection: Iss <						
3/9/202 4.5 7 6 Not mesurable 3/16/202 48 36 45 Not mesurable Sumps 1.2, 8.3 pumped down during inspection; less 3/3/2021 6 29 28 Not mesurable Then 0.5 gol of DNAPI, recovered B107/B108 sump 3/3/2022 5.5 2.8 28 Not mesurable Then 0.5 gol of DNAPI, recovered B107/B108 sump 4/15/2022 3.5 19 18 Not mesurable Then 0.5 gol of DNAPI, recovered B107/B108 sump 4/27/2022 4.5 12 8.5 Not mesurable Then 0.5 gol of DNAPI, recovered B107/B108 sump 5/14/2022 4.5 12 8.5 Not mesurable Not mesurable 5/14/2022 16 44.5 44 Not mesurable Sumps 1.2, 8.3 pumped down during inspection; Bse 0.5 5/14/2022 15 2.4 Not mesurable Not mesurable Sumps 1.2, 8.3 pumped down during inspection; Bss 0.5 6/15/2020 5 2.5 2.4 Not mesurable Sumps 1.2, 8.3 pumped down during inspection; Bss 0.5 6/16/2021 5 13						
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	1/25/2023	3	6	5	Not measurable	

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

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
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
	52	72		Notificasurasic	Sheen visible in B099/B100, B103/B104, and B107/B108
3/1/2023	9	41	40	Not measurable	sumps, water color in sumps noted as brown
3/8/2023	5	42	41	Not measurable	B099/B100 & B103/B104 light brown color
					B099/B100 and B013/B104 brown color; B107/B108
3/15/2023	4	42	41	Not measurable	very light brown color
3/22/2023	8	26.5	25.5	Not measurable	B099/B100 light brown color
3/29/2023 4/5/2023	2.5	24 25	25 25	Not measurable Not measurable	B099/B100 light brown color B099/B100 light brown color
47572025	2.5	23	25	Not medsurable	All three sumps pumped down during inspection,
4/12/2023	4	12	14	Not measurable	B099/B100 brown color
4/19/2023	5	42	42	Not measurable	Sheen visible in B107/B108 sump
4/26/2023	4	31.5	31.5	Not measurable	Sheen visible in B107/B108 sump
5/3/2023 5/10/2023	3	18 1.5	17.5 0	Not measurable Not measurable	Sheen visible in B107/B108 sump
5/17/2023	0	2	0	Not measurable	Sheen visible in B107/B108 sump
5/24/2023	2	14	13	Not measurable	Pumpdown and boom swap.
					B099/B100 water color brown. B103/B104 and
5/31/2023	28	50	49	Not measurable	B107/B108 water color light brown.
					Sheen visible in all Sumps. B099/B0100 water color
6/7/2023	3	38	37	Not measurable	brown and, light brown on both B103/B104 and B107/B108.
0/1/2023	,	50	57	Not measurable	
					Sheen Visible in B099/B100 & B107/B108. water color
6/14/2023	4	38	37	Not measurable	brown on B099/B100 & light brown in all other sumps.
					Sheen Visible in B107/B108. water color brown on
6/21/2023	3	36	37	Not measurable	B099/B100 & light brown in all other sumps.
					Sheen Visible in B099/B100 & B107/B108. water color dark brown on B099/B100 & B107/B108, light brown in
6/28/2023	3	31	31	Not measurable	B103/B104.
					Sheen Visible in B099/B100 and B107/B108. Water color
					brown on B099/B100, light brown in B103/B104.
7/12/2023	3	20	19	Not measurable	Cheen Visible on D000/D100 and D107/D100 Mater
					Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and clear on B103/B104 and
7/19/2023	3	19	19	Not measurable	B107/B108.
					Sheen Visible on B099/B100 and B107/B108. Water
					color brown on B099/B100, light brown on B103/B104,
7/26/2023	3	21	20	Not measurable	and clear on B107/B108.
					Sheen Visible on B107/B108. Water color dark brown on
8/2/2023	0	16.5	15.5	Not measurable	B099/B100, light brown on B103/B104, and clear on B107/B108. Pumpdown conducted 8/4/2023.
0, 2, 2020		20.0	10.0		Sheen Visible on B099/B100 and B107/B108. Water
					color brown on B099/B100, light brown on B103/B104,
8/9/2023	42	47	47	Not measurable	and clear on B107/B108.
					Sheen Visible on B099/B100 and B107/B108. Water
8/16/2023	38.5	47	47	Not measurable	color brown on B099/B100 and light brown on B103/B104 and B107/B108.
0/10/2023	50.5			Not medsurable	Sheen visible in all Sumps. B099/B100 water color dark
					brown and, light brown on both B103/B104 and
8/23/2023	33	46	46	Not measurable	B107/B108.
					Sheen visible in all Sumps. B099/B100 water color dark
8/30/2023	33	46	44	Not measurable	brown and, light brown on both B103/B104 and B107/B108.
0/30/2023		40	44	Not measurable	5107/5108.
					Sheen visible in all Sumps. B099/B100 water color light
9/6/2023	1	38	38	Not measurable	brown, and clear on both B103/B104 and B107/B108.
					Sheen Visible on B099/B100 and B107/B108. Water
0/12/2022	0	22	22	Not moscurable	color brown on B099/B100 and clear on B103/B104 and B107/B108 Bumpdown conducted 9/15/2022
9/13/2023	0	33	33	Not measurable	B107/B108. Pumpdown conducted 9/15/2023. Sheen Visible on B099/B100 and B107/B108. Water
					color brown on B099/B100 and light brown on
9/20/2023	14	41	40	Not measurable	B103/B104 and B107/B108.
					Sheen Visible on B099/B100 and B107/B108. Water
0/07/					color light brown on B099/B100 and clear on B103/B104
9/27/2023	0.5	33	34	Not measurable	and B107/B108. No sheen visible in all sumps. Water color brown on
					B099/B100 and light brown on B103/B104 and
10/4/2023	0	0	0	Not measurable	B107/B108. Heavy rains all week filled up sumps.
				-	· · ·

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

10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 10/12/12/12 <th10 12="" 12<="" th=""> <th11 12="" 12<="" th=""></th11></th10>	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
0 0 0 0 Nort mesurable 10/13/2023 risite week filted up sumps. Pumpdown conducted 10/13/2023 10/13/2023 46 48 47 Nort mesurable 10/13/2023 Sheen visible on 8099/10.10 and 1007/10.10. Water color favors non 8099/10.10 and 1007/10.10. 11/12/2023 2.2 3.4 3.3 Not messurable share/share no 809/10.10 and 1007/10.10. 11/12/2023 2. 6 5.5 Not fmessurable sh07/10.10. Sheen visible on 8099/10.10 and 1007/10.10. 11/12/2023 7 1.3 1.2 Not messurable sh07/10.10. No sheen observed in any of the sumps. Water color light forown on 809/10.10 and 1000000000000000000000000000000000000	2410				(,	
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International state Steer vibile on 8099/8100 and 8107/8108. Witer color light brown on 809/8100. Witer color light brown on 8107/8108. 10/15/2022 39 44 43 Not messurable Steer vibile on 8099/8100 and 1007/8108. Witer color light brown on 8107/8108. 10/15/2022 39 44 43 Not messurable Steer vibile on 8099/8100 and 1007/8108. 11/12/2022 5.5 33 33 Not messurable Steer vibile on 8099/8100 and 1007/8108. 11/12/2023 2 6 5.5 Not messurable Steer vibile on 8099/8100 and 100 and 1007/8108. 11/15/2023 2 6 5.5 Not messurable Steer vibile on 8099/8100 and 100 or 0103/8104 11/15/2023 2 6 5.5 Not messurable Steer vibile on 8099/8100 and 100 or 0103/8104 and 100/8108 11/15/2023 7 13 12 Not messurable Steer vibile on 8099/8100 and 100 or 010 or 010/8104 and 100 or 010/8104 and 100/8104 and 100/8100 and 100 or 010/810						
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11/1/2023 6.5 33 33 Not messurable and 8127/8108. 11/2/2023 12 34 33 Not messurable Boden visible on 8009/8100. Water color light brown on 8009/8100. and clear on 113/8104 and 8107/8108. 11/15/2023 2 6 5.5 Not messurable Boden observed in any of the sumps. Water color light brown on 8009/8100 and clear on 113/8104 and 8107/8108. 11/22/2023 7 13 12 Not messurable Bid/7608. 11/22/2023 7 13 12 Not messurable Bid/7608. 11/22/2023 5.5 10 9.5 Not messurable Bid/7608. 11/22/2023 5.5 10 9.5 Not messurable Bid/7608. 11/2/2023 6 14 Not messurable Bid/7608. Bid/7808. 12/13/2023 5 10 9.5 Not messurable Bid/7808. Bid/7808. 12/27/2023 6 13 11 Not messurable Bid/7808. Bid/7808. 12/27/2023 6 13 11 Not messurable						Sheen visible on B099/B100 and B107/B108. Water
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light brown on B099/B100 and clear on B103/B104 and B107/B108. Some DNAPL (1.5 inches) was recovered	5,20,2024	<u>_</u>	,.5	,.5		
B107/B108. Some DNAPL (1.5 inches) was recovered						
3/27/2024 0 7 6 Not measureable from the bottom of Sump 1.						
	3/27/2024	0	7	6	Not measureable	from the bottom of Sump 1.

 TABLE 1

 NAPL Measurements - NAPL Collection System - Englewood Intermodal Yard

 UPRR Houston, tx - Wood Preserving Works

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

Note:

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

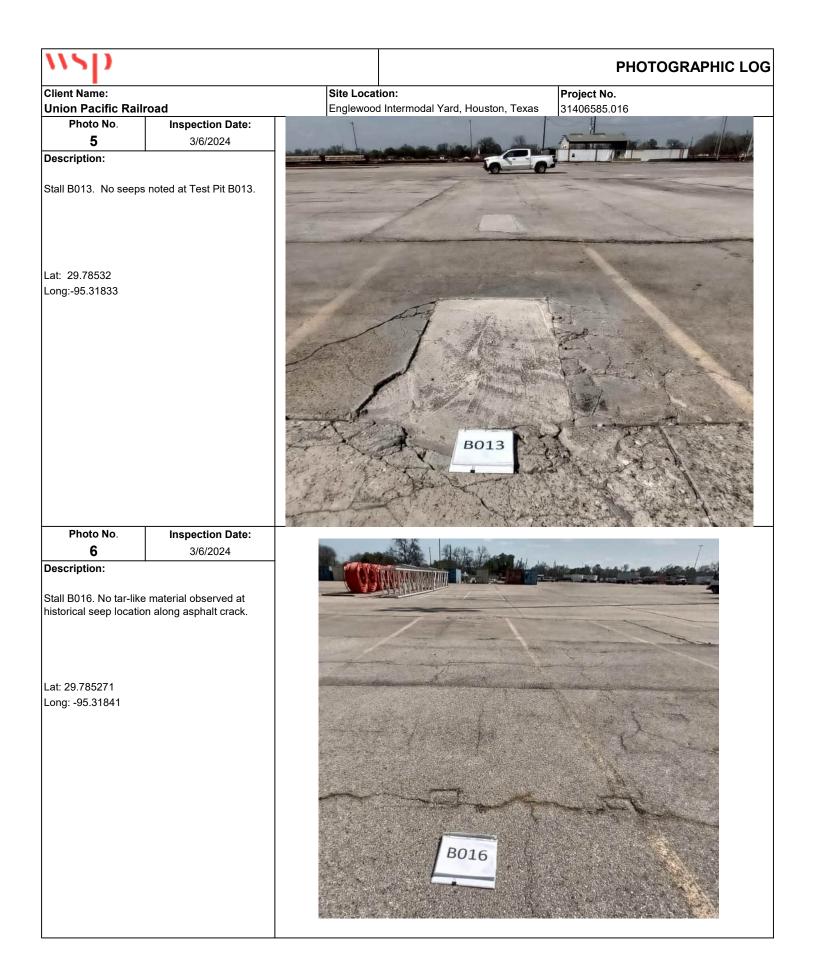


ATTACHMENT A

Weekly Inspection Photolog

wsp				PHOTOGRAPHIC LOG	
Client Name:		Site Locat		Project No.	
Union Pacific Railro		Englewood	l Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:				
•	3/6/2024	and the second			
1 3/6/2024 Description: Stall A022. Some tar-like material was observed at historical seep location along asphalt crack, material was removed. Lat: 29.785378 Long: -95.318694					
Photo No.	Inspection Date:	-			
2	3/6/2024				
Description: Stall A011. Some tar-lik historical seep location material removed. Lat: 29.785467 Long: -95.318341	ke material observed at along asphalt crack,		2011		

visp				PI	HOTOGRAPHIC LOG
Client Name:		Site Locat	ion:	Project No.	
Union Pacific Railroad Er			l Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:	State of the local division of the local div			
3	3/6/2024				
	e material observed at Test imal seep water staining of the asphalt.				
Lat: 29.785517 Long: -95.31834			A010		
Photo No. 4	Inspection Date: 3/6/2024	the be		100	T
Description:	5/6/2024				
	noted at Test Pit A021.				
Long: -95.318654			A021	A A A A A A A A A A A A A A A A A A A	



vsp				PHOTOGRAPHIC LOG
Client Name:		Site Loca	tion:	Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
7	3/6/2024			
	ar-like material observed at n along asphalt crack.			
Lat: 29.784923 Long: -95.319124			BO42	
Photo No.	Inspection Date:			
8	3/6/2024			
Description:	5/0/2024		A CALL AND A	
Stall B056. Some tar-	like material was observed torical seep location along			
Lat. 29.764751 Long: -95.319532			B	056

wsp			PHOTOGRAPHIC LOG		
Client Name: Union Pacific Rail	rood	Site Loca	t ion: d Intermodal Yard, Houston, Texas	Project No. 31406585.016	
Photo No.	Inspection Date:		d Internioual faid, Houston, Texas	31400505.010	
9 Description:	3/6/2024				
Stall B057 (joint), no t historical seep locatio	ar-like material observed at n at Test Pit B057.	•			
Lat: 29.784747 Long: -95.319549			B057		
Photo No.	Inspection Date:				
10	3/6/2024				and the second
Description: Stall B102 (joint) som at historical seep site material removed. Lat: 29.784197 Long: -95.320821	e tar-like material observed along concrete joint,				
			B102 Joint		

visp			PHOTOGRAPHIC LOG
Client Name:		Site Location:	Project No.
Union Pacific Rail		Englewood Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:		
11	3/6/2024	the second	e r
Description: Stall B102 (center), no at seep location along	o tar-like material observed g cracks in pavement.		and drame with former surround
1			the state of the second st
Lat: 29.784233 Long: -95.320847		B102 Center	
Photo No.	Inspection Date:		
12	3/6/2024		
Description: Stall B105, no new tai the historical seep loc Lat: 29.784209 Long: -95.320943	r-like material observed at cation along asphalt crack.		

visp				PHOTOGRAPHIC LOG
Client Name:		Site Location		Project No.
Union Pacific Rail		Englewood	Intermodal Yard, Houston, Texas	31406585.016
Photo No. 13	Inspection Date: 3/6/2024			
	ike material observed at n along concrete joint at al removed.		BOS	ererererererererererererererererererer
Photo No.	Inspection Date:			
14	3/6/2024			and the second
Description: Stall B100, some tar- concrete crack/hole in removed. Lat: 29.784236 Long: -95.320786	ike material observed on		B10	

visp				PHOTOGRAPHIC LOG
Client Name:		Site Locati		Project No.
Union Pacific Rail		Englewood	Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:		STATES SCA	
15	3/6/2024	- Tall	A ALL HERE	
Description: North side of Track 80 observed at seep loca ballast, material remo	02, some tar-like material tion near the edge of the ved.			
Long: -95.321214			Track	
Photo No.	Inspection Date:			
16	3/6/2024			Surning sufficient sources with the are the
Description:		Contrast Romandian Rouge	The second s	SITERALITY STOLETING COM
seep location on conc southern edge of the o	r-like material observed at prete joint along the excavated area.		7	
Lat: 29.784137 Long: -95.32096			Blue	

visp					PHOTOGRAPHIC LOG
Client Name:		Site Locat			Project No.
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Te	exas	31406585.016
Photo No.	Inspection Date:	* * * * * * * * * * * * * * * * * * *			
17	3/6/2024	the super start for			
Description: Sump 1 (B099/B100), sump, no odor noted, color noted as light br	4 inches of freeboard in no sheen observed, water own.				
Lat: 29.7844000			and pro-	and the second	
Long: - 95.3205861			A REAL PROPERTY AND	B099, B100	
Photo No.	Inspection Date:			13	
18	3/6/2024	MARINE SCAL		1	
Description: Sump 2 (B103/B104), sump. No odor or she as clear. Lat: 29.7842861	15 inches of freeboard in en observed, color noted				
Long: - 95.3208611			B103 B10		

visp				PHOTOGRAPHIC LOG
Client Name:		Site Locat		Project No.
Union Pacific Rail		Englewood	I Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
19	3/6/2024			
Description: Sump 3 (B107/B108) sump, no sheen obse clear.	, 15 inches of freeboard in rved, water color noted as			
Lat: 29.7844000 Long: - 95.3205861				L07/ 108
Photo No. 20	Inspection Date: 3/6/2024	AND AND		
Description:	0/0/2024		A CARLEN AND A CAR	States and the second se
RD-14 Seep location concrete road area no	orth of Track 802 (east of ep location). Some tar-like		RD-14	

visp				PHOTOGRAPHIC LOG
Client Name:		Site Locat		Project No.
Union Pacific Rail		Englewood	l Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
21	3/13/2024			
Description:				
Stall B013. No seeps	noted at Test Pit B013.			
Lat: 29.78532 Long:-95.31833				
		pection 3 13 24	Bot	
Photo No.	Inspection Date:			
22	3/13/2024	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		and the second second
Description:		the stand	The state of the second second	
Stall B056. No new ta historical seep locatio	r-like material observed at n along asphalt crack.			
Lat: 29.7847472			A PARAME	· · · · · · · · · · · · · · · · · · ·
Long: -95.3195417				
			B056	

visp				PHOTOGRAPHIC LOG
Client Name: Union Pacific Rail	road	Site Locat	ion: I Intermodal Yard, Houston, Texas	Project No. 31406585.016
Photo No.	Inspection Date:	Eligiewood	Timerinodal Tald, Hodstoll, Texas	31400383.010
23	3/13/2024	HAT	The Chief	LON - Cont
Description:		194-5	PANJA Rot	
North side of Track 80	02, no new tar-like material tion near the edge of the			
Lat: 29.784947 Long: -95.321214				
			Track 802	
Photo No.	Inspection Date:			
24	3/13/2024			
Description:		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	the second s	
	ar-like material observed at n along asphalt crack.			
Lat: 29.785378 Long: -95.318694		0n, TX 77020	Aoge Aoge	

visp				PHOTOGRAPHIC LOG
Client Name:		Site Loca		Project No.
Union Pacific Rail		Englewoo	od Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
25 Description:	3/13/2024		and the second se	
	r-like material observed			
Lat: 29.784769 Long: -95.3195798		tion 3.13.24 1.26 AM 31954 Houston, TX 770	009	
Photo No.	Inspection Date:			
26	3/13/2024	all in	NA 17	
Description:		The shall be	A A A A A A A A A A A A A A A A A A A	We with the state
historical seep locatio	e material observed at n along asphalt crack.			
Lat: 29.785467 Long: -95.318341		ion 3 13.24 00 AM 31836 t, Houston, TX 770	20	

visp				PHOTOGRAPHIC LOG
			ion:	Project No.
Union Pacific Rail		Englewood	l Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
27	3/13/2024			
Description: Stall B107, no new tal seep location on cond southern edge of the	r-like material observed at crete joint along the excavated area.			
Lat: 29.784137 Long: -95.32096		Inspection 3.13.24 024 11:55 AM 15, -95,32098		8107
Photo No.	Inspection Date:			
28	3/13/2024	the speed all the last	LAND CONTRACT IN THE	
Description:				
Pit A010 location.	e material observed at Test			
Lat: 29.785517 Long: -95.31834		3-18:24 M G Juston, TX 77020	2010	

visp					РНОТС	GRAPHIC LOG
Client Name:		Site Locat			Project No.	
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Te	exas	31406585.016	
Photo No.	Inspection Date:					
29	3/13/2024	Ver and				
	r-like material observed at n along concrete joint.					
Lat: 29.7842528 Long: -95.3206250				= 2	-07	
Photo No.	Inspection Data:	section 3.13.24 11.51 AM 5.32068 St, Houston, TX 770	B09 020	06		X
	Inspection Date:					
<u>30</u>	3/13/2024		the second second			1 miles and
Description: Stall B100, no new tal seep location along a asphalt.	r-like material observed at sphalt crack/ hole in the					
Lat: 29.7842528 Long: - 95.3206250		3.24 1, TX 77020		В	100	

visp				PHOTOGRAPHIC LOG
Client Name: Site Loca				Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:	MER TRACE MER	de la de	
31	3/13/2024			
	r-like material observed at ation along asphalt crack.	spection 3.13.24 24 11.54 AM ,-95.32092 9 St, Houston, TX 77		
Photo No. 32 Description:	Inspection Date: 3/13/2024			
	0 inches of freeboard in rved, water color noted as			
Lat: 29.7844000 Long: - 95.3205861		ion 3 13 24 01 PM 32073 Iouston, TX 77020	Boggl B100	

visp				PHOTOGRAPHIC LC
Client Name: Site Loo				Project No.
Union Pacific Rail		Englewood	l Intermodal Yard, Houston, Texas	s 31406585.016
Photo No.	Inspection Date:			
	3/13/2024 11 inches of freeboard in en observed, color noted	un 3.13.24 4 PM 087	BIO3/ BIO4	
Photo No. 34 Description: Sump 3 (B107/B108), sump, no sheen obse clear. Lat: 29.7844000 Long: - 95.3205861	Inspection Date: 3/13/2024 11 inches of freeboard in rved, water color noted as	087 St, Houston, TV 70 St, Houst		

visp				PHOTOGRAPHIC LOG
Client Name: Site Locat				Project No.
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
35 Description:	3/13/2024			and the second second
(east of existing Track	observed within the RD-14) north of Track 802 & 802 seep location), no observed along a concrete	3.24 buston TX 77020:	RD-1	
Photo No.	Increation Date:			
36	Inspection Date: 3/13/2024			
Description:	3/13/2024	and the second se	- And - Contraction of the	
	ar-like material observed at n along concrete crack.			
		Dection 3.13.24 11:22 AM 95.3191 Js St, Houston, TX	77020	

visp				PHOTOGRAPH	IC LOG
Client Name:		Site Locat		Project No.	
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:	A CONTRACTOR			400
37	3/13/2024			A REAL PROPERTY AND A REAL PROPERTY A REAL PROPERTY AND A REAL PRO	and
Description: Stalls A060 - A070, so previously observed a No new water seeps of southwest. Lat: 29.784858 Long: -95.319733	long cracks in pavement.	324			
Photo No.		ton, TX 77026		0.	
38	Inspection Date: 3/13/2024				
JO Description:	3/13/2024				
	o tar-like material observed cracks in pavement.	1			
Lat: 29.784233 Long: -95.320847		20	B102 Center		

visp				PHOTOGRAPHIC LOG
Client Name: Site Loca				Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:	and the other		
39	3/13/2024	Section Street		
	e material observed at on along asphalt crack.			
Lat: 29.785271 Long: -95.31841		TX 77020	BO16	
Photo No.	Inspection Date:	light 2		
40	3/13/2024		5 D. Mary Mary	In the second
Description: Stall B102 (joint) no r observed at historical joint. Lat: 29.784197 Long: -95.320821	new tar-like material	020	B102 Joint	

visp				РНО	TOGRAPHIC LOG
Client Name:		Site Loca	lition:	Project No.	
Union Pacific Rail		Englewoo	od Intermodal Yard, Houston, Tex	xas 31406585.016	
Photo No.	Inspection Date:				
41	3/13/2024		1 May a la	And Aldare	and and an and and a
Description: Stall A021. No seeps	s noted at Test Pit A021.				
Lat: 29.78543 Long: -95.31868					- Contraction of the second se
		WSP HWPW Inspectior 03 13 2024 11 13 29 78543, -95 318 2665 Harlem St, H	AM	A021	
Photo No.	Inspection Date:				and have
42	3/20/2024		and the second		
(east of existing Trac	RD-14) north of Track 802 < 802 seep location), some rved along a concrete joint.	3.24 1X 77020		Bloo	

visp				PHOTOGRAPHIC	LOG
Client Name:		Site Loca	tion:	Project No.	
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:	and the second	the state of the s	2011	21
43	3/20/2024		•		Size.
	, 0 inches of freeboard in rved, water color noted as				
Lat: 29.7844000 Long: - 95.3205861	24	77020	B099/ B100		and the second second
Photo No.	Inspection Date:				5471
44	3/20/2024				
Description:		- Marketterstrong			
Sump 2 (B103/B104), sump. No odor or she as clear.	, 7.5 inches of freeboard in een observed, color noted				
Lat: 29.7842861 Long: - 95.3208611	24	77020		B103/ B104	

visp				РНО	TOGRAPHIC LOG
Client Name: Site Locat				Project No.	
Union Pacific Rail		Englewood	l Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:			a start and a start and	
45	3/20/2024		And Delaws	ALC: NOT THE REAL PROPERTY OF	And the second second
Description:		the second		and the second	
Sump 3 (B107/B108), sump, no sheen obse clear.	7.5 inches of freeboard in rved, water color noted as				
Lat: 29.7844000					
Long: - 95.3205861		:20.24 M Houston, TX 7702		B107/ B108	
Photo No.	Inspection Date:	0.22	No. 14		
46	3/20/2024	States and	make here the	and the second second	
Description:					and Brank and
	noted at Test Pit A010.				
Lat: 29.785517 Long: -95.31834		20.24 M uston, TX 777020			

visp					PHOTOGRAPHIC LOG
Client Name:		Site Locat		Projec	
Union Pacific Rail		Englewood	l Intermodal Yard, Houston,	Texas 31406	585.016
Photo No.	Inspection Date:				
47	3/20/2024	The second second second	Martin Martin		and have also we do a s
	r-like material observed at n along asphalt crack.				
Lat: 29.785467 Long: -95.318341		LUON 3: 20.24 D.44 AM			
Photo No.	Inspection Date:				
48	3/20/2024	-			
Description: Stall A021. No seeps Lat: 29.785387 Long: -95.31871	noted at Test Pit A021.				
		9 PW Inspection 20 2024 10 49 A 78545, -95 3187 5 Harlem St, Ho	M		AOZI

visp		PHOTOGRAPHIC LOG					
			tion:		Project No.		
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texa	s 31	406585.016		
Photo No.	Inspection Date:						
49	3/20/2024						
Description: Stall A022, no new tai the seep location alor	r-like material observed at ng the edge.						
Lat: 29.78537 Long: - 95.31869		ection 3 20 24 10 50 AM 5 3187 1 St. Houston, TX 7		022			
Photo No.	Inspection Date:			12.00	a little	-	
50	3/20/2024	state	- An on all diss willing	aller-	- In The	The dealers and	
Description:			and a manager of the second	-			
Stall B013. No seeps	noted at Test Pit B013.						
Lat: 29.78532 Long:-95.31833		tion 3 20.24 46 AM 31826 st, Houston, TX 77	120				

visp					PHOTOGRAPHIC LOG
Client Name:		Site Loca	tion:	Project No).
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texa		
Photo No.	Inspection Date:				
51	3/20/2024			-	
	e material observed at n along asphalt crack.				· ·
Lat: 29.785271 Long: -95.31841		n 3.20.24 7 AM 837 Houston, TX 77020	DO1		
Photo No.	Inspection Date:				
52	3/20/2024		the second se		
Description: Stall B042. No new ta	ar-like material observed at n along asphalt crack.	Dection 3 20.24 10:52 AM 95.31913 us Si, Houston, TX		042	

visp				РНОТ	OGRAPHIC LOG
Client Name:		Site Locat	tion:	Project No.	
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:			1 XXX	
53	3/20/2024	XXXXXX			
Description: North side of Track 80 observed at seep loca ballast. Lat: 29.784947 Long: -95.321214	02, no new tar-like material ation near the edge of the				
			Trac 802		
Photo No.	Inspection Date:				
54	3/20/2024	111			
Description:		THE REAL PROPERTY AND INCOME.			And a
	r-like material observed at n along asphalt crack.	n 3 20,24			
		5 AM 947 Juston, TX 77009		Action in	A Barres Marca

wsp				PHO	OTOGRAPHIC LOG
Client Name:		Site Loca		Project No.	
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:				
55	3/20/2024			Manager Al	
and removed at seep crack.	r-like material observed location along asphalt		A Company of the second		
Lat: 29.784769					
Long: -95.3195798		ion 3 20.24 56 AM 1952 Houston, TX 77009		B057	
Photo No.	Inspection Date:				
56	3/20/2024				
Description:		State of the second	The state of the s		
Stalls A060 - A070, so previously observed a No new water seeps o southwest.	long cracks in pavement.			7	
Lat: 29.78496					
Long: -95.31969		WSP HWPW Inspection 03 20 2024 10:59 29 78496, 95 319 4414 Quitman St, J	AM		

visp				PHOTOGRAPHIC LOG
Client Name:		Site Locat		Project No.
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Texas	31406585.016
Photo No. 57	Inspection Date:			
Description: Stall B096, no new tal	3/20/2024 r-like material observed at n along concrete joint.			D006
Lat: 29.7842528 Long: -95.3206250		Dn 3.20.24 8 AM 1065 Fuston, TX 77020		B096
Photo No.	Inspection Date:			
58	3/20/2024			
	r-like material observed at sphalt crack/ hole in the	on 3.20.24 9 AM 2081- puston, TX 77020		

visp					PHOTOGRAPHIC L	OG
Client Name:		Site Locat			Project No.	
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, T	Texas	31406585.016	
Photo No.	Inspection Date:					
59	3/20/2024			27 - 7		
Description: Stall B102 Joint, no no observed at seep loca Lat: 29.7842203 Long: - 95.320827					.02	
Photo No. 60	Inspection Date: 3/20/2024	ction 3:20:24 1:29 AM 32082 Houston, TX 77024		Joi	int	and the second se
	3/20/2024	TAS BO				
at seep location when	o tar-like material observed e pavement is cracked.					
Lat: 29.784769			C. Mariana and	Sec.	and a second	
Long: -95.3195798		126	B107 Cent	2 ter		

visp				PHOTOGRAPHIC LOG
Client Name:		Site Loo	cation:	Project No.
Union Pacific Rail		Englewo	ood Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
61	3/20/2024			
Description:				
Stall B105 no new ta	r-like material observed at		the second s	
	ation along asphalt crack.			a state of the second second
		Call and	the second se	Contraction of the second
		The second second	and the second	
Lat: 29.784209		A State of the second s		
Long: -95.32083		and and	- 200	
		The start	- into	
				A CARLER AND A CARLE
			and the second second	
		5 151 H	and the second	and the second sec
		1-1- Galler	E E	3105
		a the second	and the second second	· Carta and
		ection 3.20.24		and the second se
		11.31 AM 5.32083		the second second second second
		t, Houston, TX 77	020	a funde and a state of the state of the
			and a second statement of the statement	
Photo No.	Inspection Date:			
62	3/20/2024	Mar and and M	The second of the second s	
Description:				
			n state of the second s	
at seep location on co	ar-like material observed	and the second s		
southern edge of the	excavated area.	" the second of the second sec		The side of the second
			A state + A property	
Lat: 29.784156		and the second		
Long: -95.320953			and the second se	
			a protection	
			P	
			D10	7
		and a state	B10	
		and the second s		
		1		
		.20.24		
		M		Anton
		l Houston, TX 77(120	1

visp				PHOTOGRAPHIC L	_OG
Client Name:		Site Location:		Project No.	
Union Pacific Rail		Englewood Interm	odal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:		A STATE OF		
63 Description:	3/20/2024				
existing Track 802 see	orth of Track 802 (east of ep location), some new tar- l along a concrete joint.		RD-1		
Photo No.	Inspection Date:	IN THE ANALY MAN			
64 Description:	3/27/2024			and the second second	
Stalls B107, no new ta at seep location on co southern edge of the	ar-like material observed oncrete joint along the excavated area.		-		
Lat: 29.784156 Long: -95.320953		3.27.24 AM 97 ston, TX 77020		Blo7	

visp				PHOTOGRAPHIC LOG
Client Name:		Site Locat		Project No.
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
65 Description:	3/27/2024		and the second division of the local divisio	
Stall B057 (joint), no r observed at historical B057.	new tar-like material seep location at Test Pit		The set	
Lat: 29.784747 Long: -95.319549		on 3.27.24 24 AM 1956 ouston, TX 77020	BOSZ	
Photo No.	Inspection Date:			
66	3/27/2024	And a state of the	A STATE OF A	
sump, no sheen obse	0 inches of freeboard in rved, water color noted as PL was scraped from the uring the inspection.	B099/ B100		

visp				PHOTOGRAPHIC LOG
Client Name:		Site Loca		Project No.
Union Pacific Rail		Englewoo	od Intermodal Yard, Houston, Texas	31406585.016
	Inspection Date:	Car	and the second s	
67	3/27/2024	A Barris		S Mullice Shin
	7 inches of freeboard in en observed, color noted			
1	17/1	a de la de la des		
Lat: 29.7842861 Long: - 95.3208611	.4 X	7020	B103/ B104	
Photo No.	Inspection Date:			
68	3/27/2024			
Description: Sump 3 (B107/B108), sump, no sheen obse clear. Lat: 29.7844000 Long: - 95.32103	1.	on 3.27.24 66 AM 2103 St, Houston, TX	К 77020	

vsp				PHOTOGRAPHIC LOG
Client Name: Union Pacific Railı	road	Site Locat	ion: I Intermodal Yard, Houston, Texas	Project No. 31406585.016
Photo No.	Inspection Date:	J		
69	3/27/2024			
Description: North side of Track 80 material observed at s edge of the ballast, m	seep location near the			
Lat: 29.784947 Long: -95.321214		tion 3.27.24 .23 PM 32124 xd, Houston, TX 770	26	ick 02
Photo No.	Inspection Date:			
70	3/27/2024			
Description:	3/2//2024		and a state of the state of the	and the second second second
Stall A010. No seeps	noted at Test Pit A010.			
Lat: 29.78556 Long: -95.31839		W Inspection 8 27 7 2024 TH 08 AM 3556 -95 31839 Harlem St, Housto	24 p.11 × 172020	A010

visp				PHOTOGRAPHIC LOG
Client Name:		Site Loca	tion:	Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
71	3/27/2024	THE TALL AND A		Called Long the state of the st
	r-like material observed at n along asphalt crack. red along cracks in			
Lat: 29.785467 Long: -95.318341		tion 3.27.24 .09 AM 31841 St, Houston, TX 770		
Photo No.	Inspection Date:			
72	3/27/2024	Contraction of the local division of the loc		
Description:				() ()
Stall B013. No seeps	noted at Test Pit B013.		1	
Lat: 29.78532 Long:-95.31833		7.24 ston, TX 77020	B013	

visp				PHOTOGRAPHIC LOG
Client Name:		Site Loca		Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
73 Description:	3/27/2024			ŧ.
Stall B016. No tar-like	e material observed at n along asphalt crack.			
Photo No. 74	Inspection Date: 3/27/2024	3 27 24 M 9 ouston, TX 77020	Bois	
Description: Stall A022, no new ta the seep location alor	r-like material observed at g the edge.			
Lat: 29.785381 Long: - 95.318619		27 24 ston, TX 77020	A222	

vsp			PHOTOGRAPHIC LOC		
Client Name:			ocation:	Project No.	
Union Pacific Rail			ood Intermodal Yard, Houston, Texas		
Photo No.	Inspection Date:				
75	3/27/2024	ANA WALADIAN			Read the state of the
Description: Stall A021. No seeps Lat: 29.785387 Long: -95.318654	noted at Test Pit A021.	tion 3:27:24 17 AM 31867 3t, Houston, TX 7			
	Inspection Date: 3/27/2024 ar-like material observed at n along concrete joint.				
		27.24 M uston, TX 77020		3042	

wsp			PHOTOGRAPHIC LOG			
			ion:		Project No.	
Union Pacific Rail		Englewood	I Intermodal Yard, Houston, Te	exas	31406585.016	
Photo No.	Inspection Date:					
77	3/27/2024					A CONTRACTOR
existing Track 802 se	orth of Track 802 (east of ep location), some new tar- l along a concrete joint. l.	pection 3.27.24 4 12:23 PM -95.32381		RD	-14	
Photo No.	Inspection Date:					
78	3/27/2024				而已是是是一个人不多人	
Description:	0/21/2024		- is a second	The same		and the second second second
Stall B056. Some tar-	like material observed at n along asphalt crack,	on 6:27.24 22.4M 1967 Rd: Houston, TX 7		B	056	

wsp			PHOTOGRAPHIC LOG		
Client Name:			tion:	Project No.	
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:				
79	3/27/2024		A CARLES AND		
	r-like material observed at ation along asphalt crack.				
Lat: 29.784209 Long: -95.320943		77020	B		
Photo No.	Inspection Date:				
80	3/27/2024				
Description:			an Linder litt.		
Stalls A060 - A070, so previously observed a No new water seeps o southwest. Lat: 29.784858 Long: -95.31969	along cracks in pavement.				
		ction 3:27:24 1:30 AM 5:31969 Rd, Houston, TX 77	026		

wsp			PHOTOGRAPHIC LOG		
Client Name:		Site Locat		Project No.	
Union Pacific Railroad		Englewood	Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:				
81	3/27/2024				
Description:		the second second	and the state	and the second s	
Stall B096, no new tar-like material observed at historical seep location along concrete joint next to Test Pit B096.					
Lat: 29.7842528 Long: -95.3206250			FE-0		
		2 <u>7.24</u> A Iston, TX 77026	B096		
Photo No.	Inspection Date:				
82	3/27/2024	and the second second			
seep location along a asphalt.	r-like material observed at sphalt crack/ hole in the				
Lat: 29.7842528 Long: - 95.32066		spection 3.27, 2.4 4 11:34 AM -95:32066		B100	
		St, Houston, TX 77	020		

wsp			PHOTOGRAPHIC LOG		
			tion:	Project No.	
Union Pacific Railroad		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:				
83	3/27/2024		MA		
Description: Stall B102 Joint, no new tar-like material observed at seep location along stall joint. Lat: 29.7842203 Long: - 95.320827		27.24 A on, TX 77020	B102 Joint		
		n, n 17020			
Photo No.	Inspection Date:				
<u>84</u>	3/27/2024	an an said	AD THE PARTY		
Description: Stall B102 (center), no	o seep observed.				The second
Lat: 29.784769 Long: -95.3195798		ction 3.27.24 1.35 AM 32075 Houston, TX 77020	Ce	102 enter	