

October 17, 2022 Project No. 19119232

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 – 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 Ms. Hatfield:

Golder Associates USA Inc. (Golder), a member of WSP, on behalf of Union Pacific Railroad Company (UPRR), is pleased to provide this monthly status update for September 2022 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 September 2022 (photographs from the weekly inspections are provided in Attachment A):

• As noted in the August 2022 monthly update, water from NAPL Collection System Sump 1 (B099/B100 stalls), Sump 2 (B103/B104 stalls), and Sump 3 (B107/B108 stalls) was pumped down on August 31, 2022. UPRR remediation contractor OMI Environmental Solutions (OMI) removed approximately 10,000 gallons of water from the sumps for disposal at Delta Water Processing in Houston, TX. Immediately following the pump down event, freeboard levels in Sumps 1, 2, and 3 were measured at 52 inches, 52 inches and 48 inches respectively. By the September 7, 2022 inspection, the water level in Sump 1 had increased to 3 inches from the top of the sump (Photo No. 6) and the water level in Sumps 2 and 3 had increased to 37 inches (Photo Nos. 7 and 8). The water levels fluctuated but remained near those levels through the remainder of September, ending at 3 inches, 30 inches, and 31 inches, respectively, during the September 28, 2022 inspection (Photo Nos. 30 and 32). The final waste manifests from the August 31, 2022 pump down event is provided in Attachment B. The next pump down event is anticipated to occur in October 2022. The water in the sumps was

October 17, 2022

observed as being brown in color. A sheen was observed in Sump 1 on September 14, 2022 (Photo No. 14), Sump 3 on September 21, 2022 (Photo No. 24), and Sumps 1 and 3 on September 28, 2022. (Photo Nos. 30 and 32). No odors were reported during the September inspections.

• The NAPL Collection System sumps (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 September 2022. Even though no measurable DNAPL was noted, a dipper tool 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. No DNAPL was observed or encountered using the dipper tool during the weekly inspections in September. 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.

An accumulation of NAPL on the bottom of the inflow protector in Sump 1 was observed during the inspection on September 14, 2022 (Photo No. 13). The material was removed, and the inflow protector was monitoring during subsequent inspections for additional NAPL accumulation. No additional accumulation was observed through September 28, 2022 (Photo No. 31).

- A small tar-like material seep was observed on the southern edge of the NAPL Collection System in cracks in the cement along the joint of Stall B107 during all four inspections in September (Photo Nos. 5 and 21). This seep was first observed during the July 6, 2022 weekly inspection.
- As detailed in the July 2022 Monthly Status Update, a tar-like material seep was observed next to Track 802 that is located approximately 280 feet northwest of the NAPL Collection System. The tar-like material seep is located along on the northern side of the track at the edge of the railroad ballast (Photo Nos. 9 and 33), and was observed during three of the four inspections in September (September 7th, 14th, and 28th). During the September 28, 2022 inspection, an additional tar-like material seep was observed within the concrete road area (RD-14) about 45 feet north of Track 802 and east of the existing Track 802 seep location (Photo No. 34).
- 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 September 2022 weekly inspections:

Seep Observations Outside the NAPL Collection System Area								
Stall Number	Observation Date(s)							
A011	September 7 th , 14 th , 21 st , and 28 th (Photo Nos. 1 and 17)							
A022	September 7 th , 14 th , 21 st , and 28 th (Photo Nos. 2 and 18)							
B056	September 7 th , 14 th , 21 st , and 28 th (Photo Nos. 10 and 25)							
B057	September 7 th , 14 th , 21 st , and 28 th (Photo Nos. 11 and 26)							
B096	September 28 th (Photo No. 27)							
B101	September 7 th , 14 th , 21 st , and 28 th (Photo Nos. 3 and 19)							

WSD GOLDER

2

Ms. Maureen Hatfield Project No. 19119232

October 17, 2022

Seep Observations Outside the NAPL Collection System Area							
Stall Number	Observation Date(s)						
B102 (Joint)	September 7 th , 14 th , 21 st , and 28 th (Photo Nos. 12 and 28)						
B102 (Center of Stall)	September 28th (Photo No. 29)						
B105	September 7 th , 14 th , 21 st , and 28 th (Photo Nos. 4 and 20)						
Track 802	September 7 th , 14 th , and 28 th (Photo Nos. 9 and 32)						
RD-14 (road north of Track 802)	September 28th (Photo No. 34)						

Tar-like material observed during the weekly inspection events was removed and recovered using a hand tool
to scrape up the material. During September, the number of tar-like material seeps observed during the weekly
inspections was similar to the August 2022 weekly inspections. However, the total amount of material removed
from the concrete surface decreased. Approximately 1.5 gallons of tar-like material was recovered for the
month and placed in a drum for disposal. The drum is staged at the Container Storage Area (CSA).

During September 2021, track marks from a container transport vehicle running over the seep in stall B102 were observed and barricades were set up surrounding the seep location to prevent further tracking. The barricades are checked and reset, as needed, during the weekly inspections. UPRR remediation contractor US Ecology pressure washed the tar-like material tracking in October 2021. No new track marks were observed around stall B102 during the September 2022 weekly inspections.

- After the pressure washing event conducted on June 28, 2022, no new brown staining/residue or seep water
 was observed during the weekly inspections through September 2022. UPRR will continue to have a
 remediation contractor pressure wash and/or collect the water in the areas where the brown staining and seeps
 are observed, as needed.
- Golder, on behalf of UPRR, submitted to the TCEQ the Englewood IM Yard Test Pit Evaluation Report dated June 2, 2021 summarizing the findings from the test pits installed in July 2020, including weekly inspections since the installation. As discussed in the Test Pit Report, the test pit inspections were to continue through the warmer months (through September 2021). UPRR will prepare a Test Pit Evaluation Report Addendum summarizing the test pit inspections from June through November 2021. During inspections in June and July 2021 the concrete patches covering test pits in stalls A010, A021, B013, B057, B096, and B108 were observed to be damaged. UPRR contractor US Ecology removed the damaged test pit concrete on October 22, 2021 and completed installation of new rebar and concrete on October 25, 2021. The new concrete patches continue to be monitored during the weekly inspections.

During the inspection on September 28, 2022, a small amount of tar like material was observed in stall B096 adjacent to the test pit patch, near the historical seep location, along the concrete joint at the front of the stall (Photo No. 27). Through September 2022, no NAPL seeps have been observed at the six other test pit locations (stalls A010, A021, A098, B013, B057, and B108). The seep observed in stalls B057 (Photo Nos. 11 and 26) during the September inspections is located in cracks in the asphalt pavement and not at the test pit location.

3

Ms. Maureen Hatfield Project No. 19119232

October 17, 2022

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 will be provided in the Test Pit Evaluation Report Addendum.

• 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 is in the process of preparing the requested Work Plan.

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) 671-3434 or Mr. Kevin Peterburs of UPRR at (414) 267-4164.

Sincerely,

Golder Associates USA Inc.

Sarah Balke, G.I.T Consultant, Geologist

Eric C. Matzner, P.G. Director, Hydrogeologist

CC: Mr. Kevin Peterburs, UPRR – Milwaukee, WI

Ms. Alma Jefferson, Waste Section Manager, TCEQ Region 12, Houston

Attachment Table 1 - NAPL Measurements - NAPL Collection System

Attachment A – Weekly Inspection Photolog Attachment B – Waste Disposal Manifests

4



TABLE

Measured	Sump 1 (B099/B100)	Sump 2 (B103/B104)	Sump 3 (B107/B108)		
Date	Freeboard (in)	Freeboard (in)	Freeboard (in)	Depth to DNAPL (in)	Comments
8/14/2019 8/21/2019	2.5 0	28 27.5	29 26.5	Not measurable 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	2.5	42.5	42	Not moscurable	Sheen visible in B107/B108 sump, less than 0.1 gal of DNAPL recovered
10/2/2019	2.3	42.3	42	Not measurable	Sheen visible in B107/B108 sump, less than 0.1 gal of
10/9/2019	3	42	41.5	Not measurable	DNAPL recovered
					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	0	35 24	25 23	Not measurable	Sump
10/29/2019 10/30/2019	0	40	39	Not measurable Not measurable	Water from sumps pumped out Slight sheen visible in B107/B108 sump
11/6/2019	9	39	38.5	Not measurable	Signe Sirecti Visible in E207/E200 Sump
					Less than 0.1 gal of DNAPL recovered from B107/B108
11/13/2019	7	30	29	Not measurable	Sump
11/19/2019	4	26	25.5	Not measurable	
11/27/2019	0	25	23	Not measurable	Less than 0.1 and of DNADI second from D107/D100
12/3/2019	2	25.5	25	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
, -,	-				Less than 0.1 gal of DNAPL recovered from B107/B108
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	Water from summer of the last
1/8/2020	9	13 32	12.5 31.5	Not measurable Not measurable	Water from sumps pumped out
1/17/2020 1/21/2020	2.5	26.5	31.5 26	Not measurable 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 3/18/2020	0	36 35.5	35.5 35	Not measurable 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	Magaziramente ware not taken, the increator was
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	anable to open the samps
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 6/17/2020	1	10 12	9 11	Not measurable	
6/25/2020	0	0	0	Not measurable 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
		24.3			
		24.3			Sheen visible in B99/B100 sump & B107/B108 sump, les
7/15/2020	32		29	Not measurable	Sheen visible in B99/B100 sump & B107/B108 sump, les than 0.1 gal of DNAPL recovered B107/B108 sump
7/15/2020	32	29.5	29	Not measurable	Sheen visible in B99/B100 sump & B107/B108 sump, les than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108
7/23/2020	0		29 22.5	Not measured	than 0.1 gal of DNAPL recovered B107/B108 sump
7/23/2020 7/31/2020	0	29.5 23 11	22.5 10	Not measured Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108
7/23/2020 7/31/2020 8/5/2020	0 0 0	29.5 23 11 7	22.5 10 5	Not measured Not measurable Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108
7/23/2020 7/31/2020 8/5/2020 8/13/2020	0 0 0	29.5 23 11 7	22.5 10 5 10	Not measured Not measurable Not measurable Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/19/2020	0 0 0 1	29.5 23 11 7 11 7	22.5 10 5 10 6	Not measured Not measurable Not measurable Not measurable Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108
7/23/2020 7/31/2020 8/5/2020 8/13/2020	0 0 0	29.5 23 11 7	22.5 10 5 10	Not measured Not measurable Not measurable Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/19/2020 8/26/2020 9/2/2020	0 0 0 1 0 0	29.5 23 11 7 11 7 10	22.5 10 5 10 6 9	Not measured Not measurable Not measurable Not measurable Not measurable Not measurable Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in 899/B100 sump & B107/B108 sump
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/19/2020 8/26/2020 9/2/2020 9/9/2020	0 0 0 1 0 0	29.5 23 11 7 11 7 10 37	22.5 10 5 10 6 9	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump Sump 1, 2, & 3 pumped down (September 1); Sheen
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/19/2020 8/26/2020 9/2/2020 9/9/2020 9/15/2020	0 0 0 1 0 0 0	29.5 23 11 7 11 7 10 37 37 35	22.5 10 5 10 6 9 38 36 33	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in 899/B100 sump & B107/B108 sump
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/19/2020 8/26/2020 9/2/2020 9/5/2020 9/15/2020 9/23/2020	0 0 0 1 0 0 0 43 28 1	29.5 23 11 7 11 7 10 37 37 35 0	22.5 10 5 10 6 9 38 36 33 0	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in 899/B100 sump & B107/B108 sump
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/13/2020 8/26/2020 9/2/2020 9/9/2020 9/15/2020 9/33/2020 9/30/2020	0 0 0 1 0 0 0 43 28 1 0	29.5 23 11 7 11 7 10 37 37 35 0	22.5 10 5 10 6 9 38 36 33 0	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in 899/B100 sump & B107/B108 sump
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/19/2020 8/26/2020 9/2/2020 9/5/2020 9/15/2020 9/23/2020	0 0 0 1 0 0 0 43 28 1	29.5 23 11 7 11 7 10 37 37 35 0	22.5 10 5 10 6 9 38 36 33 0	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in 899/B100 sump & B107/B108 sump
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/13/2020 8/26/2020 9/2/2020 9/9/2020 9/15/2020 9/33/2020 9/30/2020	0 0 0 1 0 0 0 43 28 1 0	29.5 23 11 7 11 7 10 37 37 35 0	22.5 10 5 10 6 9 38 36 33 0	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/19/2020 8/26/2020 9/2/2020 9/15/2020 9/33/2020 10/8/2020 10/15/2020	0 0 0 1 0 0 0 0 43 28 1 0 0 1 4 4	29.5 23 11 7 11 7 10 37 37 35 0 10 12 11 10.5	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in 899/B100 sump & B107/B108 sump
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/19/2020 8/26/2020 9/2/2020 9/15/2020 9/32/2020 9/30/2020 10/8/2020 10/15/2020 10/21/2020 10/21/2020	0 0 0 1 0 0 0 0 43 28 1 0 0 1 4 4	29.5 23 11 7 11 10 37 35 0 10 12 11 10.5 11	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/13/2020 8/26/2020 9/2/2020 9/5/2020 9/30/2020 9/30/2020 10/8/2020 10/15/2020 10/15/2020 11/28/2020 11/2020	0 0 0 0 1 1 0 0 0 43 28 1 0 1 1 4	29.5 23 11 7 11 7 10 37 35 0 10 12 11 10.5 11 13	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10.5	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 8/5/2020 8/13/2020 8/13/2020 8/16/2020 9/2/2020 9/3/2020 9/3/2020 9/3/2020 9/3/2020 10/8/2020 10/8/2020 10/8/2020 11/4/2020	0 0 0 1 1 0 0 43 28 1 1 0 1 4 4 0 1 0	29.5 23 11 7 11 17 10 37 37 35 0 10 12 11 10.5 11 13 12	22.5 10 5 10 6 9 38 36 33 0 9 11.5 9.25 10 12 11	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/13/2020 8/19/2020 9/2/2020 9/15/2020 9/30/2020 10/8/2020 10/8/2020 10/15/2020 10/21/2020 11/4/2020 11/4/2020	0 0 0 1 1 0 0 0 43 28 1 0 1 4 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0	29.5 23 11 7 11 7 10 37 35 0 10 12 11 10.5 11 13 12 13	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 10 11 12	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 8/5/2020 8/13/2020 8/13/2020 8/16/2020 9/2/2020 9/3/2020 9/3/2020 9/3/2020 9/3/2020 10/8/2020 10/8/2020 10/8/2020 11/4/2020	0 0 0 1 1 0 0 43 28 1 1 0 1 4 4 0 1 0	29.5 23 11 7 11 17 10 37 37 35 0 10 12 11 10.5 11 13 12	22.5 10 5 10 6 9 38 36 33 0 9 11.5 9.25 10 12 11	Not measured Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 8/5/2020 8/13/2020 8/13/2020 8/26/2020 9/26/2020 9/15/2020 9/30/2020 10/8/2020 10/8/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 11/3/2020 11/3/2020	0 0 0 1 1 0 0 43 28 1 0 1 4 0 1 1 0 9 0 5 3 5 5 7 7 7 7	29.5 23 11 7 11 7 10 37 37 35 0 10 12 11 10.5 11 13 12 13 14 7 7 10.5	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 8/35/2020 8/13/2020 8/13/2020 8/26/2020 9/2/2020 9/3/2020 9/35/2020 10/8/2020 10/8/2020 11/18/2020 11/18/2020 11/18/2020 11/18/2020 11/18/2020 11/18/2020 11/36/2020 11/36/2020 11/36/2020 11/36/2020 11/36/2020 11/36/2020 11/36/2020 11/36/2020 11/36/2020 11/36/2020	0 0 0 1 1 0 0 0 43 28 1 1 0 1 4 4 0 1 1 0 0 5 7 7 7 2 5 7 7 7 2 5 7 7 7 7 7 7 7 7 7	29.5 23 11 7 11 7 10 37 37 35 0 10 12 11 10.5 11 13 14 7 10.5 10 10 10	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 11 11 12 13.5 6 10 9	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump
7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/13/2020 8/15/2020 9/2/2020 9/2/2020 9/3/2020 9/3/2020 10/8/2020 10/21/2020 10/21/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 11/16/2020 12/16/2020	0 0 0 1 1 0 0 0 43 28 1 0 1 4 0 1 1 0 9 0.5 3.5 7 7 2 2	29.5 23 11 7 11 7 10 37 35 0 10 12 11 10.5 11 13 14 7 10.5 10 19 9	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9 7.5	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 7/31/2020 8/5/2020 8/13/2020 8/12/2020 9/2/2020 9/15/2020 10/8/2020 10/8/2020 10/8/2020 10/15/2020 11/4/2020 11/4/2020 11/3/2020 11/3/2020 11/3/2020 11/3/2020 12/13/2020	0 0 0 0 1 1 0 0 43 28 1 0 1 1 4 0 1 1 0 9 0 5 5 7 7 7 2 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	29.5 23 11 7 10 37 37 35 0 10 12 11 10.5 11 13 14 7 10.5 10 9 4	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 8/5/2020 8/13/2020 8/19/2020 8/19/2020 9/2/2020 9/3/2020 9/35/2020 10/8/2020 10/8/2020 11/18/2020 12/31/2020	0 0 0 1 1 0 0 0 43 28 1 1 0 0 1 1 4 4 0 9 0.5 3.5 7 2 5	29.5 23 111 7 10 37 37 35 0 10 12 11 13 12 14 7 10.5 10 9 4 10.5	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9 9 9 9 10 10 10 10 10 10 10 10 10 10	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump Less than 0.1 gal of DNAPL recovered B107/B108 sump
7/23/2020 7/33/2020 8/5/2020 8/13/2020 8/13/2020 8/15/2020 9/2/2020 9/15/2020 9/15/2020 10/25/2020 10/25/2020 10/25/2020 10/25/2020 11/41/2020 11/42/2020 11/42/2020 11/42/2020 11/42/2020 11/42/2020 11/42/2020 11/42/2020 11/42/2020 11/42/2020 12/42/2020	0 0 0 0 1 1 0 0 43 28 1 0 1 1 4 0 1 1 0 0 1 1 0 0 5 3 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	29.5 23 11 7 11 7 10 37 35 0 10 12 11 10.5 11 13 14 7 10.5 10 9 4 10.5 39	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9 7.5 3.5	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sump 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 8/5/2020 8/13/2020 8/13/2020 8/13/2020 9/2/2020 9/15/2020 9/15/2020 10/21/2020 10/21/2020 10/21/2020 10/21/2020 11/4/2020 11/4/2020 11/4/2020 11/28/2020 12/16/2021 12/31/2020 12/16/2021 12/31/2020 12/31/2020 12/31/2020 1/45/2021 1/45/2021 1/5/2021 1/5/2021 1/5/2021	0 0 0 1 1 0 0 0 43 28 1 1 0 0 1 1 4 4 0 9 0.5 3.5 7 2 5	29.5 23 111 7 10 37 37 35 0 10 12 11 13 12 14 7 10.5 10 9 4 10.5	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9 9 9 9 10 10 10 10 10 10 10 10 10 10	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump Less than 0.1 gal of DNAPL recovered B107/B108 sump Sumps 1, 2, & 3 pumped down
7/23/2020 7/23/2020 7/31/2020 8/5/2020 8/13/2020 8/19/2020 8/19/2020 9/2/2020 9/15/2020 10/32/2020 10/32/2020 10/32/2020 10/32/2020 10/32/2020 11/4/2020 11/4/2020 11/32/2020 11/23/2020 11/23/2020 11/23/2020 11/23/2020 11/23/2020 11/23/2020 11/23/2020 11/23/2020 11/23/2020 11/23/2020 11/23/2020	0 0 0 0 1 1 0 0 0 43 28 1 0 1 1 4 0 1 1 0 0 1 1 0 0 5 5 7 7 7 2 5 5 7 7 7 7 7 7 7 7 7 7 7 7	29.5 23 11 7 10 37 37 35 0 10 12 11 10.5 11 13 14 7 10.5 10 9 4 10 10 10 10 10 10 10 10 10	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9 7.5 3.5 9 37.5 33 30 30 29.5	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump Less than 0.1 gal of DNAPL recovered B107/B108 sump Sumps 1, 2, & 3 pumped down Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 7/33/2020 8/5/2020 8/19/2020 8/19/2020 8/19/2020 9/3/2020 9/3/2020 9/3/2020 10/23/2020 10/21/2020 10/21/2020 11/18/2020 11/18/2020 11/18/2020 11/18/2020 11/18/2020 11/23/2020 11/23/2020 11/23/2020 11/23/2020 11/23/2020 11/23/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020	0 0 0 0 1 1 0 0 0 43 28 1 1 0 0 1 1 0 0 9 0 0,5 3,5 7 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	29.5 23 111 7 10 37 37 35 0 10 12 11 13 12 11 13 14 7 10.5 10 9 4 10.5 39 4 31 30 27	22.5 10 5 10 6 9 38 36 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9 7.5 3.5 9 37.5 33 30 29.5 25.5	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Less than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered B107/B108 sump Sumps 1, 2, & 3 pumped down Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 7/33/2020 8/5/2020 8/13/2020 8/13/2020 8/13/2020 9/12/2020 9/15/2020 9/15/2020 10/23/2020 10/23/2020 10/23/2020 10/23/2020 11/43/2020 11/43/2020 11/43/2020 12/33/2020 12/33/2020 12/33/2020 12/33/2020 14/23/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021 14/25/2021	0 0 0 0 1 1 0 0 0 43 28 1 0 1 1 4 0 1 1 0 0 1 1 0 0 5 5 5 7 7 7 7 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9	29.5 23 11 7 10 37 35 0 10 12 11 10.5 11 13 14 7 10.5 10 13 14 7 10.5 10 10 10 17 10 17 10 18 19 19 4 10 10 10 10 10 10 10 10 10	22.5 10 5 10 6 9 38 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9 3.5 9 37.5 33 30 29.5 25.5	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump Less than 0.1 gal of DNAPL recovered B107/B108 sump Sumps 1, 2, & 3 pumped down Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 7/33/2020 8/5/2020 8/13/2020 8/13/2020 8/19/2020 9/2/2020 9/15/2020 10/8/2020 10/8/2020 10/8/2020 11/13/2020 11/14/2020 11/23/2020 11/13/2020 11/23/2020 12/23/2020 12/18/2020 12/23/2020 12/23/2020 12/23/2020 12/23/2020 12/23/2020 12/23/2020 12/23/2020 12/23/2020 12/23/2020 12/23/2020 12/23/2020 12/23/2020 12/23/2020 12/23/2020 12/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021	0 0 0 0 1 1 0 0 0 43 28 1 0 1 1 4 0 0 1 1 0 0 5 3 5 5 5 7 2 2 4 4 1 0 0 0 0 5 5 5 5 5 5 5 7 7 2 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 8 8 7 8 8 8 8 7 8	29.5 23 11 7 10 37 37 35 0 10 12 11 10.5 11 13 14 7 10.5 10 9 4 10.5 10 9 4 10.5 10 9 4 10.5 10 9 4 10.5 10 9 10 10 10 10 10 10 10 10	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9 7.5 3.5 9 9 7.5 3.6 3.7 9 9 9 9 9 9 9 9 9 9 9 9 9	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump Less than 0.1 gal of DNAPL recovered B107/B108 sump Sumps 1, 2, & 3 pumped down Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 7/33/2020 8/5/2020 8/13/2020 8/13/2020 8/13/2020 8/13/2020 9/12/2020 9/23/2020 9/30/2020 10/8/2020 10/8/2020 10/8/2020 10/15/2020 11/4/2020 11/4/2020 11/14/2020 11/13/2020 12/13/2020	0 0 0 0 1 1 0 0 0 43 28 1 0 0 1 1 0 0 9 9 0.5 3.5 7 7 2 2 5 4 4 4 4 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0	29.5 23 11 7 10 37 35 0 10 12 11 10.5 11 13 14 7 10.5 9 4 10.5 39 34 30 27 0 0 0	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9 7.5 3.5 9 37.5 33 30 29.5 5 0 9,5	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump Less than 0.1 gal of DNAPL recovered B107/B108 sump Sumps 1, 2, & 3 pumped down Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 7/33/2020 8/5/2020 8/13/2020 8/19/2020 8/19/2020 9/12/2020 9/15/2020 10/32/2020 10/32/2020 10/32/2020 10/32/2020 10/32/2020 11/47/2020 11/49/2020 11/49/2020 11/49/2020 11/49/2020 11/49/2020 11/49/2020 12/49/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/19/2020 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021 1/29/2021	0 0 0 0 1 1 0 0 0 43 28 1 0 1 1 4 0 0 1 1 0 0 5 3 5 5 5 7 2 2 4 4 1 0 0 0 0 5 5 5 5 5 5 5 7 7 2 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 8 8 7 8 8 8 8 7 8	29.5 23 11 7 10 37 37 35 0 10 12 11 10.5 11 13 14 7 10.5 10 9 4 10.5 10 9 4 10.5 10 9 4 10.5 10 9 4 10.5 10 9 10 10 10 10 10 10 10 10	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9 7.5 3.5 9 9 7.5 3.6 3.7 9 9 9 9 9 9 9 9 9 9 9 9 9	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Less than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered B107/B108 sump Sumps 1, 2, & 3 pumped down Sheen visible in B107/B108 sump
7/23/2020 7/33/2020 7/33/2020 8/5/2020 8/13/2020 8/13/2020 8/15/2020 9/12/2020 9/15/2020 9/15/2020 10/32/2020 10/32/2020 10/32/2020 10/32/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 11/4/2020 12/31/2020 12/31/2020 12/2021 1/22/2021 1/22/2021 1/23/2020 1/21/2021 1/23/2020 1/21/2021 1/21/2021 1/23/2020 1/21/2021 1/21/2021 1/21/2021 1/21/2021 1/21/2021 1/21/2021 1/21/2021 1/21/2021 1/21/2021 1/21/2021 1/21/2021 1/21/2021 1/21/2021	0 0 0 0 1 1 0 0 43 28 1 1 0 1 1 4 0 1 1 0 0 1 1 0 0 3 5 5 7 7 2 5 4 4 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	29.5 23 11 7 10 37 37 35 0 10 12 11 10.5 11 13 14 7 10.5 10 9 4 10.5 10 9 4 10.5 10 10 10 10 10 10 10 10 10	22.5 10 5 10 6 9 38 36 33 0 9 11.5 10.5 9.25 10 12 11 12 13.5 6 10 9 7.5 3.5 9 37.5 33 30 29.5 25.5 0 9.75	Not measurable	than 0.1 gal of DNAPL recovered B107/B108 sump Less than 0.1 gal of DNAPL recovered from B107/B108 Sump Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump Sheen visible in B107/B108 sump Less than 0.1 gal of DNAPL recovered B107/B108 sump Sumps 1, 2, & 3 pumped down Sheen visible in B107/B108 sump

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
4/8/2021	0	7.5	7	Not measurable	commence
					Less than 0.1 gal of DNAPL recovered B107/B108 sump;
4/14/2021	0	6.5	6	Not measurable	Sheen visible in B103/104 and B107/B108 sumps
4/21/2021	0.5	9	8.5	Not measurable	
4/28/2021	0	8.5	8	Not measurable	
5/5/2021	0	7.5 8	7.5	Not measurable	
5/12/2021 5/19/2021	0	0	0	Not measurable 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	Shoon visible in P102/104 and P107/P109 sumps
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	
					L
40/45/55		40			Sheen visible in B103/104 and B107/B108 sumps; brow
10/13/2021	3.6	10.56	9.72	Not measurable	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	10	22	21	Not measurable Not measurable	Sheen visible in B099/B100 sump
11/3/2021	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	
					Partial site inspection conducted 12/22/21; Sump
12/22/2021	-	-	-	Not Measured	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	Characteristic to page (page)
1/19/2022	13.5	17	16	Not measurable	Sheen visible in B099/B100 sump
1/27/2022	3	9	9	Not measurable	Measurements were not taken; the inspector was
2/2/2022	_	_	_	Not Measured	unable to open the sumps
2/9/2022	9	15	15	Not measurable	anable to open the samps
2/16/2022	8.5	17	16	Not measurable	
2/23/2022	5.5	14	13.5	Not measurable	
3/2/2022	5.5	15	14	Not measurable	
3/9/2022	4.5	7	6	Not measurable	
					Sumps 1,2, & 3 pumped down during inspection; less
3/16/2022	48	36	45	Not measurable	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	Characteristic in population
4/13/2022	4.5	18	15	Not measurable	Sheen visible in B099/B100 sump
4/20/2022	5 4.5	18 12	18 8.5	Not measurable	Sheen visible in B099/B100 sump
	1 4.5	12	8.5	Not measurable	Summs 1.2 & 3 numbed down during inspection: Chan-
4/27/2022					Sumps 1,2, & 3 pumped down during inspection; Shee
		42	0 5	Not measurable	visible in R099/R100 sump
5/4/2022	48	42	45	Not measurable	visible in B099/B100 sump Sheen visible in B099/B100, B103/104, and, B107/B108
5/4/2022		42 44.5		Not measurable Not measurable	
5/4/2022	48 16	44.5	44	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108
5/4/2022 5/11/2022 5/18/2022	48				Sheen visible in B099/B100, B103/104, and B107/B108
5/4/2022	48 16 6.5	44.5 45	44 45	Not measurable Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108
5/4/2022 5/11/2022 5/18/2022 5/25/2022	48 16 6.5 0	44.5 45 25	44 45 24	Not measurable Not measurable Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108
5/4/2022 5/11/2022 5/18/2022 5/25/2022 6/1/2022	48 16 6.5 0 5.5	44.5 45 25 24	44 45 24 24	Not measurable Not measurable Not measurable Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps
5/4/2022 5/11/2022 5/18/2022 5/25/2022 6/1/2022 6/8/2022 6/15/2022 6/22/2022	48 16 6.5 0 5.5 5 5	44.5 45 25 24 22 25 24	44 45 24 24 22 24 22	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps
5/4/2022 5/11/2022 5/18/2022 5/25/2022 6/1/2022 6/8/2022 6/15/2022 6/22/2022 6/29/2022	48 16 6.5 0 5.5 5 4.5 6	44.5 45 25 24 22 25 24 21	44 45 24 24 22 24 21 21	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps
5/4/2022 5/11/2022 5/18/2022 5/25/2022 6/12/022 6/15/2022 6/22/2022 6/29/2022 7/6/2022	48 16 6.5 0 5.5 5 5 4.5 6 5.5	44.5 45 25 24 22 25 24 21 13	44 45 24 24 22 24 21 21 13	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps
5/4/2022 5/11/2022 5/18/2022 5/25/2022 6/1/2022 6/8/2022 6/15/2022 6/22/2022 6/29/2022	48 16 6.5 0 5.5 5 4.5 6	44.5 45 25 24 22 25 24 21	44 45 24 24 22 24 21 21	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump
5/4/2022 5/11/2022 5/18/2022 5/25/2022 6/1/2022 6/15/2022 6/15/2022 6/22/2022 6/22/2022 7/6/2022 7/13/2022	48 16 6.5 0 5.5 5 4.5 6 5.5 5	44.5 45 25 24 22 25 24 21 13 15	44 45 24 22 22 24 21 21 13 14	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, & 3 pumped down during inspection; less
5/4/2022 5/11/2022 5/18/2022 5/25/2022 6/1/2022 6/15/2022 6/15/2022 6/22/2022 6/29/2022 7/6/2022 7/13/2022 7/20/2022	48 16 6.5 0 5.5 5 5 4.5 6 5.5 5 5 5 5 5 5 5 5 5 5 5 5 5	44.5 45 25 24 22 25 24 21 13 15	44 45 24 24 22 24 21 21 3 14 43.5	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump
5/4/2022 5/11/2022 5/18/2022 5/25/2022 6/12/2022 6/8/2022 6/25/2022 6/25/2022 7/6/2022 7/6/2022 7/20/2022 7/20/2022 7/27/2022	48 16 6.5 0 5.5 5 4.5 6 5.5,5 5 5 4.5 4.5	44.5 45 25 24 22 25 24 21 13 15	44 45 24 24 22 22 24 21 21 3 14 43.5	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, & 3 pumped down during inspection; less
5/4/2022 5/11/2022 5/18/2022 5/25/2022 6/12/2022 6/8/2022 6/15/2022 6/29/2022 7/6/2022 7/13/2022 8/3/2022 8/3/2022	48 16 6.5 0 5.5 5 4.5 6 5.5 5 4.5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	44.5 45 25 24 22 25 24 21 13 15 38 42	44 45 24 24 22 24 21 21 31 4 43.5 40 39	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump
5/4/2022 5/11/2022 5/18/2022 5/25/2022 6/12/2022 6/15/2022 6/15/2022 6/22/2022 7/6/2022 7/6/2022 7/27/2022 8/3/2022 8/10/2022	48 16 6.5 0 5.5 5 5 4.5 6 6 5.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	44.5 45 25 24 22 25 24 21 13 15 38 42 39 38	44 45 24 24 22 22 24 21 13 14 43.5 40 39 38	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, & 3 pumped down during inspection; less
5/4/2022 5/11/2022 5/18/2022 5/25/2022 6/12/2022 6/8/2022 6/15/2022 6/29/2022 7/6/2022 7/13/2022 8/3/2022 8/3/2022	48 16 6.5 0 5.5 5 4.5 6 5.5 5 4.5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	44.5 45 25 24 22 25 24 21 13 15 38 42	44 45 24 24 22 24 21 21 31 4 43.5 40 39	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump Sheen visible in B107/B108 sump
5/4/2022 5/11/2022 5/18/2022 5/18/2022 6/12/2022 6/15/2022 6/15/2022 6/22/2022 7/6/2022 7/6/2022 7/2022 7/2022 7/27/2022 8/3/2022 8/10/2022	48 16 6.5 0 5.5 5 5 4.5 6 6 5.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	44.5 45 25 24 22 25 24 21 13 15 38 42 39 38	44 45 24 24 22 22 24 21 13 14 43.5 40 39 38	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump Sheen visible in B107/B108 sump Inspector unable to open B099/B100 and B107/B108
5/4/2022 5/11/2022 5/18/2022 5/18/2022 6/15/2022 6/15/2022 6/15/2022 6/29/2022 7/6/2022 7/6/2022 7/20/2022 7/20/2022 8/3/2022 8/10/2022 8/17/2022	48 16 6.5 0 5.5 5 4.5 6 5.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	44.5 45 25 24 22 25 24 21 13 15 38 42 39 38 25.5	44 45 24 24 22 24 21 21 13 14 43.5 40 39 38 25	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump Sheen visible in B107/B108 sump Inspector unable to open B099/B100 and B107/B108 sumps as there was standing water on top of the sumps sumps as there was standing water on top of the sumps
5/4/2022 5/11/2022 5/18/2022 5/18/2022 6/12/2022 6/15/2022 6/15/2022 6/22/2022 7/6/2022 7/6/2022 7/2022 7/2022 7/27/2022 8/3/2022 8/10/2022	48 16 6.5 0 5.5 5 5 4.5 6 6 5.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	44.5 45 25 24 22 25 24 21 13 15 38 42 39 38	44 45 24 24 22 22 24 21 13 14 43.5 40 39 38	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump Sheen visible in B107/B108 sump Inspector unable to open B099/B100 and B107/B108 sumps as there was standing water on top of the sump due to ongoing rain event
5/4/2022 5/11/2022 5/11/2022 5/18/2022 5/25/2022 6/15/2022 6/15/2022 6/15/2022 7/6/2022 7/6/2022 7/20/2022 7/27/2022 8/3/2022 8/10/2022 8/17/2022	48 16 6.5 0 5.5 5 5 4.5 6 5.5 5 51.5 4 5 5.5 5 6 0	44.5 45 25 24 22 25 24 21 13 15 38 42 39 38 25.5	44 45 24 24 22 24 21 21 13 14 43.5 40 39 38 25	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, 8 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump Sheen visible in B107/B108 sump Inspector unable to open B099/B100 and B107/B108 sumps as there was standing water on top of the sump due to ongoing rain event Sumps 1,2, 8 3 pumped down during inspection; sheer
5/4/2022 5/11/2022 5/118/2022 5/15/2022 5/15/2022 6/8/2022 6/8/2022 7/6/2022 7/6/2022 7/20/2022 7/20/2022 8/31/2022 8/31/2022 8/31/2022	48 16 6.5 0 5.5 5 4.5 6 5.5 5 4.5 6 5.5 5 0 5 5 5 5 5 6 5 5 5 5 5 5 5 5 5 5 5	44.5 45 25 24 22 25 24 21 13 15 38 42 39 38 25.5	44 45 24 24 22 24 21 21 13 14 43.5 40 39 38 25	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump Sheen visible in B107/B108 sump Inspector unable to open B099/B100 and B107/B108 sumps as there was standing water on top of the sump due to ongoing rain event
5/4/2022 5/11/2022 5/18/2022 5/18/2022 5/18/2022 5/18/2022 6/18/2022 6/15/2022 7/13/2022 7/13/2022 8/3/2022 8/10/2022 8/10/2022 8/10/2022 8/10/2022 8/10/2022 8/3/2022	48 16 6.5 0 5.5 5 5 4.5 6 5.5 5 51.5 4 5 5.5 5 6 0	44.5 45 25 24 22 25 24 21 13 15 38 42 39 38 25.5	44 45 24 22 24 21 21 13 14 43.5 40 39 38 25	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump Sheen visible in B107/B108 sump Inspector unable to open B099/B100 and B107/B108 sumps as there was standing water on top of the sump due to ongoing rain event Sumps 1,2, & 3 pumped down during inspection; sheer visible in B103/B104 sump
\$/4/2022 \$/11/2022 \$/11/2022 \$/18/2022 \$/25/2022 \$/8/2022 \$/8/2022 \$/29/2022 \$/6/2022 \$/6/2022 \$/19/2022 \$/19/2022 \$/29/2022 \$/29/2022 \$/29/2022 \$/29/2022 \$/2	48 16 6.5 0 5.5 5 5 4.5 6 5.5 5 5 5.5 5 0 0 5.5 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	44.5 45 45 25 24 22 25 24 21 13 15 38 42 39 38 25.5	44 45 24 22 24 21 21 21 13 14 43.5 40 39 38 25	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps Sheen visible in B099/B100 and B103/104 sumps Sheen visible in B099/B100 sump Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump Sheen visible in B107/B108 sump Inspector unable to open B099/B100 and B107/B108 sumps as there was standing water on top of the sum due to ongoing rain event Sumps 1,2, & 3 pumped down during inspection; sheet

Note: Freeboard in sumps is measured as depth to water from top rim of sump, measured in inches $\ensuremath{\mathsf{Note}}$



ATTACHMENT A

Weekly Inspection Photolog



Client Name:

Union Pacific Railroad

Photo No.

Inspection Date: 9/07/2022

Description:

Stall A011, a small amount of tar-like material at a crack in the asphalt pavement, material was removed.

Lat: 29.785392, Long: -95.318655 Site Location: Project No.
Englewood Intermodal Yard, Houston, Texas 19119232



Photo No.

Inspection Date: 9/07/2022

Description:

Stall A022, a small amount of tar-like material at a crack in the asphalt pavement, material was removed.

Lat: 29.785392, Long: -95.318655





Project No.

19119232

Client Name:

Union Pacific Railroad

Photo No.

Inspection Date: 9/07/2022

Description:

Stall B101, very small amount of tar-like material at a crack in the asphalt pavement, material was removed.

Lat: 29.784275 Long: - 95.320813





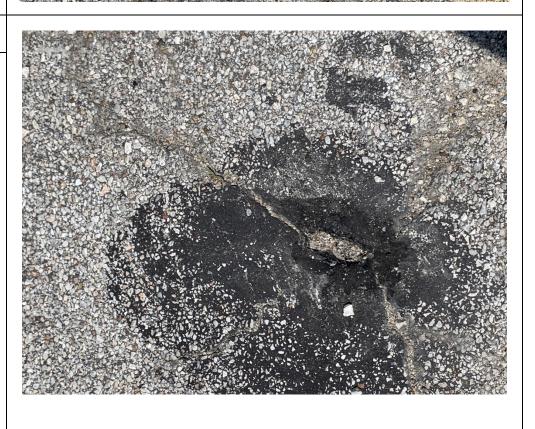
Photo No.

Inspection Date: 9/07/2022

Description:

Stall B105, a small amount of tar-like material in pavement area, material was removed.

Lat: 29.784236, Long: -95.320939





Client Name:

Union Pacific Railroad

Inspection Date: 9/07/2022

Description:

Photo No.

Stall B107, view of NAPL Collection System (Sump B107/B108), a small amount of tar-like material at concrete joint along the southern edge of the excavated area. Material was removed. Looking north.

Lat: 29.784156 Long: -95.320953 Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No. 19119232



Photo No.

Inspection Date: 9/07/2022

Description:

Sump 1 (B099/B100), 3 inches of freeboard in sump, no odor or sheen noted.

Lat: 29.7844000 Long: - 95.3205861





Client Name:

Union Pacific Railroad

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 9/07/2022

Description:

Sump 2 (B103/B104), 37 inches of freeboard. No sheen or odor noted.

Lat: 29.7842861 Long: - 95.3208611



Photo No.

Inspection Date: 9/07/2022

Description:

Sump 3 (B107/B108), 37 inches of freeboard in sump. No sheen or odor noted.

Lat: 29.784172 Long: -95.320998





Union Pacific Railroad

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 09/14/2022

Description:

North side of Track 802 where medium amount of tar-like material seep observed near track. Material was removed.

Lat: 29.784947 Long: -95.321214



Photo No.

Inspection Date: 09/14/2022

Description:

Stall B056, a small amount of tarlike material at a crack in the asphalt pavement, material was removed.

Lat: 29.7847472 Long: - 95.3195417





Union Pacific Railroad

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 09/14/2022

Description:

Stall B057, very small amount of tar-like material at historical seep location in asphalt cracks, no seeps observed where nearby test pit was conducted (July 2020), material was removed.

Lat: 29.7847472 Long: - 95.3195417



Photo No.

Inspection Date: 09/14/2022

Description:

Stall B102, small amount of tarlike material observed within concrete joint, residual staining on concrete surface noted.

Lat: 29.7842203 Long: - 95.320827





Union Pacific Railroad

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 09/14/2022

Description:

Sump 1 (B099/B100), NAPL accumulation noted on the bottom of the inflow protector, material was removed. No NAPL recovered from within sump.

Lat: 29.7844000 Long: - 95.3205861



Photo No.

Inspection Date: 09/14/2022

Description:

Sump 1 (B099/B100), 1 inch of freeboard in sump. Sheen noted on the water surface. No odor noted.

Lat: 29.7844000 Long: - 95.3205861



WSD GOLDER

Client Name:

Union Pacific Railroad

Englewood Intermodal Yard, Houston, Texas

Site Location:

Project No. 19119232

Photo No.

Inspection Date: 09/14/2022

Description:

Sump 2 (B103/B104), 34 inches of freeboard in sump. No sheen or odor noted.

Lat: 29.7842861 Long: - 95.3208611



Photo No.

Inspection Date: 09/14/2022

Description:

Sump 3 (B107/B108), 31 inches of freeboard in sump. No sheen or odor noted.

Lat: 29.784172 Long: -95.320998





Union Pacific Railroad

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 09/21/2022

Description:

Stall A011, a small amount of tar-like material at a crack in the asphalt pavement at the center of the stall (in front of the traffic cone), material was removed, looking south.

Lat: 29.785392, Long: -95.318655

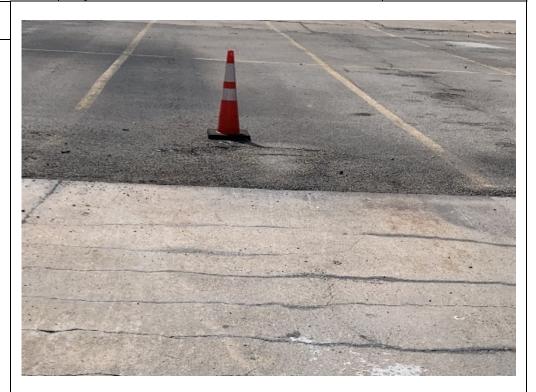


Photo No. 18

Inspection Date: 09/21/2022

Description:

Stall A022, a small amount of tar-like material at a crack in the asphalt pavement, material was removed.

Lat: 29.785392, Long: -95.318655





Union Pacific Railroad

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 09/21/2022

Description:

Stall B101, very small amount of tar-like material at a crack in the asphalt pavement (center of the photo), material was removed, looking north.

Lat: 29.784275 Long: - 95.320813



Photo No. 20

Inspection Date: 09/21/2022

Description:

Stall B105, a very small amount of tar-like material in pavement area, material was removed.

Lat: 29.784236, Long: -95.320939





Client Name:

Union Pacific Railroad

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No. 21

Inspection Date: 09/21/2022

Description:

Stall B107, a small amount of tar-like material at concrete joint along the southern edge of the excavated area. Material was removed.

Lat: 29.784156 Long: -95.320953



Photo No. 22

Inspection Date: 09/21/2022

Description:

Sump 1 (B099/B100), 2.2 inches of freeboard in sump. No sheen or odor noted.

Lat: 29.7844000 Long: - 95.3205861





Client Name:

Union Pacific Railroad

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No. 23

Inspection Date: 09/21/2022

Description:

Stall B104, view of NAPL Collection System, Sump 2 (B103/B104), 25.5 inches of freeboard in sump. No sheen or odor noted.

Lat: 29.7842861 Long: - 95.3208611

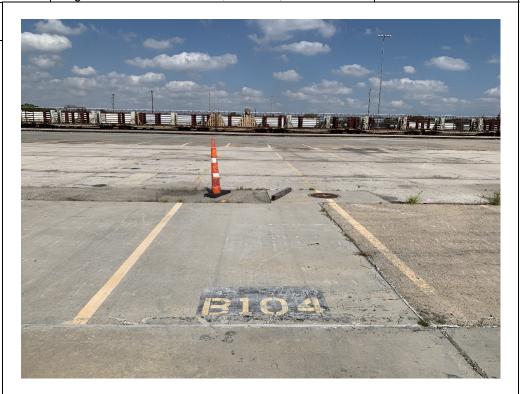


Photo No. 24

Inspection Date: 09/21/2022

Description:

Sump 3 (B107/B108), 27.5 inches of freeboard in sump. Sheen noted on the water surface. No odor noted.

Lat: 29.784172 Long: -95.320998





Client Name:

Union Pacific Railroad

Site Location:Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No. 25

Inspection Date: 09/28/2022

Description:

Stall B056, a very small amount of tar-like material at a crack in the asphalt pavement, material was removed.

Lat: 29.7847472 Long: - 95.3195417



Photo No. 26

Inspection Date: 09/28/2022

Description:

Stall B057, very small amount of tar-like material at historical seep location in asphalt cracks along western stall boundary, no seeps observed where nearby test pit was conducted (July 2020), material was removed, looking northwest.

Lat: 29.7847472 Long: - 95.3195417





Client Name:

Union Pacific Railroad

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No. 27

Inspection Date: 09/28/2022

Description:

Stall B096, small amount of tarlike material observed near historical seep location along concrete joint adjacent to July 2020 test pit.

Lat: 29.7842528 Long: - 95.3206250



Photo No. 28

Inspection Date: 09/28/2022

Description:

Stall B102, small amount of tarlike material observed within joint, residual staining on concrete surface noted, material was removed, looking northwest.

Lat: 29.7842203 Long: - 95.320827





Client Name:

Union Pacific Railroad

Site Location:Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No. 29

Inspection Date: 09/28/2022

Description:

Stall B102, small amount of tarlike material observed asphalt crack near center of stall, material was removed.

Lat: 29.7842203 Long: - 95.320827



Photo No. 30

Inspection Date: 09/28/2022

Description:

Sump 1 (B099/B100), 3 inches of freeboard in sump. Sheen noted on the water surface. No odor noted.

Lat: 29.7844000 Long: - 95.3205861





Project No.

19119232

Client Name:

Union Pacific Railroad

Photo No.

Inspection Date: 09/28/2022

Description:

Sump 1 (B099/B100), no notable NAPL accumulation noted on the bottom of the inflow protector after the material was removed during the 9/14/2022 inspection.

Lat: 29.7844000 Long: - 95.3205861

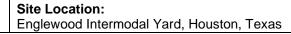




Photo No. 32

Inspection Date: 09/28/2022

Description:

Sump 3 (B107/B108), 31 inches of freeboard in sump. Sheen noted on the water surface. No odor noted.

Lat: 29.784172 Long: -95.320998





Client Name:

Union Pacific Railroad

Site Location:

Englewood Intermodal Yard, Houston, Texas

Project No. 19119232

Photo No. 33

Inspection Date: 09/28/2022

Description:

Right of way by Track 802. Small amount of tar-like material near track, material was removed.

Lat: 29.784947 Long: -95.321214



Photo No. 34

Inspection Date: 09/28/2022

Description:

New seep location observed within the concrete road area (RD-14) north of Track 802 (East of existing Track 802 seep location), moderate amount of tar-like material observed along a concrete joint, material was removed.

Lat: 29.78505 Long: -95.32124





ATTACHMENT B

Waste Disposal Manifests

	11	NON-HAZARDOUS 1. Generator ID Number 2. P	age I of 3. Eme	rgency Respons	e Phone	4. Waste To	acking Nu	mber I
1 I L		NON-HAZARDOUS NASTE MANIFEST TYP-000820266		877-7267		WR	DBI	22-8.31.22
	5. Ge	enerators Name and Mailing Address Joion Pacific Railroad (UPRR 10/0 GHD Services, Inc.	eiving Genera	alor's Site Addres	s (il dillerent	than mailing addre		
		is 20 Corporate Drive		urt Vällisyille l	Rd.			
	ln	ndianapolis IN 46278		iton TX 77				
4 I b-		erator's Phone: 4 0 명 및 공국 5 명리 및 ransporter 1 Company Name		······································		U.S. EPA ID	Mimber	
	0. 11d	SORCE CAN GOTTICES				_		PISFES
	7. Tra	ransporter 2 Company Name				U.S. EPA ID		
	8. <u>De</u> s	esignated Facility Name and Site Address Delta Water Processing LLC			······································	U.S. EPA ID	Number	
		Jeka waker mrocessing LLC 1851! Beaumont Hwy						
	H	Houston TX 77049				1 - 4 -	.	
-	Facilit	Ility's Phone: 281 404-4423		10.00-1		T X 9		
		9. Waste Shipping Name and Description		10. Cont	Type	11. Total Quantity	12. Unit Wt./Vol.	
		Won Regulated Non Hazardous		110.	1,750			
TOR		Hydrocartion Water		1		5000	<u>.</u>	NONE
ERA				\	77	5	Ğ	
GENERATOR		2.						
Ĭ	•;						[
		3,	·	<u> </u>	 			
	• ·	, J.,						
		4,						
						<u> </u>		
	اع ، 3	Special Handling Instructions and Additional Information (1) 小尺# 0081227 仁臣 0	1A0103F					
	S	Job" ad1221						
					-	TD-PD	aar	ンハン
	14. G	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consi	ionment are fully	and accurately de				
	m	marked and labeled/placarded, and are in all respects in proper condition for transport according	g to applicable int	emational and na	tional govern	mental regulations	,	
		raniaze/Miaraze Bioled/Tunad Nama	Şignature				····	
# Y	•	aprator's/Offeror's Printed/Typed Name		Λ	المراك		<u> </u>	Month Day Year
		Jephanie Wood		rephane	<u> </u>			Month Day Year 8 3\ 72
NT'L	15. ln	International Shipments Import to U.S. Exp	port from U.S.	Port of 6	entry/exit:			· • · • · • · •
INI	15. In	Jephanie Wood		Port of 6	<u> </u>			· • · • · • · •
INI	15. In	International Shipments Import to U.S. Exposter Signature (for exports only):		Port of 6	entry/exit:			8 3\ 72 Month Day Year
INI	15. In Trans 16. T	International Shipments Import to U.S. Exposter Signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed/Typed Name Charles The Company of	port from U.S. Signature	Port of 6	entry/exit:			8 3\ 72 Month Day Year 8 3\ 22
INI	15. In Trans 16. T	International Shipments Import to U.S. Exposter Signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed/Typed Name	port from U.S.	Port of 6	entry/exit:			8 3\ 72 Month Day Year
TRANSPORTER INT'L	15. In Trans 16. T Trans	International Shipments Import to U.S. Insporter Signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed/Typed Name Charles Printed/Typed Name	port from U.S. Signature	Port of 6	entry/exit:			8 3\ 72 Month Day Year 8 3\ 22
IN	15. in Trans 16. T Trans 17. D	International Shipments Import to U.S. Exposter Signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed/Typed Name Discrepancy Discrepancy Discrepancy Indication Space	port from U.S. Signature	Port of 6 Date 188	entry/exit:			8 3\ 72 8 3\ 22 Month Day Year
IN	15. in Trans 16. T Trans 17. D	International Shipments Import to U.S. Insporter Signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed/Typed Name Charles Printed/Typed Name	port from U.S. Signature	Port of 6	entry/exit:	Partial Re		8 3\ 72 Month Day Year 8 3\ 22
IN	15. in Trans 16. T Trans 17. D	International Shipments Import to U.S. Exposter Signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed/Typed Name Discrepancy Discrepancy Discrepancy Indication Space	Signature Signature	Port of 6 Date 188	antry/exit:	Partial Re		8 3\ 72 8 3\ 22 Month Day Year
IN	15. In Trans 16. T Trans 17. D 17a.	International Shipments Import to U.S. Exposter Signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed/Typed Name Discrepancy Discrepancy Discrepancy Indication Space	Signature Signature	Port of e Date lea	antry/exit:	Partial Re	jection	Month Day Year S 31 22 Month Day Year Day Year
CILITY TRANSPORTER INT	15. In Trans 16. T Trans 17. D 17a.	International Shipments Import to U.S. Expressions Expressions Import to U.S. Expressions Import to U.S. Import to U.S. Importer Signature (for exports only): Transporter Acknowledgment of Receipt of Materials Importer 1 Printed/Typed Name Importer 2 Printed/Typed Name Importer 2 Printed/Typed Name Importer 2 Printed/Typed Name Import to U.S. Import to U.S. Importer 2 Printed/Typed Name Import to U.S. Importer 2 Printed/Typed Name Import to U.S. Import to U.S. Importer 2 Printed/Typed Name Import to U.S. Import to U.S. Importer 2 Printed/Typed Name Import to U.S. Import to U.S. Importer 2 Printed/Typed Name Import to U.S. Import to U.S. Importer 2 Printed/Typed Name Import to U.S. Im	Signature Signature	Port of e Date lea	antry/exit:		jection	Month Day Year S 31 22 Month Day Year Day Year
FACILITY - TRANSPORTER INT	15. In Trans 16. T Trans 17. D 17a.	International Shipments Import to U.S. Exporter Signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed/Typed Name Discrepancy Insporter 2 Printed/Typed Name Discrepancy Indication Space Quantity Type Alternate Facility (or Generator)	Signature Signature	Port of e Date lea	antry/exit:		jection	Month Day Year S 31 22 Month Day Year Full Rejection
CILITY TRANSPORTER INT	15. In Trans 16. T Trans 17. D 17a.	International Shipments	Signature Signature	Port of e Date lea	antry/exit:		jection	Month Day Year S 31 22 Month Day Year Day Year
IGNATED FACILITY TRANSPORTER INT	15. In Trans 16. T Trans 17. D 17a.	International Shipments Import to U.S. Exporter Signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed/Typed Name Discrepancy Insporter 2 Printed/Typed Name Discrepancy Indication Space Quantity Type Alternate Facility (or Generator)	Signature Signature	Port of e Date lea	antry/exit:		jection	Month Day Year S 31 22 Month Day Year Full Rejection
FACILITY - TRANSPORTER INT	15. In Trans 16. T Trans 17. D 17a.	International Shipments Import to U.S. Exporter Signature (for exports only): Transporter Acknowledgment of Receipt of Materials Insporter 1 Printed/Typed Name Discrepancy Insporter 2 Printed/Typed Name Discrepancy Indication Space Quantity Type Alternate Facility (or Generator)	Signature Signature	Port of e Date lea	antry/exit:		jection	Month Day Year S 31 22 Month Day Year Full Rejection
IGNATED FACILITY TRANSPORTER INT	15. In Trans 16. T Trans 17. D 17a.	International Shipments	Signature M	Port of a Date less Anifest Reference	antry/exit:		jection	Month Day Year S 31 22 Month Day Year Full Rejection
— DESIGNATED FACILITY TRANSPORTER INT	15. In Trans 16. T Trans 17. C 17a. 17b. Facil 17c.	International Shipments	Signature Signature M	Port of e Date les anifest Reference led in Item 7a	antry/exit:		jection	Month Day Year S 3\ 22 Month Day Year Full Rejection Month Day Year
IGNATED FACILITY TRANSPORTER INT	15. In Trans 16. T Trans 17. C 17a. 17b. Facil 17c.	International Shipments	Signature M	Port of e Date les anifest Reference led in Item 7a	antry/exit:		jection	Month Day Year S 31 22 Month Day Year Full Rejection

·			1 4 0 1 - 10 14	(hir)		0.0	(all o Em	acanana Onegona	o Phone	d Woote Te	aekina Mu	nhor		
		ON-HAZARDOUS	t: Generator ID Nun	nbe	- 21-1-2			ergency Respons 877-7287	e Phone	4. Wasto Tra	ACKILIS AND	100 A -	.6.31	22
		ASTE MANIFEST	TXDBOG	ת מסג	Darele				a fil dillarant	then mailing adden	100 ()	10V		UV
{	5. Ge 11	nerator's Name and Ma വിവധ ജിയവിട്ട ജയ	illing Address	c/n GHD 5	Att Manif Services Ind	est Receivi	ng Gener		is (ii ometent	than mailing addre	155)			
		520 Corporate D		Comment of the commen	mar 4 200 0 1 1 1 1 1	.	5500	Vallisville	Rd.					
		dianapolis IM						ston TX 77						
		rator's Phone: A		- 584	5					······································	·····			
	3, Ica	usporter 1 Company N	ame							U.S. EPA ID I	Number	0140	A 11	200 E
	-	pare (Jitu S	1V40	CES					IXKt) D D()	2847	187	
	7. Tre	in porter 2 Company N	ame)* *					··	U.S. EPA ID		•		
			•	•										
1	3. De	signated Facility Name	and Site Address	*** 						U.S. EPA ID	Number			
		elta Water Proc	essing LLC.											
		8511 Beaumont	•											X SECUL
		ouston TX 779								TXS	7 7	7 7		
	acili	ly's Phone: 281 <	1114 - 44 7/3					10. Con	lainers	1	<u> </u>	<u> </u>		
		9. Waste Shipping Na	ame and Description					No.	Туре	11. Total Quantity	12. Unit Wt./Vol.			
		• 4						1404	type		111111111111		· • • · · · · · · · · · · · · · · · · ·	
		· I	ed Non Hazardo	U5				,				NONE	<u>:</u> .,,	
-		Hydrocarbon	V\bter					•	77	5.000	G			
_						4			+ 1	13,000	10	<u> </u>		
		2.												
	•	1										1		
	<u> </u>											<u> </u>		
		3.												
	,	<u> </u>									-			
-		4.				· · · · · · · · · · · · · · · · · · ·								
														5.3 5.7 7.3 7.3
+	13. 8	I Soecial Handling Instruc	tions and Additional Info	emalion	4\\&@\\\\\\	19971 EGAI	71000							
	7	00 A 2212	tions and Additional Info		1) VVR#0081	(YY) FEMA	u ruor							
	V		,											
									01.4	0000	-			
						·		10-	LIO.	22011	20			
	14. (GENERATOR'S/OFFE	ROR'S CERTIFICATION	: I hereby decla	are that the conten	is of this consign	ment are fully	and accurately d	lescribed above	ve by the proper st	nan gniqqir	ie, and are cla	ssilied, package	ed,
			carded, and are in all res	specis in proper	r condition for trans	sport according to		**************************************	allonal govern	mental regulations	>. 	Мо	nth Day	Year
	Gen	arajor's/Olferor's Printe					Signature	6 A 1000	حالمن			i L	nih Day 7 1 2 1 i	1001
	(Jephani	e ma					POPICE	ue vo	uu	····	* C)] [4
	15. 1	ntemational Shipments	Import to	U.S.		Export	from U.S.	Port of	entry/exit:		·	····	·····	·
	Tran	sporter Signature (lot e	•						aving U.S.:	<u></u>				
†			gment of Receipt of Mate	erials										
TO T		sporter 1 Printed/Type					Signature	1 1 -	. (۸ . /		Mo	oth Day	Year
5		- Lian	nliato				1	· Line	· ` `	The to		16	31	22
ţ		sporter 2 Printed/Type	d Name			·	Signature				<u> </u>	Мо	nlh Day	Year
	*****	opono. o i milo a i ypa	- • • • • • • • • • • • • • • • • • • •				4					i		
-	(T)	Oigaranagas				· · · · · · · · · · · · · · · · · · ·	<u> </u>				 			
		Discrepancy Indication	Snaco r		; ——		<u></u>			l	<u></u>			
	1/3	. Discrepancy Indication	Quanti	ity		Туре		Residue		Partial Re	ejection	L	Full Rejecti	lion
		Aph one also a	\		·····		1	Manilest Referenc	e Number:	U.S. EPA ID	Number		<u>.</u>	
<u>-</u>	17b	, Alternate Facility (or G	renerator)							O.G. CEN IN	- Tunnuc)		-	
֡֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓									•	1				
2		ility's Phone:			<u></u>							144	oth Day	Year
	17c	. Signature of Alternate	Facility (or Generalor)				i					l Mag	nth Day I I	1 (100)
AN					***					· · · · · · · · · · · · · · · · · · ·		<u> </u>		<u> </u>
SEC														
H H														
													·	
	18.	Designated Facility Ov	her or Operator: Certifica	ation of receipt	of materials covere	ed by the maniles	t except as n	oted in Item 17a	01					
	'**			.//			Signalur		11/	/_		Mo	nih Day	Year
	<u> </u>	nled/Typed Name	1 11	, , ,				,	V //					. —