

April 13, 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 March 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 March 2022 (photographs from the weekly inspections are provided in Attachment A):

• During the March 9, 2022 inspection, the water levels in NAPL Collection System Sump 1 (B099/B100 stalls), Sump 2 (B103/B104 stalls), and Sump 3 (B107/B108 stalls) were at 4.5 inches, 7 inches, and 6 inches below the top of the sumps, respectively. UPRR remediation contractor OMI Environmental Solutions conducted a pump down of the sumps on March 16, 2022 (Photos No. 21 through 23). Approximately 10,000 gallons total was removed from the sumps for disposal at Delta Water Processing. The final waste manifests are provided in Attachment B. Immediately following the pump down, water levels in Sumps 1, 2, and 3 were 48 inches, 36 inches, and 45 inches below the top of the sumps, respectively. By the March 23, 2022 inspection levels in Sumps 1, 2, and 3 increased to 6 inches, 29 inches, and 28 inches below the top of the sumps, respectively, and remained there through the March 30, 2022 inspection. Weekly water levels for the sumps are provided on Table 1. The water in the sumps was observed as being brown in color. No sheens or odors were reported during the March inspections. Photos of the sumps during the weekly inspections are provided in Attachment A.

- 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 in the sumps using the interface probe through March 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 March. Approximately 0.45 gallons of tar-like material was recovered from Sump 3 during the pump down event on March 16, 2022 (Photo No. 24). 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.
- On March 13, 2022, a small amount of tar-like material was observed on the concrete surface in Stall B105
 near the NAPL Collection System. For areas outside the NAPL Collection System, a small amount of tar-like
 material was observed on the concrete surface at the following location during the March 2022 weekly
 inspections:

Seep Observations Outside the NAPL Collection System Area					
Stall Number	Observation Date(s)				
A011	March 13th (Photo No. 13)				
A022	March 13th (Photo No. 14)				
B013	March 13th (Photo No. 15)				
B056	March 13 th (Photo No. 16)*				
B057	March 13th (Photo No. 17)				
B101	March 13th (Photo No. 18)				
B102	March 9 th and 13 th (Photos No. 9 and 19)				

^{*} Indicates first recorded observance of a NAPL seep at that location

Tar-like material observed during the inspection events was recovered using a hand tool to scrape up the material. During March, the number of tar-like material seeps observed during inspections and the total amount of material removed from the concrete surface increased compared to the February weekly inspections. Less than 0.75 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. Residual track marks were observed during the March inspections (Photos No. 9 and 19); however, no new track marks were observed during the month of March 2022.

 No brown water surface seeping or staining was observed during March. Residual staining on the asphalt surface following the pressure washing conducted in May 2021 was observed. However, no additional surface

(S) GOLDER

staining was observed in March. 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. Through March 2022, no NAPL seeps have been observed at the seven test pit locations (stalls A010, A021, A098, B013, B057, B096, and B108). The seeps observed in slots B013 and B057 during the inspection on March 16, 2022 are located in asphalt cracks (Photo Nos. 15 and 17), not at the test pit locations.
- 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.

Principal / Program Leader

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



TABLE

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

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments				
8/14/2019	2.5	28	29	Not measurable					
8/21/2019	0	27.5	26.5	Not measurable	<u></u>				
8/28/2019 9/4/2019	44.5 19	47.9 42	45 41.5	Not measurable Not measurable	Water from sumps pumped out				
9/13/2019	0	39.5	38	Not measurable					
9/20/2019	0	33.3	2.5	Not measurable					
9/25/2019	0	42	42.5	Not measurable	Water from sumps pumped out				
	2.5	42.5	42	Not measurable	Sheen visible in B107/B108 sump, less than 0.1 gal of DNAPL recovered				
10/2/2019	3	42.5	41.5	Not measurable	Sheen visible in B107/B108 sump, less than 0.1 gal of DNAPL recovered				
10/16/2019	0	39.5	39	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump				
10/10/2019	3	35.3	25	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump				
10/29/2019	0	24	23	Not measurable	Water from sumps pumped out				
10/30/2019	0	40	39	Not measurable	Slight sheen visible in B107/B108 sump				
11/6/2019	9	39	38.5	Not measurable	, ,				
11/13/2019	7	30	29	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump				
11/19/2019	4	26	25.5	Not measurable	Jamp				
11/27/2019	0	25	23	Not measurable					
12/3/2019	2	25.5	25	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump				
12/11/2019	1.5	17	16.54	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump				
12/11/2019		19.5	17.5	Not measurable	P				
12/23/2019		21	20.5	Not measurable					
1/7/2020		13	12.5	Not measurable					
1/8/2020		13	12.5	Not measurable	Water from sumps pumped out				
1/17/2020		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	Not measurable					
2/18/2020		11.5	10.25	Not measurable	Water from sumps pumped out on 2/20/2020				
2/27/2020		42 36	36 36	Not measurable Not measurable					
3/6/2020 3/11/2020	2	36	35.5	Not measurable					
3/11/2020		35.5	35.5	Not measurable					
3/27/2020	0	29	28	Not measurable					
4/3/2020	1.5	29	28.5	Not measurable					
4/8/2020	0	23	22	Not measurable					
4/15/2020	0.5	23	22	Not measurable					
4/21/2020	0	21	21	Not measurable					
4/28/2020	0	23	22	Not measurable					
5/4/2020		-	-	Not Measured	Measurements were not taken; the inspector was unable to open the sumps				
5/12/2020		20	19	Not measurable	Comment and design (Mary 22 and)				
5/19/2020		15.75	14.25	Not measurable	Sump 1 pumped down (May 22nd)				
5/27/2020 6/1/2020	0	14 7	13 5	Not measurable Not measurable					
6/10/2020	0	10	9	Not measurable					
6/17/2020		12	11	Not measurable					
6/25/2020		0	0	Not measurable					
6/30/2020		0	0	Not measured					
7/1/2020	48	46	47	Not measurable	Sumps 1, 2, & 3 pumped down				
7/8/2020	34	24.5	24	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump				
7/15/2020	32	29.5	29	Not measurable	Sheen visible in B99/B100 sump & B107/B108 sump, less than 0.1 gal of DNAPL recovered B107/B108 sump 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 8/26/2020	0	7 10	6 9	Not measurable Not measurable					
8/20/2020		10	9	Not measurable	Sumps 1, 2, & 3 pumped down (September 1); Sheen				
9/2/2020		37	38	Not measurable	visible in B99/B100 sump & B107/B108 sump				
9/9/2020	28	37	36	Not measurable	Sheen visible in B107/B108 sump				
9/15/2020	1	35	33	Not measurable					
9/23/2020		0	0	Not measurable					
9/30/2020		10	9	Not measurable					
10/8/2020	4	12	11.5	Not measurable					
10/15/2020		11	10.5	Not measurable	Less than 0.1 gal of DNAPL recovered B107/B108 sump				
10/21/2020		10.5	9.25	Not measurable					
10/28/2020		11	10	Not measurable					
11/4/2020 11/11/2020	9 0.5	13 12	12 11	Not measurable Not measurable	 				
11/11/2020	3.5	13	12	Not measurable	1				
TT/ TO/ / 1/1	5.5								
11/24/2020	7	14	13.5	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	Comments
12/10/2020		10.5	10	Not measurable	
12/18/2020	4	10	9	Not measurable	
12/23/2020	1	9	7.5	Not measurable	
12/31/2020	0	4	3.5	Not measurable	
1/6/2021	4	10.5	9	Not measurable	
1/15/2021	43	39	37.5	Not measurable	Sumps 1, 2, & 3 pumped down
1/22/2021	0	34	33	Not measurable	Sheen visible in B107/B108 sump
1/29/2021	2	31	30	Not measurable	Sheen visible in B107/B108 sump
2/4/2021	4	30 27	29.5 25.5	Not measurable Not measurable	Sheen visible in B099/B100 sump
2/10/2021 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	Company 1.2. 0.2 more and decome
5/27/2021	41	32	26	Not measurable	Sumps 1,2, & 3 pumped down Sheen visible in B107/108 sump
6/2/2021 6/9/2021	0	40 30	38 28.5	Not measurable Not measurable	Sheen visible in B107/108 sump
6/16/2021	0	24	25	Not measurable	
6/23/2021	0	12	13	Not measurable	
6/30/2021	0	3	1	Not measurable	
7/7/2021	0	0	0	Not measurable	
7/14/2021	0	0	0	Not measurable	Sumps 1,2, & 3 pumped down (July 15)
7/21/2021	0	39	37	Not measurable	
7/29/2021	0	37	35.5	Not measurable	
8/4/2021	0	36	34	Not measurable	Sheen visible in B103/104 and B107/B108 sumps
8/11/2021	0	33	32	Not Measured	Depth to DNAPL measurements were not taken; the interface probe was not functioning properly
8/18/2021	0	25	23	Not measurable	
8/25/2021 9/1/2021	0	20 20	22 17	Not measurable Not measurable	
9/8/2021	3	14	11	Not measurable	
9/15/2021	0	3	4	Not measurable	Sumps 1,2, & 3 pumped down (September 17)
9/22/2021	31.5	46	46	Not measurable	Sheen visible in B107/B108 sump
9/29/2021	0	29	30.75	Not measurable	Sheen visible in B103/104 and B107/B108 sumps
10/7/2021	6	18	17.5	Not measurable	
10/12/2021	2.6	10.50	0.72	Not more surplie	Sheen visible in B103/104 and B107/B108 sumps; brown discoloration and slight odor noted B099/B100
10/13/2021 10/20/2021	3.6 0	10.56 13.94	9.72 12.6	Not measurable Not measurable	Sumps 1,2, & 3 pumped down (October 21)
10/20/2021	0	22	21	Not measurable	Sheen visible in B099/B100 sump
11/3/2021	10	20	21	Not measurable	22
11/10/2021	12	16	15	Not measurable	
11/17/2021	8	16	15	Not measurable	
11/24/2021	7	14	13	Not measurable	
12/1/2021	7	15	14	Not measurable	
12/8/2021	6	12.5	12	Not measurable	
12/15/2021	7	15	15	Not measurable	
					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	Chang visible in DOOG/DAGG
1/19/2022	13.5	17	16	Not measurable	Sheen visible in B099/B100 sump
1/27/2022	3	9	9	Not measurable	Magguraments were not taken; the inspector was
2/2/2022 2/9/2022	- 9	- 15	- 15	Not Measured Not measurable	Measurements were not taken; the inspector was unable to open the sumps
2/9/2022	8.5	15	16	Not measurable 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	
5, 5, 2022		<u> </u>	Ť		
3/16/2022	48	36	45	Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.5 gal of DNAPL recovered B107/B108 sump
3/23/2022	6	29	28	Not measurable	<u> </u>
	5.5	28	28	Not measurable	

Note:

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



ATTACHMENT A

Weekly Inspection Photolog



Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 3/2/2022

Description:

Slots A010, no tar-like material seeps observed where test pit conducted (July 2020), looking southwest.

Lat: 29.785392, Long: -95.318655



Photo No.

Inspection Date: 3/2/2022

Description:

Slot B013, no active tar-like material seeps observed at historical seep location or where test pit conducted (July 2020), looking northeast.

Lat: 29.785217 Long: - 95.318261





Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 3/2/2022

Description:

Slot B057, no active tar-like material seeps observed at historical seep location or where test pit conducted (July 2020), looking north.

Lat: 29.7847472 Long: - 95.3195417



Photo No.

Inspection Date: 3/2/2022

Description:

Sump 1 (B099/B100), 5.5 inches of freeboard in sump, no sheen or odor noted.

Lat: 29.7844000 Long: - 95.3205861





Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No. **5**

Inspection Date: 3/2/2022

Description:

Sump 2 (B103/B104), 15 inches of freeboard in sump. No sheen or odor noted.

Lat: 29.7842861 Long: - 95.3208611



Photo No.

Inspection Date: 3/2/2022

Description:

Sump 3 (B107/B108), 14 inches of freeboard in sump. No sheen or odor noted. No tar-like material recovered.

Lat: 29.784172 Long: -95.320998





Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 3/9/2022

Description:

Slot A021, no tar-like material seeps observed where test pit conducted (July 2020), looking southwest.

Lat: 29.785392, Long: -95.318655



Photo No.

Inspection Date: 3/9/2022

Description:

Slot B096, no tar-like material seeps observed where test pit conducted (July 2020), looking northeast.

Lat: 29.7842528 Long: - 95.3206250





Client Name:Site Location:Project No.Union Pacific RailroadEnglewood Houston, Texas19119232

Photo No. Inspection Date: 3/9/2022

Description:

Slot B102, small amount of tar-like material observed within concrete join, residual staining on concrete surface noted.

Lat: 29.7842203 Long: - 95.320827



Photo No. Inspection Date: 3/9/2022

Description:

Sump 1 (B099/B100), 4.5 inches of freeboard in sump, no sheen or odor noted.

Lat: 29.7844000 Long: - 95.3205861





Client Name:Site Location:Project No.Union Pacific RailroadEnglewood Houston, Texas19119232

Photo No. Inspection Date: 3/9/2022

Description:

Sump 2 (B103/B104), 7 inches of freeboard in sump. No sheen or odor noted.

Lat: 29.7842861 Long: - 95.3208611



Photo No. Inspection Date: 3/9/2022

Description:

Sump 3 (B107/B108), 6 inches of freeboard in sump. No sheen or odor noted. No tar-like material recovered.

Lat: 29.784172 Long: -95.320998





Client Name:

Union Pacific Railroad

Site Location:Englewood Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 3/16/2022

Description:

Slot A011, very small amount of tar-like material seeping at asphalt crack, material was removed.

Lat: 29.785467 Long: -95.318347



Photo No.

Inspection Date: 3/16/2022

Description:

Slot A022, very small amount of tar-like material seeping at asphalt crack, material was removed.

Lat: 29.785392, Long: -95.318655





Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 3/16/2022

Description:

Slot B013, very small amount of tar-like material seeping at historical seep location in asphalt crack, no seeps observed where test pit conducted (July 2020), material was removed.

Lat: 29.785217 Long: - 95.318261



Photo No.

Inspection Date: 3/16/2022

Description:

Slot B056, very small amount of tar-like material seeping at asphalt crack, material was removed.

Lat: 29.784784 Long: -95.319620



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Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 3/16/2022

Description:

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

Lat: 29.7847472 Long: - 95.3195417



Photo No. 18

Inspection Date: 3/16/2022

Description:

Slot B101, very small amount of tar-like material seeping at asphalt crack, material was removed.

Lat: 29.784275 Long: - 95.320813





Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No. 19

Inspection Date: 3/16/2022

Description:

Slot B102, small amount of tarlike material seeping at joint, material was removed.

Lat: 29.7842203 Long: - 95.320827



Photo No. 20

Inspection Date: 3/16/2022

Description:

Slot B105, very small amount of tar-like material seeping at asphalt crack, material was removed.

Lat: 29.7841472 Long: - 95.3208777





Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No. 21

Inspection Date: 3/16/2022

Description:

Sump 1 (B099/B100), after pump down event; 48 inches of freeboard in sump. No sheen or odor noted.

Lat: 29.7844000 Long: - 95.3205861



Photo No. 22

Inspection Date: 3/16/2022

Description:

Sump 2 (B103/B104), after pump down event; 36 inches of freeboard in sump. No sheen or odor noted.

Lat: 29.7842861 Long: - 95.3208611





Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No. 23

Inspection Date: 3/16/2022

Description:

Sump 3 (B107/B108), after pump down event; 48 inches of freeboard in sump. No sheen or odor noted. Approximately 0.5 gallons of tar-like material recovered.

Lat: 29.784172 Long: -95.320998



Photo No. **24**

Inspection Date: 3/16/2022

Description:

Sump 3 (B107/B108), Approximately 0.45 gallons of tar-like material recovered during pump down event.

Lat: 29.784172 Long: -95.320998





Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No. 25

Inspection Date: 3/23/2022

Description:

Slot B013, no active tar-like material seeps observed at historical seep location or where test pit conducted (July 2020), looking northeast.

Lat: 29.785217 Long: - 95.318261



Photo No. 26

Inspection Date: 3/23/2022

Description:

Slot B057, no active tar-like material seeps observed at historical seep location or where test pit conducted (July 2020), looking northeast.

Lat: 29.7847472 Long: - 95.3195417





Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No. 27

Inspection Date: 3/23/2022

Description:

Slot B096, no tar-like material seeps observed where test pit conducted (July 2020), looking northeast.

Lat: 29.7842528 Long: - 95.3206250



Photo No. 28

Inspection Date: 3/23/2022

Description:

Sump 1 (B099/B100), 6 inches of freeboard in sump. No sheen or odor noted.

Lat: 29.7844000 Long: - 95.3205861





Client Name:

Union Pacific Railroad

Photo No. 29

Inspection Date: 3/23/2022

Description:

Sump 2 (B103/B104), 29 inches of freeboard in sump. No sheen or odor noted.

Lat: 29.7842861 Long: - 95.3208611 **Site Location:**Englewood Houston, Texas

Project No. 19119232



Photo No. 30

Inspection Date: 3/23/2022

Description:

Sump 3 (B107/B108), 28 inches of freeboard in sump. No sheen or odor noted. No tar-like material recovered.

Lat: 29.784172 Long: -95.320998





Client Name:

Union Pacific Railroad

Site Location:

Englewood Houston, Texas

Project No. 19119232

Photo No.

Inspection Date: 3/30/2022

Description:

Slots A010, no tar-like material seeps observed where test pit conducted (July 2020), pavement wet from ongoing rain event, looking southwest.

Lat: 29.785392, Long: -95.318655



Photo No. 32

Inspection Date: 3/30/2022

Description:

Slot A021, no tar-like material seeps observed where test pit conducted (July 2020), pavement wet from ongoing rain event, looking southwest.

Lat: 29.785392, Long: -95.318655





Client Name:Site Location:Project No.Union Pacific RailroadEnglewood Houston, Texas19119232

Photo No. Inspection Date: 3/30/2022

Description:

View of slots B109-B097, no tarlike material seeps observed NAPL collection system visible in background, pavement wet from ongoing rain event, looking east.

Lat: 29.784358 Long: -95.320611



Photo No. Inspection Date: 3/30/2022

Description:

Sump 1 (B099/B100), 5.5 inches of freeboard in sump. No sheen or odor noted. Pavement wet from ongoing rain event.

Lat: 29.7844000 Long: - 95.3205861





Client Name:

Union Pacific Railroad

Photo No. 35

Inspection Date: 3/30/2022

Description:

Sump 2 (B103/B104), 28 inches of freeboard in sump. No sheen or odor noted. Pavement wet from ongoing rain event.

Lat: 29.7842861 Long: - 95.3208611 **Site Location:**Englewood Houston, Texas

Project No. 19119232



Photo No. 36

Inspection Date: 3/30/2022

Description:

Sump 3 (B107/B108), 28 inches of freeboard in sump. No sheen or odor noted. No tar-like material recovered. Pavement wet from ongoing rain event.

Lat: 29.784172 Long: -95.320998





ATTACHMENT B

Waste Disposal Manifests

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$\left \cdot \right $	8. Designated Facility Name a	nd Site Appress	rull.		<u></u>		U.S. EPA ID	Number	<u></u>		
	Facility's Phone: NOU G	HON TX 77049	(281)40	XI-4423			TX	372	22		
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	Transporter Signature (for exp 16. Transporter Acknowledge				Deto 10	eving U.U.					
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TRANSPORTER	Transporter 2 Printed/Typed			Signatur		V			Month	Day	Year
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GNA.	17c. Signature of Alternale F										
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			celpt of materials covered by	the manifest except as	noted of year 17a	1					
A DES		or Operator Certification of re	celpt of materials covered by	the manifest except as Signatu	notecht yen 17a	16			Month	Day	Year

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-	7 Transporter 2 Company Name				U.S. EPA ID I	Vumber	
	7. Transporter 2 Company Name					<u></u>	
	Designated Facility Name and Site Address Delta Water Cocessing U.C.				U.S. EPA ID I		
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	PROSINET LEGADIO	31					
	14. GENERATOR'S CERTIFICATION: I certify the materials described	above on this manifest are not sub	ject to federal regulations	for reporting p	roper disposal di l	lazardous	Waste.
	Generator's/Oileror's Printed/Typed Hame		Signature				Nonth Day Year 03 16 22
7	15. International Shipments Import to U.S.	Export from		l entry/exil:			
TX	Transporter Signature (for exports only):	•	Date k	eaving U.S.:	•.		
	As Tangender Ashrousladament of Donoint of Materials	<u></u>			1		
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