

May 15, 2024

Project No. 31406585.016

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

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

Dear Mr. Wick:

WSP USA Inc. (WSP), on behalf of Union Pacific Railroad Company (UPRR), is pleased to provide this monthly status update for April 2024 summarizing weekly 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. In addition, this monthly update includes weekly summaries of the construction activities being conducted in accordance with the *Revised Interim Measures Work Plan – Englewood Intermodal Yard (EIY)* dated October 20, 2023. The TCEQ requested in the Conditional Approval letter dated January 9, 2024, that weekly summaries be provided in the monthly status updates detailing the activities being implemented per the Revised Interim Work Plan. Below is a summary of the inspections and Interim Measures Work Plan activities.

Non-Aqueous Phase Liquid (NAPL) Collection System Inspections

A 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 April 2024 (photographs from the weekly inspections (April 3rd (Photo Nos. 1 - 21) April 10th (Photo Nos. 23 - 39), April 17th (Photo Nos. 40 - 60), and April 24th (Photo Nos. 61 - 81)) are provided in Attachment A):

• The NAPL Collection System Sump 1 (B099/B100 stalls), Sump 2 (B103/B104 stalls), and Sump 3 (B107/B108 stalls) 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 April 2024. A hoe has continued to be used to recover DNAPL, if present, from the bottom of each of the sumps during the weekly inspections. In Sump 1,

WSP USA 1601 S Mopac Expy Suite 325D Austin, TX 78746 approximately 2 cubic inches of NAPL were recovered during the inspection on April 3rd. No DNAPL was encountered or recovered from Sumps 2 or 3 during April 2024 weekly inspections. A notation on the presence of NAPL in each sump, tabulation of depth and thickness of NAPL, if detected, and a tabulation of total mass of NAPL recovered from each sump is provided on the enclosed Table 1. Some NAPL, less than 0.5 gallons, was recovered from the B099/B100 sump during the pump down event on April 26, 2024. NAPL recovered from the sumps is placed in a drum for disposal. The drum is staged at the Container Storage Area (CSA). The inflow protector was monitored for NAPL accumulation, and no accumulation was observed through April 2024.

- No new tar-like material seeps were observed along the concrete joint between the NAPL Collection System and the existing concrete at Stall B107 during the April 2024 inspections (Photo Nos. 16, 27, 60, 62).
- Water levels in NAPL Collection System Sump 1, Sump 2, and Sump 3 were measured at 0, 10 and 10 inches from the top of the manholes, respectively, during the inspection on April 3, 2024 (Photo Nos. 19-21). During the April 10, 2024 inspection, water levels in all three sumps were measured at the top of the manhole due to heavy rains (Photo Nos. 30-32). On April 17, 2024, Sumps 1, 2, and 3 were measured at 0, 10, and 9.5 inches from the top of the manhole, respectively (Photo Nos. 41-43). During the April 24, 2024 inspection, Sumps 1, 2, and 3 each had 2.5, 12, and 11 inches of freeboard measured, respectively (Photo No. 64-66). On April 26, 2024 environmental remediation contractor, E3 Environmental (E3), previously E3 OMI, pumped down all three sumps (Photo No. 82) and transported the profiled water to Delta Water Processing in Houston, Texas for disposal. Final shipping documents from the event are included in Attachment B. During the April 2024 inspections, the water in Sump 1 was observed to be light brown or brown in color and the water in Sumps 2 and 3 was observed to be clear. A sheen was observed at Sump 1 during the April 24, 2024 inspection (Photo No. 64). No odors were reported during the April inspections.

Areas Outside NAPL Collection System Inspections

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 April 2024 weekly inspections. The tar-like material was recovered from these locations when observed:

Seep Observations Outside the NAPL Collection System Area						
Stall Number	Observation Date(s)					
A011	April 10 th (Photo No. 33)					
A022	April 17 th and 24 th (Photo No. 47 and 72)					
B042	April 3 rd and 17 th (Photo Nos. 7 and 50)					
B056	April 3 rd and 17 th (Photo Nos. 8 and 52)					
B057	April 3 rd , 10 th and 17 th (Photo Nos. 9, 25 and 53)					
B096	April 3 rd and 17 th (Photo No. 13 and 55)					
B100	April 3 rd and 17 th (Photo No. 14 and 56)					

Seep Observations Outside the NAPL Collection System Area					
Stall Number	Observation Date(s)				
B102 Joint	April 3 rd and 17 th (Photo No. 10 and 57)				
Track 802	April 10 th , 17 th and 24 th (Photo Nos. 23, 51 and 67)				
RD-14	April 3 rd , April 17 th and 24 th (Photo Nos. 18, 40 and 75)				

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

- Tar-like material observed during the weekly inspection events was removed and recovered using a hand tool to scrap up the material. The number of tar-like material seeps observed, and total volume of material recovered during the month of April was slightly more than during the March inspections. Less than 0.3 gallons of tar-like material were recovered for the month from the seep locations. The material recovered was placed in a drum staged at the CSA for disposal.
- UPRR remediation contractor E3 was mobilized to the site on April 8th to pressure wash areas of brown staining/residue present in cracks in the pavement in stall A010 and stalls A060-A061 (Photo No. 22). The heaviest staining was present in stalls A060- A061 (Photo No. 17). The brown staining was again observed in cracks in the pavement in stalls A060-A070 during the April 17th inspection (Photo No. 54); however, the staining was no longer present during the April 24th inspection (Photo No. 78). A small amount of seep water returned to the depression in the joint between the asphalt and concrete pavement in stall A010 during the April 24th inspection (Photo No. 69). E3 returned to the site on April 26, 2024, to recover this seep water. Wash water from the clean-up events was recovered and is staged in a tote onsite pending transportation and disposal. UPRR will continue to have a remediation contractor pressure wash and collect the water in the areas where the brown staining and seeps are observed, as needed.
- During the April 3 and 17, 2024 inspections, a small amount of tar like material was observed in stall B096 adjacent to the test pit patch location. No NAPL seeps were observed at the other six July 2020 test pit locations (stalls A010, A021, A098, B013, B057 and B108). The seep observed in stall B057 is located in the cracks in the asphalt pavement and not at the test pit location.
- A follow-up video camera survey of the stormwater sewer lines in the central area of the Englewood IM Yard was conducted on August 26, 2021 to evaluate the stormwater line near the test pit locations. Details of the follow-up video survey and test pit evaluation will be provided in the Interim Measures Response Action Completion Report after the activities detailed in the Interim Measure Work Plan (discussed below) are completed.

Interim Measures Work Plan Activities

The TCEQ conditional approval letter dated January 9, 2024 for the Revised Interim Measures Work Plan requested UPRR provide weekly summaries during the remediation activities detailing that adequate air monitoring and dust suppression, soil management, and stormwater protection activities are being implemented in accordance with the approved plans provided in the Revised Interim Measures Work Plan. UPRR initiated the remediation activities on April 29, 2024. The following is a summary of the weekly activities conducted as part of the interim measures at the Englewood Intermodal Yard in April 2024 (April 29th-30th):

• Remediation Activities:

- UPRR remediation contractor E3 mobilized their equipment to the Site on April 29th including delivering and staging roll-off bins to store and contain the excavated material. On April 30th, E3 began cutting asphalt/concrete pavement at focused excavation locations FE-1 through FE-4 and FE-7 and FE-8. E3 removed the asphalt pavement from FE-1 and FE-3 and placed the excavated asphalt into roll-off containers.
- Dust Control and Air Monitoring:
 - Atlas Technical Consultants (Atlas) conducted real time air and dust monitoring at the Site in accordance with the Dust Control and Air Monitoring Plan (October 20, 2023). No Target Dust Control Levels were exceeded during the remediation activities on April 29th and 30th.
- Soil/Waste Management
 - The removed material (asphalt pavement) was containerized in roll-offs staged on Site and sampled for waste characterization. The roll-offs were covered when not actively being loaded.
- Stormwater Management
 - There was no rainfall on April 29th or 30th that resulted in management of stormwater within the Project area.

If you have any questions or need additional information, please feel free to call us at (512) 501-5547 or Mr. Kevin Peterburs of UPRR at (414) 267-4164.

Sincerely,

WSP USA Inc.

Catherine Mear, GIT Consultant, Environmental Scientist

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



CC:

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

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

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
8/14/2019	2.5	28	29	Not measurable	
8/21/2019	0	27.5	26.5	Not measurable	
8/28/2019	44.5	47.9	45	Not measurable	Water from sumps pumped out
9/4/2019	19	42	41.5	Not measurable	
9/13/2019	0	39.5	38	Not measurable	
9/20/2019	0	3	2.5	Not measurable	
9/25/2019	0	42	42.5	Not measurable	Water from sumps pumped out
5/25/2015	0	72	42.5	Not measurable	Sheen visible in B107/B108 sump, less than 0.1 gal of
10/2/2019	2.5	42.5	42	Not measurable	DNAPL recovered
10/9/2019	3	42	41.5	Not measurable	Sheen visible in B107/B108 sump, less than 0.1 gal of DNAPL recovered
					Less than 0.1 gal of DNAPL recovered from B107/B108
10/16/2019	0	39.5	39	Not measurable	Sump Less than 0.1 gal of DNAPL recovered from B107/B108
10/24/2019	3	35	25	Not measurable	Sump
10/29/2019	0	24	23	Not measurable	Water from sumps pumped out
10/30/2019	0	40	39	Not measurable	Slight sheen visible in B107/B108 sump
11/6/2019	9	39	38.5	Not measurable	
11/13/2019	7	30	29	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
	4				Sump
11/19/2019		26	25.5	Not measurable	
11/27/2019	0	25	23	Not measurable	Less then 0.1 col of DNADL groups of from D407 (2100
10/0/0010					Less than 0.1 gal of DNAPL recovered from B107/B108
12/3/2019	2	25.5	25	Not measurable	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	
1/8/2020	9	13	12.5	Not measurable	Water from sumps pumped out
1/17/2020	0	32	31.5	Not measurable	
1/21/2020	2.5	26.5	26	Not measurable	
1/28/2020	0	0	0	Not measurable	
2/4/2020	2	11	10.5	Not measurable	
2/12/2020	0	0	0	Not measurable	
2/12/2020	1.5	11.5	10.25	Not measurable	Water from sumps pumped out on 2/20/2020
2/27/2020	2	42	36	Not measurable	
3/6/2020	1	36	36	Not measurable	
3/11/2020	2	36	35.5		
				Not measurable	
3/18/2020	0	35.5	35	Not measurable	
3/27/2020	0	29	28	Not measurable	
4/3/2020	1.5	29	28.5	Not measurable	
4/8/2020	0	23	22	Not measurable	
4/15/2020	0.5	23	22	Not measurable	
4/21/2020	0	21	21	Not measurable	
4/28/2020	0	23	22	Not measurable	
5/4/2020	-	-	-	Not Measured	Measurements were not taken; the inspector was unable to open the sumps
5/12/2020	0	20	19	Not measurable	p p -
5/19/2020	0	15.75	14.25	Not measurable	Sump 1 pumped down (May 22nd)
5/27/2020	0	14	13	Not measurable	
6/1/2020	0	7	5	Not measurable	
6/10/2020	0	10	9	Not measurable	
6/17/2020	1	12	11	Not measurable	
6/25/2020	0	0	0	Not measurable	
6/30/2020	0	0	0	Not measured	
7/1/2020	48	46	47	Not measurable	Sumps 1, 2, & 3 pumped down
7/8/2020	34	24.5	24	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
					Sheen visible in B99/B100 sump & B107/B108 sump,
7/15/2020	32	29.5	29	Not measurable	less than 0.1 gal of DNAPL recovered B107/B108 sump
7/23/2020	0	23	22.5	Not measured	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
7/31/2020	0	11	10	Not measurable	
8/5/2020	0	7	5	Not measurable	
8/13/2020	1	11	10	Not measurable	
8/19/2020	0	7	6	Not measurable	
8/26/2020	0	10	9	Not measurable	
					Sumps 1, 2, & 3 pumped down (September 1); Sheen
	43	37	38	Not measurable	visible in B99/B100 sump & B107/B108 sump
9/2/2020					Sheen visible in B107/B108 sump
9/2/2020 9/9/2020	28	37	36	Not measurable	Sheen visible in BT0//BT09 sump
	28 1	37 35	36 33	Not measurable Not measurable	

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

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
9/30/2020	1 4	10 12	9 11.5	Not measurable	
10/8/2020	4	12	11.5	Not measurable	
10/15/2020	0	11	10.5	Not measurable	Less than 0.1 gal of DNAPL recovered B107/B108 sump
10/21/2020	1	10.5	9.25	Not measurable	
10/28/2020	0	11	10	Not measurable	
11/4/2020	9	13	12	Not measurable	
11/11/2020	0.5	12	11	Not measurable	
11/18/2020	3.5	13	12	Not measurable	
11/24/2020	7	14	13.5	Not measurable	
11/30/2020	2	7	6	Not measurable	
12/10/2020	5	10.5	10	Not measurable	
12/18/2020	4	10	9	Not measurable	
12/23/2020	1	9	7.5	Not measurable	
12/31/2020	0	4	3.5	Not measurable	
1/6/2021	4	10.5	9	Not measurable	
1/15/2021	43	39	37.5	Not measurable	Sumps 1, 2, & 3 pumped down
1/22/2021	0	34	33	Not measurable	Sheen visible in B107/B108 sump
1/29/2021	2	31	30	Not measurable	Sheen visible in B107/B108 sump
2/4/2021	4	30	29.5	Not measurable	Sheen visible in B099/B100 sump
2/10/2021	0	27	25.5	Not measurable	
2/17/2021	0	0	0	Not measurable	
2/24/2021	2	10	9.5	Not measurable	
3/2/2021	0	0	0	Not measurable	
3/10/2021	0	10	9.75	Not measurable	
3/17/2021	0	2	1	Not measurable	
3/24/2021	0	3.5	2	Not measurable	
3/31/2021	0	6.5	7	Not measurable	
4/8/2021	0	7.5	7	Not measurable	
					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	7	Not measurable	
5/12/2021	0	8	7.5	Not measurable	
5/19/2021	0	0	0	Not measurable	
5/26/2021	0	2	0.5	Not measurable	
5/27/2021	41	32	26	Not measurable	Sumps 1,2, & 3 pumped down
6/2/2021	0	40	38	Not measurable	Sheen visible in B107/108 sump
6/9/2021	0	30	28.5	Not measurable	
6/16/2021	0	24	25	Not measurable	
6/23/2021	0	12	13	Not measurable	
6/30/2021	0	3	1	Not measurable	
7/7/2021	0	0	0	Not measurable	
7/14/2021	0	0	0	Not measurable	Sumps 1,2, & 3 pumped down (July 15)
7/21/2021	0	39	37	Not measurable	
7/29/2021	0	37	35.5	Not measurable	
8/4/2021	0	36	34	Not measurable	Sheen visible in B103/104 and B107/B108 sumps
0/11/2021					Depth to DNAPL measurements were not taken; the
8/11/2021	0	33	32	Not Measured	interface probe was not functioning properly
8/18/2021	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	Summe 1.2. 8.2 numbed down (Sontember 17)
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 17.5	Not measurable	Sheen visible in B103/104 and B107/B108 sumps
10/7/2021	6	18	17.5	Not measurable	Channy visible in P102/104 and P107/P108 summer
					Sheen visible in B103/104 and B107/B108 sumps; brown discoloration and slight odor noted B099/B100
10/12/2021	2.0	10.50	0.70	Network	
10/13/2021	3.6 0	10.56 13.94	9.72 12.6	Not measurable	sump
10/20/2021 10/27/2021	0	22	21	Not measurable	Sumps 1,2, & 3 pumped down (October 21) Sheen visible in B099/B100 sump
		22	21	Not measurable Not measurable	
11/3/2021 11/10/2021	10 12	20	15		
	8	16	15	Not measurable	
		1 10		Not measurable Not measurable	
11/17/2021		14	10		
11/24/2021	7	14	13		
11/24/2021 12/1/2021	7 7	15	14	Not measurable	
11/24/2021 12/1/2021 12/8/2021	7 7 6	15 12.5	14 12	Not measurable Not measurable	
11/24/2021 12/1/2021	7 7	15	14	Not measurable	Partial site inspection conducted 12/02/04. Summ
11/24/2021 12/1/2021 12/8/2021 12/15/2021	7 7 6	15 12.5	14 12	Not measurable Not measurable Not measurable	Partial site inspection conducted 12/22/21; Sump
11/24/2021 12/1/2021 12/8/2021	7 7 6	15 12.5	14 12	Not measurable Not measurable	Partial site inspection conducted 12/22/21; Sump measurements were not taken

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

	Sump 1	Sump 2	Sump 3	tx - wood Preservin	
Measured Date	(B099/B100) Freeboard (in)	(B103/B104) Freeboard (in)	(B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
1/12/2022	6	12	12	Not measurable	
1/19/2022	13.5	17	16	Not measurable	Sheen visible in B099/B100 sump
1/27/2022	3	9	9	Not measurable	
					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	
2/16/2022	8.5	17	16	Not measurable	
2/23/2022	5.5	14	13.5	Not measurable	
3/2/2022	5.5	15	14	Not measurable	
3/9/2022	4.5	7	6	Not measurable	
3/16/2022	48	36	45	Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.5 gal of DNAPL recovered B107/B108 sump
3/23/2022	6	29	28	Not measurable	
3/30/2022	5.5	28	28	Not measurable	
4/6/2022	3.5	19	18	Not measurable	
4/13/2022	4.5	18	15	Not measurable	Sheen visible in B099/B100 sump
4/20/2022	5	18	18	Not measurable	Sheen visible in B099/B100 sump
4/27/2022	4.5	12	8.5	Not measurable	
5/4/2022	48	42	45	Not measurable	Sumps 1,2, & 3 pumped down during inspection; Sheen visible in B099/B100 sump Sheen visible in B099/B100, B103/104, and B107/B108
5/11/2022	16	44.5	44	Not measurable	sumps
5/18/2022	6.5	44.5	44	Not measurable	
5/25/2022	0.5	25	24	Not measurable	
6/1/2022	5.5	23	24	Not measurable	
6/8/2022	5	22	22	Not measurable	Sheen visible in B099/B100 and B103/104 sumps
6/15/2022	5	25	24	Not measurable	
6/22/2022	4.5	24	21	Not measurable	
6/29/2022	6	21	21	Not measurable	
7/6/2022	5.5	13	13	Not measurable	
7/13/2022	5	15	13	Not measurable	Sheen visible in B099/B100 sump
.,,					
					Sumps 1,2, & 3 pumped down during inspection; less
7/20/2022	51.5	38	43.5	Not measurable	than 0.1 gal of DNAPL recovered B099/B100 sump
7/27/2022	4	42	40	Not measurable	
8/3/2022	5	39	39	Not measurable	
8/10/2022	5.5	38	38	Not measurable	Sheen visible in B107/B108 sump
8/17/2022	5.5	25.5	25	Not measurable	
8/24/2022	0	0.5	0	Not measurable	Inspector unable to open B099/B100 and B107/B108 sumps as there was standing water on top of the sumps due to ongoing rain event
0/24/2022	0	0.5	0	Not measurable	Sumps 1,2, & 3 pumped down during inspection; sheen
8/31/2022	52	52	48	Not measurable	visible in B103/B104 sump
9/7/2022	3	37	37	Not measurable	
9/14/2022	1	34	31	Not measurable	Sheen visible in B099/B100 sump
9/21/2022	2.2	31.5	27.5	Not measurable	Sheen visible in B107/B108 sump
- /	3				Sheen visible in B099/B100 and B107/B108 sumps
9/28/2022	8	30	31 33	Not measurable Not measurable	Sheen visible in B099/B100 and B107/B108 sumps
10/12/2022	7	32	32	Not measurable	Sheen visible in B099/B100 and B107/B108 sumps
10/19/2022	48	48	48	Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered from B107/108 sump; small amount of DNAPL visible but not recoverable in B099/B100 sump; sheen visible in B099/B100 and B103/B104 sumps on recharge water after pumpdown
10/26/2022	6	46	45	Not measurable	Sheen visible in B107/B108 sump
11/2/2022	4	19	19	Not measurable	
11/9/2022	6	14	13	Not measurable	
11/16/2022	8	14	12	Not measurable	
11/22/2022	0	0	0	Not measurable	
11/30/2022	3	10	9	Not measurable	Very slight sheen visible in Sumps 1, 2, and 3; less than 0.2 gal of DNAPL recovered from B107/108 sump
12/7/2022	4	13.5	13	Not measurable	Replaced dipper tool with hoe for NAPL recovery from sumps. Less than 0.4 gal of DNAPL recovered from
12/14/2022	0	0	0	Not measurable	B099/B100 sump; approximately 0.1 gal of DNAPL recovered from B107/B108 sump
12/21/2022	4	8	7	Not measurable	
12/28/2022	16	14	14	Not measurable	
1/4/2023	3.5	7.5	6	Not measurable	
1/11/2023	12	12	3	Not measurable	
1/18/2023	3	13	13	Not measurable	
1/25/2023	3	6	5	Not measurable	

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

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
2/1/2023	<1	1	<1	Not measurable	
2/8/2023	5	13	12	Not measurable	
					Sumps B099/B100, B103/B104, and B107/B108
2/15/2023	<1	2	2.5	Not measurable	pumped down during inspection
					Sheen visible in B099/B100, B103/B104, and B107/B108
2/22/2023	32	42	43	Not measurable	sumps; water in B099/B100 noted as brown color with high turbidity
2/22/2023		42	43	Not measurable	
					Sheen visible in B099/B100, B103/B104, and B107/B108
3/1/2023	9	41	40	Not measurable	sumps, water color in sumps noted as brown
3/8/2023	5	42	41	Not measurable	B099/B100 & B103/B104 light brown color
					B099/B100 and B013/B104 brown color; B107/B108
3/15/2023	4	42	41	Not measurable	very light brown color
3/22/2023	8	26.5	25.5	Not measurable	B099/B100 light brown color
3/29/2023	3	24	25	Not measurable	B099/B100 light brown color
4/5/2023	2.5	25	25	Not measurable	B099/B100 light brown color
4/12/2023	4	12	14	Not measurable	All three sumps pumped down during inspection, B099/B100 brown color
4/12/2023	5	42	42	Not measurable	Sheen visible in B107/B108 sump
4/26/2023	4	31.5	31.5	Not measurable	Sheen visible in B107/B108 sump
5/3/2023	3	18	17.5	Not measurable	, p
5/10/2023	0	1.5	0	Not measurable	Sheen visible in B107/B108 sump
5/17/2023	0	2	0	Not measurable	Sheen visible in B107/B108 sump
5/24/2023	2	14	13	Not measurable	Pumpdown and boom swap.
					B099/B100 water color brown. B103/B104 and
5/31/2023	28	50	49	Not measurable	B107/B108 water color light brown.
					Sheen visible in all Sumps. B099/B0100 water color
6/7/2022	3	38	37	Not measurable	brown and, light brown on both B103/B104 and B107/B108.
6/7/2023	5	50	57	NOT MEASURADIE	B107/B108.
					Sheen Visible in B099/B100 & B107/B108. water color
6/14/2023	4	38	37	Not measurable	brown on B099/B100 & light brown in all other sumps.
					Sheen Visible in B107/B108. water color brown on
6/21/2023	3	36	37	Not measurable	B099/B100 & light brown in all other sumps.
					Sheen Visible in B099/B100 & B107/B108. water color
					dark brown on B099/B100 & B107/B108, light brown in
6/28/2023	3	31	31	Not measurable	B103/B104.
					Sheen Visible in B099/B100 and B107/B108. Water color
7/12/2023	3	20	19	Not measurable	brown on B099/B100, light brown in B103/B104.
771272023		20	15	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water
					color brown on B099/B100 and clear on B103/B104 and
7/19/2023	3	19	19	Not measurable	B107/B108.
					Sheen Visible on B099/B100 and B107/B108. Water
					color brown on B099/B100, light brown on B103/B104,
7/26/2023	3	21	20	Not measurable	and clear on B107/B108.
					Cheen Visible on D107/D109, Water color dark brown or
					Sheen Visible on B107/B108. Water color dark brown on B099/B100, light brown on B103/B104, and clear on
8/2/2023	0	16.5	15.5	Not measurable	B107/B108. Pumpdown conducted 8/4/2023.
0,2,2025	<u> </u>	10.5	15.5	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water
					color brown on B099/B100, light brown on B103/B104,
8/9/2023	42	47	47	Not measurable	and clear on B107/B108.
					Sheen Visible on B099/B100 and B107/B108. Water
					color brown on B099/B100 and light brown on
8/16/2023	38.5	47	47	Not measurable	B103/B104 and B107/B108.
					Sheen visible in all Sumps. B099/B100 water color dark
8/22/2022	22	46	46	Not measurable	brown and, light brown on both B103/B104 and B107/B108.
8/23/2023	33	40	40	NOT MEASURADIE	Sheen visible in all Sumps. B099/B100 water color dark
					brown and, light brown on both B103/B104 and
8/30/2023	33	46	44	Not measurable	B107/B108.
					Sheen visible in all Sumps. B099/B100 water color light
9/6/2023	1	38	38	Not measurable	brown, and clear on both B103/B104 and B107/B108.
					Sheen Visible on B099/B100 and B107/B108. Water
0/12/2022	0	22	22	Naturasuushis	color brown on B099/B100 and clear on B103/B104 and
9/13/2023	0	33	33	Not measurable	B107/B108. Pumpdown conducted 9/15/2023. Sheen Visible on B099/B100 and B107/B108. Water
					color brown on B099/B100 and light brown on
9/20/2023	14	41	40	Not measurable	B103/B104 and B107/B108.
., .,					Sheen Visible on B099/B100 and B107/B108. Water
					color light brown on B099/B100 and clear on B103/B104
9/27/2023	0.5	33	34	Not measurable	and B107/B108.

 TABLE 1

 NAPL Measurements - NAPL Collection System - Englewood Intermodal Yard

 UPRR Houston, tx - Wood Preserving Works

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
					No sheen visible in all sumps. Water color brown on
					B099/B100 and light brown on B103/B104 and
10/4/2023	0	0	0	Not measurable	B107/B108. Heavy rains all week filled up sumps.
					Sheen visible on B103/B104. B099/B100 water color
					light brown, clear on B103/B104 and B107/B108. Heavy
10/11/2023	0	0	0	Not measurable	rains in the week filled up sumps. Pumpdown conducted 10/13/2023.
10/11/2023	0	0	0	Not measurable	Sheen visible on B099/B100 and B107/B108. Water
					color brown on B099/B100. Water color clear on
10/18/2023	46	48	47	Not measurable	B103/B104. Water color light brown on B107/B108.
-, -,	-				Sheen visible on B099/B100 and B107/B108. Water
					color dark brown on B099/B100 and light brown on
10/25/2023	39	44	43	Not measurable	B103/B104 and B107/B108.
					Sheen visible on B099/B100 and B107/B108. Water
	-				color light brown on B099/B100 and clear on 103/B104
11/1/2023	6.5	33	33	Not measurable	and B107/B108.
					Shoon vicible on POOD (P100, Water color light brown on
11/8/2023	12	34	33	Not measurable	Sheen visible on B099/B100. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/8/2023	12	34		Not measurable	No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on 103/B104 and
11/15/2023	2	6	5.5	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on 103/B104 and
11/22/2023	7	13	12	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on 103/B104 and
11/29/2023	5.5	10	9.5	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
42/5/2022	0			Networkle	light brown on B099/B100 and clear on 103/B104 and
12/6/2023	8	14	14	Not measurable	B107/B108. No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on 103/B104 and
12/13/2023	5	10	9.5	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on 103/B104 and
12/20/2023	5	10	9	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on 103/B104 and
12/27/2023	6	13	11	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
1/2/2024	0	0	0	Not measurable	light brown on B099/B100 and clear on 103/B104 and B107/B108.
1/3/2024	0	0	0	NOT HIERSUIRDIE	No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on B103/B104 and
1/10/2024	5	10	9.5	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on B103/B104 and
1/17/2024	12	15.5	15	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
1/24/2024	0	0	0	Not measurable	clear in all sumps.
					No sheen observed in any of the sumps. Water color
1/21/2024	э	05	9	Not moscurable	light brown on B099/B100 and clear on B103/B104 and B107/B108
1/31/2024	2	9.5	3	Not measurable	B107/B108. No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on B103/B104 and
2/7/2024	2	18	16	Not measurable	B107/B108.
, ,===.		-			
					No sheen observed in any of the sumps. Water color
2/14/2024	6	18	18	Not measurable	clear on B099/B100, B103/B104 and B107/B108.
					No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on B103/B104 and
2/21/2024	6	14	13	Not measurable	B107/B108.
					No sheen observed in any of the sumps. Water color
2/20/2021		1.4	15	Not many	light brown on B099/B100 and clear on B103/B104 and
2/28/2024	4	14	15	Not measureable	B107/B108.
					No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and
3/6/2024	4	15	15	Not measureable	B107/B108.
5, 5, 2024	-7	1.5		Not measureable	No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on B103/B104 and
3/13/2024	0	11	11	Not measureable	B107/B108.
					No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on B103/B104 and
3/20/2024	0	7.5	7.5	Not measureable	B107/B108.

 TABLE 1

 NAPL Measurements - NAPL Collection System - Englewood Intermodal Yard

 UPRR Houston, tx - Wood Preserving Works

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
					No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on B103/B104 and
					B107/B108. Some DNAPL (1.5 inches) was recovered
3/27/2024	0	7	6	Not measureable	from the bottom of Sump 1.
					No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on B103/B104 and
					B107/B108. Some DNAPL (2 cubic inches) was recovered
4/3/2024	0	10	10	Not measureable	from the bottom of Sump 1.
					No sheen observed in any of the sumps. Water color
					brown on B099/B100 and clear on B103/B104 and
4/10/2024	0	0	0	Not measureable	B107/B108.
					No sheen observed in any of the sumps. Water color
					light brown on B099/B100 and clear on B103/B104 and
4/17/2024	0	10	9.5	Not measureable	B107/B108.
					Sheen visible on B099/B100. Water color brown on
					B099/B100 and clear on B103/B104 and B107/B108.
4/24/2024	2.5	12	11	Not measureable	Pumpdown conducted 4/26/2024.

Note:

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



ATTACHMENT A

Weekly Inspection Photolog

vsp				PHOTOGRAPHIC LOG
Client Name:		Site Locat	lion:	Project No.
Union Pacific Rail	road		d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
1	4/3/2024			
Description:	1			
Stall A022. No tar-lik Pit A022 location.	e material observed at Test			
		Comment Street	3	and the second second
Lat: 29.785378				
Long: -95.318694		24 con, TX 77020	A022	
Photo No.	Inspection Date:			
2	4/3/2024			
Description:		and the second se		
	e material observed at Test nimal seep water staining of the asphalt.			
Lat: 29.785467				
Long: -95.318341		and the state of t		
5				
		The first state of the second state of the sec		- Andrew Contraction of the second
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				and the second sec

visp				PHOTOGRAPHIC LOG
Client Name:		Site Loca		Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No. 3	Inspection Date: 4/3/2024			
Description:	4/0/2024	1	the state of the s	
		and the second s		
	e material observed at Test nimal seep water staining of the asphalt.		1 the	
Lat: 29.785517			the second se	
Long: -95.31834		- - - 	2010	
Photo No.	Inspection Date:			
4	4/3/2024	the second second second		
Description:		and the second sec	a the second sec	1
Stall A021. No tar-liki at Test Pit A021.	e material seeps observed			
Lat: 29.785387 Long: -95.318654			A021	



visp				PHOTOGRAPHIC LOG
Client Name: Site Lo			tion:	Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
7	4/3/2024	A state of the state		A A A A A A A A A A A A A A A A A A A
Description:		A STANDA	Y LA PARTY	
Stall B042 some tar	like material observed at			
	ong concrete joint, material	and the second	An An Andrew Contraction	the second second second
removed.	č		and the second s	
		"一个的路上"		
Lat: 29.784923				Office supers
Long: -95.319124		2 mm 3		
				10
			. R(
		and the state of t		
)42
		A March (Colorador)		33
			and the states of the second	自然的 网络拉利利尔 化石油 化合金
		ton, TX 77026		
Photo No.	Inspection Date:			
8	4/3/2024	1 All Para and Ph		
Description:	1/0/2021			
	like material was observed		Charles and a second	
and removed from his asphalt crack.	storical seep location along			Let
asphalt clack.				
		and all the	A second second	and the second
Lat: 29.784751				
Long: -95.319532				Office and Total
			WW ALL AND ALL AND A	DOLC
				KIDO
			2-3	B056
		A Starts		
		語語を入する		
		spection 4.3.24		
		24 04 10 PM		88
		0-95/31962 V St. Houston, TX 7	009	TANK HARDS AND

vsp				PHOTOGRAPHIC LOG
Client Name:		Site Locat	ion:	Project No.
Union Pacific Rail		Englewood	l Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
9	4/3/2024	國際的原始展出		
Description: Stall B057 (joint), som observed at historical joint, material remove Lat: 29.784747 Long: -95.319549	seep site along concrete			
Photo No.	Inspection Date:	B	057	
10	4/3/2024			
Description:	4/3/2024	The The State	1	
	e tar-like material observed along concrete joint,	nspection 4,3,24 124,0438 PM 6,-95,32079 itman St, Houston, TX		

wsp				PHOTOGRAPHIC L	.OG
Client Name:		Site Locat		Project No.	
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Texas	31406585.016	63900
Photo No.	Inspection Date:	Stort July	1.4	CERT ALL ALL	
11	4/3/2024	e ····································			
Description:		Sector States		and the second sec	
Stall B102 (center), no	o tar-like material observed				1
at seep location along	g cracks in pavement.	- Walking	Constant of the second se	The Search Street	
		A Start Start		Charles a start	
			in the second	in the second second	And And
		Page Prove			
Lat: 29.784233		C. Proto and the	it is a set of the set	A a second	
Long: -95.320847					The second
		学生的主义 体	Carl Can Stranger		
		and the second	D100		
		and the second second	B102	the the second second	
			Let Plan x	and the second sec	
			Center		
			What - Br		
			" A State Pusher lette		
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		A can the	a manufacture of the second	the state of the state of the	
		77020		· Anter Contraction	
Photo No.	Inspection Date:				
12	4/3/2024				
Description:					
Stall B105 no new ta	r-like material observed at		14. A.		
	ation along asphalt crack.		and the second se		
		and the second	· · · · · · · · · · · · · · · · · · ·	Add and the second	
			The second second	an Total	NI-12 (1990)
		to be a set	The State Law of State		
Lat: 29.784209					100000
Long: -95.320943					
			and the second second		
			A CONTRACTOR		
		and the second second		F A STATE	
		their the	D1()	5	
			- DIO		1000
		a right for	B10	the state of the state of	
		and the dress			
		Anter the set		all and the second	
		4	Share a state of the second state of the		
			and the second second		
		TX 770 <u>20</u>			

vsp				PHOTOGRAPHIC LOG
Client Name: Site Loc			tion:	Project No.
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:	Le in Di Cartes		
13	4/3/2024	The second second	and the second second	A Care March March
Description: Stall B096, some tar- historical seep locatio Test Pit B096, materia Lat: 29.784276 Long: -95.320651	like material observed at an along concrete joint at al removed.		B	
Photo No. 14	Inspection Date: 4/3/2024			
Description: Stall B100, some tar- concrete crack/hole in removed. Lat: 29.784236 Long: -95.320786	like material observed on a concrete, material	P P PW Inspection 4-3 03/2024/04/35 PW		

wsp		PHOTOGRAPHIC LOG
Client Name:	Site Location:	Project No.
Union Pacific Railroad	Englewood Intermodal Yard, Houston, Texas	31406585.016
Photo No. Inspection Date:		
15 4/3/2024		
Description: North side of Track 802, no new tar-like material observed at seep location near the edge of the ballast.		
Lat: 29.784947 Long: -95.321214	ттаск 802	
Photo No. Inspection Date: 16 4/3/2024	the second second part of the second s	
Description:	Jan and the stand	
Stall B107, no new tar-like material observed at seep location on concrete joint along the southern edge of the excavated area.		
Lat: 29.784137 Long: -95.32096	24 TV 77000	07

visp				PHOTOGRAPHIC LOG
Client Name:		Site Locatio		Project No.
Union Pacific Rail		Englewood	Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:		the	
17	4/3/2024	1	· set	A second se
Description: Stalls A060 - A070, so previously observed a No new water seeps southwest.	along cracks in pavement.			
Lat: 29.784858 Long: -95.319733				1000-
Photo No.	Inspection Date:	X 77026		AOTO
18	4/3/2024			
Description: RD-14 Seep location concrete road area no	orth of Track 802 (east of		-	and and
existing Track 802 se material observed alc material removed.	ep location). Some tar-like ng a concrete joint,			Sec.
Lat: 29.785064 Long: -95.321219				Real Provide State
		2443	RE	0-14
		TX 77026		a start

visp					PHOTOGRAPHIC LOG
Client Name:		Site Locat	on:	Project I	No.
Union Pacific Rail	road		Intermodal Yard, Houston,		
Photo No.	Inspection Date:	-		A SAME U	
19	4/3/2024	~			
sump, no odor noted,		4		B0991 B100	
Photo No. 20 Description: Sump 2 (B103/B104) sump. No odor or she as clear. Lat: 29.7842861 Long: - 95.3208611	Inspection Date: 4/3/2024		B103/ B104		

visp				PHOTOGRAPHIC LO
Client Name: Site Loc				Project No.
Union Pacific Railr		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:	T - ind		
21	4/3/2024			
Description: Sump 3 (B107/B108), sump, no sheen obser clear.	, 10 inches of freeboard in rved, water color noted as			
Lat: 29.7844000		16 18		
Long: - 95.3205861		77020	B107 B10	
Photo No.	Inspection Date:			
22	4/8/2024			
Description: Remediation contractor brown staining on stal Lat: 29.784858 Long: -95.319733	or E3 pressure washing lls A060-A061.			

visp			PHOTOGRAPHIC LOG
Client Name:		Site Location:	Project No.
Union Pacific Rail		Englewood Intermodal Yard, Houston	n, Texas 31406585.016
Photo No.	Inspection Date:	MALE PROPERTY	
23	4/10/2024		
Description:			10 × 1
North side of Track 80 observed at seep loca ballast, material remo	02, some tar-like material ation near the edge of the ved.		
Lat: 29.784947 Long: -95.321214			Track 802
Photo No.	Inspection Date:		
24	4/10/2024		
Description:			
	r-like material observed at n along asphalt crack.		
Lat: 29.7847472			the second s
Long: -95.3195417		B056	

visp				PHOTOGRAPHIC LOG
Client Name: Site Lo				Project No.
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:	A CALLY	A State State State	N. CARL
25	4/10/2024			and the second
Description: Stall B057, some tar-l along asphalt crack, n Lat: 29.784769 Long: -95.3195798				B057
Photo No.	Inspection Date:			
26	4/10/2024	Contraction of the second seco		
Description:	4/10/2024			Contraction of the second
	ar-like material observed at n along asphalt crack.			

vsp			PHOTOGRAPHIC LOG
Client Name: Union Pacific Rail	road	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. 31406585.016
Photo No.		Eligiewood interniodal faid, Houston, Texas	31400365.010
	Inspection Date:		1
27	4/10/2024	the second second	
Description: Stall B107, no new ta seep location on cond southern edge of the	r-like material observed at crete joint along the excavated area.	775	
Lat: 29.784137 Long: -95.32096			
		B D B	107
Photo No.	Inspection Date:		
	215363		
28 Description: Stall B100, no new ta seep location along a asphalt. Lat: 29.7842528 Long: - 95.3206250	4/10/2024 r-like material observed at sphalt crack/ hole in the		

visp				PHOTOGRAPHIC LOG
Client Name: Union Pacific Rail	rood	Site Loca	t ion: d Intermodal Yard, Houston, Texas	Project No.
Photo No.	Inspection Date:	Englewoo	d Internodal Fard, Houston, Texas	31406585.016
29	4/10/2024		and the second s	
Description: Stall B096, no new ta historical seep locatio Lat: 29.7842528 Long: -95.3206250	r-like material observed at		F.F.C.	
Photo No. 30 Description:	Inspection Date: 4/10/2024		B096	
Sump 1 (B099/B100), sump, no sheen obse brown. Lat: 29.7844000 Long: - 95.3205861	, 0 inches of freeboard in prved, water color noted as		BJOO BOOO	

wsp				PHOTOGRAPHIC LOG
Client Name:		Site Loca		Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4 and a second second
31	4/10/2024		An 12 月 中非常有	all is the state of the
Description: Sump 2 (B103/B104) sump. No odor or she as clear.	, 0 inches of freeboard in een observed, color noted	-		
Lat: 29.7842861 Long: - 95.3208611		B1 B1		
Photo No. 32	Inspection Date: 4/10/2024			
Description: Sump 3 (B107/B108) sump, no sheen obse clear. Lat: 29.7844000 Long: - 95.3205861	, 0 inches of freeboard in rved, water color noted as			

visp				РНОТС	OGRAPHIC LOG
Client Name:		Site Locat		Project No.	
Union Pacific Rail		Englewood	Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:				
33 Description:	4/10/2024	No.			and the second
Stall A011. Some tar-	like material observed at n along asphalt crack,		A011		
Photo No.	Inspection Date:		10	*	
34	4/10/2024		and the second		
Description: Stall B102 (joint) no n observed at historical joint.	ew tar-like material seep site along concrete		à		
Lat: 29.784197 Long: -95.320821				B102 Joint	

visp				PHOTOGRAPHIC LOG
Client Name:		Site Locat		Project No.
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:		and the second	S-S-S-
35	4/10/2024			
	r-like material observed at ation along asphalt crack.		8105	
	Inspection Date: 4/10/2024			

wsp			PHOTOGRAPHIC LOG
Client Name:		Site Location:	Project No.
Union Pacific Rail		Englewood Intermodal Yard, Houston	, Texas 31406585.016
Photo No.	Inspection Date:		
37 Description:	4/10/2024	Contraction of the second	
(east of existing Track	observed within the RD-14) north of Track 802 (802 seep location), no observed along a concrete		RD-14
Photo No. 38	Inspection Date: 4/10/2024		
30 Description:	4/10/2024	1	
	o tar-like material observed o cracks in pavement.		
Lat: 29.784233 Long: -95.320847		B12 Center	

visp			РНОТ	OGRAPHIC LOG
Client Name:		Site Location:	Project No.	
Union Pacific Rail		Englewood Intermoda	al Yard, Houston, Texas 31406585.016	
Photo No.	Inspection Date:	die	A CARLEN AND A CARLEN	
39	4/10/2024			the second second
Description: Stalls A060 - A070, so previously observed a No new water seeps of southwest. Lat: 29.784858 Long: -95.319733	along cracks in pavement.		ABBO BOD	
Photo No.	Inspection Date:			
40	4/17/2024	and the second second		
existing Track 802 se	orth of Track 802 (east of ep location), some new tar- d along a concrete joint.		RD-14	

vsp			PHOTOGRAPHIC LOG
Client Name:		Site Location:	Project No.
Union Pacific Rail		Englewood Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:		2 · · · · · · · · · · · · · · · · ·
41	4/17/2024		A State of the sta
Description:		the state of the s	
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sump 1 (B099/B100), sump no sheen obse	0 inches of freeboard in rved, water color noted as	B099/	I I I Contraction of the
light brown.			
		B100	
L -t. 00 7044000		A River	
Lat: 29.7844000 Long: - 95.3205861			
Long 95.5205001			
		A ALA LA	
			No. " #
		A Starter Market	
		and the first of the second se	NE, CO
			Mark Contraction of the Contract
Photo No.	Inspection Date:		
42	4/17/2024		
Description:			and the second sec
Sump 2 (B102/B104)	, 10 inches of freeboard in	B103/	
sump. No odor or she	en observed, color noted	B103/ B104	A CONTRACT OF THE OWNER
as clear.		R104	
		DIC	
		to The second	
Lat: 29.7842861		· · · · · · · · · · · · · · · · · · · ·	
Long: - 95.3208611		1 Million	1111 San
		No. I all a second second	
		and the second second second second	
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		M. Martin	
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		and the second sec	AND A DECEMBER OF A DECEMBER O

visp				PH	OTOGRAPHIC LOG
Client Name:		Site Locati		Project No.	
Union Pacific Rail		Englewood	Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:				
<u>43</u>	4/17/2024			Contraction of the second	all of the
Description: Sump 3 (B107/B108), sump, no sheen obse clear.	9.5 inches of freeboard in rved, water color noted as		B107/ B108		-
Lat: 29.7844000 Long: - 95.3205861			B108		
Photo No.	Inspection Date:		The second		
44 Description:	4/17/2024	and the second division of the second divisio	and the second		T
	material seeps observed				
Lat: 29.785517 Long: -95.31834					

visp					PHO	OTOGRAPHIC LOG
Client Name:		Site Locat			Project No.	
Union Pacific Railr		Englewood	l Intermodal Yard, Housto	on, Texas	31406585.016	
Photo No.	Inspection Date:	EVERALE			Sulphin Marson	
45 Description:	4/17/2024			1		and the second s
Stall A011. No new ta historical seep location	r-like material observed at n along asphalt crack.	1	47			
Lat: 29.785467 Long: -95.318341				A011		
Photo No.	Inspection Date:					
46	4/17/2024	and the second	Stamment St.	Stallander .		
Description: Stall A021. No tar-like at Test Pit A021.	e material seeps observed					
Lat: 29.785387 Long: -95.318654				A021		

visp					PHOTOGRAPHIC LOG
Client Name: Site L			ition:	Project No	•
Union Pacific Rail	road		d Intermodal Yard, Houston, Texas	31406585.0	
Photo No.	Inspection Date:			t the second	
47	4/17/2024		all share the	and the second second	
Description: Stall A022, some tar-I the seep location alor removed.	ike material observed at ng the edge, material				
Lat: 29.78537 Long: - 95.31869			AO2	22	
Photo No.	Inspection Date:				
48	4/17/2024				
HO Description:	4/17/2024				and the second second
	e material seeps observed		Bol	a Contraction	
vsp			PHOTOGRAPHIC LOG		
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Client Name:		Site Location:	Project No.		
Union Pacific Rail		Englewood Intermodal Yard, Houston, Texas	31406585.016		
Photo No. 49	Inspection Date:	1 1 1	T		
	4/17/2024	A REAL PROPERTY AND A	the start of		
	e material observed at on along asphalt crack.	BOIA			
Photo No.	Inspection Date:				
50 Description:	4/17/2024				
Stall B042. Some tar	-like material observed at in along asphalt crack,	B04			

visp					PH	OTOGRAPHIC LOG
Client Name:		Site Locat	ion:		Project No.	
Union Pacific Rail		Englewood	I Intermodal Yard, Hou	iston, Texas	31406585.016	
Photo No.	Inspection Date:		and the	1 × 100		
51	4/17/2024					
	02, some tar-like material ation near the edge of the ved.					
Lat: 29.784947 Long: -95.321214				Tra	ack 302	
Photo No.	Inspection Date:			0.00113.000	11 4 1 × 3	
52	4/17/2024	and the second				
historical seep locatio material removed.	like material observed at n along asphalt crack,					
Lat: 29.7847472 Long: -95.3195417		194 18 A		and the second	A landar	and a set of the
Long50.0130417			B05	6		

wsp				PHOTOGRAPHIC LOG
Client Name:		Site Loca	l tion:	Project No.
Union Pacific Rail	road		d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:	a state of the		
53	4/17/2024	3		
	ike material observed and tion along asphalt crack,			
Lat: 29.784769 Long: -95.3195798			B057	
Photo No.	Inspection Date:			
54	4/17/2024			
Description: Stalls A060 - A070, so previously observed a No new water seeps of southwest. Lat: 29.78484 Long: -95.31974	long cracks in pavement.			

visp			PHOTOGRAPHIC LOG
Client Name:		Site Location:	Project No.
Union Pacific Rail		Englewood Intermodal Yard, Houston, Texas	s 31406585.016
Photo No.	Inspection Date:		
55	4/17/2024	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A A A A A A A A A A A A A A A A A A A
Description:		SAN SAN	
Stall B096, some tar-l	like material observed at		ALC: NO
historical seep locatio	n along concrete joint,		
material removed.		Long and the main of the main of the	
		A CONTRACTOR OF THE OWNER OWNER OF THE OWNER OWNE OWNER OWNE	
Lat: 29.7842528		and the second second	
Long: -95.3206250			
		and a company of the second	and the second se
		DODE	a contraction of the second se
		BU90	
		Door	
		B096	
			1
		· · · · · · · · · · · · · · · · · · ·	
Photo No.	Inspection Date:		*
56 Description:	4/17/2024		
Description:		1 All the second se	
Stall B100, some tar-l	like material observed at	A State State	
	sphalt crack/ hole in the	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
asphalt, material remo	oved.		N. AND STREET
		State - Contraction -	
Lat: 29.7842528			
Long: - 95.3206250			
			and the second second
		The second s	
		A STATE AND A STAT	
		A DECEMBER OF THE PARTY OF THE	
		B100	
		DTOO D	
		and a provide	
		A CONTRACTOR AND A CONTRACT	A CONTRACT OF

visp					PH	OTOGRAPHIC LOG
Client Name:		Site Locat			Project No.	
Union Pacific Rail		Englewood	I Intermodal Yard, I	Houston, Texas	31406585.016	
Photo No.	Inspection Date:		2 A A	Y . 102	A TRAN	
57	4/17/2024			and and a second	the state	A DAY A CAR AND A CAR
Description: Stall B102 Joint, some at seep location along removed.	e tar-like material observed ı stall joint, material				54	
Lat: 29.7842203 Long: - 95.320827					erecent and	
				B102 Joint		
Photo No.	Inspection Date:					
58	4/17/2024			Steeler and	A Charles	and the second se
Description:				ASSALL COL		Printing and the second
Stall B102 (center), no	o tar-like material observed e pavement is cracked.					
Lat: 29.784769			where the second	Alex and		and so in
Lat: 29.784769 Long: -95.3195798				B10 Cent		

visp				PHOTOGRAPHIC LOC
Client Name:		Site Loca		Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:		and the second second	
59	4/17/2024	THE PARTY	1	
Description:		and the state		
Stall B105, no new tai the historical seep loc	r-like material observed at ation along asphalt crack.		A Company of the second	
Lat: 29.784209 Long: -95.320943		/.	Blos	
Photo No. 60 Description:	Inspection Date: 4/17/2024			CONTRACTOR OF
at seep location on co southern edge of the Lat: 29.784156	ar-like material observed oncrete joint along the excavated area.			
Long: -95.320953			B107	

wsp				PH	IOTOGRAPHIC LOG
Client Name: Site Loca				Project No.	
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016	
Photo No.	Inspection Date:				
61	4/24/2024				
Description:					
Stall B102 (center), no	o seep observed.				
Lat: 29.784769				and the second	
Long: -95.3195798					
		A A A	C		in the
				3102 enter	\mathbf{X}
Dista Na					
Photo No. 62	Inspection Date: 4/24/2024				L
02 Description:	4/24/2024				
	ar-like material observed ncrete joint along the excavated area.				
Lat: 29.784156 Long: -95.320953					
			B	107	

vsp				PHOTOGRAPHIC LOG
Client Name:		Site Locat		Project No.
Union Pacific Rail	Inspection Date:	Englewood	d Intermodal Yard, Houston, Texas	31406585.016
63	4/24/2024			
Description:	1/2 1/202 1	-		
Stall B057 (joint), no r	new tar-like material seep location at Test Pit			
Lat: 29.784747 Long: -95.319549				
		1	B057	
Photo No.	Inspection Date:	Sector Se		
64	4/24/2024	Lifert of	991	
Description: Sump 1 (B099/B100), sump, a sheen on the water color noted as I Lat: 29.7844000 Long: - 95.3205861	, 2.5 inches of freeboard in e water surface observed, ight brown.	BO	ese	

visp					РНО	TOGRAPHIC LOG
Client Name:		Site Locat	tion:		Project No.	
Union Pacific Rail		Englewood	d Intermodal Yard, Hou	ston, Texas	31406585.016	
Photo No.	Inspection Date:			10th 19-1	A The	MA
65	4/24/2024			March 1/2	All of the second	15 Carlos
Description: Sump 2 (B103/B104), sump. No odor or she as clear.	12 inches of freeboard in en observed, color noted					1 Contraction
Lat: 29.7842861 Long: - 95.3208611				B103 B104		
Photo No.	Inspection Date:	- An				
66	4/24/2024	- AL	- 11	and the second second	the start of	
Description: Sump 3 (B107/B108), sump, no sheen obse clear. Lat: 29.7844000 Long: - 95.3205861	11 inches of freeboard in rved, water color noted as				B107 B107	the second

wsp				PHOTOGRAPHIC LOG
Client Name:	rood	Site Loca		Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
67	Inspection Date: 4/24/2024		ACTION AND	
Description:	4/24/2024			
North side of Track 80	seep location near the			
Lat: 29.784947 Long: -95.321214		and	- Contraction	
			Track	
			802	
Photo No.	Inspection Date:			
68	4/24/2024	and the second s		
Description:				And the second s
small amount of seep	noted at Test Pit A010. A water is present in the halt behind the test pit			
		. 25		- Company
Lat: 29.785517		- 19		
Lat: 29.785517 Long: -95.31834		1 th		and the second s
J				and the state
			from the state	the is a second
		123-32	a set to the	A De partie
			A010	
		K	A A	7 - 2 - F
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	the second se

visp				PHOTOGRAPHIC LOG
Client Name:		Site Locat		Project No.
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Texas	31406585.016
Photo No. 69	Inspection Date:			
69 Description:	4/24/2024		the second have	
Stall A011. No new ta	r-like material observed at n along asphalt crack. /ed along cracks in			
Lat: 29.785467 Long: -95.318341				A011
Photo No.	Inspection Date:			
70	4/24/2024			
Description:				A state of the sta
	noted at Test Pit B013.			
Lat: 29.78532 Long:-95.31833			BO13	

vsp				PHOTOGRAPHIC LOG
Client Name: Union Pacific Rail	road	Site Loca Englewoo	u <b>tion:</b> Intermodal Yard, Houston, Texas	Project No. 31406585.016
Photo No.	Inspection Date:		,	
71	4/24/2024	Laborate -		
	e material observed at n along asphalt crack.			
Photo No. 72	Inspection Date: 4/24/2024			
Description:	4/24/2024	A. Area and a		A CONTRACTOR OF
	ike material observed at ng the edge, material		AO22	

visp				PHOTOGRAPHIC LOG
Client Name:		Site Loca		Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:			
73	4/24/2024	-		
Description:				
Stall A021. No seeps	s noted at Test Pit A021.			
Lat: 29.785387 Long: -95.318654			A021	
Photo No.	Inspection Date:			
74	4/24/2024			
Description:				
Stall B042. No new ta	ar-like material observed at		B042	

visp					PH	OG
Client Name:		Site Loca			Project No.	
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Tex	xas (	31406585.016	and the second
Photo No.	Inspection Date:				C. C. C. Star	1
75 Description:	4/24/2024					
RD-14 Seep location concrete road area no existing Track 802 see	orth of Track 802 (east of ep location), some new tar- l along a concrete joint.			RE	)-14	
Photo No.	Inspection Date:	a hours			and the second second	1155
76	4/24/2024					
Description:						
	r-like material observed at n along asphalt crack.					
Lat: 29.7847472 Long: -95.3195417			BOS	56		

wsp				PHOTOGRAPHIC LOG
Client Name:		Site Loca	tion:	Project No.
Union Pacific Rail		Englewoo	d Intermodal Yard, Houston, Tex	as 31406585.016
Photo No.	Inspection Date:		- And the second of	
77	4/24/2024			and the second second second second
Description: Stall B105, no new ta the historical seep loc	r-like material observed at ation along asphalt crack.			
Lat: 29.784209 Long: -95.320943			B10	05
Photo No.	Inspection Date:			
78	4/24/2024			
Description: Stalls A060 - A070, so previously observed a No new water seeps of southwest. Lat: 29.784858 Long: -95.319733	along cracks in pavement.			A060-ZO2

visp				РНО	TOGRAPHIC LOG
Client Name:		Site Locat		Project No.	
Union Pacific Rail		Englewood	d Intermodal Yard, Houston, Texa	s 31406585.016	
Photo No.	Inspection Date:				
79	4/24/2024				
Description:		the second second	1		
	r-like material observed at n along concrete joint next		PE-	07	
Lat: 29.7842528 Long: -95.3206250					
		-			
			B096		
Photo No.	Inspection Date:				
80	4/24/2024	And the second	And the second s		and the second second
Description: Stall B100, no new ta seep location along a asphalt.	r-like material observed at sphalt crack/ hole in the		1		
Lat: 29.7842528 Long: - 95.3206250				B100	

visp				PHOTOGRAPHIC LOG
Client Name:		Site Loca	tion:	Project No.
Union Pacific Rail	road	Englewoo	d Intermodal Yard, Houston, Texas	31406585.016
Photo No.	Inspection Date:	and the second second	and the second second	and the second
81	4/24/2024	-		
Description:			The second second	
Stall B102 Joint, no n observed at seep loca				
Lat: 29.7842203 Long: - 95.320827			B102 Joint	
Photo No.	Inspection Date:			
82	4/26/2024			T
Description: NAPL Collection Syst Lat: 29.7844000 Long: - 95.3205861	em Water Pump Down			



ATTACHMENT B

Waste Shipping Documentation

## BILL OF LADING-SHORT FORM-NOT NEGOTIABLE

A Course

inip f	Rom (geni	ERATOR N	ame):	*****		nin of rading line	nber:		
Name] Union Pacific Rail road [Street Address] 4910 Liberty Road [City, ST ZIP Code] Houston, TX 77026 [Phone#:]						BOL#: 135-24-0294 (BOL#=E30MI 30B #- FOR MULTIPLE LOADS, ADD -01, 02, ETC.)			
		JTY/CONS	ignee nap	4E:		TRANSPORTER/C	ARRIER NAME		
RECEIVING FACILITY/CONSIGNEE NAME: [Name] Delta Water Processing [Street Address] 18511 Beaumont Hwy [City, ST ZIP Code] Houston, Tx 77049 [Phone#:] (281) 404-4424 DISPOSAL BILL TO All Invoices must have a PO#: 035-2024-0033 Mail Invoices: E3 OMI PO Box 1300 Clinton, MS 39060 Email Invoices: admin@e3omi.com/ claraque@e3omi.com						Company Name: E3 OMI Transporter EPA #: TXD981055163 Vehicle/Unit/Trailer #: Roll box/Vac box/Tanker #:			
						X_WASTE DISPOSAL PICK-UP/DELIVERY WASHOUT IN PLANT WORK NO DISPOSAL			
Profile	l Instructio Approval# 井〇	EOMI 0559	91						
Con	ininere				Carrier Infor	nation			
No,	Type	Total Quantity	Unit Wt./Vol.	HM (X)	Commodity Desc Commodites requiring a packaged as to ensure a	cription/Material bedal or additional care or att are transportation with ordina	tention in handling or stowing must be to marked and ly care. See Section 2(e) of NMFC item 360		
1	n Transier (1990) Transier (19	0500	G		Non-DOT Regulate	ed Material (Oily water	)		
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	* 8					 			
	Note: List	ility limita	ition for los	s or dans	ige in this shipme	nt may be applicabl	le. See 49 USC § 14706(c)(1)(A) and (8).		
leceived,	subject to individ	tuelly determin	ed rates or contro carrier and shipp	sots that have	<ul> <li>Transporter</li> <li>Print Name:</li> </ul>				
stherwise	to the rates, da	ssifications, ars	rules that have I sper, on request,	been esteblish	sd Frink INGHIG.	alite and the second			
	state and feder			* - * * > * · · * 0 * 0 * 0 * 0 * 0 * 0 *	Signature:				
Ship	yer Signa	ture/Da //		E = I M	ON UI	n/ha	Transporter Pickup Date:		
This is to condition	Certify that the a for transportation	/*U/U/U bove-named m n according to I	aterials are propo the applicable reg	B() U . sty dassified, adations of the	/ <u>X</u> // ( packaged, marked, and lak a DOT.	8.07.3 seled, and are in proper	Carrier acknowledges receipt of packages and required placards. Carrier certifies emergency response information was made available and/or carrier has the DOT emergency response guidebook or equivalent documentation in the vehicle. Property described above is received in good order, except as noted.		
iceived	By Facility ((	Consignee)	,,						
v Crok	A second	en nord Para en	antalan /	4					
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Anthony McMullins, Corporate Waste Coordinator, E3 OMI, Deer Park 409-229-5858 File: BOL 10.04.23

## BILL OF LADING-SHORT FORM-NOT NEGOTIABLE

rom (gen	ERATOR N	AME):	· · · · · · · · · · · · · · · · · · ·		Bill of Lading Hur	1911 - 1917 - 1		
ame] Union Pacific Rail road [street Address] 4910 Liberty Road [City, ST ZIP Code] Houston, TX 77026 [Phone#:]						BOL#: 135-24-0294 (BOL#=E30MI JOB #- FOR MULTIPLE LOADS, ADD -01, 02, ETC.)		
'ing facii	LITY/COM	SIGNEE NAI			TRANSPORTER/C	CARRIER NAME		
: Address ST ZIP Co e#:] (281	18511 B de] Hous ) 404-442	leaumont I ton, Tx 77		<i>P</i> .	Vehicle/Unit/T Roll box/Vac b	PA #: TXD981055163		
vices must voices: E3 v	have a PC OMI PO Bo	x 1300 Clir	nton, MS 3	19060	· · · · · · · · · · · · · · · · · · ·	n, pick-up/delivery No disposal		
Approval#	EOMI 0559	) P 2		······		· · · · · · · · · · · · · · · · · · ·		
hinan				Carrier Inform	alon			
Type	Total Quantity	Unit Wt./Vol.	HM (X)	Commodity Desc	nption/Material	tention in handing or stowing must be so marked and ry care. See Section 2(e) of NVFC Itam 360		
Ţ	2560	G	7 7 8 9 9	Non-DOT Regulated	d Material (Oily water	)		
	nije en staare skraf			n na sense na sense na sense na sense se s		l and the second sec		
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Noto: Liai	ollity limita	ition for los	s or dans	go ir this chipmei	nt may be applicabl	ke. See 49 USC § 14706(c)(1)(A) and (B).		
sd upon in while	na between the	carrier and shipp	ver, if <i>s</i> oplicebl	e, i Drint Name				
ier and are avai	ilable to the ship	oper, on request,	and to all		Danie K	And And And		
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Anthony McMullins, Corporate Waste Coordinator, E3 OMI, Deer Park 409-229-5858 File: BOI. 10.04.23

## BILL OF LADING-SHORT FORM-NOT NEGOTIABLE

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ame] Union Pacific Rail road street Address] 4910 Liberty Road [City, ST ZIP Code] Houston, TX 77026 [Phone#:]						BOL#: 135- (bol#=e30MLJOB	24-0294 #-FOR MULTIPLE LOADS, ADD -01, 02, ETC.)	
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RECEIVING FACILITY/CONSIGNEE NAME: [Name] Delta Water Processing [Street Address] 18511 Beaumont Hwy [City, ST ZIP Code] Houston, Tx 77049 [Phone#:] (281) 404-4424						Company Name: E3 OMI Transporter EPA #: TXD981055163 Vehicle/Unit/Trailer #: Roll box/Vac box/Tanker #:		
	SAL BILL T	******				JOB TYPE		
All Invoices must have a PO#: 035-2024-0033 Mail invoices: E3 OMI PO Box 1300 Clinton, MS 39060 Email invoices: admin@e3omi.com/ claraque@e3omi.com					9060	X WASTE DISPOSA WASHOUT IN PLANT WORK	l pick-up/delivery No disposal	
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TINC IV								

Anthony McMullins, Corporate Waste Coordinator, E3 OMI, Deer Park 409-229-5858 Hiel BOL 10.04.23