

December 5, 2019

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, Inc. (Golder), on behalf of Union Pacific Railroad Company (UPRR), is pleased to provide this monthly status update for November 2019 for the implementation of the cap repairs identified in the Updated Post-Response Action Care Report (PRACR) dated January 16, 2018 for 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 brief description of the current status of the repairs is provided below:

The non-aqueous phase liquid (NAPL) Collection System was installed in the Englewood Intermodal Yard to address the tar-like substance seeps within parking slots B100 to B109 (for container trailers). The following is a summary of the observations from the weekly inspections of the NAPL Collection System for November (photographs of from the weekly inspections are provided in Attachment A):

- No significant amount of NAPL has been visually observed within NAPL collection Sump 1 (B099/B100 slots) or Sump 2 (B103/B104 slots). A small amount of dense NAPL (DNAPL) appearing as a tar-like substance was recovered from Sump 3 (B107/B108 slots) on November 13, 2019. Less than 0.1 gallons were recovered.
- Water continues to collect in the NAPL collection sumps. Water tends to collect more rapidly in Sump 1 compared to Sumps 2 or 3 following pump down events. No pump downs of the sumps were conducted in November. The previous pump down was conducted on October 29, 2019.

- For areas outside the NAPL Collection System, very small amounts of tar-like material were noted near or within stalls B096 and B101 where previous seeps have been observed. The amount of the tar-like material seeping has significantly decreased over the past month. Less than 0.1 gallons of the tar-like material was recovered during November.
- There were no water seeps noted in the Englewood Intermodal Yard area during the weekly inspections in November, similar to the September and October 2019 inspections.

Weekly site inspections of the NAPL Collection System and Englewood Intermodal Yard concrete pavement near the collection system will continue to be conducted. In response to the TCEQ letter dated August 9, 2019, a notation on the presence of NAPL in each sump and tabulation of depth and thickness of NAPL if detected, and a tabulation of total contaminant mass of NAPL recovered from each sump will be provided. Through November 2019, no NAPL has been detected in the sumps using the interface probe.

If you have any questions or need additional information, please feel free to call me at (512) 671-3434 or Mr. Kevin Peterburs of UPRR at (414) 267-4164.

Sincerely,

Golder Associates Inc.



Eric C. Matzner, P.G.
Principal / Program Leader

ECM

CC: Mr. Kevin Peterburs, UPRR – Milwaukee, WI
Ms. Alma Jefferson, Waste Section Manager, TCEQ Region 12, Houston

Attachment Weekly Inspection Photolog

[https://golderassociates.sharepoint.com/sites/116841/project files/6 deliverables/pracr/tceq comment letter/2019-11 november monthly update/houston, tx-wpw-swir 31547 - monthly status update - cap repairs 201911.docx](https://golderassociates.sharepoint.com/sites/116841/project%20files/6%20deliverables/pracr/tceq%20comment%20letter/2019-11%20november%20monthly%20update/houston,tx-wpw-swir%2031547%20-%20monthly%20status%20update%20-%20cap%20repairs%20201911.docx)

ATTACHMENT A

Weekly Inspection Photolog



PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Houston, Texas	Project No. 19119232
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Photo No. 1	Date: 11/06/2019
Description: Slot A010, no tar-like material seeps observed, looking south.	



Photo No. 2	Date: 11/06/2019
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Description: Slot A021, no tar-like material seeps observed, looking south.	
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PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Houston, Texas	Project No.: 19119232
Photo No.: 3	Date: 11/06/2019		
Description: Slot B096, no tar-like material seeps observed, looking north			
Photo No.: 4	Date: 11/06/2019		
Description: Slot B057, no tar-like material seeps observed, looking north. Residual staining noted in foreground of photo.			



PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Houston, Texas	Project No.: 19119232
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Photo No.: 5	Date: 11/06/2019
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Description:
Slot B102, no tar-like material seeps observed, looking north.



Photo No.: 6	Date: 11/06/2019
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Description:
Slot B104, view of NAPL Collection System (Sump 103/104 in foreground). No tar-like material seeps observed, looking north.





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Houston, Texas

Project No.
19119232

Photo No.
7

Date:
11/06/2019

Description:

Slot B108, view of NAPL Collection System (Sump 107/108 in foreground). No tar-like material seeps observed, looking north.



Photo No.
8

Date:
11/06/2019



Description:

Frac tank for storage of pumped down water from NAPL Collection Sumps (in Slot B110), some stormwater noted in secondary containment, looking northwest.





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad		Site Location: Englewood Houston, Texas	Project No.: 19119232
Photo No.: 9	Date: 11/13/2019		
Description: Slot B013, no tar-like material seeps observed, looking north.			
Photo No.: 10	Date: 11/13/2019		
Description: Slot B094, looking east. Residual staining along joint running east-west. No seep water noted.			



PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Houston, Texas	Project No. 19119232
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Photo No. 11	Date: 11/13/2019
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Description:

Slot B096, very small amount of tar-like material seeping at joint. Material was removed.



Photo No. 12	Date: 11/13/2019
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Description:

Slot B098, looking west. No tar-like seeps noted within the NAPL Collection System area, Sump B099/B100 left of center of photo.





PHOTOGRAPHIC LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Houston, Texas

Project No.
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Photo No.
13

Date:
11/13/2019

Description:

Sump B099/B100, approx. 7 inches of freeboard in sump, no sheen or odors noted.



Photo No.
14

Date:
11/13/2019

Description:

Sump B107/B108, approx. 29 inches of freeboard in sump, no sheen or odors noted. However, small amount of tar-like material removed from bottom of sump.





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Houston, Texas	Project No. 19119232
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Photo No. 15	Date: 11/19/2019
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Description:

Slots B100-B094, looking east, no tar-like material seeps noted NAPL observed



Photo No. 16	Date: 11/19/2019
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Description:

Slot B096, very small amount of tar-like material seeping at joint, material was removed.





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Houston, Texas	Project No.: 19119232
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Photo No.: 17	Date: 11/19/2019
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Description:

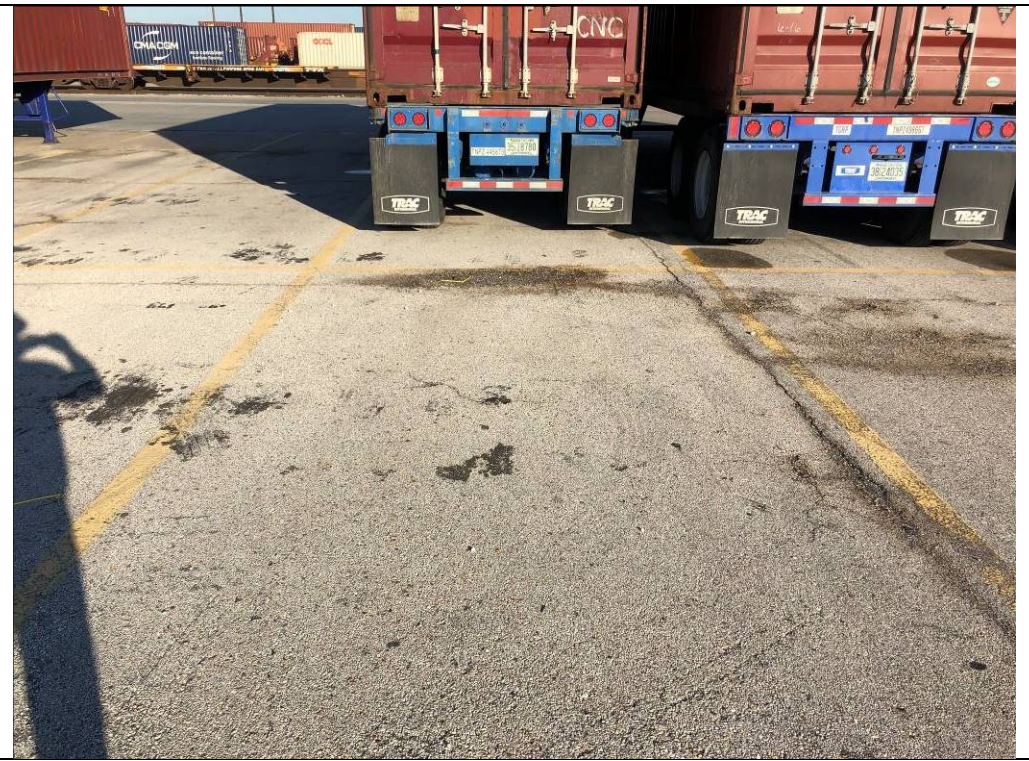
Slot B057, no tar-like material seeps observed, looking north.



Photo No.: 18	Date: 11/19/2019
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Description:

Slot B099, no tar-like material seeps observed, looking north.





PHOTOGRAPHIC LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Houston, Texas	Project No. 19119232
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Photo No. 19	Date: 11/19/2019
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Description:

Sump B099/B100, approx. 4 inches of freeboard in sump, no sheen or odors noted



Photo No. 20	Date: 11/19/2019
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Description:

Sump B103/B104, approx. 26 inches of freeboard in sump, no sheen or odors noted.

