



May 31, 2019

Project No. 30401358

**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 May 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 May (photographs provided in Attachment A):

- No significant amount of NAPL has been visually observed within the three NAPL collection sumps (Sump 1 (B099/B100 slots), Sump 2 (B103/B104 slots), and Sump 3 (B107/B108 slots)). However, as discussed in the April 2019 update, water has collected within the NAPL collection sumps. The water in Sump 1 was observed as being dark brown in color (no odor or observable characteristics of petroleum hydrocarbons were observed). The water in the sumps was pumped out on May 9<sup>th</sup> (pumped roughly half of the water from the sumps, approximately 5,000 gallons) and again on May 24, 2019 (pumped most of the water present in the sumps). During the May 24, 2019 pump down, NAPL with the water was noted in the vacuum truck. Since there was NAPL recovered, the fluids were transferred to a frac tank and separate samples of the water and NAPL were collected to recharacterize the recovered fluids for disposal. Samples of the fluids were collected on May 24,

2019. Once the analytical data from the water and NAPL samples are received and reviewed, the fluids will be characterized and scheduled for disposal.

- None of the tar-like material seeps were noted on the south end of stall B106 along the concrete joint with the NAPL Collection System.
- For areas outside the NAPL Collection System, very small amounts of tar-like material were noted near or within stalls B013, B057, B096, B101, B102, B105, and B108 where previous seeps have been observed. The small amount of observed tar-like material was scrapped up and placed on a drum on site.
- Areas of brown stains on the concrete pavement and evidence of seeps of a dark brown to black water were observed along cracks in the pavement and low-lying areas. The staining and seeps were observed throughout the B-Row (predominately in the B090 – B098 area) but were also observed within the A-Row and C-Row. On May 23, 2019, UPRR contractor United States Environmental Services (USES) was called to the Site to pressure wash the areas and collect the fluids, which were placed in a tote on site. USES returned to the site on May 28, 2019 and pressure washed the area and recovered the fluids with a vacuum truck. Based on observations during the pressure washing, the dark brown to black water does not appear to be related to petroleum hydrocarbons (no sheen, no odor, and can be removed with pressure washer). However, a sample of the recovered water stored in the tote will be collected for characterization to evaluate if there are any petroleum hydrocarbons present. UPRR will continue to have USES conduct weekly site visits to recover the water from the seep areas.

Weekly site inspections of the NAPL Collection System and Englewood Intermodal Yard concrete pavement near the collection system will continue to be conducted. Details of the characterization of the dark brown/black water will be provided in the monthly update for June 2019.

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.  
*Program Leader/ Associate*

ECM

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

Attachment NAPL Collection System Inspection Photographs -May

j:\1358 - uprr houston preserving works\prac\TCEQ comment letter\houston, tx - wood preserving works - swr 31547 - monthly status update - cap repairs 20190531.docx

**ATTACHMENT**



**Client Name:**  
**Union Pacific Railroad**

**Site Location:**  
Englewood Intermodal Yard/Houston Wood Preserving  
Works, 4910 Liberty Road, Houston, Texas

**Project No.**  
19119232

**Photo No.**  
**1**

**Date:**  
5/01/19

**Description:**

**Slots B104 – B109:**

View of NAPL  
Collection System  
(Slots B104 – B109)  
was installed, looking  
east.



**Photo No.**  
**2**

**Date:**  
05/01/19

**Description:**

**Slot B102:**

View of slot B102,  
looking north, very  
small amount of tar-like  
material observed in  
concrete joint.







**Client Name:**  
**Union Pacific Railroad**

**Site Location:**  
 Englewood Intermodal Yard/Houston Wood Preserving  
 Works, 4910 Liberty Road, Houston, Texas

**Project No.**  
 19119232

**Photo No.**  
**3**

**Date:**  
 05/01/19

**Description:**

**B99-B100 Sump:**  
 View of B99-B100 sump as part of the NAPL Collection System, looking north, note dark brown colored water pooled in the inflow protector.



**Photo No.**  
**4**

**Date:**  
 05/08/19

**Description:**

**Slot B96:**  
 View of slot B96, very small amount of tar-like substance seep.







**Client Name:**  
Union Pacific Railroad

**Site Location:**  
Englewood Intermodal Yard/Houston Wood Preserving  
Works, 4910 Liberty Road, Houston, Texas

**Project No.**  
19119232

**Photo No.**  
5

**Date:**  
05/08/19

**Description:**

**B103-B104 Sump:**  
View of B103-B104  
Sump near full with  
water, slight sheen  
noted on the water.



**Photo No.**  
6

**Date:**  
05/17/19

**Description:**

**Slot B106:**  
View of slot B106,  
looking north, no tar-  
like material observed  
in concrete joint.







**Client Name:**  
Union Pacific Railroad

**Site Location:**  
Englewood Intermodal Yard/Houston Wood Preserving Works, 4910 Liberty Road, Houston, Texas

**Project No.**  
19119232

**Photo No.**  
7

**Date:**  
05/17/19

**Description:**

**Slot B96 Area:**

View of slot B96 area looking east, areas of dark, brown water staining on the pavement.



**Photo No.**  
8

**Date:**  
05/17/19

**Description:**

**Slot B13:**

View of slot B013, dark, brown water stains in cracks in asphalt.







**Client Name:**  
Union Pacific Railroad

**Site Location:**  
Englewood Intermodal Yard/Houston Wood Preserving Works, 4910 Liberty Road, Houston, Texas

**Project No.**  
19119232

**Photo No.**  
9

**Date:**  
05/23/19

**Description:**

**Slot B095:**

View of slot B095, looking north, large area of dark staining, concentrated around cracks and joints of the asphalt.



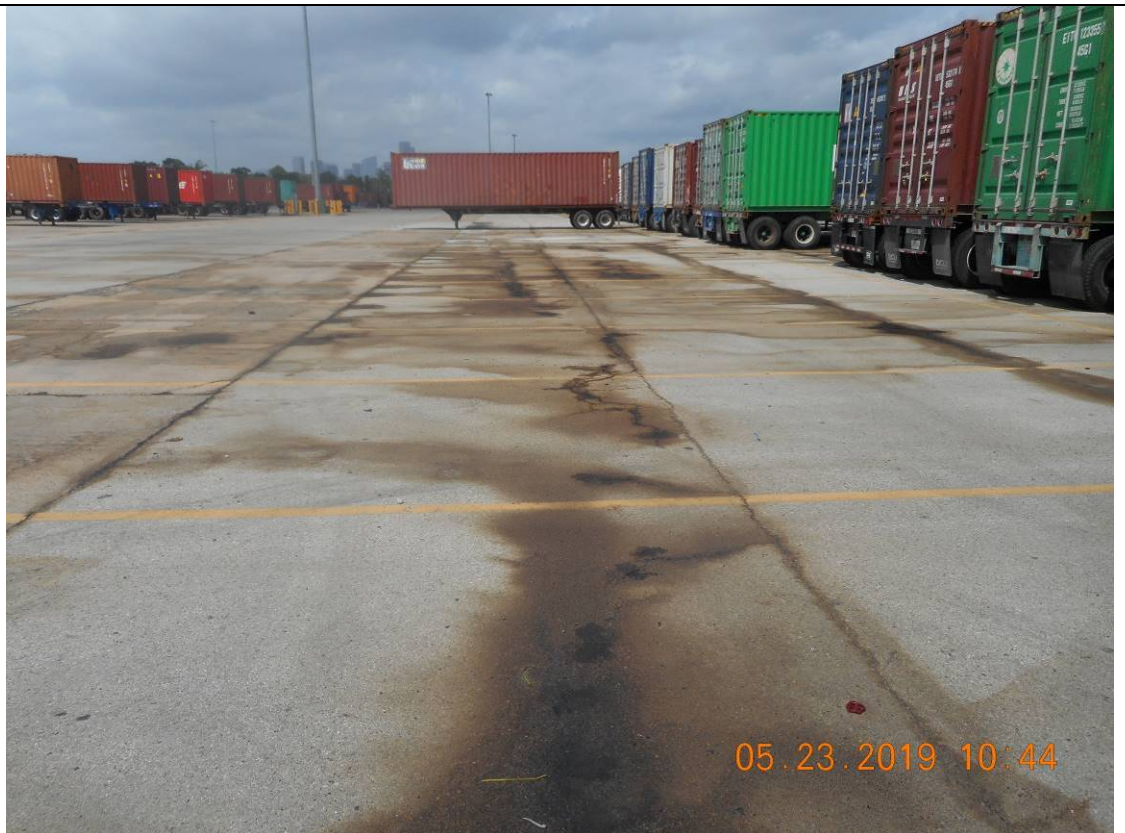
**Photo No.**  
10

**Date:**  
05/23/19

**Description:**



**B-Row Slots:**

View of B-Row slots looking west, large area of dark staining, concentrated around cracks and joints of the asphalt.







<b>Client Name:</b> Union Pacific Railroad		<b>Site Location:</b> Englewood Intermodal Yard/Houston Wood Preserving Works, 4910 Liberty Road, Houston, Texas	<b>Project No.</b> 19119232
<b>Photo No.</b> 11	<b>Date:</b> 05/23/19		
<b>Description:</b>  <b>B-Row Slots:</b> View of B-Row slots looking west, after pressure washing area of dark staining			
<b>Photo No.</b> 12	<b>Date:</b> 05/28/19		
<b>Description:</b>  <b>B-Row Slots:</b> View of B-Row slots looking east, after pressure washing area of dark staining and recovery with vacuum truck.			



**Client Name:**  
Union Pacific Railroad

**Site Location:**  
Englewood Intermodal Yard/Houston Wood Preserving Works, 4910 Liberty Road, Houston, Texas

**Project No.**  
19119232

**Photo No.**  
13

**Date:**  
05/23/19

**Description:**

**Slot B106:**  
View of slot B106, no tar-like material observed in concrete joint.



**Photo No.**  
14

**Date:**  
05/28/19

**Description:**

**B103-B104 Sump:**  
View of B103-B104 Sump after pump down on May 24, 2019.

