



November 22, 2024

Project No. 31406585.016

**Mr. Gerald Wick**

MC-127

VCP-CA Section, Remediation Division

Texas Commission on Environmental Quality

P.O. Box 13087

Austin, TX 78711-3087

**RE: DNAPL RECOVERY ACTIVITIES QUARTERLY REPORT – 3<sup>RD</sup> QUARTER 2024  
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), submits this 3<sup>rd</sup> Quarter 2024 summary report for the dense non-aqueous phase liquid (DNAPL) recovery activities conducted at the UPRR Houston Wood Preserving Works Facility (the Site).

**DNAPL Recovery Summary 3<sup>rd</sup> Quarter 2024**

Below is a summary of the DNAPL recovery activities for the 3<sup>rd</sup> Quarter 2024:

- DNAPL was recovered from six wells during the 3<sup>rd</sup> Quarter 2024. Four recovery wells (MW-32B, MW-70B, MW-74B, and MW-75B) exhibited measurable DNAPL (greater than a trace) during at least one of the six semi-monthly events during the 3<sup>rd</sup> Quarter 2024. Wells MW-12B and MW-41B exhibited recoverable DNAPL during each event even though the groundwater/DNAPL interface was not measurable as it remained below the dedicated pumps in both wells. No more than a trace of DNAPL was measured in six wells (MW-23C, MW-45C, MW-49A, MW-57B, MW-68B, and MW-78A) with no DNAPL recovery from these wells during the 3<sup>rd</sup> Quarter. Well MW-44C was not measured or sampled during the 3<sup>rd</sup> Quarter 2024 due to damage which obstructed access to the well. Well MW-49B was not measured or sampled during the 3<sup>rd</sup> Quarter 2024 due to a trailer obstructing access to the well. A total of approximately 3.3 gallons of DNAPL were recovered during the 3<sup>rd</sup> Quarter 2024.

**DNAPL Recovery Procedures**

As detailed in the Response Action Plan (RAP) dated November 24, 2014, a 24-month DNAPL recovery pilot test, consisting of manual DNAPL recovery from selected wells on a monthly basis, was conducted at the Site. Following the 24-month pilot testing period, the DNAPL recovery activities continued monthly following the same procedures detailed in the RAP. In response to the Texas Commission on Environmental Quality (TCEQ) Technical Notice of Deficiency dated April 11, 2019, the DNAPL recovery frequency was increased to bi-monthly (twice a month) in June 2019.

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The following monitoring wells are part of the current DNAPL recovery activities:

| Well Name | Zone |
|-----------|------|
| MW-57A    | A-TZ |
| MW-78A    | A-TZ |
| MW-49A    | A-TZ |
| MW-12B    | B-TZ |
| MW-32B    | B-CZ |
| MW-33BR   | B-CZ |
| MW-41B    | B-TZ |
| MW-49B    | B-CZ |
| MW-57B    | B-CZ |
| MW-68B    | B-TZ |
| MW-70B    | B-CZ |
| MW-74B    | B-TZ |
| MW-75B    | B-CZ |
| MW-23C    | C-TZ |
| MW-34CR   | C-TZ |
| MW-44C    | C-TZ |
| MW-45C    | C-TZ |
| MW-46C    | C-TZ |

The locations of the DNAPL recovery wells are shown on Figure 1.

DNAPL recovery activities consist of measuring the depth to groundwater surface, the depth to groundwater/DNAPL interface, and the total depth of the well relative to the top of casing prior to DNAPL recovery. DNAPL recovery from each well is then performed using a peristaltic pump or submersible pump. Beginning in October 2019, the DNAPL encountered in MW-12B and MW-41B was too thick for the submersible pump to efficiently recover. Two stainless steel pneumatic pulse pumps (gas displacement pumps) from QED Environmental Systems (Model LP1301) were installed in MW-12B and MW-41B on March 30, 2020. These pumps are designed for recovering the more viscous liquids observed in these wells. DNAPL is pumped from the bottom of each well until groundwater returns in the pump discharge. The volume of recovered DNAPL is estimated from each well based on the volume pumped, and the well is gauged to measure the total depth of the well and depth to DNAPL following pumping. Recovered DNAPL from all the wells is consolidated into a 55-gallon drum and temporarily stored at the Containment Storage Area at the Site pending disposal at TCEQ-permitted facilities including the Clean Harbors Deer Park Facility in La Porte, Texas or the US Ecology Robstown Facility in Robstown, Texas. The most recent waste manifest for the disposal of recovered DNAPL and groundwater is provided in Attachment 1.

### **3rd Quarter 2024 DNAPL Recovery Activities**

A summary of the DNAPL recovery measurements from February 2013 through September 2024 is provided in Table 1. DNAPL thicknesses listed on the table and referenced in this letter are “in-well thicknesses”. A graph of the cumulative DNAPL thicknesses measured prior to each recovery effort over time from February 2013 through September 2024 is presented on Figure 2. Individual graphs for each groundwater bearing unit

(GWBU) and/or portion of the Site from July 2018 through September 2024 are presented on Figures 3 through 7. Field notes for the August 22, 2024 recovery event were lost and have not been included in the report. Observations from the 3<sup>rd</sup> Quarter 2024 gauging and recovery activities are provided below for each of the GWBUs:

- A-TZ Wells: Recovery wells MW-49A, MW-57A, and MW-78A completed in the A-TZ were evaluated for DNAPL recovery during this period (graph of DNAPL thickness from July 2018 through September 2024 shown on Figure 3).
  - **MW-49A**: No measurable DNAPL was detected during any of the 3<sup>rd</sup> Quarter recovery events; however, trace amounts of DNAPL were detected on July 25<sup>th</sup> and September 5<sup>th</sup>. No DNAPL was measured during the other three recovery events. No DNAPL was recovered from MW-49A during 3<sup>rd</sup> Quarter 2024.
  - **MW-57A**: No measurable or trace amount of DNAPL was detected during any of the 3<sup>rd</sup> Quarter recovery events. Measurable DNAPL has not been recorded in MW-57A since August 2015. No DNAPL was recovered from MW-57A during 3<sup>rd</sup> Quarter 2024.
  - **MW-78A**: No measurable DNAPL was detected during any of the 3<sup>rd</sup> Quarter recovery events; however, trace amounts of DNAPL were detected on September 19<sup>th</sup>. No DNAPL was measured during the other four recovery events. No DNAPL was recovered from MW-49A during 3<sup>rd</sup> Quarter 2024.
- B-TZ Wells (West Side): Recovery wells MW-12B and MW-41B completed in the B-TZ were evaluated for DNAPL recovery during this period (graph of DNAPL thickness from July 2018 through September 2024 shown on Figure 4).
  - **MW-12B**: During the 3<sup>rd</sup> Quarter 2024 recovery events at MW-12B, the groundwater/DNAPL interface was below the top of the pneumatic pulse pump. As a result, the interface probe could not get past the pump assembly and it was not possible to record a DNAPL thickness in the well. The pump length is approximately 1.55 feet. Based on the measured length of the pump assembly, the assumption is that there is less than approximately 1.5-2 feet of DNAPL in the well. Approximately 0.3 gallons of DNAPL were recovered from MW-12B using the pneumatic pump during the 3<sup>rd</sup> Quarter 2024.
  - **MW-41B**: Similar to MW-12B, the top of the groundwater/DNAPL interface in MW-41B was below the top of the pneumatic pulse pump during the 3<sup>rd</sup> Quarter 2024. Based on measured length of the pump assembly, the assumption is there is less than approximately 1.5-2 feet of DNAPL in the well. Approximately 0.9 gallons of DNAPL were recovered from MW-41B using the pneumatic pump during the 3<sup>rd</sup> Quarter 2024.
- B-TZ/B-CZ Wells (North (on-site and off-site)): Recovery wells MW-32B, MW-33BR, MW-57B, MW-68B, and MW-70B completed in either the B-TZ or B-CZ on the north side of the Site or off-site to the north were evaluated for DNAPL recovery during this period (graph of DNAPL thickness from July 2018 through September 2024 shown on Figure 5).
  - **MW-32B (off-site)**: Following the redevelopment of MW-32B during the 3<sup>rd</sup> Quarter 2022, DNAPL thickness observed in the well increased in October 2022 to 8.7 feet but has since

shown a decline through the 4<sup>th</sup> Quarter 2023. Since then, DNAPL thickness in the well has been relatively stable at or less than 1-foot thick except during the September 5<sup>th</sup> event where the thickness increased to 1.5 feet. Approximately 0.95 gallons of DNAPL were recovered from MW-32B during the 3<sup>rd</sup> Quarter 2024.

- **MW-33BR (off-site):** No measurable or trace amount of DNAPL was detected during any of the 3<sup>rd</sup> Quarter recovery events. No DNAPL was recovered from MW-33BR during 3<sup>rd</sup> Quarter 2024.
- **MW-57B (on-site):** No measurable DNAPL was detected during any of the 3<sup>rd</sup> Quarter recovery events; however, trace amounts of DNAPL were detected on July 11<sup>th</sup>, July 25<sup>th</sup>, August 8<sup>th</sup>, September 5<sup>th</sup>, and September 19<sup>th</sup>. No DNAPL was recovered from MW-57B during 3<sup>rd</sup> Quarter 2024.
- **MW-68B (off-site):** No measurable DNAPL was detected during any of the 3<sup>rd</sup> Quarter recovery events; however, trace amounts of DNAPL were detected on July 11<sup>th</sup>, September 5<sup>th</sup>, and September 19<sup>th</sup>. No DNAPL was recovered from MW-68B during 3<sup>rd</sup> Quarter 2024.
- **MW-70B (off-site):** Measurable DNAPL was detected during the 3<sup>rd</sup> Quarter 2024 on August 8<sup>th</sup>, September 5<sup>th</sup>, and September 19<sup>th</sup>, measuring 0.5 feet in thickness. On July 11<sup>th</sup> and July 25<sup>th</sup>, only a trace amount of DNAPL was detected. During the 3<sup>rd</sup> Quarter 2024, 0.1 gallons of DNAPL were recovered from MW-70B.
- **B-TZ/B-CZ Wells (Englewood Intermodal Yard):** Recovery wells MW-49B, MW-74B, and MW-75B in the Englewood Intermodal Yard completed in the B-CZ and B-TZ were evaluated for DNAPL recovery during this period (graph of DNAPL thickness from July 2018 through September 2024 shown on Figure 6).
  - **MW-49B:** During the 3<sup>rd</sup> Quarter 2024, MW-49B was not accessible due to a field trailer obstructing access to the well. No measurements or sampling have occurred from November 2023 to September 2024 due to the obstruction. Even though the well was redeveloped in August 2022, recent total depth measurements at MW-49B have been approximately 7 feet shallower than the well construction depth and suggest that the well has an obstruction or casing failure. The well will be plugged, abandoned, and replaced at a later date.
  - **MW-74B:** Measurable DNAPL was detected during the 3<sup>rd</sup> Quarter 2024 measuring 1 foot in thickness on July 11<sup>th</sup>, and July 25<sup>th</sup>. On August 8<sup>th</sup>, September 5<sup>th</sup> and September 19<sup>th</sup> only a trace amount of DNAPL was detected. Approximately 0.65 gallons of DNAPL were recovered from MW-74B during the 3<sup>rd</sup> Quarter 2024.
  - **MW-75B:** Measurable DNAPL was detected during the 3<sup>rd</sup> Quarter 2024 on September 19<sup>th</sup>, measuring 1 ft. in thickness. On July 11<sup>th</sup> and September 5<sup>th</sup>, only a trace amount of DNAPL was detected. A total of 0.4 gallons of DNAPL were recovered from MW-75B during the 3<sup>rd</sup> Quarter 2024.
- **C-TZ Wells:** Wells MW-23C, MW-34CR, MW-44C, MW-45C, and MW-46C completed in the C-TZ were evaluated for DNAPL recovery (graph of DNAPL thickness from July 2018 through September

2024 shown on Figure 7).

- **MW-23C:** No measurable DNAPL was detected during any of the 3rd Quarter recovery events; however, trace amounts of DNAPL were detected on August 8<sup>th</sup> and September 19<sup>th</sup>. No DNAPL was recovered from MW-23C during 3<sup>rd</sup> Quarter 2024.
- **MW-34CR:** In May 2014, replacement well MW-34CR was installed and gauged as part of the DNAPL recovery program. However, no DNAPL has been detected in this well. No measurable or trace amount of DNAPL was detected during any of the 3rd Quarter recovery events. Given the absence of DNAPL in this well, a graph for MW-34CR is not included in Figure 7.
- **MW-44C:** The total depth measurement at MW-44C was approximately 10 feet higher than the well construction depth, suggesting that the well had appeared to have silted up. MW-44C was re-developed on July 24, 2020. Over 10 feet of silt was removed, and the final measured depth of the well was within a foot of the original total depth. During the next recovery event in early August 2020, the well appeared to have silted up again. Redevelopment was attempted a second time on October 1, 2020, but it was unsuccessful. The well will be plugged, abandoned, and replaced with a proposed recovery well, as detailed in the RAP dated August 31, 2020, once the RAP is approved.
- **MW-45C:** No measurable DNAPL was detected during any of the 3<sup>rd</sup> Quarter recovery events; however, a trace amount of DNAPL was detected on July 11<sup>th</sup>. No DNAPL was recovered from MW-45C during 3<sup>rd</sup> Quarter 2024.
- **MW-46C:** No measurable or trace amount of DNAPL was detected during any of the 3rd Quarter recovery events. No DNAPL was recovered from MW-46C during 3<sup>rd</sup> Quarter 2024.

DNAPL Recovery: From February 2013 to September 2024, an estimated 1,090 gallons of creosote DNAPL have been recovered from the wells at the Site. Monthly DNAPL recovery volumes increased after the January 2015 event due to a change in pumping techniques. Recovery volumes began to decline in 2020 and decreased significantly beginning in September 2021. Eleven of the wells were redeveloped in August 2022 and two additional wells were redeveloped in October 2022. Following the redevelopment, DNAPL recovery volumes increased. Well development of two wells occurred in January/February 2024 prior to the sitewide semi-annual groundwater sampling event. No changes in DNAPL recovery occurred after redevelopment. During 3<sup>rd</sup> Quarter 2024, an average of 0.8 gallons of DNAPL were recovered per recovery and approximately 5 gallons total were recovered during the 3<sup>rd</sup> Quarter 2024 (Table 1). UPRR will continue to monitor the DNAPL thicknesses twice per month as described in the response to the TCEQ 4<sup>th</sup> Technical Notice of Deficiency (TNOD) letter (April 11, 2019).

If you have any questions or need additional information, please feel free to call us at (512) 220-7459 or Mr. Kevin Peterburs of UPRR at (414) 267-4164.

Sincerely,

**WSP USA INC**



Matthew K. Wickham, P.G.

*Vice-President/Team Lead*



Texas Geoscience Firm No. 50561

CC: Waste Program Manager, TCEQ Region 12, Houston  
Mr. Kevin Peterburs, UPRR – Milwaukee, WI

Attachments: Table 1 - Summary of DNAPL Recovery Measurements  
Figure 1 – In-Well DNAPL Thickness – September 19, 2024  
Figure 2 - DNAPL Recovery Activities February 2013 – September 2024  
Figure 3 – A-TZ Wells – DNAPL Recovery Activities July 2018 – September 2024  
Figure 4 – B-TZ Wells (West Side) – DNAPL Recovery Activities July 2018 – September 2024  
Figure 5 – B-CZ/B-TZ Wells (North (On-Site and Off-Site) – DNAPL Recovery Activities July 2018 – September 2024  
Figure 6 – B-CZ/B-TZ Wells (Englewood Intermodal Yard) – DNAPL Recovery Activities July 2018 – September 2024  
Figure 7 – C-TZ Wells – DNAPL Recovery Activities July 2018 – September 2024  
Attachment 1 – Recovered DNAPL Waste Manifest

## TABLES

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-12B           |                  |                            |                          | MW-23C           |                  |                            |                          | MW-32B           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 2/14/2013              | 9.06             | 39.87            | 5.93                       | 2.5                      | NM               | NM               | NM                         | 0                        | 6.01             | 30.06            | 6.23                       | 2                        |
| 4/3/2013               | 9.41             | 39.95            | 5.85                       | 1.0                      | NM               | NM               | NM                         | 0                        | 4.86             | 33.61            | 2.68                       | 1                        |
| 4/22/2013              | 8.61             | 31.64            | 14.16                      | 0.5*                     | NM               | NM               | NM                         | 0                        | 5.62             | 36.08            | 0.21                       | 0.3                      |
| 5/30/2013              | 8.47             | 37.62            | 8.18                       | 1.5*                     | NM               | NM               | NM                         | 0                        | 5.86             | 32.21            | 4.08                       | 2                        |
| 6/29/2013              | 9.62             | 38.22            | 7.58                       | 1.5                      | NM               | NM               | NM                         | 0                        | 6.79             | 33.59            | 2.7                        | 1.5                      |
| 7/22/2013              | 11.16            | 39.04            | 6.76                       | 1.0                      | NM               | NM               | NM                         | 0                        | 7.14             | 33.91            | 2.38                       | 1.5                      |
| 8/26/2013              | 11.31            | 39.61            | 6.19                       | 1.0                      | NM               | NM               | NM                         | 0                        | 7.48             | 33.83            | 2.46                       | 1                        |
| 9/27/2013              | 11.17            | 40.63            | 5.17                       | 1.0                      | NM               | NM               | NM                         | 0                        | 7.23             | 34.39            | 1.9                        | 1                        |
| 10/31/2013             | 11.09            | 43.71            | 2.09                       | 1.0                      | NM               | NM               | NM                         | 0                        | 7.16             | 34.96            | 1.33                       | 0.5                      |
| 11/27/2013             | 11.17            | 44.06            | 1.74                       | 1.0                      | NM               | NM               | NM                         | 0                        | 7.29             | 35.03            | 1.26                       | 0.5                      |
| 12/31/2013             | 11.02            | 44.62            | 1.18                       | 1.0                      | NM               | NM               | NM                         | 0                        | 7.16             | 35.16            | 1.13                       | 0.5                      |
| 1/30/2014              | 11.34            | 45.12            | 0.68                       | 1.0                      | NM               | NM               | NM                         | 0                        | 6.72             | 34.82            | 1.47                       | 0.5                      |
| 3/3/2014               | 11.17            | 44.32            | 1.48                       | 1.0                      | NM               | NM               | NM                         | 0                        | 6.53             | 34.52            | 1.77                       | 0.5                      |
| 3/31/2014              | 11.03            | 44.53            | 1.27                       | 1.0                      | NM               | NM               | NM                         | 0                        | 6.29             | 34.21            | 2.08                       | 0.5                      |
| 4/30/2014              | 10.92            | 44.26            | 1.54                       | 1.0                      | NM               | NM               | NM                         | 0                        | 6.42             | 34.67            | 1.62                       | 0.5                      |
| 5/27/2014              | 10.81            | 44.34            | 1.46                       | 1.0                      | NM               | NM               | NM                         | 0                        | 6.36             | 34.72            | 1.57                       | 0.5                      |
| 6/26/2014              | 10.72            | 44.61            | 1.19                       | 1.0                      | NM               | NM               | NM                         | 0                        | 6.21             | 34.61            | 1.68                       | 0.5                      |
| 7/31/2014              | 10.13            | 44.96            | 0.84                       | 1.0                      | NM               | NM               | NM                         | 0                        | 6.06             | 34.33            | 1.96                       | 0.3                      |
| 8/27/2014              | 10.26            | 45.12            | 0.68                       | 1.0                      | NM               | NM               | NM                         | 0                        | 6.18             | 34.98            | 1.31                       | 0.3                      |
| 10/3/2014              | 10.17            | 44.91            | 0.89                       | 1.0                      | NM               | NM               | NM                         | 0                        | 6.06             | 34.72            | 1.57                       | 0.3                      |
| 11/3/2014              | 10.29            | 44.97            | 0.83                       | 1.0                      | 22.51            | 70.71            | 2.09                       | 0.3                      | 6.18             | 34.91            | 1.38                       | 0.3                      |
| 11/24/2014             | 10.27            | 44.99            | 0.81                       | 1.0                      | 22.56            | 70.92            | 1.88                       | 0.5                      | 6.21             | 35.16            | 1.13                       | 0.5                      |
| 12/22/2014             | 10.23            | 44.71            | 1.09                       | 1.0                      | 22.47            | 70.81            | 1.99                       | 0.5                      | 6.14             | 35.02            | 1.27                       | 0.8                      |
| 1/29/2015              | 10.16            | 44.96            | 0.84                       | 1.0                      | 22.26            | 71.04            | 1.76                       | 0.5                      | 5.71             | 35.29            | 1                          | 0.8                      |
| 2/26/2015              | 10.12            | 44.96            | 0.84                       | 1.5                      | 22.06            | 71.09            | 1.71                       | 0.5                      | 6.02             | 35.29            | 1                          | 1                        |
| 3/26/2015              | 9.96             | 45.21            | 0.59                       | 1.5                      | 22.17            | 71.12            | 1.68                       | 0.3                      | 5.46             | 35.36            | 0.93                       | 1                        |
| 4/27/2015              | 9.89             | 45.37            | 0.43                       | 1.5                      | 22.23            | 71.06            | 1.74                       | 0.5                      | 5.21             | 35.29            | 1                          | 1                        |
| 5/26/2015              | 9.72             | 45.61            | 0.19                       | 2.0                      | 22.17            | 71.14            | 1.66                       | 0.5                      | 5.07             | 35.46            | 0.83                       | 1                        |
| 7/6/2015               | 7.12             | 45.96            | 0.24                       | 2.0                      | 19.01            | 71.39            | 1.41                       | 0.5                      | 4.06             | 35.66            | 0.63                       | 1                        |
| 8/3/2015               | 7.26             | 46.09            | 0.11                       | 2.0                      | 19.16            | 71.46            | 1.34                       | 0.8                      | 4.29             | 35.71            | 0.58                       | 1                        |
| 8/27/2015              | 8.09             | 46.01            | 0.19                       | 1.0                      | 20.34            | 71.51            | 1.29                       | 0.8                      | 5.05             | 35.77            | 0.52                       | 1                        |
| 10/5/2015              | 7.12             | 45.86            | 0.34                       | 1.0                      | 19.02            | 71.57            | 1.23                       | 0.5                      | 4.31             | 35.96            | 0.33                       | 1                        |
| 11/5/2015              | 6.86             | 45.81            | 0.39                       | 1.0                      | 18.59            | 71.59            | 1.21                       | 0.5                      | 4.02             | 35.91            | 0.38                       | 1                        |
| 12/3/2015              | 6.46             | 45.79            | 0.41                       | 1.0                      | 18.33            | 71.67            | 1.13                       | 0.5                      | 3.92             | 35.96            | 0.33                       | 1                        |
| 12/28/2015             | 6.23             | 45.62            | 0.58                       | 1.3                      | 23.21            | 71.61            | 1.19                       | 0.8                      | 3.73             | 35.91            | 0.38                       | 1                        |
| 2/3/2016               | 6.04             | 45.55            | 0.65                       | 1.5                      | 17.96            | 71.64            | 1.16                       | 0.5                      | 3.61             | 35.87            | 0.42                       | 1                        |
| 3/3/2016               | 5.96             | 45.61            | 0.59                       | 1.5                      | 17.92            | 71.71            | 1.09                       | 0.5                      | 3.51             | 35.91            | 0.38                       | 1                        |
| 3/31/2016              | 6.06             | 45.72            | 0.48                       | 1.5                      | 17.86            | 71.79            | 1.01                       | 0.5                      | 3.56             | 35.92            | 0.37                       | 1                        |
| 5/3/2016               | 6.13             | 45.66            | 0.54                       | 1.0                      | NM               | NM               | NM                         | 0.0                      | 3.67             | 35.87            | 0.53                       | 0.5                      |
| 6/2/2016               | 6.21             | 45.61            | 0.59                       | 1.0                      | 22.9             | 71.51            | 1.29                       | 0.5                      | 3.74             | 35.92            | 0.48                       | 0.5                      |
| 7/8/2016               | 6.29             | 45.72            | 0.48                       | 1.0                      | 23.09            | 71.52            | 1.28                       | 0.3                      | 3.91             | 35.96            | 0.44                       | 0.5                      |
| 8/3/2016               | 6.34             | 45.77            | 0.43                       | 1.0                      | 23.16            | 71.66            | 1.14                       | 0.3                      | 4.03             | 35.49            | 0.91                       | 0.5                      |
| 8/30/2016              | 6.47             | 45.69            | 0.51                       | 1.0                      | 23.31            | 71.61            | 1.19                       | 0.5                      | 4.22             | 36.09            | 0.31                       | 0.5                      |
| 9/30/2016              | 6.59             | 45.81            | 0.39                       | 1.0                      | 23.39            | 71.81            | 0.99                       | 0.5                      | 4.33             | 35.91            | 0.49                       | 0.5                      |
| 11/3/2016              | 6.64             | 45.92            | 0.28                       | 1.0                      | 23.41            | 71.98            | 0.82                       | 0.5                      | 4.47             | 35.99            | 0.41                       | 0.5                      |
| 11/30/2016             | 6.86             | 45.86            | 0.34                       | 0.5                      | 23.59            | 71.91            | 0.89                       | 0.8                      | 4.62             | 35.91            | 0.49                       | 0.5                      |
| 1/4/2017               | 7.02             | 45.81            | 0.39                       | 0.5                      | 23.74            | 71.82            | 0.98                       | 0.8                      | 4.83             | 36.02            | 0.38                       | 0.3                      |
| 2/7/2017               | 6.97             | 45.69            | 0.51                       | 0.5                      | 23.67            | 71.74            | 1.06                       | 0.8                      | 4.81             | 35.91            | 0.49                       | 0.3                      |
| 3/2/2017               | 6.91             | 45.64            | 0.56                       | 0.5                      | 23.54            | 76.82            | 0.98                       | 0.8                      | 4.66             | 35.97            | 0.43                       | 0.3                      |
| 4/3/2017               | 6.82             | 45.71            | 0.49                       | 0.5                      | 23.46            | 76.96            | 0.84                       | 0.8                      | 4.57             | 36.01            | 0.39                       | 0.3                      |
| 4/27/2017              | 6.74             | 45.64            | 0.56                       | 0.5                      | 23.21            | 77.04            | 0.76                       | 0.5                      | 4.51             | 36.06            | 0.34                       | 0.3                      |
| 5/29/2017              | 6.89             | 45.77            | 0.43                       | 0.5                      | 23.49            | 77.21            | 0.59                       | 0.3                      | 4.74             | 36.03            | 0.37                       | 0.3                      |
| 7/5/2017               | 7.01             | 45.71            | 0.49                       | 0.5                      | 23.61            | 77.27            | 0.53                       | 0.3                      | 4.86             | 36.13            | 0.27                       | 0.3                      |
| 8/1/2017               | 7.14             | 45.63            | 0.57                       | 0.8                      | 23.79            | 77.17            | 0.63                       | 0.3                      | 4.99             | 36.24            | 0.16                       | 0.3                      |
| 9/5/2017               | 7.03             | 45.6             | 0.6                        | 1.0                      | 23.67            | 77.29            | 0.51                       | 0.3                      | 4.78             | 36.24            | 0.16                       | 0.3                      |
| 10/4/2017              | 7.07             | 45.69            | 0.51                       | 1.0                      | 23.61            | 77.36            | 0.44                       | 0.3                      | 4.89             | 36.29            | 0.11                       | 0.3                      |
| 11/2/2017              | 7.11             | 45.76            | 0.44                       | 1.0                      | 23.74            | 77.42            | 0.38                       | 0.3                      | 4.96             | 36.26            | 0.14                       | 0.3                      |
| 11/29/2017             | 7.16             | 45.71            | 0.49                       | 1.0                      | 23.81            | 77.4             | 0.40                       | 0.3                      | 5.06             | 36.31            | 0.09                       | 0.3                      |
| 1/2/2018               | 6.96             | 45.82            | 0.38                       | 1.0                      | 23.67            | 77.43            | 0.37                       | 0.3                      | 4.93             | 36.27            | 0.13                       | 0.3                      |
| 2/7/2018               | 7.13             | 45.87            | 0.33                       | 1.0                      | 23.86            | 77.46            | 0.34                       | 0.3                      | 5.16             | 36.21            | 0.19                       | 0.3                      |
| 3/1/2018               | 7.36             | 45.96            | 0.24                       | 1.0                      | 23.96            | 77.41            | 0.39                       | 0.3                      | 5.38             | 36.13            | 0.27                       | 0.3                      |
| 4/2/2018               | 7.29             | 45.94            | 0.26                       | 1.0                      | 23.9             | 77.32            | 0.48                       | 0.5                      | 5.31             | 36.18            | 0.22                       | 0.3                      |
| 5/1/2018               | 8.17             | 45.91            | 0.29                       | 1.0                      | 24.47            | 77.39            | 0.41                       | 0.5                      | 6.12             | 36.23            | 0.17                       | 0.5                      |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-12B           |                  |                            |                          | MW-23C           |                  |                            |                          | MW-32B           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 6/1/2018               | 8.49             | 45.86            | 0.34                       | 1.0                      | 24.81            | 77.31            | 0.49                       | 0.5                      | 6.41             | 36.19            | 0.21                       | 0.5                      |
| 6/29/2018              | 8.62             | 45.81            | 0.39                       | 1.0                      | 24.99            | 77.37            | 0.43                       | 0.5                      | 6.59             | 36.11            | 0.29                       | 0.8                      |
| 8/3/2018               | 8.79             | 45.96            | 0.24                       | 1.0                      | 25.12            | 77.39            | 0.41                       | 0.5                      | 6.74             | 36.19            | 0.21                       | 0.8                      |
| 8/31/2018              | 8.32             | 46.01            | 0.19                       | 0.8                      | 24.81            | 77.43            | 0.37                       | 0.5                      | 6.47             | 36.23            | 0.17                       | 0.8                      |
| 9/28/2018              | 8.27             | 45.93            | 0.27                       | 0.5                      | 24.69            | 77.39            | 0.41                       | 0.5                      | 6.41             | 36.19            | 0.21                       | 0.8                      |
| 11/2/2018              | 8.16             | 45.91            | 0.29                       | 0.5                      | 24.57            | 77.36            | 0.44                       | 0.5                      | 6.33             | 36.21            | 0.19                       | 0.5                      |
| 11/29/2018             | 8.01             | 45.9             | 0.30                       | 0.5                      | 24.36            | 77.3             | 0.50                       | 0.5                      | 6.21             | 36.27            | 0.13                       | 0.3                      |
| 1/2/2019               | 7.96             | 45.87            | 0.33                       | 0.5                      | 24.29            | 77.31            | 0.49                       | 0.5                      | 6.09             | 36.29            | 0.11                       | 0.3                      |
| 2/2/2019               | 7.82             | 45.89            | 0.31                       | 0.5                      | 24.21            | 77.44            | 0.36                       | 0.5                      | 5.97             | 36.24            | 0.16                       | 0.5                      |
| 2/28/2019              | 7.69             | 45.81            | 0.39                       | 0.5                      | 24.16            | 77.36            | 0.44                       | 0.5                      | 5.86             | 36.21            | 0.19                       | 0.3                      |
| 4/2/2019               | 7.61             | 45.8             | 0.4                        | 0.5                      | 24.08            | 77.32            | 0.48                       | 0.5                      | 5.79             | 36.24            | 0.16                       | 0.3                      |
| 4/25/2019              | 7.49             | 45.76            | 0.44                       | 1.0                      | 24.01            | 77.16            | 0.64                       | 0.5                      | 5.86             | 36.29            | 0.11                       | 0.3                      |
| 5/29/2019              | 7.51             | 45.71            | 0.49                       | 1.0                      | 24.11            | 77.11            | 0.69                       | 0.5                      | 5.91             | 36.21            | 0.19                       | 0.3                      |
| 6/12/2019              | 6.81             | 45.52            | 0.68                       | 1.5                      | 24.39            | 76.71            | 1.09                       | 1.0                      | 5.46             | 35.91            | 0.49                       | 0.5                      |
| 6/30/2019              | 6.67             | 45.06            | 1.14                       | 2.0                      | 24.32            | 76.67            | 1.13                       | 0.8                      | 5.39             | 35.42            | 0.98                       | 1                        |
| 7/16/2019              | 6.62             | 45.11            | 1.09                       | 2.0                      | 24.26            | 76.61            | 1.19                       | 1.0                      | 5.32             | 35.36            | 1.04                       | 1                        |
| 8/2/2019               | 6.69             | 45.01            | 1.19                       | 1.5                      | 24.31            | 76.49            | 1.31                       | 1.5                      | 5.41             | 35.26            | 1.14                       | 1.5                      |
| 8/15/2019              | 6.79             | 44.76            | 1.44                       | 2.0                      | 24.22            | 76.36            | 1.44                       | 1.5                      | 5.61             | 35.19            | 1.21                       | 1.5                      |
| 8/28/2019              | 6.88             | 44.71            | 1.49                       | 2.0                      | 24.29            | 76.41            | 1.39                       | 1.5                      | 5.72             | 35.22            | 1.18                       | 1.5                      |
| 9/17/2019              | 6.93             | 43.96            | 2.24                       | 3.0                      | 24.36            | 76.29            | 1.51                       | 1.5                      | 5.81             | 35.17            | 1.23                       | 1.5                      |
| 10/2/2019              | 6.86             | 43.17            | 3.03                       | 0.0                      | 24.32            | 76.09            | 1.71                       | 1.5                      | 5.77             | 35.02            | 1.38                       | 1.5                      |
| 10/16/2019             | 6.71             | 30.29            | 15.91                      | 0.0                      | 25.75            | 75.89            | 1.91                       | 1.5                      | 4.36             | 33.42            | 2.98                       | 1.5                      |
| 10/31/2019             | 6.53             | 21.63            | 24.57                      | 0.0                      | 26.33            | 75.29            | 2.51                       | 1.5                      | 3.43             | 31.86            | 4.54                       | 1.5                      |
| 11/15/2019             | 7.21             | 19.12            | 27.08                      | 0.5                      | 25.69            | ND               | 0                          | 0.0                      | 3.47             | 35.7             | 0.7                        | 1                        |
| 12/3/2019              | 7.55             | 27.37            | 18.83                      | 0.0                      | 26.11            | 75.12            | 2.68                       | 1.5                      | 4.33             | 35.51            | 0.89                       | 0                        |
| 12/18/2019             | 12.68            | 35.9             | 10.3                       | 0.0                      | 26.13            | 77.4             | 0.4                        | 0.3                      | 4.71             | 35.61            | 0.79                       | 1.5                      |
| 12/30/2019             | 8.08             | 28.12            | 18.08                      | 0.0                      | 26.48            | 76.1             | 1.7                        | 0.1                      | 5.04             | 34.28            | 2.12                       | 1.5                      |
| 1/7/2020               | --               | --               | --                         | --                       | --               | --               | --                         | --                       | --               | --               | --                         | --                       |
| 1/15/2020              | 7.47             | 27.12            | 19.08                      | 0.0                      | 26.49            | 77.1             | 0.7                        | 0.0                      | 4.1              | 35.4             | 1                          | 1                        |
| 1/27/2020              | 6.28             | 21.06            | 25.14                      | 0.0                      | 25.99            | 76.58            | 1.22                       | 0.0                      | 3.01             | 31.15            | 5.25                       | 1                        |
| 2/13/2020              | 6.91             | 20.42            | 25.78                      | 0.0                      | 25.51            | 76.42            | 1.38                       | 0.0                      | 3.88             | 31.39            | 5.01                       | 1                        |
| 2/25/2020              | 6.4              | 23.6             | 22.6                       | 0.0                      | 25.6             | 75.5             | 2.3                        | 0.1                      | 3.9              | 31.05            | 5.35                       | 0.8                      |
| 3/13/2020              | 7.61             | 22.01            | 24.19                      | 0.0                      | 25.66            | 77.08            | 0.72                       | 0.0                      | 4.32             | 32.46            | 3.94                       | 1.3                      |
| 3/31/2020              | 7.88             | 22.01**          | 24.19                      | 2.5                      | 25.9             | 77.12            | 0.68                       | 0.0                      | 4.63             | 33.3             | 3.1                        | 0.3                      |
| 4/9/2020               | 7.37             | 18.21            | 27.99                      | 3.0                      | 25.91            | 77.22            | 0.58                       | 0.0                      | 4.65             | 30.14            | 6.26                       | 1.0                      |
| 4/27/2020              | 8.64             | 19.12            | 27.08                      | 3.5                      | 26.31            | 76.45            | 1.35                       | 0.0                      | 5.39             | 34.52            | 1.88                       | 0.5                      |
| 5/14/2020              | 9.39             | 33.16            | 13.04                      | 2.5                      | 26.7             | 75.89            | 1.91                       | 0.1                      | 6.02             | 34.73            | 1.67                       | 0.5                      |
| 5/28/2020              | 8.79             | 40.29            | 5.91                       | 1.5                      | 26.75            | 75.71            | 2.09                       | 0.1                      | 5.84             | 34.35            | 2.05                       | 1.0                      |
| 6/11/2020              | 9.29             | 40.69            | 5.51                       | 2.5                      | 26.93            | ND               | 0                          | 0.0                      | 5.89             | 35.01            | 1.39                       | 0.3                      |
| 6/25/2020              | 9.01             | BP               | NM                         | 2.0                      | 25.89            | 77.94            | 0                          | 0.0                      | 5.6              | 35.12            | 1.28                       | 0.3                      |
| 7/9/2020               | 8.04             | BP               | NM                         | 1.0                      | 26.64            | 76               | 1.8                        | 0.3                      | 4.83             | 35.18            | 1.22                       | 0.3                      |
| 7/23/2020              | 8.17             | BP               | NM                         | 2.5                      | 26.81            | 75.61            | 2.19                       | 0.3                      | 5.63             | 34.7             | 1.7                        | 1.0                      |
| 8/6/2020               | 5.43             | BP               | NM                         | 1.0                      | 26.41            | 75.52            | 2.28                       | 0.3                      | 3.88             | 33.94            | 2.46                       | 1.3                      |
| 8/20/2020              | 8.03             | BP               | NM                         | 1.0                      | 26.38            | 75.4             | 2.4                        | 0.3                      | 4.87             | 33.87            | 2.53                       | 0.5                      |
| 9/2/2020               | 8.89             | BP               | NM                         | 1.0                      | 26.71            | 76.24            | 1.56                       | 0.5                      | 5.54             | 35.21            | 1.19                       | 0.3                      |
| 9/17/2020              | 9.84             | BP               | NM                         | 0.0                      | 26.99            | 75.9             | 1.9                        | 0.5                      | 6.01             | 34.4             | 2                          | 0.5                      |
| 10/1/2020              | 6.9              | BP               | NM                         | 0.5                      | 26.59            | 75.08            | 2.72                       | 0.3                      | 4.88             | 35.18            | 1.22                       | 0.3                      |
| 10/14/2020             | 8.42             | BP               | NM                         | 2.5                      | 26.71            | 75.08            | 2.72                       | 0.3                      | 4.95             | 34.26            | 2.14                       | 0.5                      |
| 10/28/2020             | 8.31             | BP               | NM                         | 2.0                      | 26.84            | 75.81            | 1.99                       | 0.3                      | 5.31             | 33.94            | 2.46                       | 0.8                      |
| 11/12/2020             | 9.19             | BP               | NM                         | 1.0                      | 27.12            | 76.12            | 1.68                       | TR                       | 5.79             | 33.71            | 2.69                       | 2.5                      |
| 11/23/2020             | 9.55             | BP               | NM                         | 0.8                      | 27.41            | 76.28            | 1.52                       | 0.3                      | 6.24             | 34.19            | 2.21                       | 1.0                      |
| 12/10/2020             | 6.67             | BP               | NM                         | 1.5                      | 26.72            | 76.2             | 1.6                        | 0.3                      | 3.68             | 32.9             | 3.5                        | 1.0                      |
| 12/21/2020             | 5.46             | BP               | NM                         | 0.8                      | 26.21            | NM               | NM                         | 0.0                      | 3.89             | 32.82            | 3.58                       | 1.0                      |
| 1/7/2021               | 5.01             | BP               | NM                         | 1.0                      | 25.85            | ND               | 0                          | 0.0                      | 3.02             | 35.4             | 1                          | 1.0                      |
| 1/21/2021              | 5.72             | BP               | NM                         | 2.0                      | 25.49            | 75.29            | 2.51                       | 0.3                      | 3.48             | 35.01            | 1.39                       | 1.0                      |
| 2/4/2021               | 6.87             | BP               | NM                         | 1.5                      | 25.48            | 75.36            | 2.44                       | 1.3                      | 4.09             | 34.48            | 1.92                       | 1.0                      |
| 2/23/2021              | 5.47             | BP               | NM                         | 1.0                      | 25.25            | 75.61            | 2.19                       | 1.0                      | 3.19             | 33.59            | 2.81                       | 1.0                      |
| 3/11/2021              | 5.95             | BP               | NM                         | 0.8                      | 25.31            | 75.84            | 1.96                       | 1.0                      | 3.47             | 34.05            | 2.35                       | 1.0                      |
| 3/25/2021              | 9.28             | BP               | NM                         | 1.0                      | 25.2             | 75.62            | 2.18                       | 1.0                      | 3.85             | 34.83            | 1.57                       | 1.0                      |
| 4/8/2021               | 7.52             | BP               | NM                         | 1.0                      | 25.38            | 75.4             | 2.4                        | 1.0                      | 4.92             | 33.7             | 2.7                        | 1.0                      |
| 4/22/2021              | 8.42             | BP               | NM                         | 1.0                      | 25.94            | 76.35            | 1.45                       | 0.1                      | 5.03             | 34.2             | 2.2                        | 1.0                      |
| 5/4/2021               | 6.82             | BP               | NM                         | 1.0                      | 25.95            | 75.25            | 2.55                       | 1.0                      | 4.26             | 34.6             | 1.8                        | 1.0                      |
| 5/20/2021              | 5.52             | BP               | NM                         | 1.0                      | 25.84            | 75.66            | 2.14                       | 1.0                      | 3.55             | 34.2             | 2.2                        | 1.0                      |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-12B           |                  |                            |                          | MW-23C           |                  |                            |                          | MW-32B           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 6/3/2021               | 5.46             | BP               | NM                         | 1.0                      | 25.19            | 75.74            | 2.06                       | 0.5                      | 2.54             | 34.6             | 1.8                        | 1.0                      |
| 6/17/2021              | 6.67             | BP               | NM                         | 1.0                      | 25.06            | 75.62            | 2.18                       | 0.5                      | 3.08             | 33.98            | 2.42                       | 1.0                      |
| 7/1/2021               | 5.46             | BP               | NM                         | 1.0                      | 24.72            | 75.12            | 2.68                       | 0.5                      | 2.61             | 34.38            | 2.02                       | 1.0                      |
| 7/19/2021              | 5.08             | BP               | NM                         | 1.0                      | 23.99            | 74.9             | 2.9                        | 0.5                      | 2.68             | 34.18            | 2.22                       | 0.5                      |
| 7/29/2021              | 7.1              | BP               | NM                         | 1.0                      | 24.19            | 75.25            | 2.55                       | 0.3                      | 3.71             | 34.10            | 2.3                        | 0.5                      |
| 8/12/2021              | 8.71             | BP               | NM                         | 1.0                      | 24.96            | 75.72            | 2.08                       | 0.3                      | 4.96             | 34.19            | 2.21                       | 1.0                      |
| 8/26/2021              | 8.93             | BP               | NM                         | 1.0                      | 25.42            | 75.81            | 1.99                       | 0.5                      | 5.2              | 34.8             | 1.6                        | 1.0                      |
| 9/10/2021              | 8.91             | BP               | NM                         | 0.7                      | 25.87            | 75.79            | 2.01                       | TR                       | 5.68             | 34.48            | 1.92                       | 1.1                      |
| 9/22/2021              | 7.42             | BP               | NM                         | 0                        | 25.93            | ND               | 0                          | 0                        | 4.72             | 31.15            | 5.25                       | 1.3                      |
| 10/8/2021              | 6.00             | 45.60            | 0.10                       | 0                        | 25.68            | 75.60            | 2.20                       | 0                        | 3.30             | 32.70            | 3.70                       | 1.0                      |
| 10/20/2021             | 7.81             | 44.00            | 1.70                       | 0                        | 26.14            | ND               | 0                          | 0                        | 4.82             | 32.82            | 3.58                       | 1.2                      |
| 11/4/2021              | 6.03             | BP               | NM                         | 0                        | 25.57            | ND               | 0                          | 0                        | 3.93             | 33.30            | 3.10                       | 1.5                      |
| 11/18/2021             | 6.75             | BP               | NM                         | 0                        | 25.65            | 74.80            | 1.71                       | 0                        | 4.3              | 33.61            | 2.79                       | 0.3                      |
| 12/3/2021              | 6.30             | BP               | NM                         | 0                        | 25.79            | ND               | 0                          | 0                        | 4.64             | 32.70            | 3.70                       | 1.3                      |
| 12/16/2021             | 6.37             | BP               | NM                         | 0                        | 25.92            | 76.00            | 0.51                       | 0                        | 4.84             | 33.30            | 2.70                       | 1.3                      |
| 12/30/2021             | 6.21             | BP               | NM                         | 0                        | 25.84            | ND               | Trace                      | 0                        | 4.22             | 33.63            | 2.37                       | 1.5                      |
| 1/4/2022               | 6.26             | ND               | Trace                      | 0                        | 25.92            | ND               | Trace                      | 0                        | 4.31             | 33.74            | 2.26                       | 1.5                      |
| 1/26/2022              | 6.32             | ND               | Trace                      | 0                        | 26.01            | ND               | Trace                      | 0                        | 4.26             | 33.61            | 2.39                       | 1.5                      |
| 2/10/2022              | 5.70             | 43.50            | 2.20                       | 0.12                     | 25.65            | 75.3             | 1.2                        | 0                        | 3.51             | 34.65            | 1.35                       | 0.3                      |
| 2/24/2022              | 6.53             | BP               | NM                         | 0.15                     | 26.00            | 75.51            | 0.99                       | 0.2                      | 4.87             | 34.32            | 1.68                       | 0.3                      |
| 3/10/2022              | 6.40             | BP               | NM                         | 0.2                      | 25.96            | ND               | 0                          | 0                        | 5.03             | 34.6             | 1.40                       | 0.5                      |
| 3/24/2022              | 6.83             | BP               | NM                         | 0                        | 26.55            | ND               | 0                          | 0                        | 5.33             | 35.07            | 0.93                       | 0.3                      |
| 4/7/2022               | 6.98             | BP               | NM                         | 0.1                      | 26.51            | ND               | 0                          | 0                        | 4.48             | 35.51            | 0.53                       | 0.3                      |
| 4/18/2022              | 7.49             | BP               | NM                         | 0.8                      | 26.72            | ND               | 0                          | 0                        | 4.77             | 35.46            | 0.54                       | 0.5                      |
| 5/2/2022               | 7.95             | BP               | NM                         | 1.0                      | 26.89            | ND               | Trace                      | 0                        | 5.12             | 35.33            | 0.57                       | 0.5                      |
| 5/20/2022              | 6.72             | BP               | NM                         | 1.0                      | 26.39            | ND               | 0                          | 0                        | 5.21             | 35.21            | 0.84                       | 0.5                      |
| 6/2/2022               | 6.81             | BP               | NM                         | 1.0                      | 26.31            | ND               | 0                          | 0                        | 5.39             | 35.34            | 0.71                       | 0.5                      |
| 6/16/2022              | 9.85             | BP               | NM                         | 0.5                      | 27.62            | ND               | Trace                      | 0                        | 5.20             | 35.50            | 0.35                       | 0.3                      |
| 6/30/2022              | 9.91             | BP               | NM                         | 0.25                     | 27.98            | ND               | 0                          | 0                        | 6.97             | ND               | Trace                      | 0.1                      |
| 7/15/2022              | 6.89             | BP               | NM                         | 1.0                      | 27.87            | ND               | 0                          | 0                        | 6.26             | 35.31            | 0.69                       | 0.5                      |
| 7/28/2022              | 6.96             | BP               | NM                         | 1.0                      | 27.96            | ND               | 0                          | 0                        | 6.39             | 35.21            | 0.79                       | 0.5                      |
| 8/12/2022              | 9.10             | BP               | NM                         | 0.1                      | 28.28            | Trace            | Trace                      | 0                        | 6.92             | 34.15            | 1.85                       | NM                       |
| 8/29/2022              | 8.56             | BP               | NM                         | 0.5                      | 26.56            | ND               | 0                          | 0                        | 5.52             | 35.52            | 0.53                       | 0.5                      |
| 9/16/2022              | 8.30             | BP               | NM                         | 0.5                      | 27.70            | ND               | 0                          | 0                        | 5.20             | 31.00            | 5.05                       | 0.5                      |
| 9/30/2022              | 9.80             | BP               | NM                         | 0.25                     | 28.00            | ND               | 0                          | 0                        | 6.40             | 28.50            | 7.55                       | 3.0                      |
| 10/17/2022             | 11.52            | BP               | NM                         | 0.25                     | 28.32            | ND               | 0                          | 0                        | 7.10             | 27.35            | 8.70                       | 2.0                      |
| 10/27/2022             | 11.79            | BP               | NM                         | 0.25                     | 28.74            | ND               | 0                          | 0                        | 7.49             | 28.91            | 7.14                       | 2.0                      |
| 11/10/2022             | 11.47            | BP               | NM                         | 0.25                     | 28.51            | ND               | 0                          | 0                        | 7.22             | 28.96            | 7.09                       | 2.0                      |
| 11/30/2022             | 7.49             | BP               | NM                         | 0.25                     | 26.21            | ND               | 0                          | 0                        | 3.76             | 29.31            | 6.74                       | 1.5                      |
| 12/16/2022             | 7.36             | BP               | NM                         | 0.25                     | 26.06            | ND               | 0                          | 0                        | 3.52             | 29.26            | 6.79                       | 1.5                      |
| 12/27/2022             | 7.59             | BP               | NM                         | 0.25                     | 25.67            | ND               | 0                          | 0                        | 3.71             | 29.21            | 6.84                       | 1.5                      |
| 1/13/2023              | 8.06             | BP               | NM                         | 0.25                     | 26.29            | ND               | 0                          | 0                        | 4.06             | 29.29            | 6.76                       | 1.5                      |
| 1/27/2023              | 5.57             | BP               | NM                         | 0.25                     | 26.97            | ND               | 0                          | 0                        | 3.67             | 29.72            | 6.33                       | 1.0                      |
| 2/9/2023               | 5.6              | BP               | NM                         | 0.10                     | 26.52            | ND               | 0                          | 0                        | 3.74             | NM               | NM                         | 0.0                      |
| 2/23/2023              | 6.42             | BP               | NM                         | 0.25                     | 26.56            | ND               | 0                          | 0                        | 4.28             | 29.93            | 6.12                       | 1.5                      |
| 3/9/2023               | 6.52             | BP               | NM                         | 0.25                     | 26.46            | ND               | 0                          | 0                        | 4.17             | 29.86            | 6.19                       | 1.5                      |
| 3/23/2023              | 7.25             | BP               | NM                         | 0.25                     | 27.50            | ND               | 0                          | 0                        | 4.70             | 31.50            | 4.55                       | 1.5                      |
| 4/6/2023               | 6.63             | BP               | NM                         | 0.25                     | 26.53            | ND               | 0                          | 0                        | 5.06             | 31.67            | 4.38                       | 1.5                      |
| 4/19/2023              | 6.55             | BP               | NM                         | 0.25                     | 27.00            | ND               | 0                          | 0                        | 4.31             | 31.00            | 5.05                       | 1.5                      |
| 5/5/2023               | 6.81             | BP               | NM                         | 0.25                     | 26.78            | ND               | 0                          | 0                        | 5.29             | 31.77            | 4.28                       | 1.5                      |
| 5/18/2023              | 5.22             | BP               | NM                         | 0.25                     | 26.15            | ND               | 0                          | 0                        | 1.98             | 32.18            | 3.87                       | 0.5                      |
| 6/1/2023               | 7.85             | BP               | NM                         | 0.10                     | 26.32            | ND               | 0                          | 0                        | 4.20             | 32.80            | 3.25                       | 0.5                      |
| 6/15/2023              | 7.88             | BP               | NM                         | 0.10                     | 26.62            | ND               | 0                          | 0                        | 4.52             | 33.23            | 2.82                       | 0.50                     |
| 6/29/2023              | 9.05             | BP               | NM                         | 0.10                     | 27.18            | ND               | 0                          | 0                        | 5.57             | 33.45            | 2.50                       | 0.10                     |
| 7/13/2023              | 8.90             | BP               | NM                         | Trace                    | 19.34            | ND               | 0                          | 0                        | 5.33             | 33.50            | 3.41                       | 0.50                     |
| 7/27/2023              | 10.02            | BP               | NM                         | Trace                    | 27.75            | ND               | 0                          | 0                        | 6.50             | 34.60            | 1.37                       | Trace                    |
| 8/10/2023              | 10.90            | BP               | NM                         | 0.25                     | 28.26            | ND               | 0                          | 0                        | 6.97             | 33.30            | 2.70                       | 0.75                     |
| 8/24/2023              | 11.28            | BP               | NM                         | Trace                    | 29.37            | ND               | 0                          | 0                        | 7.80             | 34.22            | 1.98                       | 0.25                     |
| 9/7/2023               | 11.36            | BP               | NM                         | 0.10                     | 29.48            | ND               | 0                          | 0                        | 7.91             | 35.01            | 1.09                       | 0.25                     |
| 9/21/2023              | 12.00            | BP               | NM                         | 0.00                     | 29.18            | ND               | 0                          | 0                        | 7.80             | 35.80            | 0.30                       | 0.30                     |
| 10/5/2023              | 9.00             | BP               | NM                         | Trace                    | 29.10            | ND               | 0                          | 0                        | 7.00             | 7.40             | 0.40                       | 0.25                     |
| 10/19/2023             | 10.15            | BP               | NM                         | 0.10                     | 28.88            | ND               | 0                          | 0                        | 6.60             | 34.60            | 1.50                       | 0.15                     |
| 11/2/2023              | 9.75             | BP               | NM                         | 0.25                     | 28.90            | ND               | 0                          | 0                        | 6.87             | 35.10            | 1.00                       | 0.20                     |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date              | MW-12B           |                  |                            |                          | MW-23C           |                  |                            |                          | MW-32B           |                  |                            |                          |
|-------------------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                                     | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 11/16/2023                          | 8.80             | BP               | NM                         | 0.40                     | 28.85            | ND               | 0                          | 0                        | 5.88             | 34.60            | 1.50                       | 0.30                     |
| 11/30/2023                          | 9.85             | BP               | NM                         | Trace                    | 28.70            | ND               | 0                          | 0                        | 6.68             | 34.00            | 2.00                       | 0.10                     |
| 12/14/2023                          | 5.92             | BP               | NM                         | Trace                    | 27.45            | ND               | 0                          | 0                        | 6.20             | 34.60            | 1.50                       | 0.10                     |
| 12/27/2023                          | 7.30             | BP               | NM                         | Trace                    | 28.20            | ND               | 0                          | 0                        | 5.00             | 35.00            | 1.00                       | Trace                    |
| 1/11/2024                           | 5.76             | PoP              | Trace                      | Trace                    | 27.58            | ND               | 0                          | 0                        | 3.42             | PoP              | Trace                      | 0.10                     |
| 1/25/2024                           | 7.20             | BP               | NM                         | Trace                    | 27.20            | ND               | 0                          | 0                        | 1.36             | ND               | 0                          | 0                        |
| 2/9/2024                            | 5.80             | BP               | NM                         | Trace                    | 26.58            | ND               | 0                          | 0                        | 4.42             | 35.10            | 1.00                       | Trace                    |
| 2/22/2024                           | 6.45             | BP               | NM                         | 0.20                     | 26.37            | ND               | 0                          | 0                        | 4.56             | 35.00            | 1.00                       | Trace                    |
| 3/7/2024                            | 7.45             | BP               | NM                         | 0.30                     | 26.65            | ND               | 0                          | 0                        | 5.07             | 35.20            | 1.00                       | 0.20                     |
| 3/22/2024                           | 5.51             | BP               | NM                         | Trace                    | 23.00            | PoP              | Trace                      | 0                        | 4.43             | 35.08            | 1.00                       | 0.25                     |
| 4/18/2024                           | 7.21             | BP               | NM                         | TR                       | 26.47            | ND               | 0                          | 0                        | 5.95             | 35.00            | 1.10                       | 0.10                     |
| 5/2/2024                            | 7.56             | BP               | NM                         | 0.10                     | 26.55            | ND               | 0                          | 0                        | 5.09             | PoP              | Trace                      | 0                        |
| 5/17/2024                           | 6.41             | BP               | NM                         | 0.10                     | 25.90            | ND               | 0                          | 0                        | 3.65             | 35.00            | 1.00                       | 0.20                     |
| 5/30/2024                           | 5.71             | BP               | NM                         | TR                       | 25.95            | ND               | 0                          | 0                        | 3.40             | 35.70            | 0.50                       | 0.10                     |
| 6/13/2024                           | 6.73             | BP               | NM                         | 0.10                     | 25.80            | ND               | 0                          | 0                        | 4.00             | 35.20            | 1.00                       | 0.20                     |
| 6/27/2024                           | 7.21             | BP               | NM                         | 0.10                     | 25.99            | ND               | 0                          | 0                        | 4.55             | PoP              | Trace                      | 0                        |
| 7/11/2024                           | 5.82             | BP               | NM                         | 0.10                     | 25.76            | ND               | 0                          | 0                        | 2.55             | 35.60            | 0.50                       | 0.10                     |
| 7/25/2024                           | 5.45             | BP               | NM                         | 0.10                     | 18.70            | ND               | 0                          | 0                        | 4.32             | 35.50            | 0.50                       | 0.20                     |
| 8/8/2024                            | 6.90             | BP               | NM                         | TR                       | 25.04            | PoP              | Trace                      | 0                        | 5.39             | 35.20            | 1.00                       | 0.25                     |
| 9/5/2024                            | 9.05             | BP               | NM                         | 0.10                     | 26.15            | ND               | 0                          | 0                        | 5.13             | 34.70            | 1.50                       | 0.30                     |
| 9/19/2024                           | 9.72             | BP               | NM                         | TR                       | 26.60            | PoP              | Trace                      | 0                        | 5.50             | 35.40            | 0.70                       | 0.10                     |
| <b>Total DNAPL<br/>Pumped (gal)</b> | <b>157.6</b>     |                  |                            |                          | <b>55.5</b>      |                  |                            |                          | <b>150.0</b>     |                  |                            |                          |

## Notes:

\* - indicates DNAPL and groundwater mixture

MW-23C- added 5 feet to TOC due to capping after 2/3/2016

\*\* - indicates DTD from previous event was used; DNAPL recovered revised based on review of field notes.

--- - No DNAPL pumped

ND - Not detected

DTW - Depth to water (feet Below Top of Casing (BTOC))

NM - Not measured

DTD - Depth to DNAPL (feet BTOC)

PoP - Product on probe, not measureable

TR- Trace amount of DNAPL Extracted

BP - Below pump; depth to DNAPL not measured because DNAPL is below top of in-well pump

TABLE 1

SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS

| DNAPL<br>Recovery Date | MW-33BR          |                  |                            |                          | MW-34C/MW-34CR (July 2014) |                  |                            |                          | MW-41B           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|----------------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC)           | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 2/14/2013              | 3.72             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 8.91             | 41.1             | 3.71                       | 3                        |
| 4/3/2013               | 4.02             | PoP              | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 9.37             | 41.6             | 3.21                       | 1.5                      |
| 4/22/2013              | 3.63             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 8.62             | 41.6             | 3.21                       | 0.5*                     |
| 5/30/2013              | 3.59             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 8.73             | 34.16            | 10.65                      | 2                        |
| 6/29/2013              | 6.07             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 9.72             | 37.12            | 7.69                       | 2                        |
| 7/22/2013              | 9.68             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 10.31            | 39.29            | 5.52                       | 1.5                      |
| 8/26/2013              | 9.86             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 10.09            | 34.55            | 10.26                      | 2.5                      |
| 9/27/2013              | 9.57             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 9.63             | 37.29            | 7.52                       | 2                        |
| 10/31/2013             | 9.32             | ND               | 0                          | 0                        | 21.63                      | NM               | NM                         | 0                        | 9.52             | 38.16            | 6.65                       | 2                        |
| 11/27/2013             | 9.16             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 9.57             | 38.39            | 6.42                       | 2                        |
| 12/31/2013             | 8.97             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 9.42             | 39.36            | 5.45                       | 2                        |
| 1/30/2014              | 7.41             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 9.06             | 39.17            | 5.64                       | 2                        |
| 3/3/2014               | 7.16             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 8.62             | 38.06            | 6.75                       | 2                        |
| 3/31/2014              | 7.04             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 8.52             | 37.74            | 7.07                       | 2                        |
| 4/30/2014              | 6.88             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 8.36             | 37.21            | 7.6                        | 2                        |
| 5/27/2014              | 6.72             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 8.26             | 37.29            | 7.52                       | 2                        |
| 6/26/2014              | 6.52             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 8.02             | 37.47            | 7.34                       | 2                        |
| 7/31/2014              | 6.29             | ND               | 0                          | 0                        | 19.06                      | ND               | 0                          | 0                        | 8.21             | 37.92            | 6.89                       | 2                        |
| 8/27/2014              | 6.47             | ND               | 0                          | 0                        | 18.96                      | ND               | 0                          | 0                        | 8.07             | 38.29            | 6.52                       | 1.5                      |
| 10/3/2014              | 6.32             | ND               | 0                          | 0                        | 18.81                      | ND               | 0                          | 0                        | 8.02             | 38.13            | 6.68                       | 2                        |
| 11/3/2014              | NM               | NM               | NM                         | 0                        | 19.06                      | ND               | 0                          | 0                        | 8.22             | 38.29            | 6.52                       | 2                        |
| 11/24/2014             | NM               | NM               | NM                         | 0                        | 19.11                      | ND               | 0                          | 0                        | 8.27             | 38.47            | 6.34                       | 2                        |
| 12/22/2014             | NM               | NM               | NM                         | 0                        | 19.06                      | ND               | 0                          | 0                        | 8.16             | 38.39            | 6.42                       | 2                        |
| 1/29/2015              | NM               | NM               | NM                         | 0                        | 18.79                      | ND               | 0                          | 0                        | 8.02             | 39.16            | 5.65                       | 1.5                      |
| 2/26/2015              | NM               | NM               | NM                         | 0                        | 18.71                      | ND               | 0                          | 0                        | 7.92             | 39.06            | 5.75                       | 2.5                      |
| 3/26/2015              | NM               | NM               | NM                         | 0                        | 18.67                      | ND               | 0                          | 0                        | 7.83             | 38.74            | 6.07                       | 2.5                      |
| 4/27/2015              | NM               | NM               | NM                         | 0                        | 18.79                      | ND               | 0                          | 0                        | 8.02             | 38.61            | 6.2                        | 3                        |
| 5/26/2015              | NM               | NM               | NM                         | 0                        | 18.63                      | ND               | 0                          | 0                        | 7.91             | 38.72            | 6.09                       | 3                        |
| 7/6/2015               | NM               | NM               | NM                         | 0                        | 17.29                      | ND               | 0                          | 0                        | 6.03             | 38.96            | 5.85                       | 2.5                      |
| 8/3/2015               | NM               | NM               | NM                         | 0                        | 17.21                      | ND               | 0                          | 0                        | 6.09             | 39.01            | 5.8                        | 2.5                      |
| 8/27/2015              | NM               | NM               | NM                         | 0                        | 18.46                      | ND               | 0                          | 0                        | 7.39             | 39.14            | 5.67                       | 2                        |
| 10/5/2015              | NM               | NM               | NM                         | 0                        | 17.29                      | ND               | 0                          | 0                        | 6.32             | 39.34            | 5.47                       | 2                        |
| 11/5/2015              | NM               | NM               | NM                         | 0                        | 16.78                      | ND               | 0                          | 0                        | 6.01             | 39.51            | 5.3                        | 2                        |
| 12/3/2015              | NM               | NM               | NM                         | 0                        | 16.44                      | ND               | 0                          | 0                        | 5.76             | 39.56            | 5.25                       | 2                        |
| 12/28/2015             | NM               | NM               | NM                         | 0                        | 16.16                      | ND               | 0                          | 0                        | 5.62             | 39.63            | 5.18                       | 2.3                      |
| 2/3/2016               | NM               | NM               | NM                         | 0                        | 15.98                      | ND               | 0                          | 0                        | 5.32             | 39.72            | 5.09                       | 3                        |
| 3/3/2016               | NM               | NM               | NM                         | 0                        | 15.98                      | ND               | 0                          | 0                        | 5.17             | 39.81            | 5                          | 3                        |
| 3/31/2016              | NM               | NM               | NM                         | 0                        | 15.98                      | ND               | 0                          | 0                        | 5.26             | 39.77            | 5.04                       | 3                        |
| 5/3/2016               | NM               | NM               | NM                         | 0                        | 15.79                      | ND               | 0                          | 0                        | 5.52             | 39.96            | 4.85                       | 3                        |
| 6/2/2016               | NM               | NM               | NM                         | 0                        | 15.97                      | ND               | 0                          | 0                        | 5.67             | 40.07            | 4.74                       | 3                        |
| 7/8/2016               | NM               | NM               | NM                         | 0                        | 16.06                      | ND               | 0                          | 0                        | 5.72             | 40.01            | 4.8                        | 3                        |
| 8/3/2016               | NM               | NM               | NM                         | 0                        | 16.17                      | ND               | 0                          | 0                        | 5.79             | 40.09            | 4.72                       | 3                        |
| 8/30/2016              | NM               | NM               | NM                         | 0                        | 16.31                      | ND               | 0                          | 0                        | 5.91             | 40.26            | 4.55                       | 3                        |
| 9/30/2016              | NM               | NM               | NM                         | 0                        | 16.42                      | ND               | 0                          | 0                        | 6.06             | 40.13            | 4.68                       | 3                        |
| 11/3/2016              | NM               | NM               | NM                         | 0                        | 16.51                      | ND               | 0                          | 0                        | 6.11             | 40.29            | 4.52                       | 3                        |
| 11/30/2016             | NM               | NM               | NM                         | 0                        | 16.72                      | ND               | 0                          | 0                        | 6.26             | 40.42            | 4.39                       | 3                        |
| 1/4/2017               | NM               | NM               | NM                         | 0                        | 16.94                      | ND               | 0                          | 0                        | 6.39             | 40.56            | 4.25                       | 3                        |
| 2/7/2017               | NM               | NM               | NM                         | 0                        | 16.91                      | ND               | 0                          | 0                        | 6.44             | 40.51            | 4.3                        | 3                        |
| 3/2/2017               | NM               | NM               | NM                         | 0                        | 16.78                      | ND               | 0                          | 0                        | 6.29             | 40.76            | 4.05                       | 3                        |
| 4/3/2017               | NM               | NM               | NM                         | 0                        | 16.71                      | ND               | 0                          | 0                        | 6.21             | 40.67            | 4.14                       | 2.5                      |
| 4/27/2017              | NM               | NM               | NM                         | 0                        | 16.61                      | ND               | 0                          | 0                        | 6.19             | 40.87            | 3.94                       | 3                        |
| 5/29/2017              | NM               | NM               | NM                         | 0                        | 16.84                      | ND               | 0                          | 0                        | 6.14             | 40.29            | 4.52                       | 3                        |
| 7/5/2017               | NM               | NM               | NM                         | 0                        | 17.01                      | ND               | 0                          | 0                        | 6.34             | 40.57            | 4.24                       | 2.5                      |
| 8/1/2017               | NM               | NM               | NM                         | 0                        | 17.17                      | ND               | 0                          | 0                        | 6.42             | 40.79            | 4.02                       | 3                        |
| 9/5/2017               | NM               | NM               | NM                         | 0                        | 17.11                      | ND               | 0                          | 0                        | 6.36             | 40.68            | 4.13                       | 3                        |
| 10/4/2017              | NM               | NM               | NM                         | 0                        | 17.06                      | ND               | 0                          | 0                        | 6.29             | 40.69            | 4.12                       | 2.5                      |
| 11/2/2017              | NM               | NM               | NM                         | 0                        | 17.17                      | ND               | 0                          | 0                        | 6.41             | 40.73            | 4.08                       | 3                        |
| 11/29/2017             | NM               | NM               | NM                         | 0                        | 17.29                      | ND               | 0                          | 0                        | 6.52             | 40.82            | 3.99                       | 2.5                      |
| 1/2/2018               | NM               | NM               | NM                         | 0                        | 17.52                      | ND               | 0                          | 0                        | 6.72             | 40.72            | 4.09                       | 2.5                      |
| 2/7/2018               | NM               | NM               | NM                         | 0                        | 18.11                      | ND               | 0                          | 0                        | 6.97             | 40.79            | 4.02                       | 2.5                      |
| 3/1/2018               | NM               | NM               | NM                         | 0                        | 18.38                      | ND               | 0                          | 0                        | 7.16             | 40.63            | 4.18                       | 2                        |
| 4/2/2018               | NM               | NM               | NM                         | 0                        | 18.29                      | ND               | 0                          | 0                        | 7.13             | 40.71            | 4.1                        | 2                        |
| 5/1/2018               | NM               | NM               | NM                         | 0                        | 18.33                      | ND               | 0                          | 0                        | 8.26             | 40.76            | 4.05                       | 2                        |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-33BR          |                  |                            |                          | MW-34C/MW-34CR (July 2014) |                  |                            |                          | MW-41B           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|----------------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC)           | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 6/1/2018               | NM               | NM               | NM                         | 0                        | 18.62                      | ND               | 0                          | 0                        | 8.71             | 40.81            | 4                          | 2.3                      |
| 6/29/2018              | NM               | NM               | NM                         | 0                        | 18.91                      | ND               | 0                          | 0                        | 9.02             | 40.71            | 4.1                        | 2.5                      |
| 8/3/2018               | NM               | NM               | NM                         | 0                        | 19.06                      | ND               | 0                          | 0                        | 9.13             | 40.76            | 4.05                       | 2.5                      |
| 8/31/2018              | NM               | NM               | NM                         | 0                        | 18.77                      | ND               | 0                          | 0                        | 8.89             | 40.86            | 3.95                       | 2                        |
| 9/28/2018              | NM               | NM               | NM                         | 0                        | 18.64                      | ND               | 0                          | 0                        | 8.77             | 40.76            | 4.05                       | 2                        |
| 11/2/2018              | NM               | NM               | NM                         | 0                        | 18.57                      | ND               | 0                          | 0                        | 8.61             | 40.71            | 4.1                        | 2                        |
| 11/29/2018             | NM               | NM               | NM                         | 0                        | 18.39                      | ND               | 0                          | 0                        | 8.41             | 40.81            | 4                          | 2                        |
| 1/2/2019               | NM               | NM               | NM                         | 0                        | 18.26                      | ND               | 0                          | 0                        | 8.22             | 40.83            | 3.98                       | 2                        |
| 2/2/2019               | NM               | NM               | NM                         | 0                        | 18.19                      | ND               | 0                          | 0                        | 8.16             | 40.89            | 3.92                       | 2                        |
| 2/28/2019              | NM               | NM               | NM                         | 0                        | 18.02                      | ND               | 0                          | 0                        | 8.03             | 40.76            | 4.05                       | 3                        |
| 4/2/2019               | NM               | NM               | NM                         | 0                        | 17.96                      | ND               | 0                          | 0                        | 7.93             | 40.69            | 4.12                       | 3                        |
| 4/25/2019              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 7.76             | 40.28            | 4.53                       | 3                        |
| 5/29/2019              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 7.71             | 40.07            | 4.74                       | 3                        |
| 6/12/2019              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 7.52             | 39.63            | 5.18                       | 3                        |
| 6/30/2019              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 7.46             | 39.52            | 5.29                       | 3                        |
| 7/16/2019              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 7.39             | 39.46            | 5.35                       | 3                        |
| 8/2/2019               | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 7.46             | 39.42            | 5.39                       | 0                        |
| 8/15/2019              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 7.51             | 39.31            | 5.5                        | 3                        |
| 8/28/2019              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 7.57             | 39.21            | 5.6                        | 3                        |
| 9/17/2019              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 7.66             | 39.02            | 5.79                       | 3                        |
| 10/2/2019              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 7.61             | 38.76            | 6.05                       | 3                        |
| 10/16/2019             | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 5.21             | 38.67            | 6.14                       | 3                        |
| 10/31/2019             | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 5.21             | 38.67            | 6.14                       | 3                        |
| 11/15/2019             | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 4.81             | 38.12            | 6.69                       | 2                        |
| 12/3/2019              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 6.46             | 39.27            | 5.54                       | 3                        |
| 12/18/2019             | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 6.51             | 41.7             | 3.11                       | 0                        |
| 12/30/2019             | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 6.99             | 43.5             | 1.31                       | 0                        |
| 1/7/2020               | --               | --               | --                         | --                       | --                         | --               | --                         | --                       | --               | --               | --                         | --                       |
| 1/15/2020              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 5.12             | 38.99            | 5.82                       | 0                        |
| 1/27/2020              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 3.41             | 40.7             | 4.11                       | 0                        |
| 2/13/2020              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 5.1              | 40.12            | 4.69                       | 0                        |
| 2/25/2020              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 4.5              | 41.12            | 3.69                       | 0                        |
| 3/13/2020              | NM               | NM               | NM                         | 0                        | Well Damaged               |                  |                            | 0                        | 6.06             | 42.12            | 2.69                       | 0                        |
| 3/31/2020              | NM               | NM               | NM                         | 0                        | 17.49                      | ND               | 0                          | 0                        | 6.82             | 42.12**          | 2.69                       | 2                        |
| 4/9/2020               | NM               | NM               | NM                         | 0                        | 17.63                      | ND               | 0                          | 0                        | 6.47             | BP               | NM                         | 2                        |
| 4/27/2020              | NM               | NM               | NM                         | 0                        | 17.89                      | ND               | 0                          | 0                        | 8.01             | BP               | NM                         | 2                        |
| 5/14/2020              | NM               | NM               | NM                         | 0                        | 18.29                      | ND               | 0                          | 0                        | 8.71             | 42.1             | 2.71                       | 3.5                      |
| 5/28/2020              | NM               | NM               | NM                         | 0                        | 18.31                      | ND               | 0                          | 0                        | 8.08             | BP               | NM                         | 3.5                      |
| 6/11/2020              | NM               | NM               | NM                         | 0                        | 18.51                      | ND               | 0                          | 0                        | 8.01             | 41.59            | 3.22                       | 2                        |
| 6/25/2020              | NM               | NM               | NM                         | 0                        | 17.66                      | ND               | 0                          | 0                        | 7.52             | BP               | NM                         | 2                        |
| 7/9/2020               | NM               | NM               | NM                         | 0                        | 18.22                      | ND               | 0                          | 0                        | 7.29             | BP               | NM                         | 2                        |
| 7/23/2020              | NM               | NM               | NM                         | 0                        | 18.36                      | ND               | 0                          | 0                        | 7.49             | BP               | NM                         | 2.5                      |
| 8/6/2020               | NM               | NM               | NM                         | 0                        | 17.66                      | ND               | 0                          | 0                        | 5.64             | BP               | NM                         | 1.3                      |
| 8/20/2020              | NM               | NM               | NM                         | 0                        | 18.02                      | ND               | 0                          | 0                        | 7.38             | BP               | NM                         | 0.5                      |
| 9/2/2020               | NM               | NM               | NM                         | 0                        | 18.2                       | ND               | 0                          | 0                        | 8.11             | BP               | NM                         | 0.8                      |
| 9/17/2020              | NM               | NM               | NM                         | 0                        | 18.56                      | ND               | 0                          | 0                        | 8.81             | BP               | NM                         | 1                        |
| 10/1/2020              | NM               | NM               | NM                         | 0                        | 18.29                      | ND               | 0                          | 0                        | 6.39             | BP               | NM                         | 0.8                      |
| 10/14/2020             | NM               | NM               | NM                         | 0                        | 18.31                      | ND               | 0                          | 0                        | 8.71             | BP               | NM                         | 2                        |
| 10/28/2020             | NM               | NM               | NM                         | 0                        | 18.61                      | ND               | 0                          | 0                        | 8.51             | BP               | NM                         | 1.5                      |
| 11/12/2020             | NM               | NM               | NM                         | 0                        | 18.71                      | ND               | 0                          | 0                        | 8.49             | BP               | NM                         | 0.5                      |
| 11/23/2020             | NM               | NM               | NM                         | 0                        | 18.97                      | ND               | 0                          | 0                        | 8.84             | BP               | NM                         | 0                        |
| 12/10/2020             | NM               | NM               | NM                         | 0                        | 18.62                      | ND               | 0                          | 0                        | 5.31             | BP               | NM                         | 1.5                      |
| 12/21/2020             | NM               | NM               | NM                         | 0                        | 18.01                      | ND               | 0                          | 0                        | 4.42             | BP               | NM                         | 1                        |
| 1/7/2021               | NM               | NM               | NM                         | 0                        | 17.52                      | ND               | 0                          | 0                        | 4.48             | BP               | NM                         | 1.5                      |
| 1/21/2021              | NM               | NM               | NM                         | 0                        | 17.39                      | ND               | 0                          | 0                        | 4.59             | BP               | NM                         | 2                        |
| 2/4/2021               | NM               | NM               | NM                         | 0                        | 17.22                      | ND               | 0                          | 0                        | 5.62             | BP               | NM                         | 1.5                      |
| 2/23/2021              | NM               | NM               | NM                         | 0                        | 17.04                      | ND               | 0                          | 0                        | 4.58             | BP               | NM                         | 1                        |
| 3/11/2021              | NM               | NM               | NM                         | 0                        | 16.98                      | ND               | 0                          | 0                        | 4.22             | BP               | NM                         | 1.5                      |
| 3/25/2021              | NM               | NM               | NM                         | 0                        | 17.01                      | ND               | 0                          | 0                        | 5.13             | BP               | NM                         | 1.0                      |
| 4/8/2021               | NM               | NM               | NM                         | 0                        | 17.22                      | ND               | 0                          | 0                        | 6.63             | BP               | NM                         | 1.0                      |
| 4/22/2021              | NM               | NM               | NM                         | 0                        | 17.41                      | ND               | 0                          | 0                        | 7.64             | BP               | NM                         | 1.0                      |
| 5/4/2021               | NM               | NM               | NM                         | 0                        | 17.57                      | ND               | 0                          | 0                        | 5.96             | BP               | NM                         | 1.0                      |
| 5/20/2021              | NM               | NM               | NM                         | 0                        | 16.51                      | ND               | 0                          | 0                        | 5.62             | BP               | NM                         | 1.0                      |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-33BR          |                  |                            |                          | MW-34C/MW-34CR (July 2014) |                  |                            |                          | MW-41B           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|----------------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC)           | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 6/3/2021               | NM               | NM               | NM                         | 0                        | 15.81                      | ND               | 0                          | 0                        | 4.41             | BP               | NM                         | 1.0                      |
| 6/17/2021              | NM               | NM               | NM                         | 0                        | 16.74                      | ND               | 0                          | 0                        | 5.81             | BP               | NM                         | 1.0                      |
| 7/1/2021               | NM               | NM               | NM                         | 0                        | 15.71                      | ND               | 0                          | 0                        | 4.36             | BP               | NM                         | 1.0                      |
| 7/19/2021              | NM               | NM               | NM                         | 0                        | 15.49                      | ND               | 0                          | 0                        | 4.11             | BP               | NM                         | 1.0                      |
| 7/29/2021              | NM               | NM               | NM                         | 0                        | 15.98                      | ND               | 0                          | 0                        | 6.51             | BP               | NM                         | 1.0                      |
| 8/12/2021              | NM               | NM               | NM                         | 0                        | 16.58                      | ND               | 0                          | 0                        | 8.01             | BP               | NM                         | 1.0                      |
| 8/26/2021              | NM               | NM               | NM                         | 0                        | 17.11                      | ND               | 0                          | 0                        | 8.04             | BP               | NM                         | 1.0                      |
| 9/10/2021              | NM               | NM               | NM                         | 0                        | 17.56                      | ND               | 0                          | 0                        | 8.25             | BP               | NM                         | 0.3                      |
| 9/22/2021              | 5.32             | ND               | 0                          | 0                        | 17.32                      | ND               | 0                          | 0                        | 5.66             | BP               | NM                         | 0                        |
| 10/8/2021              | 1.53             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 1.34             | 43.68            | 1.13                       | 0.0                      |
| 10/20/2021             | 1.98             | ND               | 0                          | 0                        | 17.68                      | ND               | 0                          | 0                        | 5.98             | 43.01            | 1.80                       | 0.0                      |
| 11/4/2021              | 3.56             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 5.08             | 42.00            | 2.81                       | 0.3                      |
| 11/18/2021             | NM               | NM               | NM                         | 0                        | NM                         | NM               | NM                         | 0                        | 5.92             | BP               | NM                         | 0.0                      |
| 12/3/2021              | 3.7              | ND               | 0                          | 0                        | NM                         | NM               | NM                         | 0                        | 6.57             | BP               | NM                         | 0.0                      |
| 12/16/2021             | 4.6              | ND               | 0                          | 0                        | 17.6                       | ND               | 0                          | 0                        | 6.63             | BP               | NM                         | 0.0                      |
| 12/30/2021             | 4.29             | ND               | 0                          | 0                        | 17.52                      | ND               | 0                          | 0                        | 5.21             | BP               | NM                         | 0.0                      |
| 1/4/2022               | 4.36             | ND               | 0                          | 0                        | 17.58                      | ND               | 0                          | 0                        | 5.34             | ND               | Trace                      | 0.0                      |
| 1/26/2022              | 4.43             | ND               | 0                          | 0                        | 17.66                      | ND               | 0                          | 0                        | 5.42             | ND               | Trace                      | 0.0                      |
| 2/10/2022              | 4.3              | ND               | 0                          | 0                        | 17.3                       | ND               | 0                          | 0                        | 4.61             | 41.55            | 3.26                       | 0.3                      |
| 2/24/2022              | 4.25             | ND               | 0                          | 0                        | 17.42                      | ND               | 0                          | 0                        | 5.6              | 41.55            | 3.26                       | 0.2                      |
| 3/10/2022              | NM               | NM               | NM                         | 0                        | 17.48                      | ND               | 0                          | 0                        | 5.59             | 41.58            | 3.23                       | 0.3                      |
| 3/24/2022              | 5.08             | ND               | 0                          | 0                        | 17.72                      | ND               | 0                          | 0                        | 5.06             | BP               | NM                         | TR                       |
| 4/7/2022               | 4.80             | ND               | 0                          | 0                        | 17.40                      | ND               | 0                          | 0                        | 5.80             | BP               | NM                         | 0.1                      |
| 4/18/2022              | 5.16             | ND               | 0                          | 0                        | 17.86                      | ND               | 0                          | 0                        | 6.03             | BP               | NM                         | 1.0                      |
| 5/2/2022               | 5.40             | ND               | 0                          | 0                        | 18.10                      | ND               | 0                          | 0                        | 6.24             | BP               | NM                         | 1.0                      |
| 5/20/2022              | 5.46             | ND               | 0                          | 0                        | 18.02                      | ND               | 0                          | 0                        | 6.13             | BP               | NM                         | 1.0                      |
| 6/2/2022               | 5.61             | ND               | 0                          | 0                        | 18.12                      | ND               | 0                          | 0                        | 6.29             | BP               | NM                         | 1.0                      |
| 6/16/2022              | 5.82             | ND               | 0                          | 0                        | 18.21                      | ND               | 0                          | 0                        | 9.23             | BP               | NM                         | 1.0                      |
| 6/30/2022              | 5.87             | ND               | 0                          | 0                        | 18.39                      | ND               | 0                          | 0                        | 9.37             | BP               | NM                         | 1.0                      |
| 7/15/2022              | 6.81             | ND               | 0                          | 0                        | 19.27                      | ND               | 0                          | 0                        | 6.54             | BP               | NM                         | 1.0                      |
| 7/28/2022              | 6.94             | ND               | 0                          | 0                        | 19.39                      | ND               | 0                          | 0                        | 6.67             | BP               | NM                         | 1.0                      |
| 8/12/2022              | 7.68             | ND               | 0                          | 0                        | 20.00                      | ND               | 0                          | 0                        | 1.00             | BP               | NM                         | 0.25                     |
| 8/29/2022              | NM               | NM               | NM                         | 0                        | 19.81                      | ND               | 0                          | 0                        | 6.47             | BP               | NM                         | 0.5                      |
| 9/16/2022              | 5.70             | ND               | 0                          | 0                        | 19.45                      | ND               | 0                          | 0                        | 8.00             | BP               | NM                         | 0.5                      |
| 9/30/2022              | NM               | NM               | NM                         | 0                        | 19.60                      | ND               | 0                          | 0                        | 9.10             | 42.50            | 2.31                       | 1.0                      |
| 10/17/2022             | 6.90             | ND               | 0                          | 0                        | 19.93                      | ND               | 0                          | 0                        | 9.88             | BP               | NM                         | 0.25                     |
| 10/27/2022             | 7.02             | ND               | 0                          | 0                        | 20.06                      | ND               | 0                          | 0                        | 10.13            | BP               | NM                         | 0.25                     |
| 11/10/2022             | 6.91             | ND               | 0                          | 0                        | 19.92                      | ND               | 0                          | 0                        | 10.02            | BP               | NM                         | 0.25                     |
| 11/30/2022             | 5.24             | ND               | 0                          | 0                        | 17.52                      | ND               | 0                          | 0                        | 6.12             | BP               | NM                         | 0.25                     |
| 12/16/2022             | 5.17             | ND               | 0                          | 0                        | 17.39                      | ND               | 0                          | 0                        | 6.02             | BP               | NM                         | 0.25                     |
| 12/27/2022             | 5.46             | ND               | 0                          | 0                        | 17.58                      | ND               | 0                          | 0                        | 6.34             | BP               | NM                         | 0.25                     |
| 1/13/2023              | 5.86             | ND               | 0                          | 0                        | 18.13                      | ND               | 0                          | 0                        | 6.63             | BP               | NM                         | 0.25                     |
| 1/27/2023              | 3.88             | ND               | 0                          | 0                        | 18.30                      | ND               | 0                          | 0                        | 4.55             | BP               | NM                         | 1.00                     |
| 2/9/2023               | 4.59             | ND               | 0                          | 0                        | 18.12                      | ND               | 0                          | 0                        | 4.51             | BP               | NM                         | 0.25                     |
| 2/23/2023              | NM               | NM               | NM                         | 0                        | 18.03                      | ND               | 0                          | 0                        | 5.35             | BP               | NM                         | 0.25                     |
| 3/9/2023               | 3.99             | ND               | 0                          | 0                        | 17.91                      | ND               | 0                          | 0                        | 5.26             | BP               | NM                         | 0.25                     |
| 3/23/2023              | 4.99             | ND               | 0                          | 0                        | 18.6                       | ND               | 0                          | 0                        | 6.41             | BP               | NM                         | 0.50                     |
| 4/6/2023               | 4.12             | ND               | 0                          | 0                        | 17.74                      | ND               | 0                          | 0                        | 5.36             | BP               | NM                         | 0.25                     |
| 4/19/2023              | 4.93             | 4.93             | 0                          | 0                        | 18.60                      | ND               | 0                          | 0                        | 5.41             | BP               | NM                         | 0.25                     |
| 5/5/2023               | 4.27             | 4.27             | 0                          | 0                        | 17.89                      | ND               | 0                          | 0                        | 5.52             | BP               | NM                         | 0.25                     |
| 5/18/2023              | 2.34             | ND               | 0                          | 0                        | 18.3                       | ND               | 0                          | 0                        | 4.23             | BP               | NM                         | 0.25                     |
| 6/1/2023               | 3.66             | ND               | 0                          | 0                        | 17.87                      | ND               | 0                          | 0                        | 7.12             | BP               | NM                         | 0.50                     |
| 6/15/2023              | 4.43             | ND               | 0                          | 0                        | 18.03                      | ND               | 0                          | 0                        | 7.14             | BP               | NM                         | 0.10                     |
| 6/29/2023              | 5.32             | ND               | 0                          | 0                        | 18.60                      | ND               | 0                          | 0                        | 8.34             | BP               | NM                         | 0.25                     |
| 7/13/2023              | 5.88             | ND               | 0                          | 0                        | 18.81                      | ND               | 0                          | 0                        | 8.12             | BP               | NM                         | 0.10                     |
| 7/27/2023              | 7.92             | ND               | 0                          | 0                        | 19.31                      | ND               | 0                          | 0                        | 9.40             | BP               | NM                         | Trace                    |
| 8/10/2023              | 7.58             | ND               | 0                          | 0                        | 19.42                      | ND               | 0                          | 0                        | 10.30            | BP               | NM                         | 0.25                     |
| 8/24/2023              | 8.11             | ND               | 0                          | 0                        | 20.29                      | ND               | 0                          | 0                        | 9.08             | BP               | NM                         | 0.10                     |
| 9/7/2023               | 8.45             | ND               | 0                          | 0                        | 20.62                      | ND               | 0                          | 0                        | 9.13             | BP               | NM                         | 0.10                     |
| 9/21/2023              | 8.45             | ND               | 0                          | 0                        | 20.75                      | ND               | 0                          | 0                        | 11.45            | BP               | NM                         | Trace                    |
| 10/5/2023              | 12.45            | ND               | 0                          | 0                        | 20.66                      | ND               | 0                          | 0                        | 8.75             | BP               | NM                         | 0.15                     |
| 10/19/2023             | 7.26             | PoP              | Trace                      | 0                        | 20.51                      | ND               | 0                          | 0                        | 9.55             | BP               | NM                         | 0.25                     |
| 11/2/2023              | 7.30             | ND               | 0                          | 0                        | 21.50                      | ND               | 0                          | 0                        | 10.35            | BP               | NM                         | 0                        |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date              | MW-33BR          |                  |                            |                          | MW-34C/MW-34CR (July 2014) |                  |                            |                          | MW-41B           |                  |                            |                          |
|-------------------------------------|------------------|------------------|----------------------------|--------------------------|----------------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                                     | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC)           | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 11/16/2023                          | 7.15             | ND               | 0                          | 0                        | 20.40                      | ND               | 0                          | 0                        | 8.40             | BP               | NM                         | 1.50                     |
| 11/30/2023                          | 6.80             | ND               | 0                          | 0                        | 20.30                      | ND               | 0                          | 0                        | 9.23             | BP               | NM                         | 0.20                     |
| 12/14/2023                          | 5.15             | ND               | 0                          | 0                        | 20.60                      | ND               | 0                          | 0                        | 8.25             | BP               | NM                         | 2.00                     |
| 12/27/2023                          | 7.36             | ND               | 0                          | 0                        | 19.71                      | ND               | 0                          | 0                        | 6.45             | BP               | NM                         | 0.30                     |
| 1/11/2024                           | 5.15             | ND               | 0                          | 0                        | 18.20                      | ND               | 0                          | 0                        | 4.65             | BP               | NM                         | 0.30                     |
| 1/25/2024                           | 4.50             | ND               | 0                          | 0                        | 0.00                       | NM               | 0                          | 0                        | 4.22             | BP               | NM                         | 1.00                     |
| 2/9/2024                            | 1.80             | PoP              | Trace                      | 0                        | 18.10                      | ND               | 0                          | 0                        | 4.65             | BP               | NM                         | 0.10                     |
| 2/22/2024                           | 3.30             | ND               | 0                          | 0                        | 18.04                      | ND               | 0                          | 0                        | 5.35             | BP               | NM                         | 0.50                     |
| 3/7/2024                            | 4.55             | ND               | 0                          | 0                        | 18.20                      | ND               | 0                          | 0                        | 6.54             | BP               | NM                         | 0.20                     |
| 3/22/2024                           | 4.08             | ND               | 0                          | 0                        | 18.27                      | ND               | 0                          | 0                        | 4.43             | BP               | NM                         | 0.20                     |
| 4/18/2024                           | 4.61             | ND               | 0                          | 0                        | 18.06                      | ND               | 0                          | 0                        | 6.35             | BP               | NM                         | 0.30                     |
| 5/2/2024                            | 5.40             | PoP              | Trace                      | 0                        | 18.25                      | ND               | 0                          | 0                        | 6.75             | BP               | NM                         | 0.20                     |
| 5/17/2024                           | 2.60             | PoP              | Trace                      | 0                        | NM                         | NM               | NM                         | NM                       | 5.42             | BP               | NM                         | 0.30                     |
| 5/30/2024                           | 3.40             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | NM                       | 4.56             | BP               | NM                         | 1.00                     |
| 6/13/2024                           | 3.65             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | NM                       | 6.15             | BP               | NM                         | 0.30                     |
| 6/27/2024                           | 4.51             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | NM                       | 6.72             | BP               | NM                         | 0.20                     |
| 7/11/2024                           | 4.06             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | NM                       | 4.72             | BP               | NM                         | 0.25                     |
| 7/25/2024                           | 2.92             | ND               | 0                          | 0                        | NM                         | NM               | NM                         | NM                       | 4.50             | BP               | NM                         | 0.20                     |
| 8/8/2024                            | 5.21             | ND               | 0                          | 0                        | 16.76                      | ND               | ND                         | 0                        | 6.10             | BP               | NM                         | 0.15                     |
| 9/5/2024                            | 5.02             | ND               | 0                          | 0                        | 17.64                      | ND               | 0                          | 0                        | 7.00             | BP               | NM                         | 0.30                     |
| 9/19/2024                           | 5.40             | ND               | 0                          | 0                        | 18.04                      | ND               | 0                          | 0                        | 9.06             | BP               | NM                         | TR                       |
| <b>Total DNAPL<br/>Pumped (gal)</b> | <b>0.0</b>       |                  |                            |                          | <b>0.0</b>                 |                  |                            |                          | <b>293.2</b>     |                  |                            |                          |

## Notes:

\* - indicates DNAPL and groundwater mixture

ND - Not detected

\*\* - indicates DTD from previous event was used

NM - Not measured

--- - No DNAPL pumped

PoP - Product on probe, not measureable

DTW - Depth to water (feet Below Top of Casing (BTOC))

TR- Trace amount of DNAPL Extracted

DTD - Depth to DNAPL (feet BTOC)

BP - Below pump; depth to DNAPL not measured because DNAPL is below top of in-well pump

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-44C           |                  |                            |                          | MW-45C           |                  |                            |                          | MW-46C           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 2/14/2013              | 18.96            | 62.95            | 7.85                       | 1                        | 21.26            | 69.9             | 0.7                        | 0.3                      | 21.07            | 71.3             | 1.6                        | 0.3                      |
| 4/3/2013               | 19.34            | 70.47            | 0.33                       | 0.3*                     | 21.39            | 70.39            | 0.21                       | 0.3*                     | 20.61            | 72.36            | 0.54                       | 0.3*                     |
| 4/22/2013              | 18.62            | 70.64            | 0.16                       | 0.3*                     | 21.03            | 70.47            | 0.13                       | 0.3*                     | 20.61            | 72.61            | 0.29                       | 0.3*                     |
| 5/30/2013              | 18.43            | 70.01            | 0.79                       | 0.3*                     | 21.16            | 70.25            | 0.35                       | 0.3*                     | 20.59            | 71.61            | 1.29                       | 0.3*                     |
| 6/29/2013              | 19.34            | 70.32            | 0.48                       | 0.3                      | 21.93            | 70.32            | 0.28                       | 0.3*                     | 21.09            | 72.34            | 0.56                       | 0.3*                     |
| 7/22/2013              | 20.36            | 70.26            | 0.54                       | 0.3                      | 22.72            | 70.39            | 0.21                       | 0.3*                     | 21.96            | 72.16            | 0.74                       | 0.3*                     |
| 8/26/2013              | 20.62            | 70.39            | 0.41                       | 0.3                      | 22.86            | 70.31            | 0.29                       | 0.3                      | 22.23            | 72.32            | 0.58                       | 0.3                      |
| 9/27/2013              | 20.39            | 70.61            | 0.19                       | 0.3                      | 22.66            | 70.17            | 0.43                       | 0.3                      | 22.09            | 72.09            | 0.81                       | 0.3                      |
| 10/31/2013             | 20.17            | 70.75            | 0.05                       | 0.1                      | 22.59            | 70.42            | 0.18                       | 0.1                      | 22.41            | 72.34            | 0.56                       | 0.2                      |
| 11/27/2013             | 20.09            | 70.78            | 0.02                       | 0.0                      | 22.52            | 70.49            | 0.11                       | 0                        | 22.31            | 72.47            | 0.43                       | 0.1                      |
| 12/31/2013             | 20.01            | 70.8             | PoP                        | 0.0                      | 22.39            | 70.46            | 0.14                       | 0                        | 22.03            | 72.53            | 0.37                       | 0.1                      |
| 1/30/2014              | 19.67            | 70.42            | 0.38                       | 0.3                      | 22.13            | 70.35            | 0.25                       | 0                        | 21.81            | 72.55            | 0.35                       | 0.1                      |
| 3/3/2014               | 19.29            | 70.17            | 0.63                       | 0.3                      | 21.86            | 70.09            | 0.51                       | 0                        | 21.57            | 72.05            | 0.85                       | 0.3                      |
| 3/31/2014              | 19.17            | 70.02            | 0.78                       | 0.3                      | 21.71            | 69.63            | 0.97                       | 0.3                      | 21.43            | 72.12            | 0.78                       | 0.1                      |
| 4/30/2014              | 19.02            | 69.81            | 0.99                       | 0.3                      | 21.59            | 69.74            | 0.86                       | 0.3                      | 21.27            | 71.81            | 1.09                       | 0.3                      |
| 5/27/2014              | 18.92            | 69.71            | 1.09                       | 0.0                      | 21.52            | 69.67            | 0.93                       | 0.3                      | 21.34            | 71.71            | 1.19                       | 0.3                      |
| 6/26/2014              | 18.81            | 69.52            | 1.28                       | 0.3                      | 21.59            | 69.77            | 0.83                       | 0.3                      | 21.17            | 71.6             | 1.3                        | 0.3                      |
| 7/31/2014              | 18.66            | 69.37            | 1.43                       | 0.3                      | 21.21            | 69.96            | 0.64                       | 0.3                      | 20.39            | 71.43            | 1.47                       | 0.3                      |
| 8/27/2014              | 18.53            | 69.47            | 1.33                       | 0.3                      | 21.13            | 70.12            | 0.48                       | 0.3                      | 20.22            | 71.61            | 1.29                       | 0.3                      |
| 10/3/2014              | 18.41            | 69.23            | 1.57                       | 0.3                      | 20.13            | 70.41            | 0.19                       | 0.3                      | 20.14            | 71.39            | 1.51                       | 0.3                      |
| 11/3/2014              | 18.52            | 69.37            | 1.43                       | 0.3                      | 20.29            | 70.36            | 0.24                       | 0.3                      | 20.27            | 71.47            | 1.43                       | 0.3                      |
| 11/24/2014             | 18.57            | 69.49            | 1.31                       | 0.5                      | 20.34            | 70.48            | 0.12                       | 0.3                      | 20.38            | 71.53            | 1.37                       | 0.5                      |
| 12/22/2014             | 18.51            | 69.31            | 1.49                       | 0.5                      | 20.31            | 70.41            | 0.19                       | 0.3                      | 20.37            | 71.42            | 1.48                       | 0.5                      |
| 1/29/2015              | 18.39            | 69.39            | 1.41                       | 0.5                      | 20.17            | 70.51            | 0.09                       | 0.3                      | 20.13            | 71.48            | 1.42                       | 0.5                      |
| 2/26/2015              | 18.42            | 69.51            | 1.29                       | 0.5                      | 20.11            | 70.59            | 0.01                       | 0                        | 20.09            | 71.38            | 1.52                       | 0.5                      |
| 3/26/2015              | 18.39            | 69.42            | 1.38                       | 0.3                      | 19.26            | 70.52            | 0.08                       | 0                        | 20.17            | 71.02            | 1.88                       | 0.3                      |
| 4/27/2015              | 18.29            | 69.52            | 1.28                       | 0.5                      | 20.17            | 70.48            | 0.12                       | 0.3                      | 20.22            | 71.56            | 1.34                       | 1.0                      |
| 5/26/2015              | 18.17            | 69.57            | 1.23                       | 0.8                      | 20.12            | 70.41            | 0.19                       | 0.3                      | 20.12            | 71.61            | 1.29                       | 1.0                      |
| 7/6/2015               | 16.29            | 69.86            | 0.94                       | 0.5                      | 18.07            | 70.49            | 0.11                       | 0.3                      | 18.17            | 71.93            | 0.97                       | 0.8                      |
| 8/3/2015               | 16.18            | 69.82            | 0.98                       | 0.5                      | 18.16            | 70.56            | 0.04                       | TR*                      | 18.24            | 71.98            | 0.92                       | 0.8                      |
| 8/27/2015              | 17.46            | 69.74            | 1.06                       | 0.3                      | 19.03            | 70.54            | 0.06                       | TR*                      | 19.39            | 72.03            | 0.87                       | 0.5                      |
| 10/5/2015              | 16.83            | 69.86            | 0.94                       | 0.3                      | 18.39            | ND               | 0                          | 0                        | 18.72            | 72.34            | 0.56                       | 0.5                      |
| 11/5/2015              | 16.62            | 69.79            | 1.01                       | 0.3                      | 17.96            | ND               | 0                          | 0                        | 18.51            | 72.26            | 0.64                       | 0.5                      |
| 12/3/2015              | 16.46            | 69.73            | 1.07                       | 0.3                      | 17.72            | ND               | 0                          | 0                        | 18.62            | 72.36            | 0.54                       | 0.5                      |
| 12/28/2015             | 16.32            | 69.77            | 1.03                       | 0.3                      | 17.62            | ND               | 0                          | 0                        | 18.42            | 72.31            | 0.59                       | 0.5                      |
| 2/3/2016               | 16.17            | 69.74            | 1.06                       | 0.3                      | 17.42            | ND               | 0                          | 0                        | 18.29            | 72.46            | 0.44                       | 0.3                      |
| 3/3/2016               | 16.12            | 69.79            | 1.01                       | 0.3                      | 17.39            | ND               | 0                          | 0                        | 18.23            | 72.49            | 0.41                       | 0.3                      |
| 3/31/2016              | 16.06            | 69.71            | 1.09                       | 0.3                      | 17.33            | ND               | 0                          | 0                        | 18.24            | 72.54            | 0.36                       | 0.3                      |
| 5/3/2016               | 16.27            | 69.59            | 1.21                       | 0.3                      | 17.47            | ND               | 0                          | 0                        | 18.39            | 72.39            | 0.51                       | 0.3                      |
| 6/2/2016               | 16.38            | 69.63            | 1.17                       | 0.3                      | 17.52            | ND               | 0                          | 0                        | 18.43            | 72.43            | 0.47                       | 0.3                      |
| 7/8/2016               | 16.47            | 69.71            | 1.09                       | 0.3                      | 17.62            | ND               | 0                          | 0                        | 18.54            | 72.49            | 0.41                       | 0.3                      |
| 8/3/2016               | 16.59            | 69.7             | 1.1                        | 0.3                      | 17.69            | ND               | 0                          | 0                        | 18.51            | 72.53            | 0.37                       | 0.3                      |
| 8/30/2016              | 16.67            | 69.58            | 1.22                       | 0.3                      | 17.76            | ND               | 0                          | 0                        | 18.72            | 72.57            | 0.33                       | 0.3                      |
| 9/30/2016              | 16.79            | 69.49            | 1.31                       | 0.5                      | 17.86            | ND               | 0                          | 0                        | 18.83            | 72.46            | 0.44                       | 0.3                      |
| 11/3/2016              | 16.86            | 69.71            | 1.09                       | 0.5                      | 17.92            | ND               | 0                          | 0                        | 18.89            | 72.41            | 0.49                       | 0.3                      |
| 11/30/2016             | 17.03            | 69.94            | 0.86                       | 0.8                      | 18.09            | ND               | 0                          | 0                        | 19.12            | 72.32            | 0.58                       | 0.3                      |
| 1/4/2017               | 17.22            | 70.11            | 0.69                       | 0.8                      | 18.22            | ND               | 0                          | 0                        | 19.27            | 72.46            | 0.44                       | 0.3                      |
| 2/7/2017               | 17.29            | 70.01            | 0.79                       | 0.5                      | 18.17            | ND               | 0                          | 0                        | 19.19            | 72.39            | 0.51                       | 0.3                      |
| 3/2/2017               | 17.17            | 70.16            | 0.64                       | 0.5                      | 17.96            | ND               | 0                          | 0                        | 19.03            | 72.31            | 0.59                       | 0.3                      |
| 4/3/2017               | 17.06            | 70.21            | 0.59                       | 0                        | 17.89            | ND               | 0                          | 0                        | 18.97            | 72.39            | 0.51                       | 0.3                      |
| 4/27/2017              | 17.01            | 70.29            | 0.51                       | 0                        | 17.67            | ND               | 0                          | 0                        | 18.84            | 72.31            | 0.59                       | 0.5                      |
| 5/29/2017              | 17.23            | 70.24            | 0.56                       | 0.3                      | 17.84            | ND               | 0                          | 0                        | 18.94            | 72.47            | 0.43                       | 0.3                      |
| 7/5/2017               | 17.33            | 70.34            | 0.46                       | 0.3                      | 17.96            | ND               | 0                          | 0                        | 19.12            | 72.34            | 0.56                       | 0.5                      |
| 8/1/2017               | 17.39            | 70.39            | 0.41                       | 0.3                      | 18.09            | ND               | 0                          | 0                        | 19.23            | 72.27            | 0.63                       | 0.5                      |
| 9/5/2017               | 17.36            | 70.43            | 0.37                       | 0.3                      | 18.16            | ND               | 0                          | 0                        | 19.29            | 72.34            | 0.56                       | 0.5                      |
| 10/4/2017              | 17.31            | 70.41            | 0.39                       | 0.3                      | 18.21            | ND               | 0                          | 0                        | 19.36            | 72.3             | 0.6                        | 0.5                      |
| 11/2/2017              | 17.42            | 70.4             | 0.4                        | 0.3                      | 18.32            | ND               | 0                          | 0                        | 19.42            | 72.36            | 0.54                       | 0.5                      |
| 11/29/2017             | 17.49            | 70.36            | 0.44                       | 0.3                      | 18.43            | ND               | 0                          | 0                        | 19.57            | 72.34            | 0.56                       | 0.5                      |
| 1/2/2018               | 17.67            | 70.31            | 0.49                       | 0.5                      | 18.73            | ND               | 0                          | 0                        | 19.81            | 72.39            | 0.51                       | 0.5                      |
| 2/7/2018               | 17.77            | 70.34            | 0.46                       | 0.5                      | 18.62            | ND               | 0                          | 0                        | 19.96            | 72.46            | 0.44                       | 0.5                      |
| 3/1/2018               | NM               | NM               | NM                         | 0                        | 18.79            | ND               | 0                          | 0                        | 20.02            | 72.32            | 0.58                       | 0.5                      |
| 4/2/2018               | NM               | NM               | NM                         | 0                        | 18.72            | ND               | 0                          | 0                        | 19.81            | 72.39            | 0.51                       | 0.5                      |
| 5/1/2018               | NM               | NM               | NM                         | 0                        | 19.31            | ND               | 0                          | 0                        | 20.62            | 72.46            | 0.44                       | 1                        |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-44C           |                  |                            |                          | MW-45C           |                  |                            |                          | MW-46C           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 6/1/2018               | 18.31            | 70.17            | 0.63                       | 0.8                      | 19.47            | ND               | 0                          | 0                        | 20.87            | 72.51            | 0.39                       | 1                        |
| 6/29/2018              | 18.79            | 70.39            | 0.41                       | 0.8                      | 19.67            | ND               | 0                          | 0                        | 20.97            | 72.57            | 0.33                       | 1                        |
| 8/3/2018               | 18.97            | 70.36            | 0.44                       | 0.8                      | 19.77            | ND               | 0                          | 0                        | 21.11            | 72.59            | 0.31                       | 1                        |
| 8/31/2018              | 18.87            | 70.39            | 0.41                       | 0.5                      | 19.41            | ND               | 0                          | 0                        | 20.96            | 72.48            | 0.42                       | 0.5                      |
| 9/28/2018              | 18.82            | 70.41            | 0.39                       | 0.8                      | 19.32            | ND               | 0                          | 0                        | 20.91            | 72.43            | 0.47                       | 0.5                      |
| 11/2/2018              | 18.67            | 70.44            | 0.36                       | 0.8                      | 19.26            | ND               | 0                          | 0                        | 20.77            | 72.39            | 0.51                       | 0.8                      |
| 11/29/2018             | 18.47            | 70.46            | 0.34                       | 0.3                      | 19.16            | ND               | 0                          | 0                        | 20.52            | 72.34            | 0.56                       | 0.5                      |
| 1/2/2019               | 18.42            | 70.41            | 0.39                       | 0.5                      | 19.02            | ND               | 0                          | 0                        | 20.49            | 72.46            | 0.44                       | 0.5                      |
| 2/2/2019               | 18.29            | 70.41            | 0.39                       | 0.5                      | 18.93            | ND               | 0                          | 0                        | 20.43            | 72.49            | 0.41                       | 0.5                      |
| 2/28/2019              | 18.16            | 70.42            | 0.38                       | 0.5                      | 18.77            | ND               | 0                          | 0                        | 20.34            | 72.37            | 0.53                       | 0.5                      |
| 4/2/2019               | 18.09            | 70.39            | 0.41                       | 0.5                      | 18.71            | ND               | 0                          | 0                        | 20.18            | 72.32            | 0.58                       | 0.5                      |
| 4/25/2019              | 18.02            | 70.16            | 0.64                       | 0.5                      | 18.63            | ND               | 0                          | 0                        | 20.14            | 72.36            | 0.54                       | 0.5                      |
| 5/29/2019              | 18.61            | 70.23            | 0.57                       | 0.5                      | 18.47            | ND               | 0                          | 0                        | 20.06            | 72.39            | 0.51                       | 0.5                      |
| 6/12/2019              | 18.29            | ND               | Trace                      | 0                        | 18.81            | ND               | 0                          | 0                        | 18.02            | ND               | Trace                      | 0                        |
| 6/30/2019              | 18.16            | ND               | 0                          | 0                        | 18.71            | ND               | 0                          | 0                        | 18.09            | ND               | 0                          | 0                        |
| 7/16/2019              | 18.09            | ND               | 0                          | 0                        | 18.66            | ND               | 0                          | 0                        | 18.12            | ND               | 0                          | 0                        |
| 8/2/2019               | 18.17            | ND               | 0                          | 0                        | 18.72            | ND               | 0                          | 0                        | 18.17            | ND               | 0                          | 0                        |
| 8/15/2019              | 18.22            | ND               | 0                          | 0                        | 18.79            | ND               | 0                          | 0                        | 18.09            | ND               | 0                          | 0                        |
| 8/28/2019              | 18.29            | ND               | 0                          | 0                        | 18.86            | ND               | 0                          | 0                        | 18.17            | ND               | 0                          | 0                        |
| 9/17/2019              | 18.39            | ND               | 0                          | 0                        | 18.97            | ND               | 0                          | 0                        | 18.23            | ND               | 0                          | 0                        |
| 10/2/2019              | 18.32            | ND               | 0                          | 0                        | 18.89            | ND               | 0                          | 0                        | 18.17            | ND               | 0                          | 0                        |
| 10/16/2019             | 15.06            | ND**             | 0                          | 0                        | 16.23            | ND               | 0                          | 0                        | 16.34            | ND               | 0                          | 0                        |
| 10/31/2019             | 14.89            | ND**             | 0                          | 0                        | 15.94            | ND               | 0                          | 0                        | 16.06            | ND               | 0                          | 0                        |
| 11/15/2019             | 14.21            | ND**             | 0                          | 0                        | 15.69            | ND               | 0                          | 0                        | 15.81            | ND               | 0                          | 0                        |
| 12/3/2019              | 16.11            | ND**             | 0                          | 0                        | 15.71            | ND               | 0                          | 0                        | 15.91            | ND               | 0                          | 0                        |
| 12/18/2019             | 16.51            | ND**             | 0                          | 0                        | 15.91            | ND               | 0                          | 0                        | 16.11            | ND               | 0                          | 0                        |
| 12/30/2019             | 16.65            | ND**             | 0                          | 0                        | 16.11            | ND               | 0                          | 0                        | 16.22            | ND               | 0                          | 0                        |
| 1/7/2020               | --               | --               | --                         | --                       | --               | --               | --                         | --                       | --               | --               | --                         | --                       |
| 1/15/2020              | 16.61            | ND**             | 0                          | 0                        | 16.11            | ND               | 0                          | 0                        | 16.29            | ND               | 0                          | 0                        |
| 1/27/2020              | 16.24            | ND**             | 0                          | 0                        | 15.71            | ND               | 0                          | 0                        | 16.15            | ND               | 0                          | 0                        |
| 2/13/2020              | 15.81            | ND**             | 0                          | 0                        | 15.29            | ND               | 0                          | 0                        | 14.4             | ND               | 0                          | 0                        |
| 2/25/2020              | 15.81            | ND**             | 0                          | 0                        | 15.28            | ND               | 0                          | 0                        | 15.42            | ND               | 0                          | 0                        |
| 3/13/2020              | 15.84            | ND**             | 0                          | 0                        | 15.31            | ND               | 0                          | 0                        | 15.57            | ND               | 0                          | 0                        |
| 3/31/2020              | 14.82            | ND**             | 0                          | 0                        | 15.59            | ND               | 0                          | 0                        | 15.72            | ND               | 0                          | 0                        |
| 4/9/2020               | 22.76            | ND**             | 0                          | 0                        | 15.67            | ND               | 0                          | 0                        | 15.89            | ND               | 0                          | 0                        |
| 4/27/2020              | 14.67            | ND**             | 0                          | 0                        | 15.94            | ND               | 0                          | 0                        | 16.12            | ND               | 0                          | 0                        |
| 5/14/2020              | 14.21            | ND**             | 0                          | 0                        | 16.38            | 69.3             | 1.30                       | 0.1                      | 16.51            | ND               | 0                          | 0                        |
| 5/28/2020              | 12.06            | 57.61            | 0.39**                     | 0                        | 16.46            | 70               | 0.6                        | 0                        | 16.71            | ND               | 0                          | 0                        |
| 6/11/2020              | 11.61            | ND**             | 0                          | 0                        | 16.68            | ND               | 0                          | 0                        | 16.83            | ND               | 0                          | 0                        |
| 6/25/2020              | 10.37            | ND**             | 0                          | 0                        | 14.99            | ND               | 0                          | 0                        | 15.12            | ND               | 0                          | 0                        |
| 7/9/2020               | 11.51            | ND**             | 0                          | 0                        | 16.28            | ND               | 0                          | 0                        | 16.51            | ND               | 0                          | 0                        |
| 7/23/2020              | 16.92            | ND**             | 0                          | 0                        | 16.49            | 69.7             | 0.90                       | TR                       | 16.49            | ND               | 0                          | 0                        |
| 8/6/2020               | 16.75            | ND**             | 0                          | 0                        | 16.19            | ND               | 0                          | 0                        | 16.47            | ND               | 0                          | 0                        |
| 8/20/2020              | 16.71            | ND**             | 0                          | 0                        | 16.18            | ND               | 0                          | 0                        | 16.35            | ND               | 0                          | 0                        |
| 9/2/2020               | 16.84            | ND**             | 0                          | 0                        | 16.21            | ND               | 0                          | 0                        | 16.51            | ND               | 0                          | 0                        |
| 9/17/2020              | 17.29            | ND**             | 0                          | 0                        | 16.71            | ND               | 0                          | 0                        | 16.85            | ND               | 0                          | 0                        |
| 10/1/2020              | 16.84            | ND**             | 0                          | 0                        | 16.61            | ND               | 0                          | 0                        | 16.64            | ND               | 0                          | 0                        |
| 10/14/2020             | 16.92            | ND**             | 0                          | 0                        | 16.39            | ND               | 0                          | 0                        | 16.58            | ND               | 0                          | 0                        |
| 10/28/2020             | 17.11            | ND**             | 0                          | 0                        | 16.58            | 70.6             | Trace                      | TR                       | 16.74            | ND               | 0                          | 0                        |
| 11/12/2020             | 17.42            | ND**             | 0                          | 0                        | 16.83            | ND               | 0                          | 0                        | 17.04            | ND               | 0                          | 0                        |
| 11/23/2020             | 17.69            | ND**             | 0                          | 0                        | 17.12            | ND               | 0                          | 0                        | 17.33            | ND               | 0                          | 0                        |
| 12/10/2020             | 17.01            | ND**             | 0                          | 0                        | 16.50            | ND               | 0                          | 0                        | 16.71            | ND               | 0                          | 0                        |
| 12/21/2020             | 16.69            | ND**             | 0                          | 0                        | 16.02            | 69.04            | 1.56                       | 0.3                      | 16.22            | ND               | 0                          | 0                        |
| 1/7/2021               | 15.91            | ND**             | 0                          | 0                        | 15.59            | ND               | 0                          | 0                        | 15.81            | ND               | 0                          | 0                        |
| 1/21/2021              | 15.77            | ND**             | 0                          | 0                        | 15.2             | 70.5             | 0.1                        | TR                       | 15.44            | ND               | 0                          | 0                        |
| 2/4/2021               | 15.69            | ND**             | 0                          | 0                        | 15.19            | 70.55            | 0.05                       | TR                       | 15.39            | ND               | 0                          | 0                        |
| 2/23/2021              | 14.55            | ND**             | 0                          | 0                        | 14.99            | 70.21            | 0.39                       | TR                       | 15.24            | ND               | 0                          | 0                        |
| 3/11/2021              | 15.49            | ND**             | 0                          | 0                        | 14.98            | ND               | 0                          | 0                        | 15.21            | ND               | 0                          | 0                        |
| 3/25/2021              | 15.5             | ND**             | 0                          | 0                        | 14.99            | ND               | 0                          | 0                        | 15.18            | ND               | 0                          | 0                        |
| 4/8/2021               | 15.59            | ND**             | 0                          | 0                        | 15.19            | ND               | 0                          | 0                        | 15.41            | ND               | 0                          | 0                        |
| 4/22/2021              | 16.09            | ND**             | 0                          | 0                        | 15.52            | ND               | 0                          | 0                        | 15.77            | ND               | 0                          | 0                        |
| 5/4/2021               | Well Damaged     |                  |                            | 0                        | 14.58            | ND               | 0                          | 0                        | 14.74            | ND               | 0                          | 0                        |
| 5/20/2021              | Well Damaged     |                  |                            | 0                        | 15.58            | ND               | 0                          | 0                        | 15.75            | ND               | 0                          | 0                        |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-44C           |                  |                            |                          | MW-45C           |                  |                            |                          | MW-46C           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 6/3/2021               | Well Damaged     |                  |                            | 0                        | 14.96            | ND               | 0                          | 0                        | 15.21            | ND               | 0                          | 0                        |
| 6/17/2021              | Well Damaged     |                  |                            | 0                        | 15.76            | ND               | 0                          | 0                        | 15.08            | ND               | 0                          | 0                        |
| 7/1/2021               | Well Damaged     |                  |                            | 0                        | 14.59            | 69.79            | 0.81                       | 0.3                      | 14.81            | ND               | 0                          | 0                        |
| 7/19/2021              | Well Damaged     |                  |                            | 0                        | 14.05            | 69.42            | 1.18                       | 0.3                      | 14.26            | ND               | 0                          | 0                        |
| 7/29/2021              | Well Damaged     |                  |                            | 0                        | 14.05            | 69.71            | 0.89                       | 0.1                      | 14.29            | ND               | 0                          | 0                        |
| 8/12/2021              | Well Damaged     |                  |                            | 0                        | 14.68            | 70.36            | 0.24                       | TR                       | 14.84            | ND               | 0                          | 0                        |
| 8/26/2021              | Well Damaged     |                  |                            | 0                        | 15.21            | ND               | 0                          | 0                        | 15.43            | ND               | 0                          | 0                        |
| 9/10/2021              | Well Damaged     |                  |                            | 0                        | 15.63            | ND               | 0                          | 0                        | 15.82            | ND               | 0                          | 0                        |
| 9/22/2021              | Well Damaged     |                  |                            | 0                        | 15.71            | ND               | 0                          | 0                        | 15.89            | ND               | 0                          | 0                        |
| 10/8/2021              | Well Damaged     |                  |                            | 0                        | 15.47            | ND               | 0                          | 0                        | 15.83            | ND               | 0                          | 0                        |
| 10/20/2021             | Well Damaged     |                  |                            | 0                        | 15.88            | ND               | 0                          | 0                        | 15.98            | ND               | 0                          | 0                        |
| 11/4/2021              | Well Damaged     |                  |                            | 0                        | 15.31            | 68.61            | 1.99                       | 0                        | 15.51            | ND               | 0                          | 0                        |
| 11/18/2021             | Well Damaged     |                  |                            | 0                        | 15.31            | ND               | 0                          | 0                        | 15.51            | ND               | 0                          | 0                        |
| 12/3/2021              | Well Damaged     |                  |                            | 0                        | 15.51            | ND               | 0                          | 0                        | 15.72            | ND               | 0                          | 0                        |
| 12/16/2021             | Well Damaged     |                  |                            | 0                        | 15.68            | ND               | 0                          | 0                        | 16.02            | ND               | 0                          | 0                        |
| 12/30/2021             | Well Damaged     |                  |                            | 0                        | 15.61            | ND               | Trace                      | 0                        | 15.62            | ND               | Trace                      | 0                        |
| 1/14/2022              | Well Damaged     |                  |                            | 0                        | 15.72            | ND               | Trace                      | 0                        | 15.81            | ND               | Trace                      | 0                        |
| 1/26/2022              | Well Damaged     |                  |                            | 0                        | 15.83            | ND               | Trace                      | 0                        | 15.96            | ND               | Trace                      | 0                        |
| 2/10/2022              | Well Damaged     |                  |                            | 0                        | 15.33            | ND               | 0                          | 0                        | 15.56            | ND               | 0                          | 0                        |
| 2/24/2022              | Well Damaged     |                  |                            | 0                        | 15.58            | 69.83            | 0.67                       | 0                        | 15.78            | ND               | 0                          | 0                        |
| 3/10/2022              | Well Damaged     |                  |                            | 0                        | 15.58            | 69.71            | 0.79                       | 0.3                      | 15.83            | ND               | 0                          | 0                        |
| 3/24/2022              | Well Damaged     |                  |                            | 0                        | 16.08            | ND               | 0                          | 0                        | 16.20            | ND               | 0                          | 0                        |
| 4/7/2022               | Well Damaged     |                  |                            | 0                        | 16.15            | ND               | 0                          | 0                        | 16.34            | ND               | 0                          | 0                        |
| 4/18/2022              | Well Damaged     |                  |                            | 0                        | 16.29            | ND               | 0                          | 0                        | 16.59            | ND               | 0                          | 0                        |
| 5/2/2022               | Well Damaged     |                  |                            | 0                        | 16.43            | ND               | 0                          | 0                        | 16.61            | ND               | 0                          | 0                        |
| 5/20/2022              | Well Damaged     |                  |                            | 0                        | 16.29            | ND               | 0                          | 0                        | 16.52            | ND               | 0                          | 0                        |
| 6/2/2022               | Well Damaged     |                  |                            | 0                        | 16.42            | ND               | 0                          | 0                        | 16.74            | ND               | 0                          | 0                        |
| 6/16/2022              | Well Damaged     |                  |                            | 0                        | NM               | NM               | NM                         | 0                        | 17.33            | ND               | 0                          | 0                        |
| 6/30/2022              | Well Damaged     |                  |                            | 0                        | NM               | NM               | NM                         | 0                        | 17.72            | ND               | 0                          | 0                        |
| 7/15/2022              | Well Damaged     |                  |                            | 0                        | 17.98            | ND               | 0                          | 0                        | 18.21            | ND               | 0                          | 0                        |
| 7/28/2022              | Well Damaged     |                  |                            | 0                        | 18.06            | ND               | 0                          | 0                        | 18.41            | ND               | 0                          | 0                        |
| 8/12/2022              | Well Damaged     |                  |                            | 0                        | NM               | NM               | NM                         | 0                        | 18.00            | ND               | 0                          | 0                        |
| 8/29/2022              | Well Damaged     |                  |                            | 0                        | 18.57            | ND               | 0                          | 0                        | 19.42            | ND               | 0                          | 0                        |
| 9/16/2022              | Well Damaged     |                  |                            | 0                        | 17.35            | ND               | Trace                      | 0                        | 17.60            | ND               | 0                          | 0                        |
| 9/30/2022              | Well Damaged     |                  |                            | 0                        | 17.65            | ND               | Trace                      | 0                        | 17.85            | ND               | 0                          | 0                        |
| 10/17/2022             | Well Damaged     |                  |                            | 0                        | 18.95            | ND               | 0                          | 0                        | 18.12            | ND               | 0                          | 0                        |
| 10/27/2022             | Well Damaged     |                  |                            | 0                        | 19.03            | ND               | 0                          | 0                        | 18.22            | ND               | 0                          | 0                        |
| 11/10/2022             | Well Damaged     |                  |                            | 0                        | 18.76            | ND               | 0                          | 0                        | 18.76            | ND               | 0                          | 0                        |
| 11/30/2022             | Well Damaged     |                  |                            | 0                        | 16.46            | ND               | 0                          | 0                        | 15.79            | ND               | 0                          | 0                        |
| 12/16/2022             | Well Damaged     |                  |                            | 0                        | 16.52            | ND               | 0                          | 0                        | 15.71            | ND               | 0                          | 0                        |
| 12/27/2022             | Well Damaged     |                  |                            | 0                        | 16.74            | ND               | 0                          | 0                        | 16.12            | ND               | 0                          | 0                        |
| 1/13/2023              | Well Damaged     |                  |                            | 0                        | 17.13            | ND               | 0                          | 0                        | 16.49            | ND               | 0                          | 0                        |
| 1/27/2023              | Well Damaged     |                  |                            | 0                        | 16.45            | ND               | 0                          | 0                        | 16.62            | ND               | 0                          | 0                        |
| 2/9/2023               | Well Damaged     |                  |                            | 0                        | 16.05            | ND               | 0                          | 0                        | 16.22            | ND               | 0                          | 0                        |
| 2/23/2023              | Well Damaged     |                  |                            | 0                        | 16.11            | ND               | 0                          | 0                        | 16.25            | ND               | 0                          | 0                        |
| 3/9/2023               | Well Damaged     |                  |                            | 0                        | 15.96            | ND               | 0                          | 0                        | 16.18            | ND               | 0                          | 0                        |
| 3/23/2023              | Well Damaged     |                  |                            | 0                        | 16.57            | ND               | 0                          | 0                        | 16.69            | ND               | 0                          | 0                        |
| 4/6/2023               | Well Damaged     |                  |                            | 0                        | 16.07            | ND               | 0                          | 0                        | 16.31            | ND               | 0                          | 0                        |
| 4/19/2023              | Well Damaged     |                  |                            | 0                        | 16.04            | ND               | 0                          | 0                        | 16.14            | ND               | 0                          | 0                        |
| 5/5/2023               | Well Damaged     |                  |                            | 0                        | 16.22            | ND               | 0                          | 0                        | 16.39            | ND               | 0                          | 0                        |
| 5/18/2023              | Well Damaged     |                  |                            | 0                        | 13.02            | ND               | 0                          | 0                        | 16.05            | ND               | 0                          | 0                        |
| 6/1/2023               | Well Damaged     |                  |                            | 0                        | 17.90            | ND               | 0                          | 0                        | 16.05            | ND               | 0                          | 0                        |
| 6/15/2023              | Well Damaged     |                  |                            | 0                        | 16.15            | ND               | 0                          | 0                        | 16.32            | ND               | 0                          | 0                        |
| 6/29/2023              | Well Damaged     |                  |                            | 0                        | 16.55            | ND               | 0                          | 0                        | 16.78            | ND               | 0                          | 0                        |
| 7/13/2023              | Well Damaged     |                  |                            | 0                        | 16.86            | ND               | Trace                      | 0                        | 17.80            | ND               | 0                          | 0                        |
| 7/27/2023              | Well Damaged     |                  |                            | 0                        | 18.33            | ND               | 0                          | 0                        | 17.50            | ND               | 0                          | 0                        |
| 8/10/2023              | Well Damaged     |                  |                            | 0                        | 18.51            | ND               | 0                          | 0                        | 18.12            | ND               | 0                          | 0                        |
| 8/24/2023              | Well Damaged     |                  |                            | 0                        | 18.31            | ND               | 0                          | 0                        | 18.48            | ND               | 0                          | 0                        |
| 9/7/2023               | Well Damaged     |                  |                            | 0                        | 18.85            | ND               | 0                          | 0                        | 18.63            | ND               | 0                          | 0                        |
| 9/21/2023              | Well Damaged     |                  |                            | 0                        | 19.85            | ND               | 0                          | 0                        | 18.82            | ND               | Trace                      | 0                        |
| 10/5/2023              | Well Damaged     |                  |                            | 0                        | 18.71            | ND               | 0                          | 0                        | 18.90            | ND               | 0                          | 0                        |
| 10/19/2023             | Well Damaged     |                  |                            | 0                        | 18.71            | ND               | 0                          | 0                        | 18.56            | PoP              | Trace                      | 0                        |
| 11/2/2023              | Well Damaged     |                  |                            | 0                        | 18.66            | ND               | 0                          | 0                        | 18.51            | ND               | 0                          | 0                        |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date              | MW-44C           |                  |                            |                          | MW-45C           |                  |                            |                          | MW-46C           |                  |                            |                          |
|-------------------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                                     | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 11/16/2023                          | Well Damaged     |                  |                            | 0                        | 18.40            | ND               | 0                          | 0                        | 18.56            | ND               | 0                          | 0                        |
| 11/30/2023                          | Well Damaged     |                  |                            | 0                        | 18.29            | NM               | 0                          | 0                        | 18.39            | ND               | 0                          | 0                        |
| 12/14/2023                          | Well Damaged     |                  |                            | 0                        | 18.05            | PoP              | Trace                      | 0                        | 18.22            | ND               | 0                          | 0                        |
| 12/27/2023                          | Well Damaged     |                  |                            | 0                        | 17.98            | NM               | 0                          | 0                        | 17.90            | ND               | 0                          | 0                        |
| 1/11/2024                           | Well Damaged     |                  |                            | 0                        | 17.40            | ND               | 0                          | 0                        | 17.22            | ND               | 0                          | 0                        |
| 1/25/2024                           | Well Damaged     |                  |                            | 0                        | 16.76            | ND               | 0                          | 0                        | 17.00            | ND               | 0                          | 0                        |
| 2/9/2024                            | Well Damaged     |                  |                            | 0                        | 16.20            | PoP              | Trace                      | 0                        | 16.35            | PoP              | Trace                      | 0                        |
| 2/22/2024                           | Well Damaged     |                  |                            | 0                        | 16.01            | ND               | 0                          | 0                        | 16.20            | ND               | 0                          | 0                        |
| 3/7/2024                            | Well Damaged     |                  |                            | 0                        | 16.40            | ND               | 0                          | 0                        | 16.20            | ND               | 0                          | 0                        |
| 3/22/2024                           | Well Damaged     |                  |                            | 0                        | 17.26            | ND               | 0                          | 0                        | 17.41            | PoP              | Trace                      | 0                        |
| 4/18/2024                           | Well Damaged     |                  |                            | 0                        | 16.06            | PoP              | Trace                      | 0                        | 16.20            | ND               | 0                          | 0                        |
| 5/2/2024                            | Well Damaged     |                  |                            | 0                        | 11.20            | PoP              | Trace                      | 0                        | NM               | NM               | NM                         | NM                       |
| 5/17/2024                           | Well Damaged     |                  |                            | 0                        | 15.80            | PoP              | Trace                      | 0                        | 16.00            | ND               | 0                          | 0                        |
| 5/30/2024                           | Well Damaged     |                  |                            | 0                        | 15.60            | PoP              | Trace                      | 0                        | 15.78            | ND               | 0                          | 0                        |
| 6/13/2024                           | Well Damaged     |                  |                            | 0                        | 15.40            | PoP              | Trace                      | 0                        | 15.60            | ND               | 0                          | 0                        |
| 6/27/2024                           | Well Damaged     |                  |                            | 0                        | 15.63            | ND               | 0                          | 0                        | 15.85            | PoP              | Trace                      | 0                        |
| 7/11/2024                           | Well Damaged     |                  |                            | 0                        | 15.53            | PoP              | Trace                      | 0                        | 15.70            | ND               | 0                          | 0                        |
| 7/25/2024                           | Well Damaged     |                  |                            | 0                        | 15.01            | ND               | 0                          | 0                        | 15.15            | ND               | 0                          | 0                        |
| 8/8/2024                            | Well Damaged     |                  |                            | 0                        | 13.80            | ND               | 0                          | 0                        | 15.04            | ND               | 0                          | 0                        |
| 9/5/2024                            | Well Damaged     |                  |                            | 0                        | 15.70            | ND               | 0                          | 0                        | 15.98            | ND               | 0                          | 0                        |
| 9/19/2024                           | Well Damaged     |                  |                            | 0                        | 16.22            | ND               | 0                          | 0                        | 16.40            | ND               | 0                          | 0                        |
| <b>Total DNAPL<br/>Pumped (gal)</b> | <b>26.7</b>      |                  |                            |                          | <b>7.1</b>       |                  |                            |                          | <b>31.8</b>      |                  |                            |                          |

## Notes:

\* - indicates DNAPL and groundwater mixture

ND - Not detected

--- - No DNAPL pumped

NM - Not measured

DTW - Depth to water (feet Below Top of Casing (BTOC))

PoP - Product on probe, not measureable

DTD - Depth to DNAPL (feet BTOC)

TR- Trace amount of DNAPL Extracted

MW-44C not measured 3/1/18 - 5/1/18; couldn't locate well due to construction. MW-45C not measured 6/16/22-6/30/22; couldn't locate well

\*\*Total depth measured in MW-44C was approximately 10 ft higher than during previous events - attempted to remove silt in July and October 2020.

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-49A           |                  |                            |                          | MW-49B           |                  |                            |                          | MW-57A           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 2/14/2013              |                  |                  |                            |                          |                  |                  |                            |                          | 10.56            | 22.12            | 4.78                       | 0.5                      |
| 4/3/2013               |                  |                  |                            |                          |                  |                  |                            |                          | 10.32            | 24.79            | 2.11                       | 0.5                      |
| 4/22/2013              |                  |                  |                            |                          |                  |                  |                            |                          | 10.71            | 25.85            | 1.05                       | 0.5                      |
| 5/30/2013              |                  |                  |                            |                          |                  |                  |                            |                          | 10.63            | 24.16            | 2.74                       | 0.5                      |
| 6/29/2013              |                  |                  |                            |                          |                  |                  |                            |                          | 12.16            | 23.82            | 3.08                       | 2                        |
| 7/22/2013              |                  |                  |                            |                          | 11.83            | 33.91            | 0.84                       | --                       | 13.21            | 23.05            | 3.85                       | 2                        |
| 8/26/2013              |                  |                  |                            |                          |                  |                  |                            |                          | 12.91            | 25.32            | 1.58                       | 1                        |
| 9/27/2013              |                  |                  |                            |                          |                  |                  |                            |                          | 12.72            | 25.71            | 1.19                       | 0.8                      |
| 10/31/2013             |                  |                  |                            |                          |                  |                  |                            |                          | 12.72            | 25.92            | 0.98                       | 1                        |
| 11/27/2013             |                  |                  |                            |                          |                  |                  |                            |                          | 12.61            | 25.98            | 0.92                       | 1                        |
| 12/31/2013             |                  |                  |                            |                          |                  |                  |                            |                          | 12.46            | 26.09            | 0.81                       | 1                        |
| 1/30/2014              |                  |                  |                            |                          |                  |                  |                            |                          | 11.79            | 26.15            | 0.75                       | 0.3                      |
| 3/3/2014               |                  |                  |                            |                          |                  |                  |                            |                          | 11.02            | 26.25            | 0.65                       | 0.3                      |
| 3/31/2014              |                  |                  |                            |                          |                  |                  |                            |                          | 10.83            | 26.41            | 0.49                       | 0.3                      |
| 4/30/2014              |                  |                  |                            |                          |                  |                  |                            |                          | 10.71            | 26.31            | 0.59                       | 0.3                      |
| 5/27/2014              |                  |                  |                            |                          |                  |                  |                            |                          | 10.74            | 26.16            | 0.74                       | 0.3                      |
| 6/26/2014              |                  |                  |                            |                          |                  |                  |                            |                          | 10.61            | 26.29            | 0.61                       | 0.3                      |
| 7/31/2014              |                  |                  |                            |                          |                  |                  |                            |                          | 10.35            | 26.18            | 0.72                       | 0.3                      |
| 8/27/2014              |                  |                  |                            |                          |                  |                  |                            |                          | 10.22            | 26.26            | 0.64                       | 0.3                      |
| 10/3/2014              |                  |                  |                            |                          |                  |                  |                            |                          | 10.09            | 26.04            | 0.86                       | 0.3                      |
| 11/3/2014              |                  |                  |                            |                          |                  |                  |                            |                          | 10.17            | 26.16            | 0.74                       | 0.3                      |
| 11/24/2014             |                  |                  |                            |                          |                  |                  |                            |                          | 10.13            | 26.29            | 0.61                       | 0.3                      |
| 12/22/2014             |                  |                  |                            |                          |                  |                  |                            |                          | 10.06            | 26.34            | 0.56                       | 0.3                      |
| 1/29/2015              |                  |                  |                            |                          |                  |                  |                            |                          | 9.73             | 26.51            | 0.39                       | 0.3                      |
| 2/26/2015              |                  |                  |                            |                          |                  |                  |                            |                          | 9.87             | 26.42            | 0.48                       | 0.3                      |
| 3/26/2015              |                  |                  |                            |                          |                  |                  |                            |                          | 9.81             | 26.32            | 0.58                       | 0.3                      |
| 4/27/2015              |                  |                  |                            |                          |                  |                  |                            |                          | 9.82             | 26.47            | 0.43                       | 0.5                      |
| 5/26/2015              |                  |                  |                            |                          |                  |                  |                            |                          | 9.71             | 26.56            | 0.34                       | 0.5                      |
| 7/6/2015               |                  |                  |                            |                          |                  |                  |                            |                          | 7.41             | 26.82            | 0.08                       | TR*                      |
| 8/3/2015               |                  |                  |                            |                          |                  |                  |                            |                          | 7.29             | 26.86            | 0.04                       | TR*                      |
| 8/27/2015              |                  |                  |                            |                          |                  |                  |                            |                          | 8.11             | ND               | 0                          | TR*                      |
| 10/5/2015              |                  |                  |                            |                          |                  |                  |                            |                          | 7.72             | ND               | 0                          | 0                        |
| 11/5/2015              |                  |                  |                            |                          |                  |                  |                            |                          | 7.39             | ND               | 0                          | 0                        |
| 12/3/2015              |                  |                  |                            |                          |                  |                  |                            |                          | 7.13             | ND               | 0                          | 0                        |
| 12/28/2015             |                  |                  |                            |                          |                  |                  |                            |                          | NM               | NM               | NM                         | 0                        |
| 2/3/2016               |                  |                  |                            |                          |                  |                  |                            |                          | NM               | NM               | NM                         | 0                        |
| 3/3/2016               |                  |                  |                            |                          |                  |                  |                            |                          | NM               | NM               | NM                         | 0                        |
| 3/31/2016              |                  |                  |                            |                          |                  |                  |                            |                          | NM               | NM               | NM                         | 0                        |
| 5/3/2016               |                  |                  |                            |                          |                  |                  |                            |                          | NM               | NM               | NM                         | 0                        |
| 6/2/2016               |                  |                  |                            |                          |                  |                  |                            |                          | 7.26             | ND               | 0                          | 0                        |
| 7/8/2016               |                  |                  |                            |                          |                  |                  |                            |                          | 7.39             | ND               | 0                          | 0                        |
| 8/3/2016               |                  |                  |                            |                          |                  |                  |                            |                          | 7.46             | ND               | 0                          | 0                        |
| 8/30/2016              |                  |                  |                            |                          |                  |                  |                            |                          | 7.58             | ND               | 0                          | 0                        |
| 9/30/2016              |                  |                  |                            |                          |                  |                  |                            |                          | 7.69             | ND               | 0                          | 0                        |
| 11/3/2016              |                  |                  |                            |                          |                  |                  |                            |                          | 7.77             | ND               | 0                          | 0                        |
| 11/30/2016             |                  |                  |                            |                          |                  |                  |                            |                          | 7.92             | ND               | 0                          | 0                        |
| 1/4/2017               |                  |                  |                            |                          |                  |                  |                            |                          | 8.07             | ND               | 0                          | 0                        |
| 2/7/2017               |                  |                  |                            |                          |                  |                  |                            |                          | 8.18             | ND               | 0                          | 0                        |
| 3/2/2017               |                  |                  |                            |                          |                  |                  |                            |                          | 8.02             | ND               | 0                          | 0                        |
| 4/3/2017               |                  |                  |                            |                          |                  |                  |                            |                          | 8.06             | ND               | 0                          | 0                        |
| 4/27/2017              |                  |                  |                            |                          |                  |                  |                            |                          | 8.01             | ND               | 0                          | 0                        |
| 5/29/2017              |                  |                  |                            |                          |                  |                  |                            |                          | 8.34             | ND               | 0                          | 0                        |
| 7/5/2017               |                  |                  |                            |                          |                  |                  |                            |                          | 8.41             | ND               | 0                          | 0                        |
| 8/1/2017               |                  |                  |                            |                          |                  |                  |                            |                          | 8.52             | ND               | 0                          | 0                        |
| 9/5/2017               |                  |                  |                            |                          |                  |                  |                            |                          | 8.46             | ND               | 0                          | 0                        |
| 10/4/2017              |                  |                  |                            |                          |                  |                  |                            |                          | 8.41             | ND               | 0                          | 0                        |
| 11/2/2017              |                  |                  |                            |                          |                  |                  |                            |                          | 8.52             | ND               | 0                          | 0                        |
| 11/29/2017             |                  |                  |                            |                          |                  |                  |                            |                          | 8.67             | ND               | 0                          | 0                        |
| 1/2/2018               |                  |                  |                            |                          |                  |                  |                            |                          | 8.91             | ND               | 0                          | 0                        |
| 2/7/2018               |                  |                  |                            |                          |                  |                  |                            |                          | 8.98             | ND               | 0                          | 0                        |
| 3/1/2018               |                  |                  |                            |                          |                  |                  |                            |                          | 9.22             | ND               | 0                          | 0                        |
| 4/2/2018               |                  |                  |                            |                          |                  |                  |                            |                          | 9.16             | ND               | 0                          | 0                        |
| 5/1/2018               |                  |                  |                            |                          |                  |                  |                            |                          | 9.34             | ND               | 0                          | 0                        |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-49A           |                  |                            |                          | MW-49B           |                  |                            |                          | MW-57A           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 6/1/2018               |                  |                  |                            |                          |                  |                  |                            |                          | 9.67             | ND               | 0                          | 0                        |
| 6/29/2018              |                  |                  |                            |                          |                  |                  |                            |                          | 9.87             | ND               | 0                          | 0                        |
| 8/3/2018               |                  |                  |                            |                          |                  |                  |                            |                          | 10.02            | ND               | 0                          | 0                        |
| 8/31/2018              |                  |                  |                            |                          |                  |                  |                            |                          | 9.91             | ND               | 0                          | 0                        |
| 9/28/2018              |                  |                  |                            |                          |                  |                  |                            |                          | 9.86             | ND               | 0                          | 0                        |
| 11/2/2018              |                  |                  |                            |                          |                  |                  |                            |                          | 9.77             | ND               | 0                          | 0                        |
| 11/29/2018             |                  |                  |                            |                          |                  |                  |                            |                          | 9.56             | ND               | 0                          | 0                        |
| 1/2/2019               |                  |                  |                            |                          |                  |                  |                            |                          | 9.52             | ND               | Trace                      | 0                        |
| 2/2/2019               |                  |                  |                            |                          |                  |                  |                            |                          | 9.41             | ND               | Trace                      | 0                        |
| 2/28/2019              |                  |                  |                            |                          |                  |                  |                            |                          | 9.32             | ND               | Trace                      | 0                        |
| 4/2/2019               |                  |                  |                            |                          |                  |                  |                            |                          | 9.27             | ND               | Trace                      | 0                        |
| 4/25/2019              |                  |                  |                            |                          |                  |                  |                            |                          | 9.16             | ND               | Trace                      | 0                        |
| 5/29/2019              |                  |                  |                            |                          |                  |                  |                            |                          | 9.06             | ND               | Trace                      | 0                        |
| 6/12/2019              |                  |                  |                            |                          |                  |                  |                            |                          | 9.39             | ND               | 0                          | 0                        |
| 6/30/2019              |                  |                  |                            |                          |                  |                  |                            |                          | 9.21             | ND               | 0                          | 0                        |
| 7/16/2019              |                  |                  |                            |                          | 12.02            | 34.62            | 0.24                       | --                       | 9.17             | ND               | 0                          | 0                        |
| 8/2/2019               |                  |                  |                            |                          |                  |                  |                            |                          | 9.22             | ND               | 0                          | 0                        |
| 8/15/2019              |                  |                  |                            |                          |                  |                  |                            |                          | 9.29             | ND               | 0                          | 0                        |
| 8/28/2019              |                  |                  |                            |                          |                  |                  |                            |                          | 9.33             | ND               | 0                          | 0                        |
| 9/17/2019              |                  |                  |                            |                          |                  |                  |                            |                          | 9.46             | ND               | 0                          | 0                        |
| 10/2/2019              |                  |                  |                            |                          |                  |                  |                            |                          | 9.74             | ND               | 0                          | 0                        |
| 10/16/2019             |                  |                  |                            |                          |                  |                  |                            |                          | 10.39            | ND               | 0                          | 0                        |
| 10/31/2019             |                  |                  |                            |                          |                  |                  |                            |                          | 11.92            | ND               | 0                          | 0                        |
| 11/15/2019             |                  |                  |                            |                          |                  |                  |                            |                          | 11.14            | ND               | 0                          | 0                        |
| 12/3/2019              |                  |                  |                            |                          |                  |                  |                            |                          | 13.75            | ND               | 0                          | 0                        |
| 12/18/2019             |                  |                  |                            |                          |                  |                  |                            |                          | 14.09            | ND               | 0                          | 0                        |
| 12/30/2019             |                  |                  |                            |                          |                  |                  |                            |                          | 14.42            | ND               | 0                          | 0                        |
| 1/7/2020               |                  |                  |                            |                          | 11.51            | 20.09            | 14.77                      | --                       | --               | --               | --                         | --                       |
| 1/15/2020              |                  |                  |                            |                          | 15.48            | 20.89            | 13.97                      | 2.5                      | 12.79            | ND               | 0                          | 0                        |
| 1/27/2020              |                  |                  |                            |                          | 14.2             | 22.4             | 12.46                      | 2                        | 11.61            | ND               | 0                          | 0                        |
| 2/13/2020              |                  |                  |                            |                          | 13.31            | 28.9             | 5.96                       | 1.5                      | 13.22            | ND               | 0                          | 0                        |
| 2/25/2020              |                  |                  |                            |                          | 11.51            | 26.8             | 8.06                       | 1.0                      | 12.31            | ND               | 0                          | 0                        |
| 3/13/2020              |                  |                  |                            |                          | 11.73            | 26.1             | 8.76                       | 0.5                      | 13.71            | ND               | 0                          | 0                        |
| 3/31/2020              |                  |                  |                            |                          | 13.72            | 29.39            | 5.47                       | 0.5                      | 13.85            | ND               | 0                          | 0                        |
| 4/9/2020               |                  |                  |                            |                          | 14.13            | 31.04            | 3.82                       | 0.5                      | 13.36            | ND               | 0                          | 0                        |
| 4/27/2020              |                  |                  |                            |                          | 15.31            | 32.05            | 2.81                       | 0.1                      | 14.45            | ND               | 0                          | 0                        |
| 5/14/2020              |                  |                  |                            |                          | 14.95            | 31.89            | 2.97                       | 0.1                      | 14.84            | ND               | 0                          | 0                        |
| 5/28/2020              |                  |                  |                            |                          | 13.66            | 31.07            | 3.79                       | 0.5                      | 13.91            | ND               | 0                          | 0                        |
| 6/11/2020              |                  |                  |                            |                          | 14.56            | 31.22            | 3.64                       | 0.3                      | 14.41            | ND               | 0                          | 0                        |
| 6/25/2020              |                  |                  |                            |                          | 10.65            | 31.64            | 3.22                       | 0.3                      | 14.08            | ND               | 0                          | 0                        |
| 7/9/2020               |                  |                  |                            |                          | 10.51            | 32.41            | 2.45                       | 0.5                      | 13.51            | ND               | 0                          | 0                        |
| 7/23/2020              |                  |                  |                            |                          | 13.51            | 31.13            | 3.73                       | 0.5                      | 13.26            | ND               | 0                          | 0                        |
| 8/6/2020               |                  |                  |                            |                          | 13.23            | 32.48            | 2.38                       | 0.3                      | 11.53            | ND               | 0                          | 0                        |
| 8/20/2020              |                  |                  |                            |                          | 12.11            | 32.08            | 2.78                       | 0.1                      | 13.11            | ND               | 0                          | 0                        |
| 9/2/2020               |                  |                  |                            |                          | 13.58            | 31.04            | 3.82                       | 0.8                      | 13.91            | ND               | 0                          | 0                        |
| 9/17/2020              |                  |                  |                            |                          | 15.91            | 30.24            | 4.62                       | 0.5                      | 14.43            | ND               | 0                          | 0                        |
| 10/1/2020              |                  |                  |                            |                          | 13.63            | 31.11            | 3.75                       | 0.8                      | 12.41            | ND               | 0                          | 0                        |
| 10/14/2020             |                  |                  |                            |                          | 12.18            | 29.6             | 5.26                       | 2.0                      | 13.74            | ND               | 0                          | 0                        |
| 10/28/2020             |                  |                  |                            |                          | 13.71            | 31.93            | 2.93                       | 1.0                      | 13.91            | ND               | 0                          | 0                        |
| 11/12/2020             |                  |                  |                            |                          | 12.74            | 32.03            | 2.83                       | 0.5                      | 14.64            | ND               | 0                          | 0                        |
| 11/23/2020             |                  |                  |                            |                          | 12.08            | 32.30            | 2.56                       | 0.3                      | 14.99            | ND               | 0                          | 0                        |
| 12/10/2020             |                  |                  |                            |                          | 8.66             | 31.21            | 3.65                       | 0.3                      | 12.31            | ND               | 0                          | 0                        |
| 12/21/2020             |                  |                  |                            |                          | 6.6              | 30.72            | 4.14                       | 0.5                      | 10.92            | ND               | 0                          | 0                        |
| 1/7/2021               |                  |                  |                            |                          | 6.41             | 32.25            | 2.61                       | 0.5                      | 12.51            | ND               | 0                          | 0                        |
| 1/21/2021              |                  |                  |                            |                          | 15.44            | 31.25            | 3.61                       | 0.5                      | 12.54            | ND               | 0                          | 0                        |
| 2/4/2021               |                  |                  |                            |                          | 15.81            | 31.54            | 3.32                       | 0.5                      | 13.15            | ND               | 0                          | 0                        |
| 2/23/2021              |                  |                  |                            |                          | 13.44            | 31.2             | 3.66                       | 0.5                      | 12.32            | ND               | 0                          | 0                        |
| 3/11/2021              |                  |                  |                            |                          | 11.91            | 31.96            | 2.9                        | 0.5                      | 13.13            | ND               | 0                          | 0                        |
| 3/25/2021              |                  |                  |                            |                          | 10.28            | 32.41            | 2.45                       | 0.5                      | 13.01            | ND               | 0                          | 0                        |
| 4/8/2021               |                  |                  |                            |                          | 10.79            | 31.79            | 3.07                       | 0.5                      | 13.71            | ND               | 0                          | 0                        |
| 4/22/2021              |                  |                  |                            |                          | 11.29            | 32.08            | 2.78                       | 0.5                      | 14.31            | ND               | 0                          | 0                        |
| 5/4/2021               |                  |                  |                            |                          | 7.94             | 32.4             | 2.46                       | 0.3                      | 13.03            | ND               | 0                          | 0                        |
| 5/20/2021              |                  |                  |                            |                          | 7.04             | 32.69            | 2.17                       | 0.5                      | 10.45            | ND               | 0                          | 0                        |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-49A           |                  |                            |                          | MW-49B           |                  |                            |                          | MW-57A           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 6/3/2021               |                  |                  |                            |                          | 4.81             | 32.6             | 2.26                       | 0.5                      | 11.15            | ND               | 0                          | 0                        |
| 6/17/2021              |                  |                  |                            |                          | 6.39             | 32.8             | 2.06                       | TR                       | 12.21            | ND               | 0                          | 0                        |
| 7/1/2021               |                  |                  |                            |                          | 4.51             | ND               | 0                          | 0                        | 10.38            | ND               | 0                          | 0                        |
| 7/19/2021              |                  |                  |                            |                          | 0.39             | ND               | 0                          | 0                        | 9.79             | ND               | 0                          | 0                        |
| 7/29/2021              |                  |                  |                            |                          | 12.91            | ND               | 0                          | 0                        | 12.51            | ND               | 0                          | 0                        |
| 8/12/2021              |                  |                  |                            |                          | 10.49            | 32.60            | 2.26                       | 0.1                      | 13.91            | ND               | 0                          | 0                        |
| 8/26/2021              |                  |                  |                            |                          | 9.87             | 31.90            | 2.96                       | 0.5                      | 14.11            | ND               | 0                          | 0                        |
| 9/10/2021              |                  |                  |                            |                          | 10.03            | 31.79            | 3.07                       | 0.2                      | 14.28            | ND               | 0                          | 0                        |
| 9/22/2021              |                  |                  |                            |                          | 7.50             | ND               | 0                          | 0                        | 13.21            | ND               | 0                          | 0                        |
| 10/8/2021              |                  |                  |                            |                          | 7.56             | ND               | 0                          | 0                        | 12.05            | ND               | 0                          | 0                        |
| 10/20/2021             |                  |                  |                            |                          | 7.8              | 30.94            | 1.82                       | 0.1                      | 13.80            | ND               | 0                          | 0                        |
| 11/4/2021              |                  |                  |                            |                          | 7.63             | ND               | 0                          | 0                        | 12.45            | ND               | 0                          | 0                        |
| 11/18/2021             |                  |                  |                            |                          | 8.00             | ND               | 0                          | 0                        | 13.37            | ND               | 0                          | 0                        |
| 12/3/2021              |                  |                  |                            |                          | 8.25             | ND               | 0                          | 0                        | 13.81            | ND               | 0                          | 0                        |
| 12/16/2021             |                  |                  |                            |                          | 8.52             | ND               | 0                          | 0                        | 13.69            | ND               | 0                          | 0                        |
| 12/30/2021             |                  |                  |                            |                          | 7.81             | ND               | 0                          | 0                        | 13.36            | ND               | 0                          | 0                        |
| 1/14/2022              |                  |                  |                            |                          | 7.92             | ND               | 0                          | 0                        | 13.43            | ND               | 0                          | 0                        |
| 1/26/2022              |                  |                  |                            |                          | 7.91             | ND               | 0                          | 0                        | 13.56            | ND               | 0                          | 0                        |
| 2/10/2022              |                  |                  |                            |                          | 11.38            | 30               | 2.76                       | 0.3                      | 12.71            | ND               | 0                          | 0                        |
| 2/24/2022              |                  |                  |                            |                          | 12.6             | ND               | 0                          | 0                        | 13.68            | ND               | 0                          | 0                        |
| 3/10/2022              |                  |                  |                            |                          | 11.96            | ND               | 0                          | 0                        | 14.40            | ND               | 0                          | 0                        |
| 3/24/2022              |                  |                  |                            |                          | 12.20            | ND               | 0                          | 0                        | 12.56            | ND               | 0                          | 0                        |
| 4/7/2022               |                  |                  |                            |                          | 11.60            | ND               | 0                          | 0                        | 13.70            | ND               | 0                          | 0                        |
| 4/18/2022              |                  |                  |                            |                          | 11.32            | ND               | 0                          | 0                        | 13.81            | ND               | 0                          | 0                        |
| 5/2/2022               |                  |                  |                            |                          | 11.08            | ND               | 0                          | 0                        | 13.99            | ND               | 0                          | 0                        |
| 5/20/2022              |                  |                  |                            |                          | 11.17            | ND               | 0                          | 0                        | 13.46            | ND               | 0                          | 0                        |
| 6/2/2022               |                  |                  |                            |                          | 11.12            | ND               | 0                          | 0                        | 13.34            | ND               | 0                          | 0                        |
| 6/16/2022              |                  |                  |                            |                          | 10.97            | ND               | 0                          | 0                        | 15.03            | ND               | 0                          | 0                        |
| 6/30/2022              |                  |                  |                            |                          | 11.16            | ND               | 0                          | 0                        | 15.48            | ND               | 0                          | 0                        |
| 7/15/2022              |                  |                  |                            |                          | 8.73             | ND               | 0                          | 0                        | 13.96            | ND               | 0                          | 0                        |
| 7/28/2022              |                  |                  |                            |                          | 8.84             | ND               | 0                          | 0                        | 14.06            | ND               | 0                          | 0                        |
| 8/12/2022              |                  |                  |                            |                          | 11.11            | ND               | 0                          | 0                        | 13.50            | ND               | 0                          | 0                        |
| 8/29/2022              |                  |                  |                            |                          | 11.39            | ND               | NM                         | 2                        | 13.56            | ND               | 0                          | 0                        |
| 9/16/2022              |                  |                  |                            |                          | 9.60             | 24.00            | 11.50                      | 2.5                      | 13.85            | ND               | 0                          | 0                        |
| 9/30/2022              |                  |                  |                            |                          | 10.80            | 20.00            | 15.50                      | 3.5                      | 14.80            | ND               | 0                          | 0                        |
| 10/17/2022             |                  |                  |                            |                          | 11.85            | 19.35            | 9.15                       | 2.5                      | 15.41            | ND               | 0                          | 0                        |
| 10/27/2022             |                  |                  |                            |                          | 12.06            | 19.47            | 9.03                       | 2.5                      | 15.79            | ND               | 0                          | 0                        |
| 11/10/2022             |                  |                  |                            |                          | 11.77            | 19.62            | 8.88                       | 2.5                      | 15.61            | ND               | 0                          | 0                        |
| 11/30/2022             |                  |                  |                            |                          | 7.52             | 19.86            | 8.64                       | 2.5                      | 12.29            | ND               | 0                          | 0                        |
| 12/16/2022             |                  |                  |                            |                          | 7.46             | 19.98            | 8.52                       | 2.5                      | 12.17            | ND               | 0                          | 0                        |
| 12/27/2022             |                  |                  |                            |                          | 7.74             | 19.62            | 8.88                       | 2.5                      | 12.46            | ND               | 0                          | 0                        |
| 1/13/2023              |                  |                  |                            |                          | 8.06             | 19.56            | 8.94                       | 2.5                      | 12.77            | ND               | 0                          | 0                        |
| 1/27/2023              |                  |                  |                            |                          | 7.6              | ND               | Trace                      | 0                        | 11.92            | ND               | 0                          | 0                        |
| 2/9/2023               |                  |                  |                            |                          | 9.4              | 24.80            | 3.70                       | 0.5                      | 12.5             | ND               | 0                          | 0                        |
| 2/23/2023              |                  |                  |                            |                          | 10.33            | 26.37            | 2.13                       | 1.0                      | 13.98            | ND               | 0                          | 0                        |
| 3/9/2023               |                  |                  |                            |                          | 10.21            | 26.22            | 2.28                       | 1.0                      | 13.91            | ND               | 0                          | 0                        |
| 3/23/2023              |                  |                  |                            |                          | 10.06            | 25.00            | 3.50                       | 1.0                      | 13.78            | ND               | 0                          | 0                        |
| 4/6/2023               |                  |                  |                            |                          | 10.71            | 16.94            | 11.56                      | 2.0                      | 13.77            | ND               | 0                          | 0                        |
| 4/19/2023              |                  |                  |                            |                          | 7.55             | 19.64            | 8.86                       | 2.0                      | 13.09            | ND               | 0                          | 0                        |
| 5/5/2023               |                  |                  |                            |                          | 9.48             | 22.79            | 5.71                       | 1.5                      | 13.61            | ND               | 0                          | 0                        |
| 5/18/2023              |                  |                  |                            |                          | 4.90             | 20.82            | 7.68                       | 2.0                      | 10.28            | ND               | 0                          | 0                        |
| 6/1/2023               | 9.25             | 28.40            | 1.53                       | 0                        | 8.65             | 25.70            | 2.60                       | 1.25                     | 13.05            | ND               | 0                          | 0                        |
| 6/15/2023              | 9.27             | 27.22            | 2.70                       | 1.00                     | 7.88             | 24.15            | 4.15                       | 0.75                     | 13.11            | ND               | 0                          | 0                        |
| 6/29/2023              | 9.63             | 28.39            | 0.50                       | 0.10                     | 9.00             | 24.45            | 3.75                       | 1.00                     | 13.81            | ND               | 0                          | 0                        |
| 7/13/2023              | 9.55             | PoP              | Trace                      | 0                        | 7.85             | 24.14            | 4.21                       | 1.00                     | 13.54            | ND               | 0                          | 0                        |
| 7/27/2023              | 10.45            | PoP              | Trace                      | 0                        | 10.80            | 21.60            | 6.55                       | 0.00                     | 14.80            | ND               | 0                          | 0                        |
| 8/10/2023              | 10.78            | PoP              | Trace                      | 0                        | 10.43            | 23.35            | 4.80                       | 0.90                     | 15.42            | ND               | 0                          | 0                        |
| 8/24/2023              | 11.94            | PoP              | Trace                      | 0                        | 11.27            | 24.68            | 3.37                       | 0.90                     | 12.55            | ND               | 0                          | 0                        |
| 9/7/2023               | 12.02            | PoP              | Trace                      | 0                        | 11.22            | 24.70            | 3.33                       | 0.90                     | 12.67            | ND               | 0                          | 0                        |
| 9/21/2023              | 10.83            | PoP              | Trace                      | 0                        | 10.51            | 25.75            | 2.65                       | 0.60                     | 15.53            | ND               | 0                          | 0                        |
| 10/5/2023              | 6.65             | PoP              | Trace                      | 0                        | 8.05             | 22.20            | 6.30                       | 0.75                     | 15.60            | PoP              | Trace                      | 0                        |
| 10/19/2023             | 10.68            | PoP              | Trace                      | 0                        | 10.00            | 25.85            | 2.50                       | 0.50                     | 15.30            | ND               | 0                          | 0                        |
| 11/2/2023              | 10.66            | PoP              | Trace                      | 0                        | 10.00            | 26.35            | 2.00                       | 0.70                     | 15.50            | ND               | 0                          | 0                        |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date              | MW-49A           |                  |                            |                          | MW-49B           |                  |                            |                          | MW-57A           |                  |                            |                          |
|-------------------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                                     | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 11/16/2023                          | 9.53             | PoP              | Trace                      | 0                        | --               | --               | --                         | --                       | 14.00            | ND               | 0                          | 0                        |
| 11/30/2023                          | 10.78            | PoP              | Trace                      | 0                        | --               | --               | --                         | --                       | 15.03            | ND               | 0                          | 0                        |
| 12/14/2023                          | 11.50            | PoP              | Trace                      | 0                        | --               | --               | --                         | --                       | 15.16            | ND               | 0                          | 0                        |
| 12/27/2023                          | 10.77            | PoP              | Trace                      | 0                        | --               | --               | --                         | --                       | 13.92            | ND               | 0                          | 0                        |
| 1/11/2024                           | 10.56            | ND               | 0                          | 0                        | --               | --               | --                         | --                       | 12.71            | ND               | 0                          | 0                        |
| 1/25/2024                           | 7.50             | ND               | 0                          | 0                        | --               | --               | --                         | --                       | 10.62            | ND               | 0                          | 0                        |
| 2/9/2024                            | 11.97            | PoP              | Trace                      | 0                        | --               | --               | --                         | --                       | 12.73            | ND               | 0                          | 0                        |
| 2/22/2024                           | 11.61            | ND               | 0                          | 0                        | --               | --               | --                         | --                       | 14.05            | ND               | 0                          | 0                        |
| 3/7/2024                            | 11.90            | PoP              | Trace                      | 0                        | --               | --               | --                         | --                       | 14.81            | ND               | 0                          | 0                        |
| 3/22/2024                           | 9.05             | 28.95            | 1.00                       | 0.5                      | --               | --               | --                         | --                       | 15.08            | PoP              | Trace                      | 0                        |
| 4/18/2024                           | 12.00            | ND               | 0                          | 0                        | --               | --               | --                         | --                       | 14.61            | ND               | 0                          | 0                        |
| 5/2/2024                            | 10.82            | PoP              | Trace                      | 0                        | --               | --               | --                         | --                       | 12.82            | ND               | 0                          | 0                        |
| 5/17/2024                           | 10.95            | PoP              | Trace                      | 0                        | --               | --               | --                         | --                       | 15.20            | ND               | 0                          | 0                        |
| 5/30/2024                           | 11.10            | PoP              | Trace                      | 0                        | --               | --               | --                         | --                       | 12.15            | ND               | 0                          | 0                        |
| 6/13/2024                           | 11.41            | ND               | 0                          | 0                        | --               | --               | --                         | --                       | 13.57            | ND               | 0                          | 0                        |
| 6/27/2024                           | 11.84            | ND               | 0                          | 0                        | --               | --               | --                         | --                       | 14.04            | ND               | 0                          | 0                        |
| 7/11/2024                           | 10.10            | ND               | 0                          | 0                        | --               | --               | --                         | --                       | 10.28            | ND               | 0                          | 0                        |
| 7/25/2024                           | 8.06             | PoP              | Trace                      | 0                        | --               | --               | --                         | --                       | 10.95            | ND               | 0                          | 0                        |
| 8/8/2024                            | 10.55            | ND               | 0                          | 0                        | --               | --               | --                         | --                       | 12.25            | ND               | 0                          | 0                        |
| 9/5/2024                            | 10.90            | PoP              | Trace                      | 0                        | --               | --               | --                         | --                       | 13.69            | ND               | 0                          | 0                        |
| 9/19/2024                           | 11.12            | ND               | 0                          | 0                        | --               | --               | --                         | --                       | 14.19            | ND               | 0                          | 0                        |
| <b>Total DNAPL<br/>Pumped (gal)</b> | <b>1.6</b>       |                  |                            |                          | <b>69.7</b>      |                  |                            |                          | <b>15.5</b>      |                  |                            |                          |

## Notes:

\* - indicates DNAPL and groundwater mixture

--- - No DNAPL pumped

DTW - Depth to water (feet Below Top of Casing (BTOC))

DTD - Depth to DNAPL (feet BTOC)

ND - Not detected

NM - Not measured

PoP - Product on probe, no

TR- Trace amount of DNA

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-57B           |                  |                            |                          | MW-68B           |                  |                            |                          | MW-70B           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 2/14/2013              | 28.56            | 41.41            | 1.54                       | 0.3                      |                  |                  |                            |                          | 6.57             | 34.09            | 1.61                       | 0.3                      |
| 4/3/2013               | 28.09            | 42.36            | 0.59                       | 0.3*                     |                  |                  |                            |                          | 6.79             | 35.26            | 0.44                       | 0.3                      |
| 4/22/2013              | 27.06            | 42.17            | 0.78                       | 0.3                      |                  |                  |                            |                          | 6.06             | 35.12            | 0.58                       | 0.3                      |
| 5/30/2013              | 27.13            | 41.63            | 1.32                       | 0.3                      |                  |                  |                            |                          | 6.19             | 34.67            | 1.03                       | 0.3                      |
| 6/29/2013              | 18.26            | 42.07            | 0.88                       | 0.3                      |                  |                  |                            |                          | 8.01             | 34.92            | 0.78                       | 0.3*                     |
| 7/22/2013              | 16.34            | 41.67            | 1.28                       | 0.8                      |                  |                  |                            |                          | 8.22             | 34.07            | 1.63                       | 0.3*                     |
| 8/26/2013              | 18.01            | 42.31            | 0.64                       | 0.3                      |                  |                  |                            |                          | 8.17             | 35.09            | 0.61                       | 0.3                      |
| 9/27/2013              | 17.74            | 42.51            | 0.39                       | 0.3                      |                  |                  |                            |                          | 8.32             | 35.34            | 0.36                       | 0.3                      |
| 10/31/2013             | 17.61            | 42.61            | 0.29                       | 0.1                      |                  |                  |                            |                          | 8.26             | 35.39            | 0.31                       | 0.1                      |
| 11/27/2013             | 17.54            | 42.67            | 0.23                       | 0.1                      |                  |                  |                            |                          | 8.12             | 35.42            | 0.28                       | 0.1                      |
| 12/31/2013             | 17.36            | 42.74            | 0.16                       | 0.1                      |                  |                  |                            |                          | 7.89             | 35.51            | 0.19                       | 0.1                      |
| 1/30/2014              | 17.04            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 7.84             | 35.06            | 0.64                       | 0.1                      |
| 3/3/2014               | 16.51            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 7.09             | 35.05            | 0.65                       | 0.1                      |
| 3/31/2014              | 16.41            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.87             | 35.17            | 0.53                       | 0.1                      |
| 4/30/2014              | 16.29            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.72             | 35.01            | 0.69                       | 0.1                      |
| 5/27/2014              | 16.13            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.64             | 34.86            | 0.84                       | 0.1                      |
| 6/26/2014              | 16.02            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.52             | 34.97            | 0.73                       | 0.3                      |
| 7/31/2014              | 15.84            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.26             | 34.76            | 0.94                       | 0.3                      |
| 8/27/2014              | 15.71            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.84             | 34.86            | 0.84                       | 0.3                      |
| 10/3/2014              | 15.61            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.71             | 34.61            | 1.09                       | 0.3                      |
| 11/3/2014              | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 6.79             | 34.79            | 0.91                       | 0.3                      |
| 11/24/2014             | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 6.77             | 34.93            | 0.77                       | 0.3                      |
| 12/22/2014             | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 6.69             | 34.86            | 0.84                       | 0.3                      |
| 1/29/2015              | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 6.48             | 34.92            | 0.78                       | 0.3                      |
| 2/26/2015              | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 6.39             | 34.81            | 0.89                       | 0.5                      |
| 3/26/2015              | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 6.27             | 34.91            | 0.79                       | 0.3                      |
| 4/27/2015              | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 6.19             | 34.99            | 0.71                       | 0.3                      |
| 5/26/2015              | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 6.07             | 35.11            | 0.59                       | 0.5                      |
| 7/6/2015               | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 5.03             | 35.32            | 0.38                       | 0.3                      |
| 8/3/2015               | 12.32            | ND               | PoP                        | 0                        |                  |                  |                            |                          | 5.12             | 35.37            | 0.33                       | TR*                      |
| 8/27/2015              | 13.04            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.31             | 35.41            | 0.29                       | TR*                      |
| 10/5/2015              | 12.62            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.72             | 35.47            | 0.23                       | 0.3                      |
| 11/5/2015              | 12.27            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.41             | 35.42            | 0.28                       | 0.3                      |
| 12/3/2015              | 12.02            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.13             | 35.63            | 0.07                       | 0.3                      |
| 12/28/2015             | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 5.02             | 35.26            | 0.44                       | 0.3                      |
| 2/3/2016               | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 4.86             | 35.21            | 0.49                       | 0.3                      |
| 3/3/2016               | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 4.92             | 35.17            | 0.53                       | 0.3                      |
| 3/31/2016              | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 4.91             | 35.24            | 0.46                       | 0.3                      |
| 5/3/2016               | NM               | NM               | NM                         | 0                        |                  |                  |                            |                          | 5.13             | 35.29            | 0.36                       | 0.3                      |
| 6/2/2016               | 12.32            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.26             | 35.36            | 0.29                       | 0.3                      |
| 7/8/2016               | 12.44            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.34             | 35.31            | 0.34                       | 0.3                      |
| 8/3/2016               | 12.52            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.42             | 35.39            | 0.26                       | 0.3                      |
| 8/30/2016              | 12.67            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.61             | 35.21            | 0.44                       | 0.3                      |
| 9/30/2016              | 12.81            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.74             | 35.03            | 0.62                       | 0.3                      |
| 11/3/2016              | 12.92            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.79             | 35.11            | 0.54                       | 0.3                      |
| 11/30/2016             | 13.16            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.03             | 35.23            | 0.42                       | 0.3                      |
| 1/4/2017               | 13.24            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.17             | 35.09            | 0.56                       | 0.5                      |
| 2/7/2017               | 13.29            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.26             | 35.01            | 0.64                       | 0.5                      |
| 3/2/2017               | 13.17            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.16             | 35.09            | 0.56                       | 0.5                      |
| 4/3/2017               | 13.04            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.09             | 35.13            | 0.52                       | 0.5                      |
| 4/27/2017              | 13.14            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.12             | 35.2             | 0.45                       | 0.5                      |
| 5/29/2017              | 13.41            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.29             | 35.06            | 0.59                       | 0.5                      |
| 7/5/2017               | 13.57            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.39             | 35.14            | 0.51                       | 0.3                      |
| 8/1/2017               | 13.69            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.47             | 35.21            | 0.44                       | 0.3                      |
| 9/5/2017               | 13.79            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.56             | 35.34            | 0.31                       | 0.3                      |
| 10/4/2017              | 13.71            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.63             | 35.39            | 0.26                       | 0.3                      |
| 11/2/2017              | 13.91            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.74             | 35.31            | 0.34                       | 0.3                      |
| 11/29/2017             | 14.02            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.79             | 35.29            | 0.36                       | 0.3                      |
| 1/2/2018               | 13.06            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.34             | 35.34            | 0.31                       | 0.3                      |
| 2/7/2018               | 12.42            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.42             | 35.31            | 0.34                       | 0.3                      |
| 3/1/2018               | 12.58            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.67             | 35.21            | 0.44                       | 0.5                      |
| 4/2/2018               | 12.46            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.61             | 35.16            | 0.49                       | 0.5                      |
| 5/1/2018               | 13.04            | ND               | 0                          | 0                        |                  |                  |                            |                          | 7.22             | 35.23            | 0.42                       | 1.3                      |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-57B           |                  |                            |                          | MW-68B           |                  |                            |                          | MW-70B           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 6/1/2018               | 13.29            | ND               | 0                          | 0                        |                  |                  |                            |                          | 7.42             | 35.29            | 0.36                       | 1                        |
| 6/29/2018              | 13.47            | ND               | 0                          | 0                        |                  |                  |                            |                          | 7.58             | 35.21            | 0.44                       | 1                        |
| 8/3/2018               | 13.61            | ND               | 0                          | 0                        |                  |                  |                            |                          | 7.69             | 35.29            | 0.36                       | 0.8                      |
| 8/31/2018              | 13.47            | ND               | 0                          | 0                        |                  |                  |                            |                          | 7.42             | 35.36            | 0.29                       | 0.5                      |
| 9/28/2018              | 13.36            | ND               | 0                          | 0                        |                  |                  |                            |                          | 7.33             | 35.28            | 0.37                       | 0.5                      |
| 11/2/2018              | 13.21            | ND               | 0                          | 0                        |                  |                  |                            |                          | 7.22             | 35.24            | 0.41                       | 0.8                      |
| 11/29/2018             | 13.01            | ND               | 0                          | 0                        |                  |                  |                            |                          | 7.06             | 35.21            | 0.44                       | 0.5                      |
| 1/2/2019               | 13.03            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.96             | 35.31            | 0.34                       | 0.5                      |
| 2/2/2019               | 12.91            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.87             | 35.36            | 0.29                       | 0.5                      |
| 2/28/2019              | 12.83            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.74             | 35.29            | 0.36                       | 0.5                      |
| 4/2/2019               | 12.76            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.67             | 35.27            | 0.38                       | 0.5                      |
| 4/25/2019              | 12.71            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.74             | 35.21            | 0.44                       | 0.5                      |
| 5/29/2019              | 12.70            | ND               | Trace                      | 0                        |                  |                  |                            |                          | 6.71             | 35.17            | 0.48                       | 0.5                      |
| 6/12/2019              | 12.93            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.43             | 34.84            | 0.81                       | 1                        |
| 6/30/2019              | 12.86            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.48             | 34.61            | 1.04                       | 1                        |
| 7/16/2019              | 12.79            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.43             | 34.49            | 1.16                       | 1.5                      |
| 8/2/2019               | 12.84            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.48             | 34.31            | 1.34                       | 1.5                      |
| 8/15/2019              | 12.92            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.51             | 34.07            | 1.58                       | 2                        |
| 8/28/2019              | 12.96            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.57             | 34.09            | 1.56                       | 2                        |
| 9/17/2019              | 12.86            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.51             | 34.01            | 1.64                       | 2                        |
| 10/2/2019              | 12.83            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.46             | 33.71            | 1.94                       | 2.5                      |
| 10/16/2019             | 13.67            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.42             | ND               | 0                          | 0                        |
| 10/31/2019             | 14.21            | ND               | 0                          | 0                        |                  |                  |                            |                          | 6.43             | ND               | Trace                      | 0                        |
| 11/15/2019             | 6.21             | ND               | 0                          | 0                        |                  |                  |                            |                          | 4.75             | ND               | 0                          | 0                        |
| 12/3/2019              | 13.51            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.01             | ND               | 0                          | 0                        |
| 12/18/2019             | 13.51            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.53             | 35               | 0.65                       | 0.3                      |
| 12/30/2019             | 13.51            | ND               | 0                          | 0                        |                  |                  |                            |                          | 5.71             | 32.4             | 3.25                       | 0.1                      |
| 1/7/2020               | --               | --               | --                         | --                       | 4.82             | 34.21            | 3.59                       | --                       | --               | --               | --                         | --                       |
| 1/15/2020              | 21.93            | ND               | 0                          | 0                        | 4.82             | 34.41            | 3.39                       | 0.5                      | 7.19             | 32.51            | 3.14                       | 0.1                      |
| 1/27/2020              | 19.96            | ND               | 0                          | 0                        | 2.15             | 35.9             | 1.9                        | 0.5                      | 9.9              | 31.3             | 4.35                       | 0.1                      |
| 2/13/2020              | 17.91            | ND               | 0                          | 0                        | 3.49             | 35.02            | 2.78                       | 0.5                      | 5.99             | 31.43            | 4.22                       | 0.1                      |
| 2/25/2020              | 16.86            | ND               | 0                          | 0                        | 2.35             | 36.12            | 1.68                       | 0.3                      | 4.71             | 31.81            | 3.84                       | 0.3                      |
| 3/13/2020              | 15.91            | ND               | 0                          | 0                        | 3.99             | 35.6             | 2.2                        | 0.1                      | 4.63             | 30.5             | 5.15                       | 0.3                      |
| 3/31/2020              | 15.37            | ND               | 0                          | 0                        | 4.46             | 36.9             | 0.9                        | 0.0                      | 6.04             | 31.34            | 4.31                       | 0.5                      |
| 4/9/2020               | 15.19            | ND               | 0                          | 0                        | 4.41             | 35.99            | 1.81                       | 0.1                      | 6.79             | 31.53            | 4.12                       | 0.5                      |
| 4/27/2020              | 14.99            | ND               | 0                          | 0                        | 5.53             | 36.1             | 1.7                        | 0.1                      | 6.81             | 30.84            | 4.81                       | 1.0                      |
| 5/14/2020              | 14.95            | ND               | 0                          | 0                        | 6.39             | 37.01            | 0.79                       | 0                        | 7.26             | 30.63            | 5.02                       | 1.0                      |
| 5/28/2020              | 14.92            | ND               | 0                          | 0                        | 5.99             | 37.09            | 0.71                       | TR                       | 7.02             | 30.74            | 4.91                       | 1.5                      |
| 6/11/2020              | 14.89            | ND               | 0                          | 0                        | 6.49             | 36.8             | 1                          | TR                       | 7.53             | 31.2             | 4.45                       | 0.5                      |
| 6/25/2020              | 14.28            | ND               | 0                          | 0                        | 6.09             | 36.94            | 0.86                       | TR                       | 7.08             | 32.12            | 3.53                       | 0.5                      |
| 7/9/2020               | 14.67            | ND               | 0                          | 0                        | 5.06             | 37.37            | 0.43                       | 0.3                      | 5.61             | 32               | 3.65                       | 0.5                      |
| 7/23/2020              | 17.09            | ND               | 0                          | 0                        | 5.31             | 37.47            | 0.33                       | TR                       | 6.33             | 32.2             | 3.45                       | 1.0                      |
| 8/6/2020               | 16.20            | ND               | 0                          | 0                        | 3.02             | 37.38            | 0.42                       | TR                       | 6.15             | 33.12            | 2.53                       | 1.3                      |
| 8/20/2020              | 15.47            | ND               | 0                          | 0                        | 5.11             | 37.26            | 0.54                       | TR                       | 5.74             | 33.2             | 2.45                       | 1.0                      |
| 9/2/2020               | 15.01            | ND               | 0                          | 0                        | 5.96             | 37.4             | 0.4                        | TR                       | 6.74             | 34.39            | 1.26                       | 0.1                      |
| 9/17/2020              | 14.71            | ND               | 0                          | 0                        | 6.6              | 37.32            | 0.48                       | 0.1                      | 6.92             | 34.99            | 0.66                       | 0.1                      |
| 10/1/2020              | 14.44            | ND               | 0                          | 0                        | 3.81             | 37.39            | 0.41                       | 0.1                      | 5.52             | 34.88            | 0.77                       | 0.3                      |
| 10/14/2020             | 14.08            | ND               | 0                          | 0                        | 5.11             | 36.81            | 0.99                       | 0.3                      | 5.63             | 34.49            | 1.16                       | 0.3                      |
| 10/28/2020             | 13.87            | ND               | 0                          | 0                        | 5.26             | 36.52            | 1.28                       | 0.3                      | 4.8              | 34.71            | 0.94                       | 0.3                      |
| 11/12/2020             | 13.81            | ND               | 0                          | 0                        | 6.13             | 36.82            | 0.98                       | 0.3                      | 6.38             | 34.21            | 1.44                       | 0.5                      |
| 11/23/2020             | 13.21            | ND               | 0                          | 0                        | 6.54             | 37.2             | 0.6                        | 0.3                      | 7.51             | 35.19            | 0.46                       | 0.3                      |
| 12/10/2020             | 13.76            | ND               | 0                          | 0                        | 3.24             | 37.08            | 0.72                       | 0.0                      | 5.82             | 35.10            | 0.55                       | 0.1                      |
| 12/21/2020             | 13.56            | ND               | 0                          | 0                        | 1.22             | 37.01            | 0.79                       | 0.1                      | 5.55             | 34.48            | 1.17                       | 0.1                      |
| 1/7/2021               | 13.25            | ND               | 0                          | 0                        | 2.48             | ND               | 0                          | 0                        | 5.04             | 35               | 0.65                       | TR                       |
| 1/21/2021              | 20.69            | ND               | 0                          | 0                        | 2.99             | 37.37            | 0.43                       | TR                       | 4.72             | 35.02            | 0.63                       | TR                       |
| 2/4/2021               | 18.46            | ND               | 0                          | 0                        | 3.62             | 37.32            | 0.48                       | TR                       | 7.2              | 35.08            | 0.57                       | TR                       |
| 2/23/2021              | 16.49            | ND               | 0                          | 0                        | 2.51             | ND               | 0                          | 0                        | 5.33             | 34.2             | 1.45                       | 1.0                      |
| 3/11/2021              | 15.55            | ND               | 0                          | 0                        | 3.49             | ND               | 0                          | 0                        | 5.33             | 34.3             | 1.35                       | 0.8                      |
| 3/25/2021              | 15.06            | ND               | 0                          | 0                        | 3.34             | ND               | 0                          | 0                        | 5.78             | 34.93            | 0.72                       | 0.5                      |
| 4/8/2021               | 14.84            | ND               | 0                          | 0                        | 4.28             | ND               | 0                          | 0                        | 5.88             | 34.83            | 0.82                       | 0.5                      |
| 4/22/2021              | 14.65            | ND               | 0                          | 0                        | 4.96             | ND               | 0                          | 0                        | 5.99             | 34.56            | 1.09                       | 0.5                      |
| 5/4/2021               | 14.59            | ND               | 0                          | 0                        | 3.64             | 37.38            | 0.42                       | 0                        | 6.21             | 34.39            | 1.26                       | 0.5                      |
| 5/20/2021              | 14.61            | ND               | 0                          | 0                        | 0.99             | ND               | 0                          | 0                        | 5.89             | 35.09            | 0.56                       | 0.3                      |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-57B           |                  |                            |                          | MW-68B           |                  |                            |                          | MW-70B           |                  |                            |                          |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 6/3/2021               | 14.12            | ND               | 0                          | 0                        | 2.66             | ND               | 0                          | 0                        | 4.58             | 34.98            | 0.67                       | 0.3                      |
| 6/17/2021              | 13.84            | ND               | 0                          | 0                        | 3.51             | ND               | 0                          | 0                        | 4.78             | 35.16            | 0.49                       | 0.3                      |
| 7/1/2021               | 13.61            | ND               | 0                          | 0                        | 1.11             | 37.01            | 0.39                       | 0.1                      | 4.48             | 34.85            | 0.8                        | TR                       |
| 7/19/2021              | 13.22            | ND               | 0                          | 0                        | 1.06             | 37.21            | 0.19                       | TR                       | 3.78             | 34.9             | 0.75                       | TR                       |
| 7/29/2021              | 16.66            | ND               | 0                          | 0                        | 3.74             | 37.38            | 0.02                       | TR                       | 5.74             | 35.2             | 0.45                       | TR                       |
| 8/12/2021              | 15.32            | ND               | 0                          | 0                        | 5.21             | ND               | 0                          | 0                        | 5.71             | 35.12            | 0.53                       | TR                       |
| 8/26/2021              | 14.92            | ND               | 0                          | 0                        | 5.80             | ND               | 0                          | TR                       | 5.88             | 35.16            | 0.49                       | TR                       |
| 9/10/2021              | 14.61            | ND               | 0                          | 0                        | 5.08             | ND               | 0                          | 0                        | 6.41             | 35.18            | 0.47                       | 0.1                      |
| 9/22/2021              | 14.40            | ND               | 0                          | 0                        | 4.65             | ND               | 0                          | 0                        | 6.46             | ND               | 0                          | 0                        |
| 10/8/2021              | 14.10            | ND               | 0                          | 0                        | 3.14             | ND               | 0                          | 0                        | 5.12             | ND               | 0                          | 0                        |
| 10/20/2021             | 14.61            | ND               | 0                          | 0                        | 5.01             | ND               | 0                          | 0                        | 6.84             | 35.27            | 0.38                       | 0                        |
| 11/4/2021              | 13.59            | ND               | 0                          | 0                        | 3.38             | ND               | 0                          | 0                        | 5.10             | ND               | 0                          | 0                        |
| 11/18/2021             | 13.44            | ND               | 0                          | 0                        | 4.38             | ND               | 0                          | 0                        | 5.34             | ND               | 0                          | 0                        |
| 12/3/2021              | 13.40            | ND               | 0                          | 0                        | 4.38             | ND               | 0                          | 0                        | 5.58             | ND               | 0                          | 0                        |
| 12/16/2021             | 13.36            | ND               | 0                          | 0                        | 4.72             | ND               | 0                          | 0                        | 5.84             | ND               | 0                          | 0                        |
| 12/30/2021             | 13.41            | ND               | Trace                      | 0                        | 3.88             | ND               | 0                          | 0                        | 5.46             | ND               | Trace                      | 0                        |
| 1/4/2022               | 13.52            | ND               | Trace                      | 0                        | 3.92             | ND               | 0                          | 0                        | 5.56             | ND               | Trace                      | 0                        |
| 1/26/2022              | 13.44            | ND               | Trace                      | 0                        | 4.06             | ND               | 0                          | 0                        | 5.67             | ND               | Trace                      | 0                        |
| 2/10/2022              | 19.21            | ND               | 0                          | 0                        | 3.07             | ND               | 0                          | 0                        | 5.39             | ND               | 0                          | 0                        |
| 2/24/2022              | 17.65            | ND               | 0                          | 0                        | 4.08             | ND               | 0                          | 0                        | 5.52             | 34.7             | 0.6                        | 0.2                      |
| 3/10/2022              | 18.44            | ND               | 0                          | 0                        | 4.99             | ND               | 0                          | 0                        | 6.23             | ND               | 0                          | 0                        |
| 3/24/2022              | 16.06            | ND               | 0                          | 0                        | 2.91             | ND               | 0                          | 0                        | 6.24             | ND               | 0                          | 0                        |
| 4/7/2022               | 15.60            | ND               | 0                          | 0                        | 4.23             | ND               | 0                          | 0                        | 6.05             | ND               | 0                          | 0                        |
| 4/18/2022              | 15.39            | ND               | 0                          | 0                        | 4.46             | ND               | 0                          | 0                        | 6.29             | ND               | 0                          | 0                        |
| 5/2/2022               | 15.17            | ND               | 0                          | 0                        | 5.13             | ND               | 0                          | 0                        | 6.40             | ND               | Trace                      | 0                        |
| 5/20/2022              | 15.41            | ND               | 0                          | 0                        | 5.21             | ND               | 0                          | 0                        | 6.52             | ND               | 0                          | 0                        |
| 6/2/2022               | 15.34            | ND               | 0                          | 0                        | 5.39             | ND               | 0                          | 0                        | 6.43             | ND               | 0                          | 0                        |
| 6/16/2022              | 14.95            | ND               | Trace                      | 0                        | 5.27             | ND               | 0                          | 0                        | 8.80             | ND               | 0                          | 0                        |
| 6/30/2022              | 15.03            | ND               | Trace                      | 0                        | 5.35             | ND               | 0                          | 0                        | 8.96             | ND               | 0                          | 0                        |
| 7/15/2022              | 15.22            | ND               | Trace                      | 0                        | 6.79             | ND               | 0                          | 0                        | 7.34             | ND               | 0                          | 0                        |
| 7/28/2022              | 15.38            | ND               | Trace                      | 0                        | 6.91             | ND               | 0                          | 0                        | 7.41             | ND               | 0                          | 0                        |
| 8/12/2022              | 16.60            | ND               | Trace                      | 0                        | 6.54             | ND               | Trace                      | 0                        | 7.90             | ND               | 0                          | 0                        |
| 8/29/2022              | 15.61            | ND               | 0                          | 0                        | 4.35             | ND               | 0                          | 0                        | 6.26             | ND               | 0                          | 0                        |
| 9/16/2022              | 15.30            | ND               | 0                          | 0                        | 6.00             | 37.20            | 0.75                       | 0.25                     | 7.30             | 31.90            | 3.40                       | 0.25                     |
| 9/30/2022              | 15.00            | ND               | Trace                      | 0                        | 7.00             | ND               | Trace                      | 0                        | 7.40             | 32.00            | 3.30                       | 0.25                     |
| 10/17/2022             | 14.85            | ND               | Trace                      | 0                        | 7.83             | ND               | Trace                      | 0                        | 7.90             | 32.85            | 2.45                       | 0.10                     |
| 10/27/2022             | 14.93            | ND               | Trace                      | 0                        | 7.97             | ND               | Trace                      | 0                        | 8.27             | 32.97            | 2.33                       | 0.50                     |
| 11/10/2022             | 14.77            | ND               | Trace                      | 0                        | 7.72             | ND               | Trace                      | 0                        | 8.13             | 32.82            | 2.48                       | 0.50                     |
| 11/30/2022             | 11.23            | ND               | Trace                      | 0                        | 3.22             | ND               | Trace                      | 0                        | 3.29             | 33.63            | 1.67                       | 0.50                     |
| 12/16/2022             | 11.06            | ND               | Trace                      | 0                        | 3.34             | ND               | Trace                      | 0                        | 3.16             | 33.69            | 1.61                       | 0.50                     |
| 12/27/2022             | 11.49            | ND               | Trace                      | 0                        | 2.96             | ND               | Trace                      | 0                        | 2.87             | 33.52            | 1.78                       | 0.50                     |
| 1/13/2023              | 12.46            | ND               | Trace                      | 0                        | 2.09             | ND               | Trace                      | 0                        | 2.61             | 33.62            | 1.68                       | 0.50                     |
| 1/27/2023              | 18.73            | 42.11            | 0.71                       | 0                        | 2.21             | ND               | Trace                      | 0                        | 5.29             | 34.48            | 0.82                       | 0.50                     |
| 2/9/2023               | 17.23            | ND               | Trace                      | 0                        | 3.00             | ND               | Trace                      | 0                        | 5.74             | ND               | Trace                      | 0                        |
| 2/23/2023              | 16.19            | ND               | 0                          | 0                        | 3.96             | ND               | 0                          | 0                        | 5.78             | 34.60            | 0.70                       | 0.25                     |
| 3/9/2023               | 16.06            | ND               | 0                          | 0                        | 3.74             | ND               | 0                          | 0                        | 5.56             | 34.29            | 1.01                       | 0.50                     |
| 3/23/2023              | 15.23            | PoP              | Trace                      | 0                        | 4.56             | PoP              | Trace                      | 0                        | 6.28             | ND               | Trace                      | 0                        |
| 4/6/2023               | 16.13            | ND               | 0                          | 0                        | 3.96             | ND               | 0                          | 0                        | 5.69             | 34.62            | 0.68                       | 0.50                     |
| 4/19/2023              | 14.87            | ND               | 0                          | 0                        | 4.19             | PoP              | Trace                      | 0                        | 5.99             | ND               | Trace                      | 0.00                     |
| 5/5/2023               | 15.96            | ND               | 0                          | 0                        | 3.72             | ND               | 0                          | 0                        | 5.79             | 34.69            | 0.61                       | 0.50                     |
| 5/18/2023              | 14.23            | ND               | 0                          | 0                        | 1.60             | ND               | 0                          | 0                        | 4.40             | 32.92            | 2.38                       | 0                        |
| 6/1/2023               | 13.86            | PoP              | Trace                      | 0                        | 4.38             | PoP              | Trace                      | 0                        | 5.64             | ND               | Trace                      | 0                        |
| 6/15/2023              | 13.75            | PoP              | Trace                      | 0                        | 4.80             | ND               | 0.00                       | 0                        | 5.63             | 32.85            | 2.40                       | 1.10                     |
| 6/29/2023              | 13.74            | PoP              | Trace                      | 0                        | 5.84             | PoP              | Trace                      | 0                        | 6.57             | ND               | Trace                      | 0.10                     |
| 7/13/2023              | 13.79            | PoP              | Trace                      | 0                        | 5.90             | PoP              | Trace                      | 0                        | 6.58             | ND               | Trace                      | 0                        |
| 7/27/2023              | 16.57            | PoP              | Trace                      | 0                        | 7.15             | PoP              | Trace                      | 0                        | 8.10             | 34.55            | 0.75                       | Trace                    |
| 8/10/2023              | 16.08            | PoP              | Trace                      | 0                        | 7.90             | PoP              | Trace                      | 0                        | 7.75             | ND               | Trace                      | 0                        |
| 8/24/2023              | 16.70            | PoP              | Trace                      | 0                        | 8.55             | PoP              | Trace                      | 0                        | 8.28             | ND               | Trace                      | 0                        |
| 9/7/2023               | 16.74            | PoP              | Trace                      | 0                        | 8.63             | PoP              | Trace                      | 0                        | 8.66             | ND               | Trace                      | 0                        |
| 9/21/2023              | 15.70            | PoP              | Trace                      | 0                        | 8.70             | PoP              | Trace                      | 0                        | 8.50             | ND               | Trace                      | 0                        |
| 10/5/2023              | 12.60            | PoP              | Trace                      | 0                        | 5.50             | PoP              | Trace                      | 0                        | 8.50             | ND               | Trace                      | 0                        |
| 10/19/2023             | 15.45            | PoP              | Trace                      | 0                        | 7.00             | PoP              | Trace                      | 0                        | 7.36             | 33.60            | 1.70                       | 0.30                     |
| 11/2/2023              | 15.25            | PoP              | Trace                      | 0                        | 7.20             | PoP              | Trace                      | 0                        | 7.73             | PoP              | Trace                      | 0                        |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date              | MW-57B           |                  |                            |                          | MW-68B           |                  |                            |                          | MW-70B           |                  |                            |                          |
|-------------------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|
|                                     | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |
| 11/16/2023                          | 15.18            | ND               | 0                          | 0                        | 5.57             | ND               | 0                          | 0                        | 7.60             | 34.40            | 1.00                       | 0.25                     |
| 11/30/2023                          | 15.56            | ND               | 0                          | 0                        | 6.75             | ND               | 0                          | 0                        | 11.50            | 35.70            | 0.75                       | 0.05                     |
| 12/14/2023                          | 14.93            | PoP              | Trace                      | 0                        | 6.30             | ND               | 0                          | 0                        | 7.15             | 34.60            | 0.80                       | Trace                    |
| 12/27/2023                          | 14.83            | PoP              | Trace                      | 0                        | 5.11             | PoP              | Trace                      | 0                        | 6.50             | 34.50            | 1.00                       | 0.10                     |
| 1/11/2024                           | 14.60            | PoP              | Trace                      | 0                        | 3.00             | Pop              | Trace                      | 0                        | 5.80             | PoP              | Trace                      | 0                        |
| 1/25/2024                           | 17.20            | PoP              | Trace                      | 0                        | 0.50             | ND               | 0                          | 0                        | 8.34             | 34.30            | 1.00                       | 0.10                     |
| 2/9/2024                            | 15.11            | PoP              | Trace                      | 0                        | 2.56             | ND               | 0                          | 0                        | 4.15             | PoP              | Trace                      | 0                        |
| 2/22/2024                           | 15.50            | PoP              | Trace                      | 0                        | 3.80             | PoP              | Trace                      | 0                        | 5.46             | 32.30            | 3.00                       | 0.60                     |
| 3/7/2024                            | 15.17            | PoP              | Trace                      | 0                        | 4.84             | PoP              | Trace                      | 0                        | 6.65             | PoP              | Trace                      | 0                        |
| 3/22/2024                           | 12.02            | PoP              | Trace                      | 0                        | 4.35             | PoP              | Trace                      | 0                        | 6.32             | 34.40            | 1.00                       | Trace                    |
| 4/18/2024                           | 14.83            | PoP              | Trace                      | 0                        | 4.75             | ND               | 0                          | 0                        | 6.38             | 35.00            | 0.50                       | TR                       |
| 5/2/2024                            | 14.88            | ND               | 0                          | 0                        | 4.90             | PoP              | Trace                      | 0                        | 6.80             | 34.90            | 0.50                       | 0.10                     |
| 5/17/2024                           | 3.75             | PoP              | Trace                      | 0                        | 2.00             | PoP              | Trace                      | 0                        | 5.46             | 34.80            | 0.50                       | 0.10                     |
| 5/30/2024                           | 14.65            | PoP              | Trace                      | 0                        | 2.52             | PoP              | Trace                      | 0                        | 5.36             | 34.90            | 0.50                       | TR                       |
| 6/13/2024                           | 14.42            | PoP              | Trace                      | 0                        | 4.05             | PoP              | Trace                      | 0                        | 5.23             | PoP              | Trace                      | 0.10                     |
| 6/27/2024                           | 14.78            | PoP              | Trace                      | 0                        | 4.56             | ND               | 0                          | 0                        | 5.90             | 34.90            | 0.50                       | 0.10                     |
| 7/11/2024                           | 14.27            | PoP              | Trace                      | 0                        | 2.05             | PoP              | Trace                      | TR                       | 4.75             | PoP              | Trace                      | TR                       |
| 7/25/2024                           | 14.02            | PoP              | Trace                      | 0                        | 1.71             | ND               | 0                          | 0                        | 4.22             | PoP              | Trace                      | TR                       |
| 8/8/2024                            | 20.10            | PoP              | Trace                      | 0                        | NM               | NM               | NM                         | NM                       | 5.65             | 35.00            | 0.30                       | TR                       |
| 9/5/2024                            | 17.13            | PoP              | Trace                      | 0                        | 5.47             | PoP              | Trace                      | 0                        | 5.72             | 34.40            | 1.00                       | 0.10                     |
| 9/19/2024                           | 16.32            | PoP              | Trace                      | 0                        | 6.15             | PoP              | Trace                      | 0                        | 6.41             | 34.80            | 0.50                       | TR                       |
| <b>Total DNAPL<br/>Pumped (gal)</b> | <b>2.8</b>       |                  |                            |                          | <b>4.1</b>       |                  |                            |                          | <b>65.2</b>      |                  |                            |                          |

\* - indicates DNAPL and groundwater mixture

ND - Not detected

--- - No DNAPL pumped

NM - Not measured

† - measureable

DTW - Depth to water (feet Below Top of Casing (BTOC))

PoP - Product on probe, not measureable

PL - Extracted

DTD - Depth to DNAPL (feet BTOC)

TR- Trace amount of DNAPL Extracted

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-74B           |                  |                            |                          | MW-75B           |                  |                            |                          | MW-78A           |                  |                            |                          | Approx DNAPL<br>Recovered (gal) |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|---------------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |                                 |
| 2/14/2013              |                  |                  |                            |                          | 10.01            | 34.1             | 3.1                        | 0.3                      | NM               | NM               | NM                         | 0                        | 9.8                             |
| 4/3/2013               |                  |                  |                            |                          | 13.71            | 36.47            | 0.73                       | 0.3                      | NM               | NM               | NM                         | 0                        | 5.2                             |
| 4/22/2013              |                  |                  |                            |                          | 9.72             | 36.72            | 0.48                       | 0.3                      | NM               | NM               | NM                         | 0                        | 2.9                             |
| 5/30/2013              |                  |                  |                            |                          | 9.61             | 35.09            | 2.11                       | 0.8                      | NM               | NM               | NM                         | 0                        | 7.7                             |
| 6/29/2013              |                  |                  |                            |                          | 10.61            | 35.61            | 1.59                       | 0.8                      | NM               | NM               | NM                         | 0                        | 7.2                             |
| 7/22/2013              |                  |                  |                            |                          | 9.74             | 35.71            | 1.49                       | 0.8                      | NM               | NM               | NM                         | 0                        | 6.7                             |
| 8/26/2013              |                  |                  |                            |                          | 10.76            | 35.93            | 1.27                       | 0.8                      | NM               | NM               | NM                         | 0                        | 6.5                             |
| 9/27/2013              |                  |                  |                            |                          | 10.52            | 36.39            | 0.81                       | 0.5                      | NM               | NM               | NM                         | 0                        | 5.8                             |
| 10/31/2013             |                  |                  |                            |                          | 10.31            | 36.47            | 0.73                       | 1                        | NM               | NM               | NM                         | 0                        | 5.1                             |
| 11/27/2013             |                  |                  |                            |                          | 10.39            | 36.51            | 0.69                       | 1                        | NM               | NM               | NM                         | 0                        | 4.7                             |
| 12/31/2013             |                  |                  |                            |                          | 10.13            | 36.72            | 0.48                       | 1                        | NM               | NM               | NM                         | 0                        | 4.7                             |
| 1/30/2014              |                  |                  |                            |                          | 12.62            | 36.49            | 0.71                       | 0.8                      | NM               | NM               | NM                         | 0                        | 4.7                             |
| 3/3/2014               |                  |                  |                            |                          | 12.12            | 36.35            | 0.85                       | 0.8                      | NM               | NM               | NM                         | 0                        | 4.9                             |
| 3/31/2014              |                  |                  |                            |                          | 12.01            | 36.27            | 0.93                       | 0.8                      | NM               | NM               | NM                         | 0                        | 5.0                             |
| 4/30/2014              |                  |                  |                            |                          | 11.84            | 36.02            | 1.18                       | 0.8                      | NM               | NM               | NM                         | 0                        | 5.1                             |
| 5/27/2014              |                  |                  |                            |                          | 11.71            | 35.79            | 1.41                       | 0.8                      | NM               | NM               | NM                         | 0                        | 4.9                             |
| 6/26/2014              |                  |                  |                            |                          | 11.58            | 35.91            | 1.29                       | 0.5                      | NM               | NM               | NM                         | 0                        | 5.0                             |
| 7/31/2014              |                  |                  |                            |                          | 11.32            | 35.82            | 1.38                       | 0.5                      | NM               | NM               | NM                         | 0                        | 4.8                             |
| 8/27/2014              |                  |                  |                            |                          | 11.19            | 36.09            | 1.11                       | 0.5                      | NM               | NM               | NM                         | 0                        | 4.3                             |
| 10/3/2014              |                  |                  |                            |                          | 11.09            | 36.01            | 1.19                       | 0.5                      | NM               | NM               | NM                         | 0                        | 4.8                             |
| 11/3/2014              |                  |                  |                            |                          | 11.16            | 36.19            | 1.01                       | 0.8                      | 9.31             | 19.12            | 6.23                       | 2                        | 7.3                             |
| 11/24/2014             |                  |                  |                            |                          | 11.21            | 36.27            | 0.93                       | 0.5                      | 9.39             | 19.62            | 5.73                       | 2                        | 8.0                             |
| 12/22/2014             |                  |                  |                            |                          | 11.26            | 36.19            | 1.01                       | 0.5                      | 9.34             | 19.86            | 5.49                       | 2                        | 8.3                             |
| 1/29/2015              |                  |                  |                            |                          | 11.06            | 36.34            | 0.86                       | 0.5                      | 9.14             | 21.29            | 4.06                       | 2                        | 7.8                             |
| 2/26/2015              |                  |                  |                            |                          | 11.09            | 36.34            | 0.86                       | 0.5                      | 9.17             | 19.97            | 5.38                       | 2.5                      | 10.0                            |
| 3/26/2015              |                  |                  |                            |                          | 10.93            | 36.42            | 0.78                       | 0.5                      | 9.12             | 20.31            | 5.04                       | 0.8                      | 7.3                             |
| 4/27/2015              |                  |                  |                            |                          | 10.78            | 36.52            | 0.68                       | 0.5                      | 9.17             | 20.46            | 4.89                       | 2                        | 10.5                            |
| 5/26/2015              |                  |                  |                            |                          | 10.61            | 36.72            | 0.48                       | 0.8                      | 9.09             | 20.59            | 4.76                       | 2.5                      | 12.3                            |
| 7/6/2015               |                  |                  |                            |                          | 8.52             | 36.91            | 0.29                       | 0.8                      | 7.01             | 21.16            | 4.19                       | 2                        | 10.5                            |
| 8/3/2015               |                  |                  |                            |                          | 8.66             | 36.96            | 0.24                       | 0.8                      | 7.12             | 21.39            | 3.96                       | 2.5                      | 10.8                            |
| 8/27/2015              |                  |                  |                            |                          | 9.31             | 36.91            | 0.29                       | 0.8                      | 7.96             | 21.51            | 3.84                       | 2                        | 8.3                             |
| 10/5/2015              |                  |                  |                            |                          | 8.62             | 37.02            | 0.18                       | 0.5                      | 7.23             | 21.67            | 3.68                       | 2                        | 8.0                             |
| 11/5/2015              |                  |                  |                            |                          | 8.34             | 36.93            | 0.27                       | 0.5                      | 7.02             | 21.56            | 3.79                       | 2                        | 8.0                             |
| 12/3/2015              |                  |                  |                            |                          | 8.12             | 36.81            | 0.39                       | 0.5                      | 6.83             | 21.67            | 3.68                       | 2                        | 8.0                             |
| 12/28/2015             |                  |                  |                            |                          | 8.01             | 36.72            | 0.48                       | 0.5                      | 6.71             | 21.52            | 3.83                       | 2.3                      | 9.0                             |
| 2/3/2016               |                  |                  |                            |                          | 7.82             | 36.19            | 1.01                       | 0.3                      | 6.52             | 21.67            | 3.68                       | 2                        | 9.0                             |
| 3/3/2016               |                  |                  |                            |                          | 7.74             | 36.27            | 0.93                       | 0.5                      | 6.46             | 21.72            | 3.63                       | 2                        | 9.3                             |
| 3/31/2016              |                  |                  |                            |                          | 7.67             | 36.39            | 0.81                       | 0.5                      | 6.49             | 21.86            | 3.49                       | 2                        | 9.3                             |
| 5/3/2016               |                  |                  |                            |                          | 7.79             | 36.47            | 0.68                       | 0.5                      | 6.57             | 21.94            | 3.41                       | 2                        | 7.8                             |
| 6/2/2016               |                  |                  |                            |                          | 7.71             | 36.42            | 0.73                       | 0.5                      | 6.65             | 21.91            | 3.44                       | 2                        | 8.3                             |
| 7/8/2016               |                  |                  |                            |                          | 7.8              | 36.53            | 0.62                       | 0.5                      | 6.71             | 21.97            | 3.38                       | 2                        | 8.0                             |
| 8/3/2016               |                  |                  |                            |                          | 7.89             | 36.59            | 0.56                       | 0.5                      | 6.82             | 22.04            | 3.31                       | 2                        | 8.0                             |
| 8/30/2016              |                  |                  |                            |                          | 7.96             | 36.64            | 0.51                       | 0.5                      | 6.94             | 22.21            | 3.14                       | 2                        | 8.3                             |
| 9/30/2016              |                  |                  |                            |                          | 7.91             | 36.51            | 0.64                       | 0.5                      | 7.04             | 22.39            | 2.96                       | 2                        | 8.5                             |
| 11/3/2016              |                  |                  |                            |                          | 7.86             | 36.36            | 0.79                       | 0.5                      | 7.11             | 22.49            | 2.86                       | 2                        | 8.5                             |
| 11/30/2016             |                  |                  |                            |                          | 7.97             | 36.47            | 0.68                       | 0.8                      | 7.29             | 22.67            | 2.68                       | 2                        | 8.8                             |
| 1/4/2017               |                  |                  |                            |                          | 8.04             | 36.36            | 0.79                       | 0.8                      | 7.42             | 22.74            | 2.61                       | 2                        | 8.8                             |
| 2/7/2017               |                  |                  |                            |                          | 8.12             | 36.21            | 0.94                       | 0.8                      | 7.48             | 22.93            | 2.42                       | 2.5                      | 9.0                             |
| 3/2/2017               |                  |                  |                            |                          | 8.01             | 36.26            | 0.89                       | 0.8                      | 7.36             | 23.26            | 2.09                       | 2                        | 8.5                             |
| 4/3/2017               |                  |                  |                            |                          | 7.93             | 36.43            | 0.72                       | 0.8                      | 7.29             | 23.34            | 2.01                       | 2                        | 7.5                             |
| 4/27/2017              |                  |                  |                            |                          | 7.86             | 36.52            | 0.63                       | 0.8                      | 7.36             | 23.42            | 1.93                       | 2                        | 8.0                             |
| 5/29/2017              |                  |                  |                            |                          | 7.94             | 36.41            | 0.74                       | 0.8                      | 7.51             | 23.51            | 1.84                       | 2                        | 7.8                             |
| 7/5/2017               |                  |                  |                            |                          | 8.04             | 36.36            | 0.79                       | 0.8                      | 7.79             | 23.59            | 1.76                       | 2                        | 7.3                             |
| 8/1/2017               |                  |                  |                            |                          | 8.16             | 36.31            | 0.84                       | 0.8                      | 7.89             | 23.51            | 1.84                       | 2                        | 8.0                             |
| 9/5/2017               |                  |                  |                            |                          | 8.22             | 36.47            | 0.68                       | 0.8                      | 7.81             | 23.48            | 1.87                       | 2                        | 8.3                             |
| 10/4/2017              |                  |                  |                            |                          | 8.29             | 36.56            | 0.59                       | 0.8                      | 7.89             | 23.51            | 1.84                       | 2                        | 7.8                             |
| 11/2/2017              |                  |                  |                            |                          | 8.37             | 36.51            | 0.64                       | 1                        | 7.97             | 23.59            | 1.76                       | 2                        | 8.5                             |
| 11/29/2017             |                  |                  |                            |                          | 8.33             | 36.59            | 0.56                       | 1                        | 8.02             | 23.67            | 1.68                       | 2                        | 8.0                             |
| 1/2/2018               |                  |                  |                            |                          | 8.07             | 36.72            | 0.43                       | 1                        | 8.17             | 23.82            | 1.53                       | 2                        | 8.3                             |
| 2/7/2018               |                  |                  |                            |                          | 8.17             | 36.91            | 0.24                       | 1                        | 8.29             | 23.97            | 1.38                       | 2                        | 8.3                             |
| 3/1/2018               |                  |                  |                            |                          | 8.31             | 36.94            | 0.21                       | 1                        | 8.47             | 23.91            | 1.44                       | 2                        | 7.5                             |
| 4/2/2018               |                  |                  |                            |                          | 8.26             | 36.89            | 0.26                       | 0.8                      | 8.39             | 23.97            | 1.38                       | 2.3                      | 7.8                             |
| 5/1/2018               |                  |                  |                            |                          | 8.92             | 36.96            | 0.19                       | 0.8                      | 9.02             | 24.06            | 1.29                       | 2                        | 9.0                             |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-74B           |                  |                            |                          | MW-75B           |                  |                            |                          | MW-78A           |                  |                            |                          | Approx DNAPL<br>Recovered (gal) |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|---------------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |                                 |
| 6/1/2018               |                  |                  |                            |                          | 9.34             | 36.91            | 0.24                       | 0.8                      | 9.21             | 24.13            | 1.22                       | 2                        | 9.8                             |
| 6/29/2018              |                  |                  |                            |                          | 9.67             | 36.82            | 0.33                       | 0.8                      | 9.39             | 24.21            | 1.14                       | 2.3                      | 10.5                            |
| 8/3/2018               |                  |                  |                            |                          | 9.84             | 36.87            | 0.28                       | 0.8                      | 9.47             | 24.31            | 1.04                       | 2                        | 10.0                            |
| 8/31/2018              |                  |                  |                            |                          | 9.71             | 36.91            | 0.24                       | 0.8                      | 9.32             | 24.47            | 0.88                       | 2                        | 8.3                             |
| 9/28/2018              |                  |                  |                            |                          | 9.62             | 36.84            | 0.31                       | 0.8                      | 9.22             | 24.39            | 0.96                       | 2                        | 8.3                             |
| 11/2/2018              |                  |                  |                            |                          | 9.57             | 36.88            | 0.27                       | 0.8                      | 9.09             | 24.27            | 1.08                       | 2                        | 8.5                             |
| 11/29/2018             |                  |                  |                            |                          | 9.41             | 36.92            | 0.23                       | 1                        | 8.96             | 24.22            | 1.13                       | 2                        | 7.5                             |
| 1/2/2019               |                  |                  |                            |                          | 9.28             | 36.96            | 0.19                       | 1                        | 8.78             | 24.39            | 0.96                       | 2                        | 7.8                             |
| 2/2/2019               |                  |                  |                            |                          | 9.22             | 36.91            | 0.24                       | 1                        | 8.71             | 24.47            | 0.88                       | 2                        | 8.0                             |
| 2/28/2019              |                  |                  |                            |                          | 9.16             | 36.93            | 0.22                       | 1                        | 8.67             | 24.42            | 0.93                       | 2                        | 8.8                             |
| 4/2/2019               |                  |                  |                            |                          | 9.06             | 36.91            | 0.24                       | 1                        | 8.58             | 24.43            | 0.92                       | 2                        | 8.8                             |
| 4/25/2019              |                  |                  |                            |                          | 9.02             | 36.72            | 0.43                       | 1                        | 8.49             | 24.31            | 1.04                       | 2                        | 9.3                             |
| 5/29/2019              |                  |                  |                            |                          | 9.07             | 36.67            | 0.48                       | 1                        | 8.42             | 24.26            | 1.09                       | 2                        | 9.3                             |
| 6/12/2019              |                  |                  |                            |                          | 8.92             | ND               | Trace                      | 0                        | 8.67             | 23.96            | 1.39                       | 2                        | 9.0                             |
| 6/30/2019              |                  |                  |                            |                          | 8.66             | ND               | Trace                      | 0                        | 9.36             | 23.77            | 1.58                       | 2                        | 9.8                             |
| 7/16/2019              |                  |                  |                            |                          | 8.62             | ND               | Trace                      | 0                        | 9.29             | 23.62            | 1.73                       | 2                        | 10.5                            |
| 8/2/2019               |                  |                  |                            |                          | 8.67             | ND               | Trace                      | 0                        | 9.34             | 23.57            | 1.78                       | 2                        | 8.0                             |
| 8/15/2019              |                  |                  |                            |                          | 8.69             | ND               | 0                          | 0                        | 9.42             | 23.06            | 2.29                       | 2                        | 12.0                            |
| 8/28/2019              |                  |                  |                            |                          | 8.72             | ND               | Trace                      | 0                        | 9.51             | 23.01            | 2.34                       | 2                        | 12.0                            |
| 9/17/2019              |                  |                  |                            |                          | 8.61             | ND               | Trace                      | 0                        | 9.39             | 22.76            | 2.59                       | 2                        | 13.0                            |
| 10/2/2019              |                  |                  |                            |                          | 8.53             | ND               | Trace                      | 0                        | 9.27             | 22.58            | 2.77                       | 2                        | 10.5                            |
| 10/16/2019             |                  |                  |                            |                          | NM               | NM               | NM                         | 0                        | 10.16            | 21.63            | 3.72                       | 2                        | 8.0                             |
| 10/31/2019             |                  |                  |                            |                          | NM               | NM               | NM                         | 0                        | 10.41            | 21.79            | 3.56                       | 2.5                      | 8.5                             |
| 11/15/2019             |                  |                  |                            |                          | 7.91             | ND               | 0                          | 0                        | 8.01             | 21.62            | 3.73                       | 1.5                      | 5.0                             |
| 12/3/2019              |                  |                  |                            |                          | 8.24             | ND               | 0                          | 0                        | 8.41             | 22.12            | 3.23                       | 2                        | 6.5                             |
| 12/18/2019             |                  |                  |                            |                          | 4.99             | ND               | 0                          | 0                        | 8.38             | ND               | 0                          | 0                        | 2.1                             |
| 12/30/2019             |                  |                  |                            |                          | 7.79             | 35.3             | 1.85                       | 0                        | 9.16             | 19.93            | 5.42                       | 1.5                      | 3.3                             |
| 1/7/2020               |                  |                  |                            |                          | --               | --               | --                         | --                       | --               | --               | --                         | --                       | --                              |
| 1/15/2020              |                  |                  |                            |                          | 6.47             | 36.4             | 0.75                       | 0                        | 8.79             | 24.9             | 0.45                       | 0.1                      | 4.1                             |
| 1/27/2020              |                  |                  |                            |                          | 5.92             | 34.6             | 2.55                       | 0.1                      | 7.06             | 24.06            | 1.29                       | 0                        | 3.8                             |
| 2/13/2020              |                  |                  |                            |                          | 7.88             | 35.08            | 2.07                       | 0.1                      | 8.01             | 24.08            | 1.27                       | 0                        | 3.3                             |
| 2/25/2020              |                  |                  |                            |                          | 5.82             | ND               | 0                          | 0                        | 7.84             | 21.86            | 3.49                       | 0.3                      | 2.6                             |
| 3/13/2020              |                  |                  |                            |                          | 8.24             | 34.9             | 2.25                       | 0.1                      | NM               | NM               | NM                         | 0                        | 2.3                             |
| 3/31/2020              |                  |                  |                            |                          | 4.79             | ND               | 0                          | 0                        | 7.82             | 23.1             | 2.25                       | 0.1                      | 5.9                             |
| 4/9/2020               |                  |                  |                            |                          | 8.52             | ND               | 0                          | 0                        | 7.52             | 22.5             | 2.85                       | 0.1                      | 7.3                             |
| 4/27/2020              |                  |                  |                            |                          | 9.07             | ND               | 0                          | 0                        | 8.33             | 23.2             | 2.15                       | 0.5                      | 7.7                             |
| 5/14/2020              |                  |                  |                            |                          | 7.74             | 37.1             | 0.05                       | 0                        | 8.05             | 23.22            | 2.13                       | 0.5                      | 8.3                             |
| 5/28/2020              |                  |                  |                            |                          | 5.06             | ND               | 0                          | 0                        | 7.59             | 23.69            | 1.66                       | 0.5                      | 8.6                             |
| 6/11/2020              |                  |                  |                            |                          | 5.79             | 37               | 0.15                       | TR                       | 7.39             | 24.96            | 0.39                       | 0.1                      | 5.6                             |
| 6/25/2020              |                  |                  |                            |                          | 4.87             | ND               | 0                          | 0                        | 6.28             | 19.9             | 5.45                       | 1.5                      | 6.5                             |
| 7/9/2020               |                  |                  |                            |                          | 8.91             | ND               | 0                          | 0                        | 8.41             | 19.7             | 5.65                       | 2.5                      | 7.3                             |
| 7/23/2020              |                  |                  |                            |                          | 8.71             | ND               | 0                          | 0                        | 7.85             | 20.91            | 4.44                       | 1.0                      | 8.8                             |
| 8/6/2020               |                  |                  |                            |                          | 6.74             | ND               | 0                          | 0                        | 7.81             | 22.05            | 3.3                        | 1.0                      | 6.3                             |
| 8/20/2020              |                  |                  |                            |                          | 6.01             | ND               | 0                          | 0                        | 7.21             | 21.88            | 3.47                       | 0.5                      | 3.9                             |
| 9/2/2020               |                  |                  |                            |                          | 8.61             | ND               | 0                          | 0                        | 6.98             | 22.6             | 2.75                       | 1.0                      | 4.4                             |
| 9/17/2020              |                  |                  |                            |                          | 8.52             | ND               | 0                          | 0                        | 8.05             | 22.21            | 3.14                       | 0.5                      | 3.1                             |
| 10/1/2020              |                  |                  |                            |                          | 7.33             | 37.1             | Trace                      | 0                        | 8.01             | 24.1             | 1.25                       | 1.0                      | 3.9                             |
| 10/14/2020             |                  |                  |                            |                          | 8.26             | 37.2             | Trace                      | TR                       | 8.11             | 24.9             | 0.45                       | 0.5                      | 8.3                             |
| 10/28/2020             |                  |                  |                            |                          | 8.11             | ND               | 0                          | 0                        | 7.99             | 25.08            | 0.27                       | 0.3                      | 6.3                             |
| 11/12/2020             |                  |                  |                            |                          | 8.41             | 36.78            | 0.37                       | 0.3                      | 8.42             | 25.0             | 0.35                       | 0.1                      | 5.6                             |
| 11/23/2020             |                  |                  |                            |                          | 8.62             | 36.04            | 1.11                       | 0.3                      | 9.19             | 25.08            | 0.27                       | 0.3                      | 3.3                             |
| 12/10/2020             |                  |                  |                            |                          | 7.94             | 36.54            | 0.61                       | 0.1                      | 8.79             | 25.12            | 0.23                       | TR                       | 4.8                             |
| 12/21/2020             |                  |                  |                            |                          | 6.15             | 36.84            | 0.31                       | 0.1                      | 6.43             | 25.21            | 0.14                       | TR                       | 3.9                             |
| 1/7/2021               |                  |                  |                            |                          | 6.81             | 37.01            | 0.14                       | 0.1                      | 7.31             | ND               | 0                          | 0                        | 4.1                             |
| 1/21/2021              |                  |                  |                            |                          | 7.85             | 35.5             | 1.65                       | 2.0                      | 7.71             | ND               | 0                          | 0                        | 7.8                             |
| 2/4/2021               |                  |                  |                            |                          | 8.19             | 35.2             | 1.95                       | 2.0                      | 7.63             | ND               | 0                          | 0                        | 7.8                             |
| 2/23/2021              |                  |                  |                            |                          | 7.64             | 34.59            | 2.56                       | 1.0                      | 7.52             | ND               | 0                          | 0                        | 6.5                             |
| 3/11/2021              |                  |                  |                            |                          | 7.82             | 35.1             | 2.05                       | 1.0                      | 7.42             | ND               | 0                          | 0                        | 6.5                             |
| 3/25/2021              |                  |                  |                            |                          | 7.91             | 36.81            | 0.34                       | 0.3                      | 7.28             | ND               | 0                          | 0                        | 5.3                             |
| 4/8/2021               |                  |                  |                            |                          | 7.08             | 36.53            | 0.62                       | 0                        | 7.41             | ND               | 0                          | 0                        | 5.0                             |
| 4/22/2021              |                  |                  |                            |                          | 8.59             | 36.8             | 0.35                       | 0.3                      | 7.02             | ND               | 0                          | 0                        | 4.4                             |
| 5/4/2021               | 7.81             | 32.80            | 2.20                       | 2.0                      | 7.83             | ND               | 0                          | 0                        | 7.22             | ND               | 0                          | 0                        | 6.8                             |
| 5/20/2021              | 5.93             | 33.40            | 1.60                       | 0.5                      | 8.06             | 37.1             | 0.05                       | 0.3                      | 8.04             | ND               | 0                          | 0                        | 5.5                             |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date | MW-74B           |                  |                            |                          | MW-75B           |                  |                            |                          | MW-78A           |                  |                            |                          | Approx DNAPL<br>Recovered (gal) |
|------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|---------------------------------|
|                        | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |                                 |
| 6/3/2021               | 6.54             | 33.62            | 1.38                       | 0.5                      | 3.71             | 37.02            | 0.13                       | 0.1                      | 7.49             | ND               | 0                          | 0                        | 4.9                             |
| 6/17/2021              | 6.86             | 34.70            | 0.30                       | 0.1                      | 5.21             | ND               | 0                          | 0                        | 6.81             | ND               | 0                          | 0                        | 3.9                             |
| 7/1/2021               | 3.68             | 34.08            | 0.92                       | 0.5                      | 7.33             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 4.4                             |
| 7/19/2021              | 5.36             | 34.15            | 0.85                       | 0.8                      | 5.16             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 4.0                             |
| 7/29/2021              | 6.31             | 33.60            | 1.40                       | 1.0                      | 7.48             | ND               | 0                          | 0                        | 7.18             | ND               | 0                          | 0                        | 3.9                             |
| 8/12/2021              | 7.51             | 33.34            | 1.66                       | 1.0                      | 7.58             | ND               | 0                          | 0                        | 6.84             | ND               | 0                          | 0                        | 4.4                             |
| 8/26/2021              | 7.34             | 33.22            | 1.78                       | 1.0                      | 8.19             | 37.01            | 0.14                       | TR                       | 6.92             | ND               | 0                          | 0                        | 5.0                             |
| 9/10/2021              | 7.81             | 34.40            | 0.60                       | 0.2                      | 8.63             | ND               | 0                          | 0                        | 6.58             | ND               | 0                          | 0                        | 2.6                             |
| 9/22/2021              | 11.35            | 34.41            | 0.59                       | 0                        | 8.09             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 1.3                             |
| 10/8/2021              | 6.94             | 33.58            | 1.42                       | 0                        | 8.03             | ND               | 0                          | 0                        | 7.14             | ND               | 0                          | 0                        | 1.0                             |
| 10/20/2021             | 11.84            | 34.81            | 0.19                       | 0                        | 8.21             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 1.3                             |
| 11/4/2021              | 7.24             | 33.83            | 1.17                       | 0.3                      | 7.70             | ND               | 0                          | 0                        | 7.01             | ND               | 0                          | 0                        | 2.0                             |
| 11/18/2021             | 7.41             | ND               | 0                          | 0                        | 7.70             | ND               | 0                          | 0                        | 7.11             | ND               | 0                          | 0                        | 0.3                             |
| 12/3/2021              | 7.90             | ND               | 0                          | 0                        | 7.94             | ND               | 0                          | 0                        | 7.46             | ND               | 0                          | 0                        | 1.3                             |
| 12/16/2021             | 7.51             | ND               | 0                          | 0                        | 8.12             | ND               | 0                          | 0                        | 7.80             | ND               | 0                          | 0                        | 1.3                             |
| 12/30/2021             | 7.76             | ND               | Trace                      | 0                        | NM               | NM               | NM                         | 0                        | 8.09             | ND               | Trace                      | 0                        | 1.5                             |
| 1/14/2022              | 7.82             | ND               | Trace                      | 0                        | NM               | NM               | NM                         | 0                        | 8.16             | ND               | Trace                      | 0                        | 1.5                             |
| 1/26/2022              | 7.91             | ND               | Trace                      | 0                        | NM               | NM               | NM                         | 0                        | 8.27             | ND               | Trace                      | 0                        | 1.5                             |
| 2/10/2022              | 7.30             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 8.88             | ND               | 0                          | 0                        | 0.9                             |
| 2/24/2022              | 8.41             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 8.51             | ND               | 0                          | 0                        | 1.1                             |
| 3/10/2022              | 8.60             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 8.67             | ND               | 0                          | 0                        | 1.2                             |
| 3/24/2022              | 8.62             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 8.65             | ND               | 0                          | 0                        | 0.3                             |
| 4/7/2022               | 8.20             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 8.90             | ND               | 0                          | 0                        | 0.5                             |
| 4/18/2022              | 8.42             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 8.96             | ND               | 0                          | 0                        | 2.3                             |
| 5/2/2022               | 8.52             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 9.02             | ND               | 0                          | 0                        | 2.5                             |
| 5/20/2022              | 8.51             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 9.13             | ND               | 0                          | 0                        | 2.5                             |
| 6/2/2022               | 8.39             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 9.26             | ND               | 0                          | 0                        | 2.5                             |
| 6/16/2022              | 9.09             | ND               | Trace                      | 0                        | NM               | NM               | NM                         | 0                        | 9.13             | ND               | Trace                      | 0                        | 1.8                             |
| 6/30/2022              | 9.47             | ND               | Trace                      | 0                        | NM               | NM               | NM                         | 0                        | 9.23             | ND               | Trace                      | 0                        | 1.4                             |
| 7/15/2022              | 8.41             | ND               | Trace                      | 0                        | NM               | NM               | NM                         | 0                        | 9.26             | ND               | Trace                      | 0                        | 2.5                             |
| 7/28/2022              | 8.51             | ND               | Trace                      | 0                        | NM               | NM               | NM                         | 0                        | 9.36             | ND               | Trace                      | 0                        | 2.5                             |
| 8/12/2022              | 8.82             | ND               | Trace                      | 0                        | NM               | NM               | NM                         | 0                        | 9.59             | ND               | Trace                      | 0                        | 0.4                             |
| 8/29/2022              | 8.62             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 9.41             | ND               | 0                          | 0                        | 3.5                             |
| 9/16/2022              | 8.80             | ND               | Trace                      | 0                        | NM               | NM               | NM                         | 0                        | NM               | NM               | NM                         | 0                        | 4.5                             |
| 9/30/2022              | 8.70             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 9.20             | ND               | Trace                      | 0                        | 8.0                             |
| 10/17/2022             | 9.24             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 9.21             | ND               | Trace                      | 0                        | 5.1                             |
| 10/27/2022             | 9.42             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 9.34             | ND               | Trace                      | 0                        | 5.5                             |
| 11/10/2022             | 9.31             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 9.17             | ND               | Trace                      | 0                        | 5.5                             |
| 11/30/2022             | 6.02             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 5.81             | ND               | 0                          | 0                        | 5.0                             |
| 12/16/2022             | 6.12             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 5.72             | ND               | 0                          | 0                        | 5.0                             |
| 12/27/2022             | 6.02             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 6.17             | ND               | 0                          | 0                        | 5.0                             |
| 1/13/2023              | 6.67             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 6.79             | ND               | 0                          | 0                        | 5.0                             |
| 1/27/2023              | 7.64             | ND               | Trace                      | 0                        | NM               | NM               | NM                         | 0                        | 8.6              | ND               | 0                          | 0                        | 2.8                             |
| 2/9/2023               | 7.21             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 8.65             | ND               | Trace                      | 0                        | 0.9                             |
| 2/23/2023              | 7.84             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 8.61             | ND               | 0                          | 0                        | 3.3                             |
| 3/9/2023               | 7.67             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 8.51             | ND               | 0                          | 0                        | 3.5                             |
| 3/23/2023              | 8.12             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 8.47             | ND               | Trace                      | 0                        | 3.3                             |
| 4/6/2023               | 7.81             | ND               | 0                          | 0                        | NM               | NM               | NM                         | 0                        | 8.59             | ND               | 0                          | 0                        | 4.5                             |
| 4/19/2023              | 7.9              | ND               | 0                          | 0                        | 7.11             | NM               | NM                         | 0                        | 8.5              | ND               | 0                          | 0                        | 4.0                             |
| 5/5/2023               | 7.62             | ND               | 0                          | 0                        | 8.01             | NM               | NM                         | 0                        | 8.42             | ND               | 0                          | 0                        | 4.0                             |
| 5/18/2023              | 6.10             | ND               | 0                          | 0                        | 6.72             | NM               | NM                         | 0                        | 7.82             | ND               | 0                          | 0                        | 3.0                             |
| 6/1/2023               | 6.85             | ND               | Trace                      | 0                        | NM               | NM               | NM                         | 0                        | 7.50             | ND               | 0                          | 0                        | 2.4                             |
| 6/15/2023              | 6.86             | ND               | 0.00                       | 0                        | NM               | NM               | NM                         | 0                        | 7.54             | ND               | 0                          | 0                        | 3.6                             |
| 6/29/2023              | 7.24             | ND               | Trace                      | 0                        | 7.85             | ND               | Trace                      | 0                        | 7.57             | ND               | 0                          | 0                        | 1.7                             |
| 7/13/2023              | 6.92             | ND               | 0.00                       | 0                        | 7.8              | ND               | Trace                      | 0                        | 7.44             | ND               | 0                          | 0                        | 1.6                             |
| 7/27/2023              | 7.70             | ND               | 0.00                       | 0                        | 8.15             | ND               | Trace                      | 0                        | 7.52             | ND               | 0                          | 0                        | 0.0                             |
| 8/10/2023              | 8.52             | ND               | Trace                      | 0                        | 8.2              | ND               | Trace                      | 0                        | 7.89             | ND               | Trace                      | 0                        | 2.2                             |
| 8/24/2023              | 9.90             | ND               | Trace                      | 0                        | 9.75             | ND               | Trace                      | 0                        | 9.03             | ND               | Trace                      | 0                        | 1.3                             |
| 9/7/2023               | 9.96             | ND               | Trace                      | 0                        | 9.82             | ND               | Trace                      | 0                        | 9.07             | ND               | Trace                      | 0                        | 1.4                             |
| 9/21/2023              | 8.90             | ND               | Trace                      | 0                        | 8.50             | ND               | Trace                      | 0                        | 8.51             | ND               | Trace                      | 0                        | 0.9                             |
| 10/5/2023              | 8.95             | ND               | Trace                      | 0                        | --               | --               | --                         | --                       | 7.95             | ND               | Trace                      | 0                        | 1.2                             |
| 10/19/2023             | 8.41             | PoP              | Trace                      | 0                        | 8.00             | PoP              | Trace                      | 0                        | 7.68             | ND               | 0                          | 0                        | 1.3                             |
| 11/2/2023              | 8.78             | 33.70            | 2.40                       | 0.80                     | 7.92             | PoP              | Trace                      | 0                        | 8.31             | ND               | 0                          | 0                        | 2.0                             |

TABLE 1

**SUMMARY OF DNAPL RECOVERY MEASUREMENTS  
UPRR HOUSTON, TX - WOOD PRESERVING WORKS**

| DNAPL<br>Recovery Date              | MW-74B           |                  |                            |                          | MW-75B           |                  |                            |                          | MW-78A           |                  |                            |                          | Approx DNAPL<br>Recovered (gal) |
|-------------------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|------------------|------------------|----------------------------|--------------------------|---------------------------------|
|                                     | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) | DTW (ft<br>BTOC) | DTD (ft<br>BTOC) | DNAPL<br>Thickness<br>(ft) | DNAPL<br>Pumped<br>(gal) |                                 |
| 11/16/2023                          | 8.80             | 35.20            | 1.00                       | 0.20                     | 7.77             | ND               | 0                          | 0                        | 8.70             | ND               | 0                          | 0                        | 2.7                             |
| 11/30/2023                          | 8.41             | 35.45            | 0.75                       | 0.10                     | 5.90             | PoP              | Trace                      | 0                        | 8.92             | ND               | 0                          | 0                        | 0.5                             |
| 12/14/2023                          | 8.70             | 34.00            | 2.10                       | 0.10                     | 7.70             | ND               | 0                          | 0                        | 8.45             | ND               | 0                          | 0                        | 2.2                             |
| 12/27/2023                          | 8.15             | 39.00            | 1.00                       | 0.20                     | 7.74             | PoP              | Trace                      | 0                        | 8.12             | ND               | 0                          | 0                        | 0.6                             |
| 1/11/2024                           | 7.37             | PoP              | Trace                      | 0.00                     | 7.30             | ND               | 0                          | 0                        | 7.80             | ND               | 0                          | 0                        | 0.4                             |
| 1/25/2024                           | 7.50             | 35.00            | 1.00                       | 0.10                     | 3.65             | ND               | 0                          | 0                        | 7.72             | ND               | 0                          | 0                        | 1.2                             |
| 2/9/2024                            | 6.76             | PoP              | Trace                      | 0.00                     | 7.30             | 35.20            | 2.00                       | 0.50                     | 11.42            | ND               | 0                          | 0                        | 0.6                             |
| 2/22/2024                           | 7.41             | 35.60            | 0.50                       | 0.20                     | 7.80             | 36.70            | 0.50                       | 0.10                     | 7.30             | ND               | 0                          | 0                        | 1.6                             |
| 3/7/2024                            | 8.20             | PoP              | Trace                      | 0.00                     | 7.82             | 36.20            | 1.00                       | 0.30                     | 7.90             | ND               | 0                          | 0                        | 1.0                             |
| 3/22/2024                           | NM               | PoP              | Trace                      | 0.00                     | NM               | PoP              | Trace                      | 0.00                     | 8.56             | PoP              | Trace                      | 0                        | 1.0                             |
| 4/18/2024                           | 7.60             | 35.20            | 1.00                       | 0.30                     | 8.15             | PoP              | Trace                      | 0.10                     | 7.95             | ND               | 0                          | 0                        | 0.8                             |
| 5/2/2024                            | 7.75             | 35.20            | 1.00                       | 0.10                     | 8.11             | 36.70            | 0.50                       | 0.10                     | 7.90             | ND               | 0                          | 0                        | 0.6                             |
| 5/17/2024                           | 6.55             | 35.50            | 0.50                       | 0.10                     | 7.60             | PoP              | Trace                      | 0                        | 7.75             | ND               | 0                          | 0                        | 0.8                             |
| 5/30/2024                           | 6.95             | 35.00            | 1.00                       | 0.30                     | NM               | NM               | NM                         | NM                       | 5.45             | 36.90            | 0.5                        | 0.1                      | 1.5                             |
| 6/13/2024                           | NM               | NM               | NM                         | NM                       | 8.55             | PoP              | Trace                      | 0                        | 7.65             | ND               | 0                          | 0                        | 0.7                             |
| 6/27/2024                           | 7.02             | 35.00            | 1.00                       | 0.20                     | 9.00             | PoP              | Trace                      | 0                        | 8.02             | ND               | 0                          | 0                        | 0.6                             |
| 7/11/2024                           | 6.70             | 35.10            | 1.00                       | 0.25                     | 8.48             | PoP              | Trace                      | 0.10                     | 7.40             | ND               | 0                          | 0                        | 0.8                             |
| 7/25/2024                           | 5.94             | 35.20            | 1.00                       | 0.20                     | 10.20            | ND               | 0                          | 0                        | 7.01             | ND               | 0                          | 0                        | 0.7                             |
| 8/8/2024                            | 6.05             | PoP              | Trace                      | 0.10                     | 7.90             | ND               | 0                          | 0                        | 6.85             | ND               | 0                          | 0                        | 0.5                             |
| 9/5/2024                            | 7.50             | PoP              | Trace                      | 0.10                     | 7.54             | PoP              | Trace                      | TR                       | 7.01             | ND               | 0                          | 0                        | 0.9                             |
| 9/19/2024                           | 7.75             | PoP              | Trace                      | TR                       | 7.87             | 36.20            | 1.00                       | 0.30                     | 8.66             | PoP              | Trace                      | 0                        | 0.4                             |
| <b>Total DNAPL<br/>Pumped (gal)</b> | <b>11.2</b>      |                  |                            |                          | <b>62.4</b>      |                  |                            |                          | <b>151.4</b>     |                  |                            |                          | <b>1090.1</b>                   |

\* - indicates DNAPL and groundwater mixture

ND - Not detected

--- - No DNAPL pumped

NM - Not measured

DTW - Depth to water (feet Below Top of Casing (BTOC))

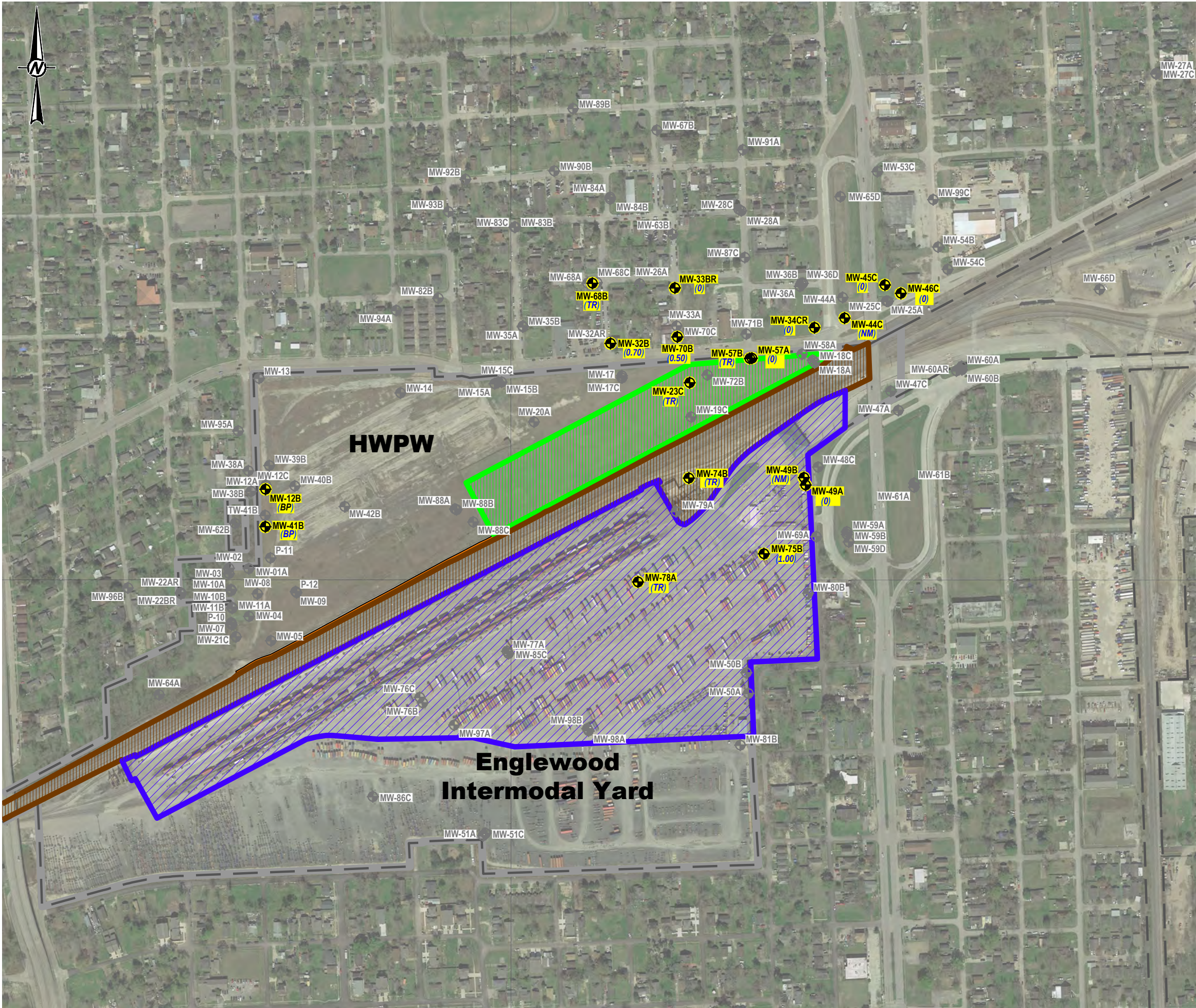
PoP - Product on probe, not measureable

DTD - Depth to DNAPL (feet BTOC)

TR- Trace amount of DNAPL Extracted

## FIGURES

Path: \\gdr\gdr\gis\completed\offices\Houston\Projects - Round Rock\ 2019\01\10202 - HWPW\2023\11\1 - File Name: 1 - In-Well DNAPL Thickness (September 2023).dwg | Last Edited By: adamand Date: 2023-11-27 Time: 12:53 PM



#### LEGEND

- UPRR PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- MONITORING WELL LOCATION USED FOR DNAPL RECOVERY
- (0.59) IN WELL DNAPL THICKNESS (FT)
- RAILROAD BALLAST CAP AREA
- ASPHALT CAP AREA
- SOIL CAP AREA
- CONCRETE CAP AREA

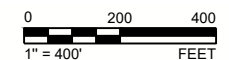
#### NOTE(S)

- BP - BELOW PUMP; DEPTH TO DNAPL NOT MEASURED BECAUSE DNAPL IS BELOW TOP OF IN-WELL PUMP.
- IN-WELL THICKNESS MEASURED SEPTEMBER 19, 2024.
- NM - NOT MEASURED; MW-44C DAMAGED AND MW-34CR & MW-49B INACCESSIBLE
- TR - TRACE, NOT MEASURABLE.

#### REFERENCE(S)

PARCEL BOUNDARIES: CITY OF HOUSTON GEOGRAPHIC INFORMATION & MANAGEMENT SYSTEMS (GIMS).  
AERIAL: GOOGLE EARTH, IMAGERY DATED 2/23/19.

DRAFT



CLIENT  
UNION PACIFIC RAILROAD CO.

PROJECT  
HOUSTON WOOD PRESERVING WORKS

TITLE  
IN-WELL DNAPL THICKNESS  
September 19, 2024

|                                                                                       |            |            |            |
|---------------------------------------------------------------------------------------|------------|------------|------------|
|  | CONSULTANT | YYYY-MM-DD | 2023-11-27 |
|                                                                                       | DESIGNED   | AJD        |            |
|                                                                                       | PREPARED   | AJD        |            |
|                                                                                       | REVIEWED   | MH         |            |
|                                                                                       | APPROVED   | ECM        |            |

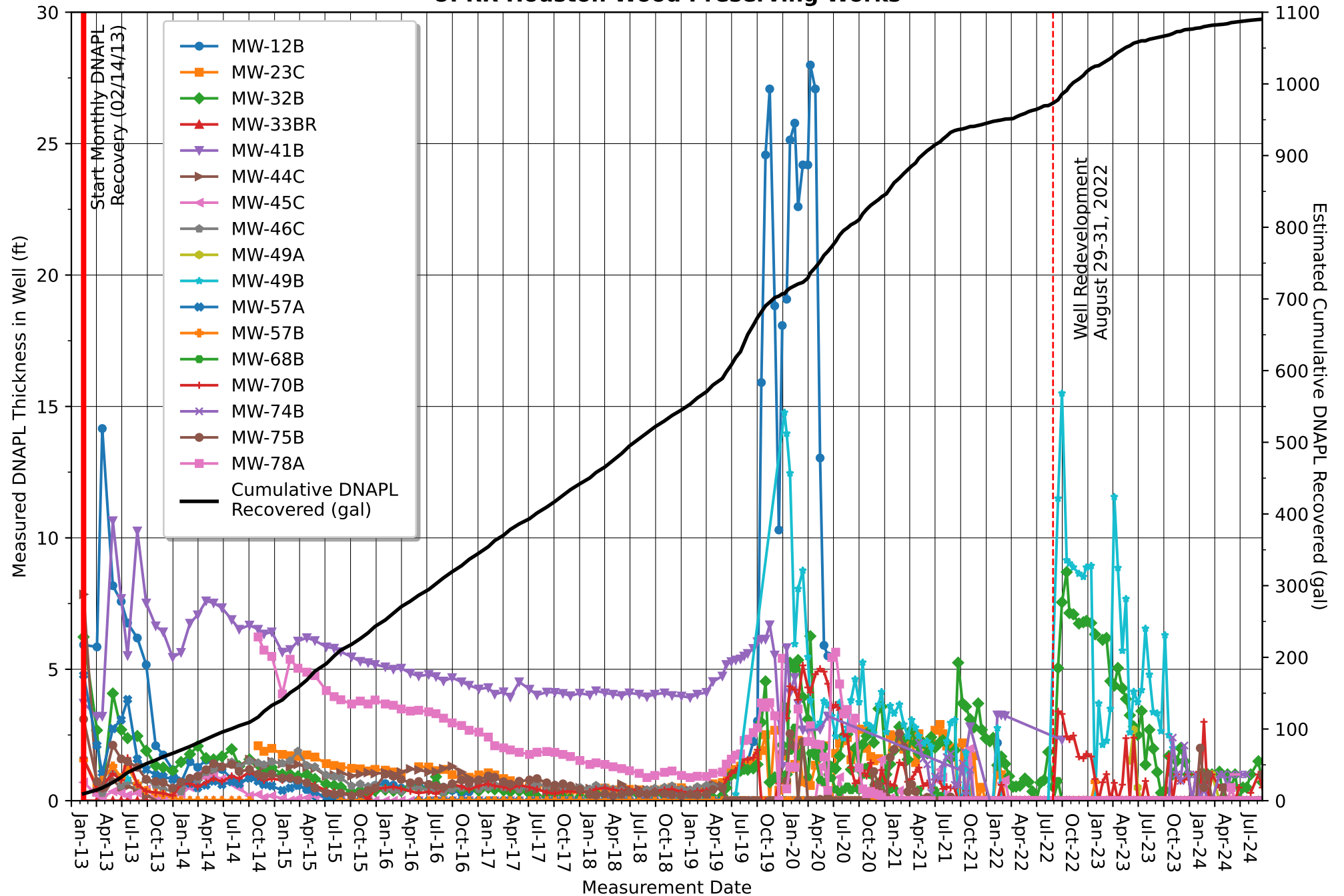
PROJECT NO.  
31406585.016

REV.  
0

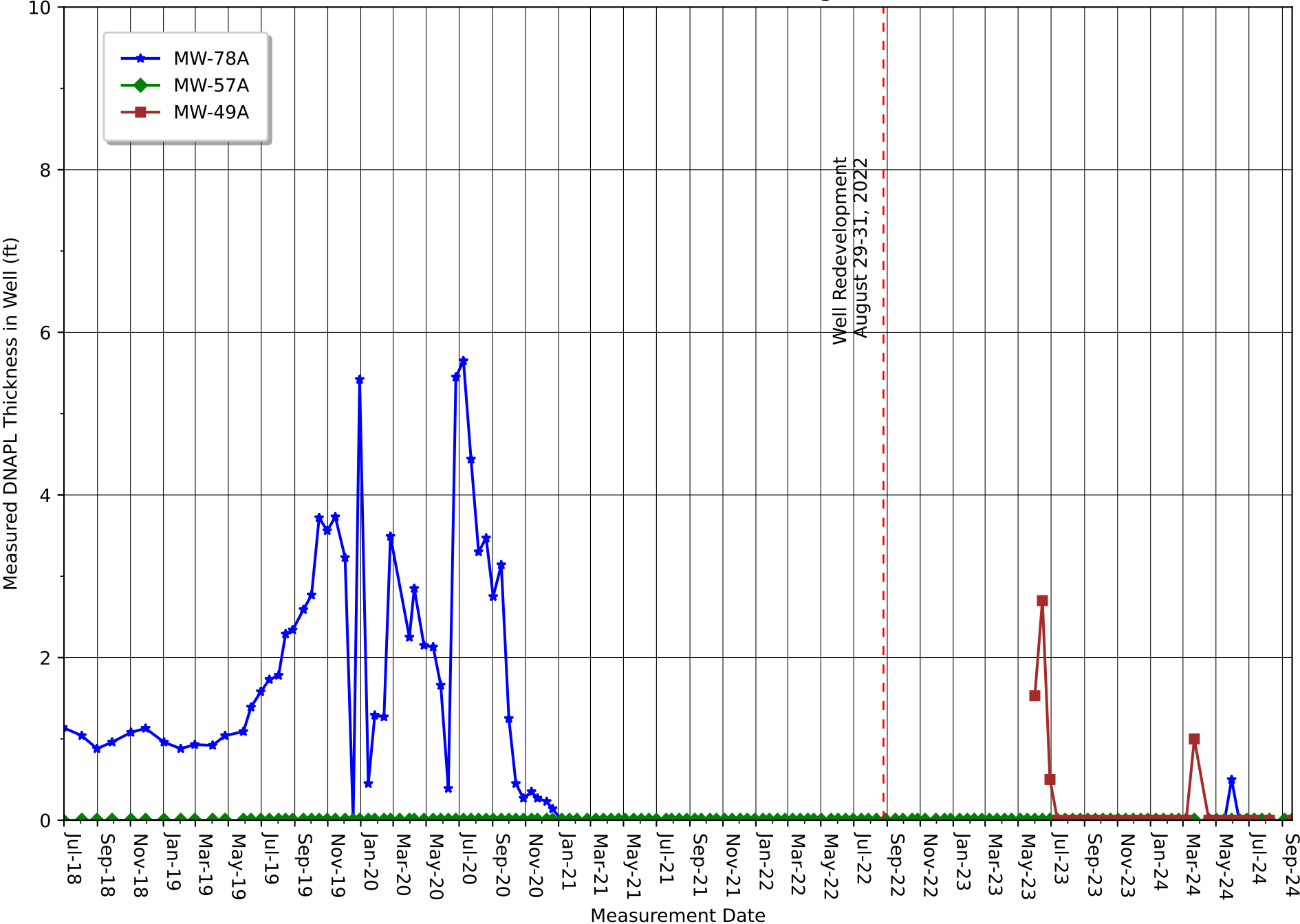
FIGURE  
1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B

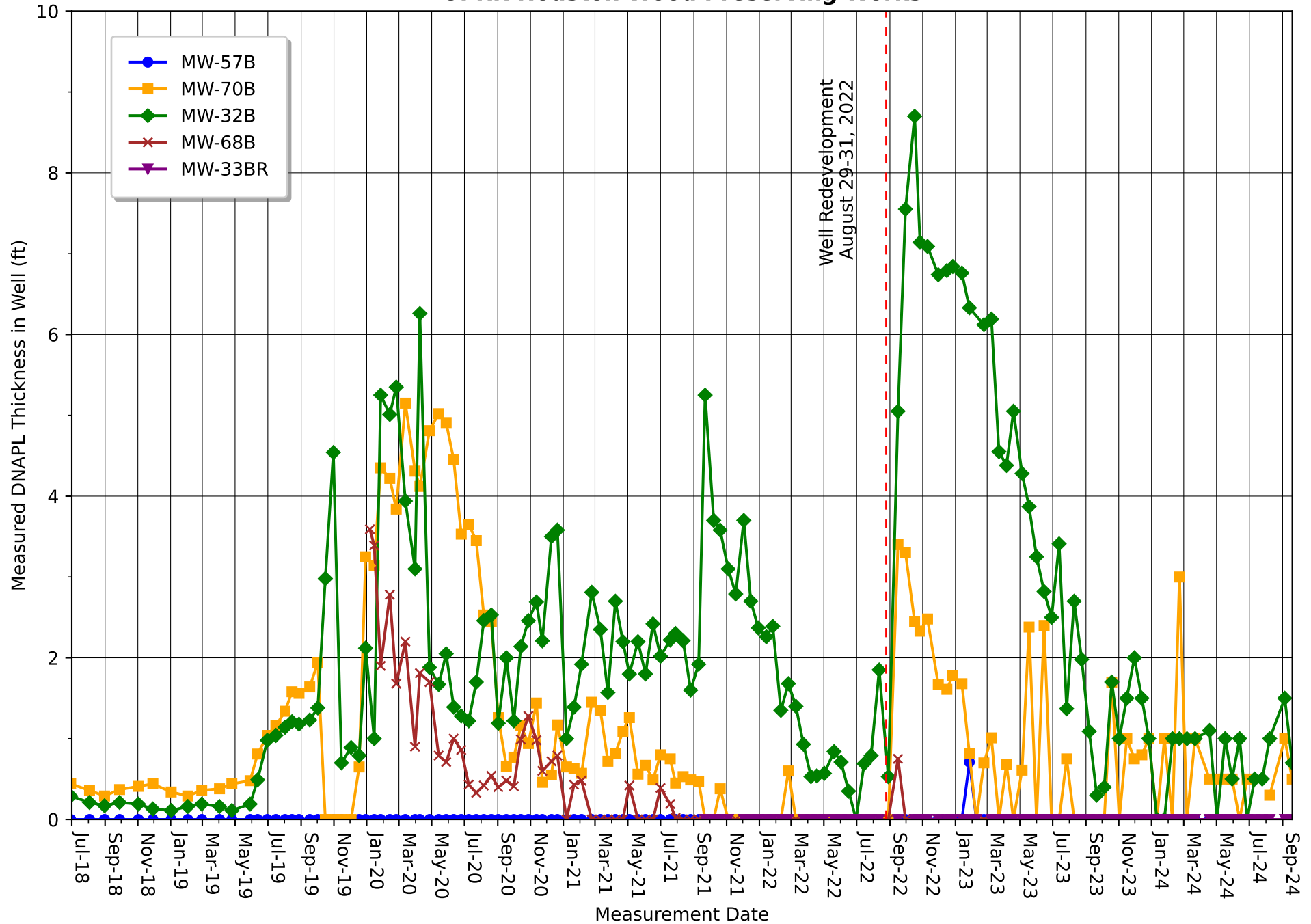
**Figure 2**  
**DNAPL Recovery Activities February 2013 - September 2024**  
**UPRR Houston Wood Preserving Works**



**Figure 3**  
**A-TZ Wells-DNAPL Recovery Activities July 2018 - September 2024**  
**UPRR Houston Wood Preserving Works**



**Figure 5**  
**B-CZ/B-TZ Wells (North (On-site and Off-site)-DNAPL Recovery Activities July 2018 - September 2024**  
**UPRR Houston Wood Preserving Works**



**Figure 6**  
**B-CZ/B-TZ Wells (Englewood Intermodal Yard)-DNAPL Recovery Activities July 2018 - September 2024**  
**UPRR Houston Wood Preserving Works**

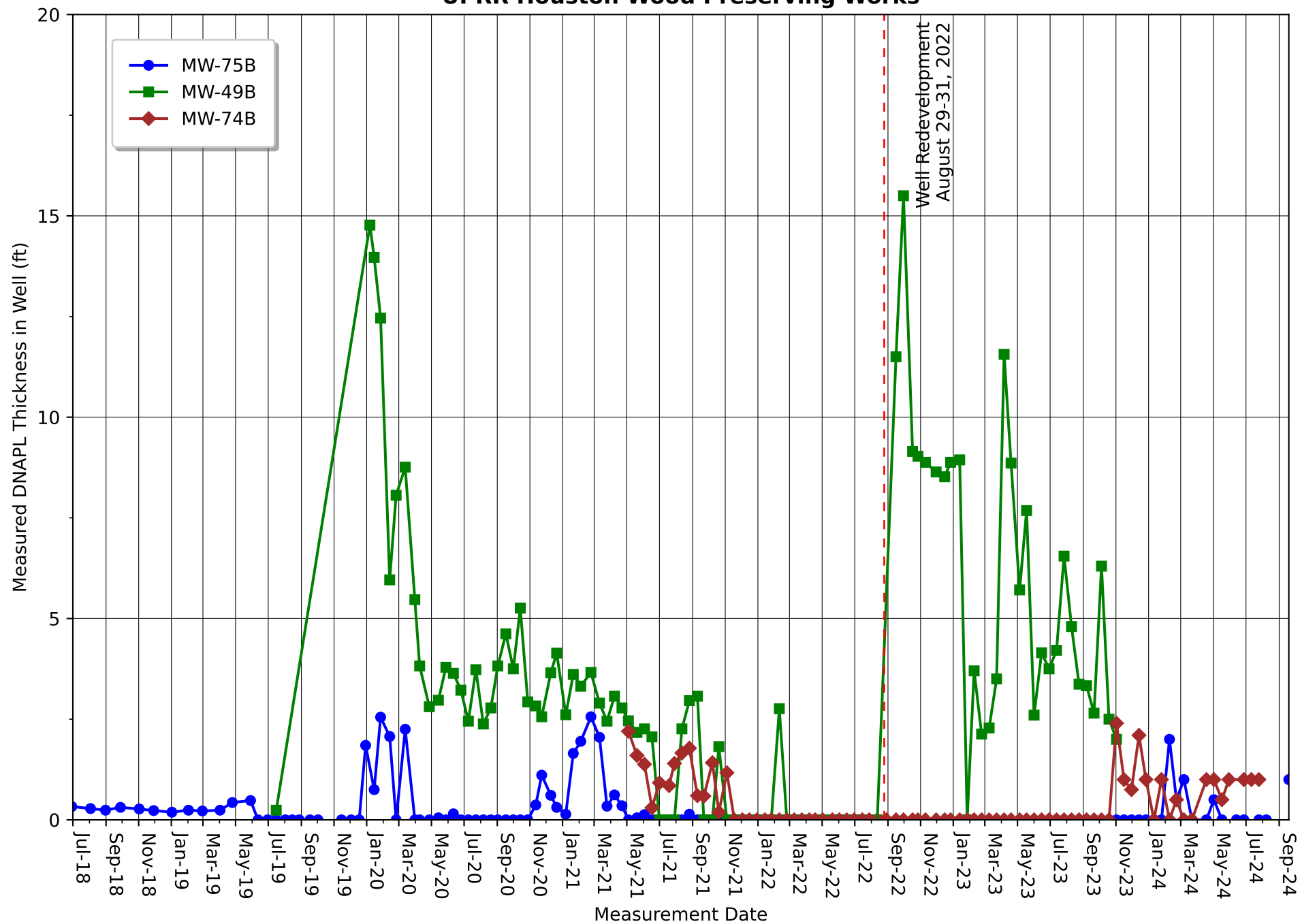
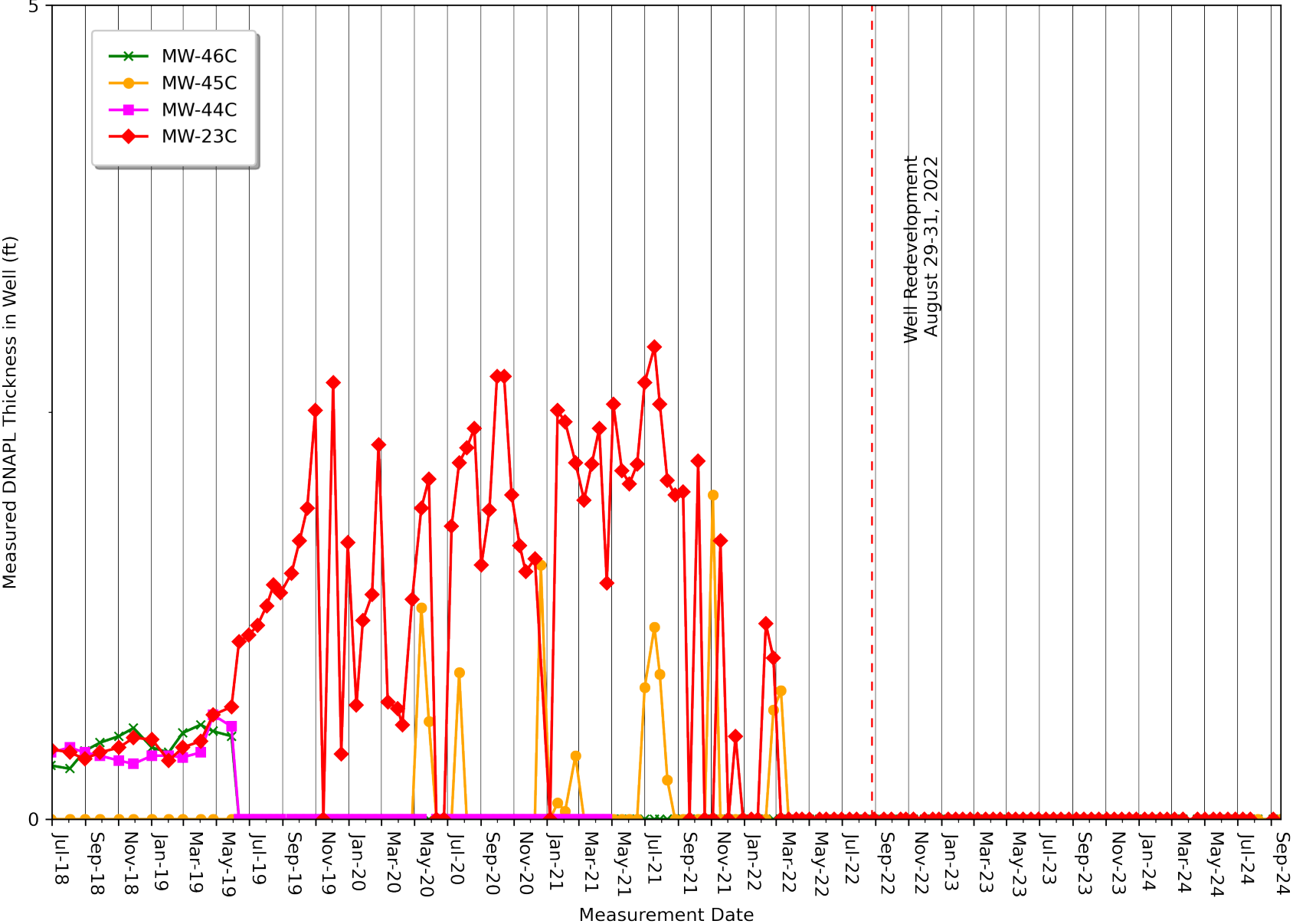
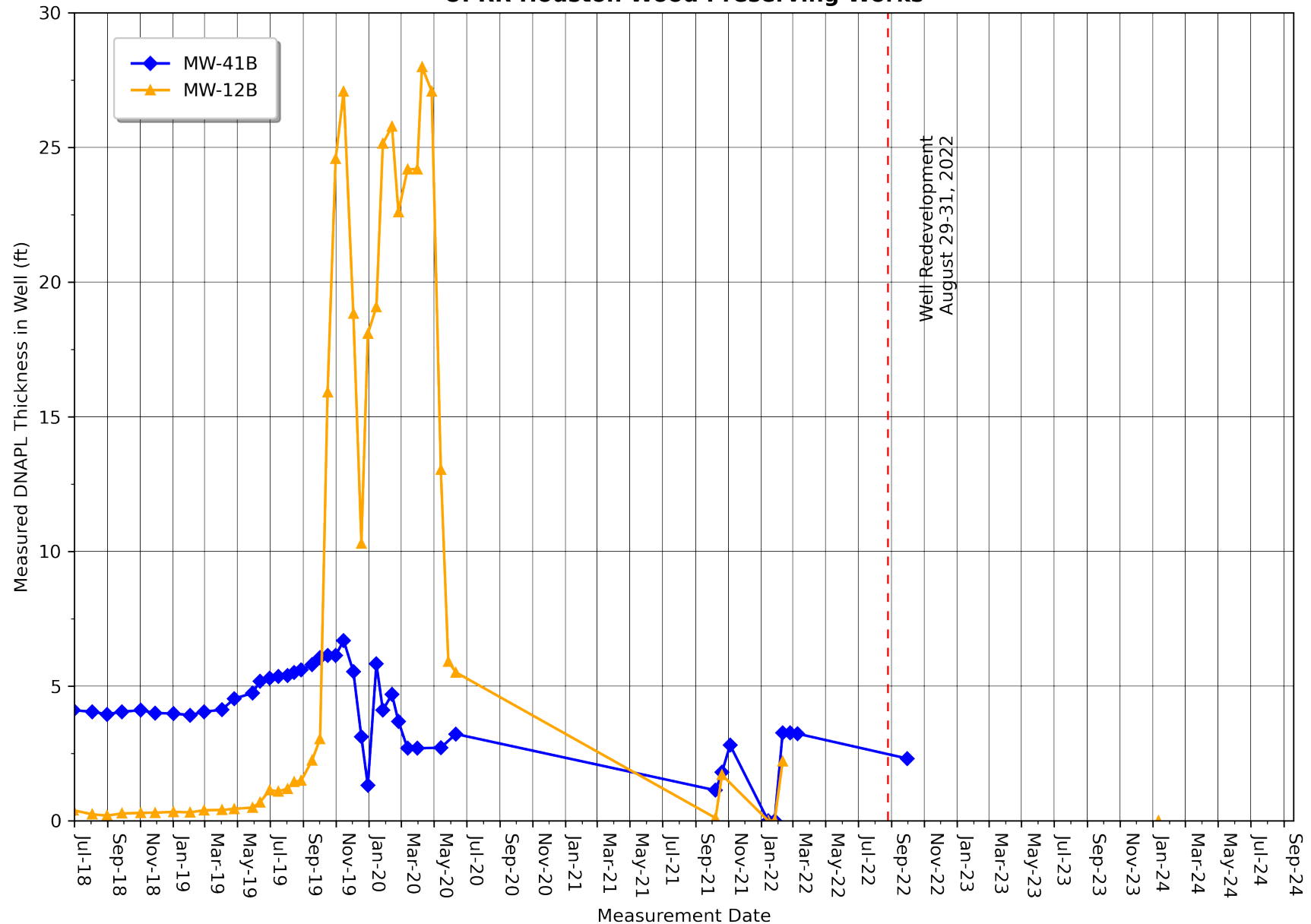


Figure 7  
C-TZ Wells-DNAPL Recovery Activities July 2018 - September 2024  
UPRR Houston Wood Preserving Works



Note: MW-44C damaged in October 2019

**Figure 4**  
**B-TZ Wells (West Side)-DNAPL Recovery Activities July 2018 - September 2024**  
**UPRR Houston Wood Preserving Works**



Note: DNAPL has been below top of in-well pumps for a majority of recovery events since the 3<sup>rd</sup> Q 2020 (not measurable).

**ATTACHMENT 1**

## Recovered DNAPL Waste Manifest

Please print or type.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                |                |                                               |                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------|----------------------------------------------|
| <b>UNIFORM HAZARDOUS WASTE MANIFEST</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 1. Generator ID Number<br>TXD000820266                                                                         | 2. Page 1 of 1 | 3. Emergency Response Phone<br>(888) 877-7267 | 4. Manifest Tracking Number<br>026660631 JJK |
| 5. Generator's Name and Mailing Address<br>Union Pacific Railroad (UPRR) c/o GHD-Attn: Manifest Receiving<br>9100 Centre Pointe Drive Suite # 240<br>West Chester, OH 45069 (414) 267-4164                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                |                |                                               |                                              |
| Generator's Site Address (if different than mailing address)<br>Union Pacific Railroad (UPRR)<br>4910 Liberty Road<br>Houston, TX 77026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                |                |                                               |                                              |
| 6. Transporter 1 Company Name<br>Enhanced Environmental & Emergency Services, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                |                | U.S. EPA ID Number<br>TXR000083939            |                                              |
| 7. Transporter 2 Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                |                | U.S. EPA ID Number                            |                                              |
| 8. Designated Facility Name and Site Address<br>US Ecology<br>3277 County Rd 69<br>Brown, TX 78380 (800) 242-3209                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                |                | U.S. EPA ID Number<br>TXD069452340            |                                              |
| 9a. HM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) |                | 10. Containers<br>No. Type                    | 11. Total Quantity                           |
| 1. X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | 1. Q, NA3082, Hazardous Waste, Liquid, n.o.s. (creosote, benzene), 9, PG III (F034)                            |                | 1. DM                                         | P                                            |
| 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                |                |                                               |                                              |
| 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                |                |                                               |                                              |
| 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                |                |                                               |                                              |
| 13. Waste Codes<br>F034 0918219H<br>D018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                |                |                                               |                                              |
| 14. Special Handling Instructions and Additional Information<br>1. WRM 020000 Frontier 090130010-0 EXP: 4/08/25<br>Bill to: E3 Environmental- PO Box 7, Clinton, MS 39060<br>Email invoices: e3admin@e3enviro.com/claraque@e3enviro.com<br>Job#: 135-24-0<br>PO#: 35-2024-                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                |                |                                               |                                              |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.<br>I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. |  |                                                                                                                |                |                                               |                                              |
| Generator's/Offeror's Printed/Typed Name<br>Jared Tyson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                |                | Signature<br>[Signature]                      | Month Day Year<br>10 12 24                   |
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                |                |                                               |                                              |
| 17. Transporter Acknowledgment of Receipt of Materials<br>Transporter 1 Printed/Typed Name<br>Juan Navarro Signature [Signature] Month Day Year 10 18 24<br>Transporter 2 Printed/Typed Name Signature Month Day Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                |                |                                               |                                              |
| 18. Discrepancy<br>18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection<br>Manifest Reference Number: U.S. EPA ID Number<br>18b. Alternate Facility (or Generator) U.S. EPA ID Number<br>Facility's Phone:<br>18c. Signature of Alternate Facility (or Generator) Month Day Year                                                                                                                                                                                                                                                                          |  |                                                                                                                |                |                                               |                                              |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)<br>1. 2. 3. 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                |                |                                               |                                              |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a<br>Printed/Typed Name Signature Month Day Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                |                |                                               |                                              |

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Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                | 1. Generator ID Number                                       | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number |                 |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------|-----------------------------|-----------------------------|-----------------|----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                | TXD000820266                                                 | 1            | (888) 877-7267              | 026660633 JJK               |                 |          |
| 5. Generator's Name and Mailing Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                | Generator's Site Address (if different than mailing address) |              |                             |                             |                 |          |
| Union Pacific Railroad (UPRR) c/o GHD-Attn: Manifest Receiving                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                | Union Pacific Railroad (UPRR)                                |              |                             |                             |                 |          |
| 9100 Centre Pointe Drive Suite # 240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                | 4910 Liberty Road                                            |              |                             |                             |                 |          |
| West Chester, OH 45069 (414) 267-4164                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                | Houston, TX 77026                                            |              |                             |                             |                 |          |
| 6. Transporter 1 Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                | U.S. EPA ID Number                                           |              |                             |                             |                 |          |
| Enhanced Environmental & Emergency Services, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                | TXR000083939                                                 |              |                             |                             |                 |          |
| 7. Transporter 2 Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                | U.S. EPA ID Number                                           |              |                             |                             |                 |          |
| 8. Designated Facility Name and Site Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                | U.S. EPA ID Number                                           |              |                             |                             |                 |          |
| US Ecology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                | TXD069452340                                                 |              |                             |                             |                 |          |
| 3277 County Rd 69                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Crown, TX 78380 (800) 242-3209                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Facility's Phone:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 9a. HM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers                                               |              | 11. Total Quantity          | 12. Unit Wt./Vol.           | 13. Waste Codes |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                | No.                                                          | Type         |                             |                             |                 |          |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NA3077, Hazardous Waste, Solid, n.o.s.(creosote), PG III (F034)                                                | 1                                                            | DM           | 15                          | P                           | F034            | 0917406H |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                                              |              |                             |                             | K001            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                                              |              |                             |                             |                 |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                                              |              |                             |                             |                 |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                                              |              |                             |                             |                 |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 14. Special Handling Instructions and Additional Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 1. WRM 013922/Promer 090128940-0 EXP: 3/03/25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Bill to: E3 Environmental- PO Box 7, Clinton, MS 39060                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Email invoices: e3admin@e3enviro.com/claraque@e3enviro.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Job#: 135-24-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                |                                                              |              |                             |                             |                 |          |
| PO#: 35-2024-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Generator's/Offeror's Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                | Signature                                                    |              | Month                       |                             | Day             | Year     |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                | X                                                            |              | 10                          |                             | 17              | 24       |
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Transporter signature (for exports only):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 17. Transporter Acknowledgment of Receipt of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Transporter 1 Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                | Signature                                                    |              | Month                       |                             | Day             | Year     |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                | X                                                            |              | 10                          |                             | 18              | 24       |
| Transporter 2 Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                | Signature                                                    |              | Month                       |                             | Day             | Year     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 18. Discrepancy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Manifest Reference Number: U.S. EPA ID Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 18b. Alternate Facility (or Generator)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Facility's Phone:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 18c. Signature of Alternate Facility (or Generator)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Month Day Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                | 2.                                                           |              | 3.                          |                             | 4.              |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                                              |              |                             |                             |                 |          |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                |                                                              |              |                             |                             |                 |          |
| Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                | Signature                                                    |              | Month                       |                             | Day             | Year     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                                              |              |                             |                             |                 |          |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------|------------------------------------------------------|-----------------------------------------------------|-------------------|
| <b>UNIFORM HAZARDOUS WASTE MANIFEST</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                | 1. Generator ID Number<br><b>TXD000820266</b> | 2. Page 1 of <b>1</b> | 3. Emergency Response Phone<br><b>(888) 877-7267</b> | 4. Manifest Tracking Number<br><b>026660634 JJK</b> |                   |
| 5. Generator's Name and Mailing Address<br><b>Union Pacific Railroad (UPRR) c/o GHD-Attn: Manifest Receiving</b><br><b>9100 Centre Pointe Drive Suite # 240</b><br><b>West Chester, OH 45069</b> (414) 267-4164                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Generator's Site Address (if different than mailing address)<br><b>4910 Liberty Road</b><br><b>Houston, TX 77026</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 6. Transporter 1 Company Name<br><b>Enhanced Environmental &amp; Emergency Services, Inc.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| U.S. EPA ID Number<br><b>TXR000083939</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 7. Transporter 2 Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| U.S. EPA ID Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 8. Designated Facility Name and Site Address<br><b>US Ecology</b><br><b>3277 County Rd 69</b><br><b>Houston, TX 78380</b> (800) 242-3209                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| U.S. EPA ID Number<br><b>TXD069452340</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 9a. HM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) |                                               |                       | 10. Containers<br>No. Type                           | 11. Total Quantity                                  | 12. Unit Wt./Vol. |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HA3082, Hazardous waste, liquid, n.o.s. (Creosote), 9, III RQ(F034) ERG #171                                   |                                               |                       | 4 DM                                                 | 650                                                 | P                 |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 13. Waste Codes<br><b>F034 0914101H</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 14. Special Handling Instructions and Additional Information<br><b>Job#: 135-24-0</b><br><b>PO#: 35-2024-</b><br><b>Bill to: E3 Environmental- PO Box 7, Clinton, MS 39060</b><br><b>Email invoices: e3admin@e3enviro.com/claraque@e3enviro.com</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Generator's/Officer's Printed/Typed Name<br><b>David Boyson</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Signature<br><i>[Signature]</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Month Day Year<br><b>9 17 24</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 17. Transporter Acknowledgment of Receipt of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Transporter 1 Printed/Typed Name<br><b>Juan Navarro</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Signature<br><i>[Signature]</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Month Day Year<br><b>10 18 24</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Transporter 2 Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Month Day Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 18. Discrepancy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Manifest Reference Number: _____ U.S. EPA ID Number _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 18b. Alternate Facility (or Generator)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Facility's Phone: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 18c. Signature of Alternate Facility (or Generator)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Month Day Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 1. _____ 2. _____ 3. _____ 4. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Printed/Typed Name _____ Signature _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                |                                               |                       |                                                      |                                                     |                   |
| Month Day Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                |                                               |                       |                                                      |                                                     |                   |