July 22, 2026 Project No. US0039040.3990

Mr. Jerry 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 – 1ST QUARTER 2026
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), prepared this 1st Quarter 2026 summary report for the dense non-aqueous phase liquid (DNAPL) recovery activities conducted at the UPRR Houston Wood Preserving Works Facility (the Site). Below is a summary of the DNAPL recovery activities for the 1st Quarter 2026:

DNAPL Recovery Summary 1st Quarter 2026

- The presence of DNAPL was checked in the selected monitoring wells bi-monthly during the 1st Quarter 2026. During the bi-monthly gauging events, DNAPL was recovered from nine of the selected wells during at least one gauging event during the 1st Quarter 2026.
- An average of 5 gallons of DNAPL were recovered per recovery event, and approximately 38.4 gallons were recovered during the 1st Quarter 2026. Most of the recovered DNAPL was recovered from newly installed replacement well MW-49BR.
- From February 2013 to March 2026, an estimated 1,175 gallons of DNAPL have been recovered from the wells at the Site.

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, 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.

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

WSP USA Inc.
1601 S Mopac Expy
Suite 325D
Austin, Texas 78746

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Well Name	Zone
MW-49A	A-TZ
MW-57A	A-TZ
MW-78A	A-TZ
MW-12B	B-TZ
MW-32B	B-CZ
MW-33BR	B-CZ
MW-41B	B-TZ
MW-49B/MW-49BR	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/MW-44CR	C-TZ
MW-45C	C-TZ
MW-46C	C-TZ

The locations of the monitoring wells used for 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. 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. An additional pump was installed in MW-49BR, which was installed in December 2025 to replace well MW-49B. The volume of recovered DNAPL is estimated from each well based on the volume pumped; then, the well is gauged to measure the total depth of the well and depth to DNAPL following pumping. Recovered DNAPL from 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.

1st Quarter 2026 DNAPL Recovery Activities

A summary of the DNAPL recovery measurements from February 2013 through March 2026 is provided in Table 1. DNAPL thicknesses listed on the table and referenced in this letter are “in-well thicknesses”. A graph of DNAPL thicknesses measured prior to each recovery effort over time from February 2013 through March 2026 is presented on Figure 2, with individual graphs for each zone and/or portion of the Site (Figures 3 through 7) discussed below. Observations from the 1st Quarter gauging and recovery activities are provided below for each of the groundwater bearing units (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 March 2026 shown on Figure 3).

Recovery Well	DNAPL Measured & Thickness Range (ft)	DNAPL Recovered (approx. volume)	Comment
MW-49A	Yes, 0.3 feet	0.3 gal	Only detected on March 12
MW-57A	No	None	
MW-78A	No	None	

- 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 March 2026 shown on Figure 4).

Recovery Well	DNAPL Measured & Thickness Range (ft)	DNAPL Recovered (approx. volume)	Comment
MW-12B	*No	0.2 gal	
MW-41B	*No	0.4 gal	

* - Depth to groundwater/DNAPL interface below top of pneumatic pump, which restricts access to bottom of well.

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 March 2026 shown on Figure 5).

Recovery Well	DNAPL Measured & Thickness Range (ft)	DNAPL Recovered (approx. volume)	Comment
MW-32B	Yes, 0.1 to 2.92 feet	0.7 gal	
MW-33BR	No	None	
MW-57B	No	None	
MW-68B	Yes, 0.53 feet	0.1 gal	Only detected on January 15th
MW-70B	Yes, 0.18 to 0.63 feet	0.4 gal	

- B-TZ/B-CZ Wells (Englewood Intermodal Yard): Recovery wells MW-49BR, 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 March 2026 shown on Figure 6).

Recovery Well	DNAPL Measured & Thickness Range (ft)	DNAPL Recovered (approx. volume)	Comment
MW-49BR	Yes, 12.59 to 19.44 feet	33.2 gal	
MW-74B	No	None	

Recovery Well	DNAPL Measured & Thickness Range (ft)	DNAPL Recovered (approx. volume)	Comment
MW-75B	Yes, 0.35 to 4.53 feet	2.7 gal	

- C-TZ Wells: Wells MW-23C, MW-34CR, MW-44CR, MW-45C, and MW-46C completed in the C-TZ were evaluated for DNAPL recovery (graph of DNAPL thickness from July 2018 through March 2026 shown on Figure 7).

Recovery Well	DNAPL Measured & Thickness Range (ft)	DNAPL Recovered (approx. volume)	Comment
MW-23C	Yes, 0.01 to 1.96 feet	0.5 gal	
MW-34CR	No	None	
MW-44CR	No	None	Replacement well in Dec 2025
MW-45C	Yes, 0.08 feet	None	Only detected on March 12th
MW-46C	No	None	

DNAPL Recovery: From February 2013 to March 2026, an estimated 1,175 gallons of 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 (Figure 7). Fourteen of the DNAPL wells were redeveloped in April 2026.The results of the redevelopment event will be discussed in the 2nd Quarter 2026 DNAPL Recovery Report.

During the 1st Quarter 2026, an average of approximately 5 gallons of DNAPL were recovered per semi-monthly event. Approximately 38.4 gallons were recovered during the 1st Quarter 2026 (Table 1), most of which were recovered from newly installed replacement well MW-49BR. UPRR will continue to monitor the DNAPL thicknesses twice per month as described in the response to the TCEQ 4th 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/Technical Director



07/22/26

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 – March 26, 2026
Figure 2 – DNAPL Recovery Activities February 2013 – March 2026
Figure 3 – A-TZ Wells – DNAPL Recovery Activities July 2018 – March 2026
Figure 4 – B-TZ Wells (West Side) – DNAPL Recovery Activities July 2018 – March 2026
Figure 5 – B-CZ/B-TZ Wells (North (On-Site and Off-Site) – DNAPL Recovery Activities July 2018 – March 2026
Figure 6 – B-CZ/B-TZ Wells (Englewood Intermodal Yard) – DNAPL Recovery Activities July 2018 – March 2026
Figure 7 – C-TZ Wells – DNAPL Recovery Activities July 2018 – March 2026

TABLE

TABLE 1

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

	MW-12B				MW-23C				MW-32B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
2/14/2013	9.06	39.87	5.93	2.5	NM	NM	NM	--	6.01	30.06	6.23	2
4/3/2013	9.41	39.95	5.85	1.0	NM	NM	NM	--	4.86	33.61	2.68	1
4/22/2013	8.61	31.64	14.16	0.5*	NM	NM	NM	--	5.62	36.08	0.21	0.3
5/30/2013	8.47	37.62	8.18	1.5*	NM	NM	NM	--	5.86	32.21	4.08	2
6/29/2013	9.62	38.22	7.58	1.5	NM	NM	NM	--	6.79	33.59	2.7	1.5
7/22/2013	11.16	39.04	6.76	1.0	NM	NM	NM	--	7.14	33.91	2.38	1.5
8/26/2013	11.31	39.61	6.19	1.0	NM	NM	NM	--	7.48	33.83	2.46	1
9/27/2013	11.17	40.63	5.17	1.0	NM	NM	NM	--	7.23	34.39	1.9	1
10/31/2013	11.09	43.71	2.09	1.0	NM	NM	NM	--	7.16	34.96	1.33	0.5
11/27/2013	11.17	44.06	1.74	1.0	NM	NM	NM	--	7.29	35.03	1.26	0.5
12/31/2013	11.02	44.62	1.18	1.0	NM	NM	NM	--	7.16	35.16	1.13	0.5
1/30/2014	11.34	45.12	0.68	1.0	NM	NM	NM	--	6.72	34.82	1.47	0.5
3/3/2014	11.17	44.32	1.48	1.0	NM	NM	NM	--	6.53	34.52	1.77	0.5
3/31/2014	11.03	44.53	1.27	1.0	NM	NM	NM	--	6.29	34.21	2.08	0.5
4/30/2014	10.92	44.26	1.54	1.0	NM	NM	NM	--	6.42	34.67	1.62	0.5
5/27/2014	10.81	44.34	1.46	1.0	NM	NM	NM	--	6.36	34.72	1.57	0.5
6/26/2014	10.72	44.61	1.19	1.0	NM	NM	NM	--	6.21	34.61	1.68	0.5
7/31/2014	10.13	44.96	0.84	1.0	NM	NM	NM	--	6.06	34.33	1.96	0.3
8/27/2014	10.26	45.12	0.68	1.0	NM	NM	NM	--	6.18	34.98	1.31	0.3
10/3/2014	10.17	44.91	0.89	1.0	NM	NM	NM	--	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	--	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

	MW-12B				MW-23C				MW-32B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (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	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	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	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	ND	--	3.47	35.7	0.7	1
12/3/2019	7.55	27.37	18.83	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	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	26.48	76.1	1.7	0.1	5.04	34.28	2.12	1.5
1/7/2020	NM	NM	NM	--	NM	NM	NM	--	NM	NM	NM	--
1/15/2020	7.47	27.12	19.08	0	26.49	77.1	0.7	0	4.1	35.4	1	1
1/27/2020	6.28	21.06	25.14	0	25.99	76.58	1.22	0	3.01	31.15	5.25	1
2/13/2020	6.91	20.42	25.78	0	25.51	76.42	1.38	0	3.88	31.39	5.01	1
2/25/2020	6.4	23.6	22.6	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	25.66	77.08	0.72	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	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	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	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	ND	--	5.89	35.01	1.39	0.3
6/25/2020	9.01	BP	NM	2.0	25.89	77.94	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	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	--	3.89	32.82	3.58	1.0
1/7/2021	5.01	BP	NM	1.0	25.85	ND	ND	--	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

	MW-12B				MW-23C				MW-32B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (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	ND	--	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	ND	--	4.82	32.82	3.58	1.2
11/4/2021	6.03	BP	NM	0	25.57	ND	ND	--	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	ND	--	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	TR	0	4.22	33.63	2.37	1.5
1/14/2022	6.26	ND	TR	0	25.92	ND	TR	0	4.31	33.74	2.26	1.5
1/26/2022	6.32	ND	TR	0	26.01	ND	TR	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	ND	--	5.03	34.6	1.40	0.5
3/24/2022	6.83	BP	NM	0	26.55	ND	ND	--	5.33	35.07	0.93	0.3
4/7/2022	6.98	BP	NM	0.1	26.51	ND	ND	--	4.48	35.51	0.53	0.3
4/18/2022	7.49	BP	NM	0.8	26.72	ND	ND	--	4.77	35.46	0.54	0.5
5/2/2022	7.95	BP	NM	1.0	26.89	ND	TR	0	5.12	35.33	0.57	0.5
5/20/2022	6.72	BP	NM	1.0	26.39	ND	ND	--	5.21	35.21	0.84	0.5
6/2/2022	6.81	BP	NM	1.0	26.31	ND	ND	--	5.39	35.34	0.71	0.5
6/16/2022	9.85	BP	NM	0.5	27.62	ND	TR	0	5.20	35.50	0.35	0.3
6/30/2022	9.91	BP	NM	0.25	27.98	ND	ND	--	6.97	ND	TR	0.1
7/15/2022	6.89	BP	NM	1.0	27.87	ND	ND	--	6.26	35.31	0.69	0.5
7/28/2022	6.96	BP	NM	1.0	27.96	ND	ND	--	6.39	35.21	0.79	0.5
8/12/2022	9.10	BP	NM	0.1	28.28	PoP	TR	0	6.92	34.15	1.85	NM
8/29/2022	8.56	BP	NM	0.5	26.56	ND	ND	--	5.52	35.52	0.53	0.5
9/16/2022	8.30	BP	NM	0.5	27.70	ND	ND	--	5.20	31.00	5.05	0.5
9/30/2022	9.80	BP	NM	0.25	28.00	ND	ND	--	6.40	28.50	7.55	3.0
10/17/2022	11.52	BP	NM	0.25	28.32	ND	ND	--	7.10	27.35	8.70	2.0
10/27/2022	11.79	BP	NM	0.25	28.74	ND	ND	--	7.49	28.91	7.14	2.0
11/10/2022	11.47	BP	NM	0.25	28.51	ND	ND	--	7.22	28.96	7.09	2.0
11/30/2022	7.49	BP	NM	0.25	26.21	ND	ND	--	3.76	29.31	6.74	1.5
12/16/2022	7.36	BP	NM	0.25	26.06	ND	ND	--	3.52	29.26	6.79	1.5
12/27/2022	7.59	BP	NM	0.25	25.67	ND	ND	--	3.71	29.21	6.84	1.5
1/13/2023	8.06	BP	NM	0.25	26.29	ND	ND	--	4.06	29.29	6.76	1.5
1/27/2023	5.57	BP	NM	0.25	26.97	ND	ND	--	3.67	29.72	6.33	1.0
2/9/2023	5.6	BP	NM	0.10	26.52	ND	ND	--	3.74	NM	NM	--
2/23/2023	6.42	BP	NM	0.25	26.56	ND	ND	--	4.28	29.93	6.12	1.5
3/9/2023	6.52	BP	NM	0.25	26.46	ND	ND	--	4.17	29.86	6.19	1.5
3/23/2023	7.25	BP	NM	0.25	27.50	ND	ND	--	4.70	31.50	4.55	1.5
4/6/2023	6.63	BP	NM	0.25	26.53	ND	ND	--	5.06	31.67	4.38	1.5
4/19/2023	6.55	BP	NM	0.25	27.00	ND	ND	--	4.31	31.00	5.05	1.5
5/5/2023	6.81	BP	NM	0.25	26.78	ND	ND	--	5.29	31.77	4.28	1.5
5/18/2023	5.22	BP	NM	0.25	26.15	ND	ND	--	1.98	32.18	3.87	0.5
6/1/2023	7.85	BP	NM	0.10	26.32	ND	ND	--	4.20	32.80	3.25	0.5
6/15/2023	7.88	BP	NM	0.10	26.62	ND	ND	--	4.52	33.23	2.82	0.50
6/29/2023	9.05	BP	NM	0.10	27.18	ND	ND	--	5.57	33.45	2.50	0.10
7/13/2023	8.90	BP	NM	TR	19.34	ND	ND	--	5.33	33.50	3.41	0.50
7/27/2023	10.02	BP	NM	TR	27.75	ND	ND	--	6.50	34.60	1.37	TR
8/10/2023	10.90	BP	NM	0.25	28.26	ND	ND	--	6.97	33.30	2.70	0.75
8/24/2023	11.28	BP	NM	TR	29.37	ND	ND	--	7.80	34.22	1.98	0.25
9/7/2023	11.36	BP	NM	0.10	29.48	ND	ND	--	7.91	35.01	1.09	0.25
9/21/2023	12.00	BP	NM	0	29.18	ND	ND	--	7.80	35.80	0.30	0.30
10/5/2023	9.00	BP	NM	TR	29.10	ND	ND	--	7.00	7.40	0.40	0.25
10/19/2023	10.15	BP	NM	0.10	28.88	ND	ND	--	6.60	34.60	1.50	0.15
11/2/2023	9.75	BP	NM	0.25	28.90	ND	ND	--	6.87	35.10	1.00	0.20

TABLE 1

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

	MW-12B				MW-23C				MW-32B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
11/16/2023	8.80	BP	NM	0.40	28.85	ND	ND	--	5.88	34.60	1.50	0.30
11/30/2023	9.85	BP	NM	TR	28.70	ND	ND	--	6.68	34.00	2.00	0.10
12/14/2023	5.92	BP	NM	TR	27.45	ND	ND	--	6.20	34.60	1.50	0.10
12/27/2023	7.30	BP	NM	TR	28.20	ND	ND	--	5.00	35.00	1.00	TR
1/11/2024	5.76	PoP	TR	TR	27.58	ND	ND	--	3.42	PoP	TR	0.10
1/25/2024	7.20	BP	NM	TR	27.20	ND	ND	--	1.36	ND	ND	--
2/9/2024	5.80	BP	NM	TR	26.58	ND	ND	--	4.42	35.10	1.00	TR
2/22/2024	6.45	BP	NM	0.20	26.37	ND	ND	--	4.56	35.00	1.00	TR
3/7/2024	7.45	BP	NM	0.30	26.65	ND	ND	--	5.07	35.20	1.00	0.20
3/22/2024	5.51	BP	NM	TR	23.00	PoP	TR	0	4.43	35.08	1.00	0.25
4/18/2024	7.21	BP	NM	TR	26.47	ND	ND	--	5.95	35.00	1.10	0.10
5/2/2024	7.56	BP	NM	0.10	26.55	ND	ND	--	5.09	PoP	TR	0
5/17/2024	6.41	BP	NM	0.10	25.90	ND	ND	--	3.65	35.00	1.00	0.20
5/30/2024	5.71	BP	NM	TR	25.95	ND	ND	--	3.40	35.70	0.50	0.10
6/13/2024	6.73	BP	NM	0.10	25.80	ND	ND	--	4.00	35.20	1.00	0.20
6/27/2024	7.21	BP	NM	0.10	25.99	ND	ND	--	4.55	PoP	TR	0
7/11/2024	5.82	BP	NM	0.10	25.76	ND	ND	--	2.55	35.60	0.50	0.10
7/25/2024	5.45	BP	NM	0.10	18.70	ND	ND	--	4.32	35.50	0.50	0.20
8/8/2024	6.90	BP	NM	TR	25.04	PoP	TR	0	5.39	35.20	1.00	0.25
9/5/2024	9.05	BP	NM	0.10	26.15	ND	ND	--	5.13	34.70	1.50	0.30
9/19/2024	9.72	BP	NM	TR	26.60	PoP	TR	0	5.50	35.40	0.70	0.10
10/4/2024	10.45	BP	NM	TR	27.03	PoP	TR	0	6.45	35.50	0.50	TR
10/17/2024	11.07	BP	NM	TR	27.58	ND	ND	--	7.45	PoP	TR	TR
10/31/2024	11.50	BP	NM	TR	27.95	PoP	TR	0	7.42	PoP	TR	TR
11/15/2024	10.45	BP	NM	TR	28.04	ND	ND	--	7.08	35.05	2.00	0.25
12/3/2024	10.36	BP	NM	TR	28.20	ND	ND	--	6.37	PoP	TR	TR
12/12/2024	10.22	BP	NM	TR	28.22	ND	ND	--	6.56	34.10	2.00	0.40
12/26/2024	9.01	BP	NM	0.20	28.08	ND	ND	--	5.76	PoP	TR	0.25
1/9/2025	7.88	BP	NM	0	DRY	ND	ND	--	4.85	ND	ND	--
1/23/2025	6.62	BP	NM	0.25	27.34	ND	ND	--	4.48	34.50	1.68	0.33
2/6/2025	6.06	BP	NM	0	26.78	ND	ND	--	3.51	35.70	0.34	0.10
2/22/2025	6.62	BP	NM	0.25	26.41	ND	ND	--	3.34	35.10	0.85	0.25
3/6/2025	5.92	BP	NM	0.25	26.02	23.42	1.67	0.25	3.66	35.55	0.48	0.15
3/25/2025	6.80	BP	NM	0.25	26.27	75.08	0.03	0	4.53	35.34	0.69	0.15
4/3/2025	6.32	BP	NM	0.15	26.24	73.22	1.89	0.30	4.08	35.38	0.64	0.30
4/17/2025	7.08	BP	NM	0.25	26.05	73.20	1.91	0.30	4.18	35.35	0.68	0.10
5/1/2025	7.21	BP	NM	0.10	26.12	73.24	1.86	0.10	4.43	35.80	0.25	0.23
5/15/2025	6.40	BP	NM	0.20	25.58	74.29	0.81	0.15	3.95	35.93	0.10	0
5/29/2025	6.68	BP	NM	0.25	26.13	73.05	TR	0	4.20	35.09	0.94	0.15
6/12/2025	4.90	BP	NM	0.25	25.87	ND	TR	0	3.55	35.97	0.06	0
6/26/2025	4.56	BP	NM	0.25	25.44	74.97	0.13	0	2.78	35.40	0.63	0
7/10/2025	5.69	BP	NM	0.25	25.22	74.99	0.11	0	3.23	35.75	0.28	TR
7/24/2025	7.93	BP	NM	0.25	25.53	ND	ND	--	5.14	34.34	1.69	0.30
8/7/2025	7.80	BP	NM	0.25	25.79	75.02	0.09	0	4.33	ND	ND	--
8/21/2025	8.91	BP	NM	0.25	26.22	ND	ND	--	4.97	35.03	1.00	0.20
9/4/2025	6.11	BP	NM	0.25	26.38	75.06	0.05	0	4.63	34.60	1.35	0.25
9/18/2025	6.16	BP	NM	0.20	26.47	75.04	0.10	0	4.69	35.40	0.55	0
10/2/2025	8.48	BP	NM	0.25	26.85	ND	ND	--	5.08	34.61	1.42	0.25
10/16/2025	9.45	BP	NM	0.15	27.10	ND	ND	--	5.49	34.30	1.65	0.20
10/30/2025	6.01	BP	NM	0.10	27.43	ND	ND	--	5.96	35.40	0.46	0
11/13/2025	10.21	BP	NM	0.20	27.65	ND	ND	--	6.35	34.94	0.93	0.20
11/20/2025	10.40	BP	NM	0.25	27.83	ND	ND	--	6.81	35.49	0.38	0.06
12/4/2025	7.48	BP	NM	0.25	27.82	ND	ND	--	5.58	35.28	0.61	0.10
12/18/2025	7.95	BP	NM	0.25	27.63	74.83	0.02	0	4.94	35.19	0.61	0.10
12/31/2025	8.67	BP	NM	0.25	27.84	74.83	0.02	0	5.33	35.55	0.25	0.04

TABLE 1

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

	MW-12B				MW-23C				MW-32B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
1/15/2026	9.00	BP	NM	0	24.25	ND	TR	0	5.80	35.70	0.10	0.01
1/29/2026	6.33	BP	NM	0.05	27.83	74.87	0.01	0	4.40	35.16	0.74	0.12
2/12/2026	4.92	BP	NM	0.01	27.40	73.02	1.96	0.32	4.50	35.64	0.21	0.01
2/18/2026	NM	NM	NM	--	NM	NM	NM	--	NM	NM	NM	--
2/26/2026	6.32	BP	NM	0	27.25	73.85	1.37	0.22	8.82	34.90	0.24	0.06
3/12/2026	4.63	BP	NM	0.10	26.65	PoP	TR	0	2.34	33.13	2.79	0.04
3/26/2026	6.60	BP	NM	0.06	26.40	ND	ND	--	3.81	32.98	2.92	0.44
3/31/2026	7.41	BP	NM	0.01	26.55	ND	ND	--	NM	NM	NM	--
Total DNAPL Pumped (gal)				***163.6***				***57.2***				***155.1***

Notes:

* - indicates DNAPL and groundwater mixture

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

--- - No DNAPL pumped

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

DTD - Depth to DNAPL (feet BTOC)

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

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

ND - Not detected

NM - Not measured

PoP - Product on probe, not measurable

TR - Trace amount of DNAPL measured and/or extracted

TABLE 1

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

	MW-33BR				MW-34C/MW-34CR (July 2014)				MW-41B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
2/14/2013	3.72	ND	ND	--	NM	NM	NM	--	8.91	41.1	3.71	3
4/3/2013	4.02	PoP	TR	0	NM	NM	NM	--	9.37	41.6	3.21	1.5
4/22/2013	3.63	ND	ND	--	NM	NM	NM	--	8.62	41.6	3.21	0.5*
5/30/2013	3.59	ND	ND	--	NM	NM	NM	--	8.73	34.16	10.65	2
6/29/2013	6.07	ND	ND	--	NM	NM	NM	--	9.72	37.12	7.69	2
7/22/2013	9.68	ND	ND	--	NM	NM	NM	--	10.31	39.29	5.52	1.5
8/26/2013	9.86	ND	ND	--	NM	NM	NM	--	10.09	34.55	10.26	2.5
9/27/2013	9.57	ND	ND	--	NM	NM	NM	--	9.63	37.29	7.52	2
10/31/2013	9.32	ND	ND	--	21.63	NM	NM	--	9.52	38.16	6.65	2
11/27/2013	9.16	ND	ND	--	NM	NM	NM	--	9.57	38.39	6.42	2
12/31/2013	8.97	ND	ND	--	NM	NM	NM	--	9.42	39.36	5.45	2
1/30/2014	7.41	ND	ND	--	NM	NM	NM	--	9.06	39.17	5.64	2
3/3/2014	7.16	ND	ND	--	NM	NM	NM	--	8.62	38.06	6.75	2
3/31/2014	7.04	ND	ND	--	NM	NM	NM	--	8.52	37.74	7.07	2
4/30/2014	6.88	ND	ND	--	NM	NM	NM	--	8.36	37.21	7.6	2
5/27/2014	6.72	ND	ND	--	NM	NM	NM	--	8.26	37.29	7.52	2
6/26/2014	6.52	ND	ND	--	NM	NM	NM	--	8.02	37.47	7.34	2
7/31/2014	6.29	ND	ND	--	19.06	ND	ND	--	8.21	37.92	6.89	2
8/27/2014	6.47	ND	ND	--	18.96	ND	ND	--	8.07	38.29	6.52	1.5
10/3/2014	6.32	ND	ND	--	18.81	ND	ND	--	8.02	38.13	6.68	2
11/3/2014	NM	NM	NM	--	19.06	ND	ND	--	8.22	38.29	6.52	2
11/24/2014	NM	NM	NM	--	19.11	ND	ND	--	8.27	38.47	6.34	2
12/22/2014	NM	NM	NM	--	19.06	ND	ND	--	8.16	38.39	6.42	2
1/29/2015	NM	NM	NM	--	18.79	ND	ND	--	8.02	39.16	5.65	1.5
2/26/2015	NM	NM	NM	--	18.71	ND	ND	--	7.92	39.06	5.75	2.5
3/26/2015	NM	NM	NM	--	18..67	ND	ND	--	7.83	38.74	6.07	2.5
4/27/2015	NM	NM	NM	--	18.79	ND	ND	--	8.02	38.61	6.2	3
5/26/2015	NM	NM	NM	--	18.63	ND	ND	--	7.91	38.72	6.09	3
7/6/2015	NM	NM	NM	--	17.29	ND	ND	--	6.03	38.96	5.85	2.5
8/3/2015	NM	NM	NM	--	17.21	ND	ND	--	6.09	39.01	5.8	2.5
8/27/2015	NM	NM	NM	--	18.46	ND	ND	--	7.39	39.14	5.67	2
10/5/2015	NM	NM	NM	--	17.29	ND	ND	--	6.32	39.34	5.47	2
11/5/2015	NM	NM	NM	--	16.78	ND	ND	--	6.01	39.51	5.3	2
12/3/2015	NM	NM	NM	--	16.44	ND	ND	--	5.76	39.56	5.25	2
12/28/2015	NM	NM	NM	--	16.16	ND	ND	--	5.62	39.63	5.18	2.3
2/3/2016	NM	NM	NM	--	15.98	ND	ND	--	5.32	39.72	5.09	3
3/3/2016	NM	NM	NM	--	15.98	ND	ND	--	5.17	39.81	5	3
3/31/2016	NM	NM	NM	--	15.98	ND	ND	--	5.26	39.77	5.04	3
5/3/2016	NM	NM	NM	--	15.79	ND	ND	--	5.52	39.96	4.85	3
6/2/2016	NM	NM	NM	--	15.97	ND	ND	--	5.67	40.07	4.74	3
7/8/2016	NM	NM	NM	--	16.06	ND	ND	--	5.72	40.01	4.8	3
8/3/2016	NM	NM	NM	--	16.17	ND	ND	--	5.79	40.09	4.72	3
8/30/2016	NM	NM	NM	--	16.31	ND	ND	--	5.91	40.26	4.55	3
9/30/2016	NM	NM	NM	--	16.42	ND	ND	--	6.06	40.13	4.68	3
11/3/2016	NM	NM	NM	--	16.51	ND	ND	--	6.11	40.29	4.52	3
11/30/2016	NM	NM	NM	--	16.72	ND	ND	--	6.26	40.42	4.39	3
1/4/2017	NM	NM	NM	--	16.94	ND	ND	--	6.39	40.56	4.25	3
2/7/2017	NM	NM	NM	--	16.91	ND	ND	--	6.44	40.51	4.3	3
3/2/2017	NM	NM	NM	--	16.78	ND	ND	--	6.29	40.76	4.05	3
4/3/2017	NM	NM	NM	--	16.71	ND	ND	--	6.21	40.67	4.14	2.5
4/27/2017	NM	NM	NM	--	16.61	ND	ND	--	6.19	40.87	3.94	3
5/29/2017	NM	NM	NM	--	16.84	ND	ND	--	6.14	40.29	4.52	3
7/5/2017	NM	NM	NM	--	17.01	ND	ND	--	6.34	40.57	4.24	2.5
8/1/2017	NM	NM	NM	--	17.17	ND	ND	--	6.42	40.79	4.02	3
9/5/2017	NM	NM	NM	--	17.11	ND	ND	--	6.36	40.68	4.13	3
10/4/2017	NM	NM	NM	--	17.06	ND	ND	--	6.29	40.69	4.12	2.5
11/2/2017	NM	NM	NM	--	17.17	ND	ND	--	6.41	40.73	4.08	3
11/29/2017	NM	NM	NM	--	17.29	ND	ND	--	6.52	40.82	3.99	2.5
1/2/2018	NM	NM	NM	--	17.52	ND	ND	--	6.72	40.72	4.09	2.5
2/7/2018	NM	NM	NM	--	18.11	ND	ND	--	6.97	40.79	4.02	2.5
3/1/2018	NM	NM	NM	--	18.38	ND	ND	--	7.16	40.63	4.18	2
4/2/2018	NM	NM	NM	--	18.29	ND	ND	--	7.13	40.71	4.1	2
5/1/2018	NM	NM	NM	--	18.33	ND	ND	--	8.26	40.76	4.05	2

TABLE 1

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

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

TABLE 1

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

	MW-33BR				MW-34C/MW-34CR (July 2014)				MW-41B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
6/3/2021	NM	NM	NM	--	15.81	ND	ND	--	4.41	BP	NM	1.0
6/17/2021	NM	NM	NM	--	16.74	ND	ND	--	5.81	BP	NM	1.0
7/1/2021	NM	NM	NM	--	15.71	ND	ND	--	4.36	BP	NM	1.0
7/19/2021	NM	NM	NM	--	15.49	ND	ND	--	4.11	BP	NM	1.0
7/29/2021	NM	NM	NM	--	15.98	ND	ND	--	6.51	BP	NM	1.0
8/12/2021	NM	NM	NM	--	16.58	ND	ND	--	8.01	BP	NM	1.0
8/26/2021	NM	NM	NM	--	17.11	ND	ND	--	8.04	BP	NM	1.0
9/10/2021	NM	NM	NM	--	17.56	ND	ND	--	8.25	BP	NM	0.3
9/22/2021	5.32	ND	ND	--	17.32	ND	ND	--	5.66	BP	NM	0
10/8/2021	1.53	ND	ND	--	NM	NM	NM	--	1.34	43.68	1.13	0
10/20/2021	1.98	ND	ND	--	17.68	ND	ND	--	5.98	43.01	1.80	0
11/4/2021	3.56	ND	ND	--	NM	NM	NM	--	5.08	42.00	2.81	0.3
11/18/2021	NM	NM	NM	--	NM	NM	NM	--	5.92	BP	NM	0
12/3/2021	3.7	ND	ND	--	NM	NM	NM	--	6.57	BP	NM	0
12/16/2021	4.6	ND	ND	--	17.6	ND	ND	--	6.63	BP	NM	0
12/30/2021	4.29	ND	ND	--	17.52	ND	ND	--	5.21	BP	NM	0
1/14/2022	4.36	ND	ND	--	17.58	ND	ND	--	5.34	ND	TR	0
1/26/2022	4.43	ND	ND	--	17.66	ND	ND	--	5.42	ND	TR	0
2/10/2022	4.3	ND	ND	--	17.3	ND	ND	--	4.61	41.55	3.26	0.3
2/24/2022	4.25	ND	ND	--	17.42	ND	ND	--	5.6	41.55	3.26	0.2
3/10/2022	NM	NM	NM	--	17.48	ND	ND	--	5.59	41.58	3.23	0.3
3/24/2022	5.08	ND	ND	--	17.72	ND	ND	--	5.06	BP	NM	TR
4/7/2022	4.80	ND	ND	--	17.40	ND	ND	--	5.80	BP	NM	0.1
4/18/2022	5.16	ND	ND	--	17.86	ND	ND	--	6.03	BP	NM	1.0
5/2/2022	5.40	ND	ND	--	18.10	ND	ND	--	6.24	BP	NM	1.0
5/20/2022	5.46	ND	ND	--	18.02	ND	ND	--	6.13	BP	NM	1.0
6/2/2022	5.61	ND	ND	--	18.12	ND	ND	--	6.29	BP	NM	1.0
6/16/2022	5.82	ND	ND	--	18.21	ND	ND	--	9.23	BP	NM	1.0
6/30/2022	5.87	ND	ND	--	18.39	ND	ND	--	9.37	BP	NM	1.0
7/15/2022	6.81	ND	ND	--	19.27	ND	ND	--	6.54	BP	NM	1.0
7/28/2022	6.94	ND	ND	--	19.39	ND	ND	--	6.67	BP	NM	1.0
8/12/2022	7.68	ND	ND	--	20.00	ND	ND	--	1.00	BP	NM	0.25
8/29/2022	NM	NM	NM	--	19.81	ND	ND	--	6.47	BP	NM	0.5
9/16/2022	5.70	ND	ND	--	19.45	ND	ND	--	8.00	BP	NM	0.5
9/30/2022	NM	NM	NM	--	19.60	ND	ND	--	9.10	42.50	2.31	1.0
10/17/2022	6.90	ND	ND	--	19.93	ND	ND	--	9.88	BP	NM	0.25
10/27/2022	7.02	ND	ND	--	20.06	ND	ND	--	10.13	BP	NM	0.25
11/10/2022	6.91	ND	ND	--	19.92	ND	ND	--	10.02	BP	NM	0.25
11/30/2022	5.24	ND	ND	--	17.52	ND	ND	--	6.12	BP	NM	0.25
12/16/2022	5.17	ND	ND	--	17.39	ND	ND	--	6.02	BP	NM	0.25
12/27/2022	5.46	ND	ND	--	17.58	ND	ND	--	6.34	BP	NM	0.25
1/13/2023	5.86	ND	ND	--	18.13	ND	ND	--	6.63	BP	NM	0.25
1/27/2023	3.88	ND	ND	--	18.30	ND	ND	--	4.55	BP	NM	1.00
2/9/2023	4.59	ND	ND	--	18.12	ND	ND	--	4.51	BP	NM	0.25
2/23/2023	NM	NM	NM	--	18.03	ND	ND	--	5.35	BP	NM	0.25
3/9/2023	3.99	ND	ND	--	17.91	ND	ND	--	5.26	BP	NM	0.25
3/23/2023	4.99	ND	ND	--	18.6	ND	ND	--	6.41	BP	NM	0.50
4/6/2023	4.12	ND	ND	--	17.74	ND	ND	--	5.36	BP	NM	0.25
4/19/2023	4.93	ND	ND	--	18.60	ND	ND	--	5.41	BP	NM	0.25
5/5/2023	4.27	ND	ND	--	17.89	ND	ND	--	5.52	BP	NM	0.25
5/18/2023	2.34	ND	ND	--	18.3	ND	ND	--	4.23	BP	NM	0.25
6/1/2023	3.66	ND	ND	--	17.87	ND	ND	--	7.12	BP	NM	0.50
6/15/2023	4.43	ND	ND	--	18.03	ND	ND	--	7.14	BP	NM	0.10
6/29/2023	5.32	ND	ND	--	18.60	ND	ND	--	8.34	BP	NM	0.25
7/13/2023	5.88	ND	ND	--	18.81	ND	ND	--	8.12	BP	NM	0.10
7/27/2023	7.92	ND	ND	--	19.31	ND	ND	--	9.40	BP	NM	TR
8/10/2023	7.58	ND	ND	--	19.42	ND	ND	--	10.30	BP	NM	0.25
8/24/2023	8.11	ND	ND	--	20.29	ND	ND	--	9.08	BP	NM	0.10
9/7/2023	8.45	ND	ND	--	20.62	ND	ND	--	9.13	BP	NM	0.10
9/21/2023	8.45	ND	ND	--	20.75	ND	ND	--	11.45	BP	NM	TR
10/5/2023	12.45	ND	ND	--	20.66	ND	ND	--	8.75	BP	NM	0.15
10/19/2023	7.26	PoP	TR	0	20.51	ND	ND	--	9.55	BP	NM	0.25
11/2/2023	7.30	ND	ND	--	21.50	ND	ND	--	10.35	BP	NM	0

TABLE 1

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

	MW-33BR				MW-34C/MW-34CR (July 2014)				MW-41B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
11/16/2023	7.15	ND	ND	--	20.40	ND	ND	--	8.40	BP	NM	1.50
11/30/2023	6.80	ND	ND	--	20.30	ND	ND	--	9.23	BP	NM	0.20
12/14/2023	5.15	ND	ND	--	20.60	ND	ND	--	8.25	BP	NM	2.00
12/27/2023	7.36	ND	ND	--	19.71	ND	ND	--	6.45	BP	NM	0.30
1/11/2024	5.15	ND	ND	--	18.20	ND	ND	--	4.65	BP	NM	0.30
1/25/2024	4.50	ND	ND	--	NM	NM	NM	--	4.22	BP	NM	1.00
2/9/2024	1.80	PoP	TR	0	18.10	ND	ND	--	4.65	BP	NM	0.10
2/22/2024	3.30	ND	ND	--	18.04	ND	ND	--	5.35	BP	NM	0.50
3/7/2024	4.55	ND	ND	--	18.20	ND	ND	--	6.54	BP	NM	0.20
3/22/2024	4.08	ND	ND	--	18.27	ND	ND	--	4.43	BP	NM	0.20
4/18/2024	4.61	ND	ND	--	18.06	ND	ND	--	6.35	BP	NM	0.30
5/2/2024	5.40	PoP	TR	0	18.25	ND	ND	--	6.75	BP	NM	0.20
5/17/2024	2.60	PoP	TR	0	NM	NM	NM	--	5.42	BP	NM	0.30
5/30/2024	3.40	ND	ND	--	NM	NM	NM	--	4.56	BP	NM	1.00
6/13/2024	3.65	ND	ND	--	NM	NM	NM	--	6.15	BP	NM	0.30
6/27/2024	4.51	ND	ND	--	NM	NM	NM	--	6.72	BP	NM	0.20
7/11/2024	4.06	ND	ND	--	NM	NM	NM	--	4.72	BP	NM	0.25
7/25/2024	2.92	ND	ND	--	NM	NM	NM	--	4.50	BP	NM	0.20
8/8/2024	5.21	ND	ND	--	16.76	ND	ND	--	6.10	BP	NM	0.15
9/5/2024	5.02	ND	ND	--	17.64	ND	ND	--	7.00	BP	NM	0.30
9/19/2024	5.40	ND	ND	--	18.04	ND	ND	--	9.06	BP	NM	TR
10/4/2024	6.15	ND	ND	--	18.65	ND	ND	--	9.85	BP	NM	0.30
10/17/2024	6.90	ND	ND	--	18.95	ND	ND	--	10.45	BP	NM	0.70
10/31/2024	7.43	ND	ND	--	19.50	ND	ND	--	10.87	BP	NM	0.10
11/15/2024	6.87	ND	ND	--	19.71	ND	ND	--	10.56	BP	NM	TR
12/3/2024	6.40	ND	ND	--	19.35	ND	ND	--	9.71	BP	NM	0.20
12/12/2024	6.67	ND	ND	--	19.68	ND	ND	--	9.69	BP	NM	0.15
12/26/2024	6.82	ND	ND	--	20.43	ND	ND	--	8.35	BP	NM	0.25
1/9/2025	5.64	ND	ND	--	19.43	ND	ND	--	7.28	BP	NM	0
1/23/2025	7.96	ND	ND	--	18.95	ND	ND	--	5.44	BP	NM	0
2/6/2025	2.00	ND	ND	--	18.88	ND	ND	--	4.70	BP	NM	0
2/22/2025	4.16	ND	ND	--	18.15	ND	ND	--	4.68	BP	NM	0.5
3/6/2025	3.24	ND	ND	--	17.67	ND	ND	--	4.80	BP	NM	0.25
3/25/2025	4.27	ND	ND	--	17.81	ND	ND	--	5.78	BP	NM	0.25
4/3/2025	4.31	ND	ND	--	17.94	ND	ND	--	5.40	BP	NM	0.25
4/17/2025	4.12	ND	ND	--	17.58	ND	ND	--	6.19	BP	NM	0.25
5/1/2025	4.34	ND	ND	--	17.74	ND	ND	--	6.47	BP	NM	0.25
5/15/2025	4.33	ND	ND	--	17.65	ND	ND	--	5.29	BP	NM	0.35
5/29/2025	4.38	ND	ND	--	17.71	ND	ND	--	5.98	BP	NM	0.25
6/12/2025	3.39	ND	ND	--	17.53	ND	ND	--	4.02	BP	NM	0.25
6/26/2025	4.05	ND	ND	--	17.39	ND	ND	--	5.55	BP	NM	0.25
7/10/2025	2.63	ND	ND	--	16.99	ND	ND	--	4.58	BP	NM	0.25
7/24/2025	4.85	ND	ND	--	17.19	ND	ND	--	7.16	BP	NM	0.25
8/7/2025	4.34	ND	ND	--	17.32	ND	ND	--	6.06	BP	NM	0.25
8/21/2025	4.57	ND	ND	--	17.78	ND	ND	--	8.26	BP	NM	0.25
9/4/2025	4.16	ND	ND	--	17.97	ND	ND	--	5.05	BP	NM	0.25
9/18/2025	4.50	ND	ND	--	18.01	ND	ND	--	5.13	BP	NM	0.25
10/2/2025	4.53	ND	ND	--	18.51	ND	ND	--	7.68	BP	NM	0.25
10/16/2025	5.37	ND	ND	--	18.72	ND	ND	--	8.80	BP	NM	0.20
10/30/2025	5.82	ND	ND	--	19.02	ND	ND	--	8.45	BP	NM	0.10
11/13/2025	6.23	ND	ND	--	19.06	ND	ND	--	9.56	BP	NM	0.15
11/20/2025	6.67	ND	ND	--	19.43	ND	ND	--	9.74	BP	NM	0.25
12/4/2025	6.23	ND	ND	--	19.55	ND	ND	--	6.90	BP	NM	0.20
12/18/2025	5.37	ND	ND	--	19.34	ND	ND	--	7.21	BP	NM	0.25
12/31/2025	5.51	ND	ND	--	19.29	ND	ND	--	7.84	BP	NM	0.25

TABLE 1

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

	MW-33BR				MW-34C/MW-34CR (July 2014)				MW-41B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
1/15/2026	5.73	ND	ND	--	19.52	ND	ND	--	8.32	BP	NM	0.15
1/29/2026	5.31	ND	ND	--	18.80	ND	ND	--	5.40	BP	NM	0.07
2/12/2026	Not accessible			--	18.88	ND	ND	--	4.94	BP	NM	0.03
2/18/2026	NM	NM	NM	--	NM	NM	NM	--	NM	NM	NM	--
2/26/2026	4.53	ND	ND	--	18.90	ND	ND	--	5.32	BP	NM	0.01
3/12/2026	3.88	ND	ND	--	18.34	ND	ND	--	4.20	BP	NM	0.10
3/26/2026	1.38	ND	ND	--	17.91	ND	ND	--	5.67	BP	NM	0.06
3/31/2026	NM	NM	NM	--	NM	NM	NM	--	6.60	BP	NM	0.02
Total DNAPL Pumped (gal)				***0.0***				***0.0***				***301.3***

Notes:

* - indicates DNAPL and groundwater mixture

** - indicates DTD from previous event was used

--- - No DNAPL pumped

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

DTD - Depth to DNAPL (feet BTOC)

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

MW-33BR 02/12/2026: vehicles blocked access to well

ND - Not detected

NM - Not measured

PoP - Product on probe, not measurable

TR - Trace amount of DNAPL measured and/or extracted

TABLE 1

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

	MW-44C/MW-44CR (December 2025)				MW-45C				MW-46C			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (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	22.52	70.49	0.11	0	22.31	72.47	0.43	0.1
12/31/2013	20.01	70.8	TR	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	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	ND	--	18.72	72.34	0.56	0.5
11/5/2015	16.62	69.79	1.01	0.3	17.96	ND	ND	--	18.51	72.26	0.64	0.5
12/3/2015	16.46	69.73	1.07	0.3	17.72	ND	ND	--	18.62	72.36	0.54	0.5
12/28/2015	16.32	69.77	1.03	0.3	17.62	ND	ND	--	18.42	72.31	0.59	0.5
2/3/2016	16.17	69.74	1.06	0.3	17.42	ND	ND	--	18.29	72.46	0.44	0.3
3/3/2016	16.12	69.79	1.01	0.3	17.39	ND	ND	--	18.23	72.49	0.41	0.3
3/31/2016	16.06	69.71	1.09	0.3	17.33	ND	ND	--	18.24	72.54	0.36	0.3
5/3/2016	16.27	69.59	1.21	0.3	17.47	ND	ND	--	18.39	72.39	0.51	0.3
6/2/2016	16.38	69.63	1.17	0.3	17.52	ND	ND	--	18.43	72.43	0.47	0.3
7/8/2016	16.47	69.71	1.09	0.3	17.62	ND	ND	--	18.54	72.49	0.41	0.3
8/3/2016	16.59	69.7	1.1	0.3	17.69	ND	ND	--	18.51	72.53	0.37	0.3
8/30/2016	16.67	69.58	1.22	0.3	17.76	ND	ND	--	18.72	72.57	0.33	0.3
9/30/2016	16.79	69.49	1.31	0.5	17.86	ND	ND	--	18.83	72.46	0.44	0.3
11/3/2016	16.86	69.71	1.09	0.5	17.92	ND	ND	--	18.89	72.41	0.49	0.3
11/30/2016	17.03	69.94	0.86	0.8	18.09	ND	ND	--	19.12	72.32	0.58	0.3
1/4/2017	17.22	70.11	0.69	0.8	18.22	ND	ND	--	19.27	72.46	0.44	0.3
2/7/2017	17.29	70.01	0.79	0.5	18.17	ND	ND	--	19.19	72.39	0.51	0.3
3/2/2017	17.17	70.16	0.64	0.5	17.96	ND	ND	--	19.03	72.31	0.59	0.3
4/3/2017	17.06	70.21	0.59	0	17.89	ND	ND	--	18.97	72.39	0.51	0.3
4/27/2017	17.01	70.29	0.51	0	17.67	ND	ND	--	18.84	72.31	0.59	0.5
5/29/2017	17.23	70.24	0.56	0.3	17.84	ND	ND	--	18.94	72.47	0.43	0.3
7/5/2017	17.33	70.34	0.46	0.3	17.96	ND	ND	--	19.12	72.34	0.56	0.5
8/1/2017	17.39	70.39	0.41	0.3	18.09	ND	ND	--	19.23	72.27	0.63	0.5
9/5/2017	17.36	70.43	0.37	0.3	18.16	ND	ND	--	19.29	72.34	0.56	0.5
10/4/2017	17.31	70.41	0.39	0.3	18.21	ND	ND	--	19.36	72.3	0.6	0.5
11/2/2017	17.42	70.4	0.4	0.3	18.32	ND	ND	--	19.42	72.36	0.54	0.5
11/29/2017	17.49	70.36	0.44	0.3	18.43	ND	ND	--	19.57	72.34	0.56	0.5
1/2/2018	17.67	70.31	0.49	0.5	18.73	ND	ND	--	19.81	72.39	0.51	0.5
2/7/2018	17.77	70.34	0.46	0.5	18.62	ND	ND	--	19.96	72.46	0.44	0.5
3/1/2018	NM	NM	NM	--	18.79	ND	ND	--	20.02	72.32	0.58	0.5
4/2/2018	NM	NM	NM	--	18.72	ND	ND	--	19.81	72.39	0.51	0.5
5/1/2018	NM	NM	NM	--	19.31	ND	ND	--	20.62	72.46	0.44	1

TABLE 1

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

	MW-44C/MW-44CR (December 2025)				MW-45C				MW-46C			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
6/1/2018	18.31	70.17	0.63	0.8	19.47	ND	ND	--	20.87	72.51	0.39	1
6/29/2018	18.79	70.39	0.41	0.8	19.67	ND	ND	--	20.97	72.57	0.33	1
8/3/2018	18.97	70.36	0.44	0.8	19.77	ND	ND	--	21.11	72.59	0.31	1
8/31/2018	18.87	70.39	0.41	0.5	19.41	ND	ND	--	20.96	72.48	0.42	0.5
9/28/2018	18.82	70.41	0.39	0.8	19.32	ND	ND	--	20.91	72.43	0.47	0.5
11/2/2018	18.67	70.44	0.36	0.8	19.26	ND	ND	--	20.77	72.39	0.51	0.8
11/29/2018	18.47	70.46	0.34	0.3	19.16	ND	ND	--	20.52	72.34	0.56	0.5
1/2/2019	18.42	70.41	0.39	0.5	19.02	ND	ND	--	20.49	72.46	0.44	0.5
2/2/2019	18.29	70.41	0.39	0.5	18.93	ND	ND	--	20.43	72.49	0.41	0.5
2/28/2019	18.16	70.42	0.38	0.5	18.77	ND	ND	--	20.34	72.37	0.53	0.5
4/2/2019	18.09	70.39	0.41	0.5	18.71	ND	ND	--	20.18	72.32	0.58	0.5
4/25/2019	18.02	70.16	0.64	0.5	18.63	ND	ND	--	20.14	72.36	0.54	0.5
5/29/2019	18.61	70.23	0.57	0.5	18.47	ND	ND	--	20.06	72.39	0.51	0.5
6/12/2019	18.29	ND	TR	0	18.81	ND	ND	--	18.02	ND	TR	0
6/30/2019	18.16	ND	ND	--	18.71	ND	ND	--	18.09	ND	ND	--
7/16/2019	18.09	ND	ND	--	18.66	ND	ND	--	18.12	ND	ND	--
8/2/2019	18.17	ND	ND	--	18.72	ND	ND	--	18.17	ND	ND	--
8/15/2019	18.22	ND	ND	--	18.79	ND	ND	--	18.09	ND	ND	--
8/28/2019	18.29	ND	ND	--	18.86	ND	ND	--	18.17	ND	ND	--
9/17/2019	18.39	ND	ND	--	18.97	ND	ND	--	18.23	ND	ND	--
10/2/2019	18.32	ND	ND	--	18.89	ND	ND	--	18.17	ND	ND	--
10/16/2019	15.06	ND**	ND**	--	16.23	ND	ND	--	16.34	ND	ND	--
10/31/2019	14.89	ND**	ND**	--	15.94	ND	ND	--	16.06	ND	ND	--
11/15/2019	14.21	ND**	ND**	--	15.69	ND	ND	--	15.81	ND	ND	--
12/3/2019	16.11	ND**	ND**	--	15.71	ND	ND	--	15.91	ND	ND	--
12/18/2019	16.51	ND**	ND**	--	15.91	ND	ND	--	16.11	ND	ND	--
12/30/2019	16.65	ND**	ND**	--	16.11	ND	ND	--	16.22	ND	ND	--
1/7/2020	NM	NM	NM	--	NM	NM	NM	--	NM	NM	NM	--
1/15/2020	16.61	ND**	ND**	--	16.11	ND	ND	--	16.29	ND	ND	--
1/27/2020	16.24	ND**	ND**	--	15.71	ND	ND	--	16.15	ND	ND	--
2/13/2020	15.81	ND**	ND**	--	15.29	ND	ND	--	14.4	ND	ND	--
2/25/2020	15.81	ND**	ND**	--	15.28	ND	ND	--	15.42	ND	ND	--
3/13/2020	15.84	ND**	ND**	--	15.31	ND	ND	--	15.57	ND	ND	--
3/31/2020	14.82	ND**	ND**	--	15.59	ND	ND	--	15.72	ND	ND	--
4/9/2020	22.76	ND**	ND**	--	15.67	ND	ND	--	15.89	ND	ND	--
4/27/2020	14.67	ND**	ND**	--	15.94	ND	ND	--	16.12	ND	ND	--
5/14/2020	14.21	ND**	ND**	--	16.38	69.3	1.30	0.1	16.51	ND	ND	--
5/28/2020	12.06	57.61	0.39**	0	16.46	70	0.6	0	16.71	ND	ND	--
6/11/2020	11.61	ND**	ND**	--	16.68	ND	ND	--	16.83	ND	ND	--
6/25/2020	10.37	ND**	ND**	--	14.99	ND	ND	--	15.12	ND	ND	--
7/9/2020	11.51	ND**	ND**	--	16.28	ND	ND	--	16.51	ND	ND	--
7/23/2020	16.92	ND**	ND**	--	16.49	69.7	0.90	TR	16.49	ND	ND	--
8/6/2020	16.75	ND**	ND**	--	16.19	ND	ND	--	16.47	ND	ND	--
8/20/2020	16.71	ND**	ND**	--	16.18	ND	ND	--	16.35	ND	ND	--
9/2/2020	16.84	ND**	ND**	--	16.21	ND	ND	--	16.51	ND	ND	--
9/17/2020	17.29	ND**	ND**	--	16.71	ND	ND	--	16.85	ND	ND	--
10/1/2020	16.84	ND**	ND**	--	16.61	ND	ND	--	16.64	ND	ND	--
10/14/2020	16.92	ND**	ND**	--	16.39	ND	ND	--	16.58	ND	ND	--
10/28/2020	17.11	ND**	ND**	--	16.58	70.6	TR	TR	16.74	ND	ND	--
11/12/2020	17.42	ND**	ND**	--	16.83	ND	ND	--	17.04	ND	ND	--
11/23/2020	1769	ND**	ND**	--	17.12	ND	ND	--	17.33	ND	ND	--
12/10/2020	17.01	ND**	ND**	--	16.50	ND	ND	--	16.71	ND	ND	--
12/21/2020	16.69	ND**	ND**	--	16.02	69.04	1.56	0.3	16.22	ND	ND	--
1/7/2021	15.91	ND**	ND**	--	15.59	ND	ND	--	15.81	ND	ND	--
1/21/2021	15.77	ND**	ND**	--	15.2	70.5	0.1	TR	15.44	ND	ND	--
2/4/2021	15.69	ND**	ND**	--	15.19	70.55	0.05	TR	15.39	ND	ND	--
2/23/2021	14.55	ND**	ND**	--	14.99	70.21	0.39	TR	15.24	ND	ND	--
3/11/2021	15.49	ND**	ND**	--	14.98	ND	ND	--	15.21	ND	ND	--
3/25/2021	15.5	ND**	ND**	--	14.99	ND	ND	--	15.18	ND	ND	--
4/8/2021	15.59	ND**	ND**	--	15.19	ND	ND	--	15.41	ND	ND	--
4/22/2021	16.09	ND**	ND**	--	15.52	ND	ND	--	15.77	ND	ND	--
5/4/2021	Well Damaged			--	14.58	ND	ND	--	14.74	ND	ND	--
5/20/2021	Well Damaged			--	15.58	ND	ND	--	15.75	ND	ND	--

TABLE 1

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

DNAPL Recovery Date	MW-44C/MW-44CR (December 2025)				MW-45C				MW-46C			
	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
6/3/2021	Well Damaged			--	14.96	ND	ND	--	15.21	ND	ND	--
6/17/2021	Well Damaged			--	15.76	ND	ND	--	15.08	ND	ND	--
7/1/2021	Well Damaged			--	14.59	69.79	0.81	0.3	14.81	ND	ND	--
7/19/2021	Well Damaged			--	14.05	69.42	1.18	0.3	14.26	ND	ND	--
7/29/2021	Well Damaged			--	14.05	69.71	0.89	0.1	14.29	ND	ND	--
8/12/2021	Well Damaged			--	14.68	70.36	0.24	TR	14.84	ND	ND	--
8/26/2021	Well Damaged			--	15.21	ND	ND	--	15.43	ND	ND	--
9/10/2021	Well Damaged			--	15.63	ND	ND	--	15.82	ND	ND	--
9/22/2021	Well Damaged			--	15.71	ND	ND	--	15.89	ND	ND	--
10/8/2021	Well Damaged			--	15.47	ND	ND	--	15.83	ND	ND	--
10/20/2021	Well Damaged			--	15.88	ND	ND	--	15.98	ND	ND	--
11/4/2021	Well Damaged			--	15.31	68.61	1.99	0	15.51	ND	ND	--
11/18/2021	Well Damaged			--	15.31	ND	ND	--	15.51	ND	ND	--
12/3/2021	Well Damaged			--	15.51	ND	ND	--	15.72	ND	ND	--
12/16/2021	Well Damaged			--	15.68	ND	ND	--	16.02	ND	ND	--
12/30/2021	Well Damaged			--	15.61	ND	TR	0	15.62	ND	TR	0
1/14/2022	Well Damaged			--	15.72	ND	TR	0	15.81	ND	TR	0
1/26/2022	Well Damaged			--	15.83	ND	TR	0	15.96	ND	TR	0
2/10/2022	Well Damaged			--	15.33	ND	ND	--	15.56	ND	ND	--
2/24/2022	Well Damaged			--	15.58	69.83	0.67	0	15.78	ND	ND	--
3/10/2022	Well Damaged			--	15.58	69.71	0.79	0.3	15.83	ND	ND	--
3/24/2022	Well Damaged			--	16.08	ND	ND	--	16.20	ND	ND	--
4/7/2022	Well Damaged			--	16.15	ND	ND	--	16.34	ND	ND	--
4/18/2022	Well Damaged			--	16.29	ND	ND	--	16.59	ND	ND	--
5/2/2022	Well Damaged			--	16.43	ND	ND	--	16.61	ND	ND	--
5/20/2022	Well Damaged			--	16.29	ND	ND	--	16.52	ND	ND	--
6/2/2022	Well Damaged			--	16.42	ND	ND	--	16.74	ND	ND	--
6/16/2022	Well Damaged			--	NM	NM	NM	--	17.33	ND	ND	--
6/30/2022	Well Damaged			--	NM	NM	NM	--	17.72	ND	ND	--
7/15/2022	Well Damaged			--	17.98	ND	ND	--	18.21	ND	ND	--
7/28/2022	Well Damaged			--	18.06	ND	ND	--	18.41	ND	ND	--
8/12/2022	Well Damaged			--	NM	NM	NM	--	18.00	ND	ND	--
8/29/2022	Well Damaged			--	18.57	ND	ND	--	19.42	ND	ND	--
9/16/2022	Well Damaged			--	17.35	ND	TR	0	17.60	ND	ND	--
9/30/2022	Well Damaged			--	17.65	ND	TR	0	17.85	ND	ND	--
10/17/2022	Well Damaged			--	18.95	ND	ND	--	18.12	ND	ND	--
10/27/2022	Well Damaged			--	19.03	ND	ND	--	18.22	ND	ND	--
11/10/2022	Well Damaged			--	18.76	ND	ND	--	18.76	ND	ND	--
11/30/2022	Well Damaged			--	16.46	ND	ND	--	15.79	ND	ND	--
12/16/2022	Well Damaged			--	16.52	ND	ND	--	15.71	ND	ND	--
12/27/2022	Well Damaged			--	16.74	ND	ND	--	16.12	ND	ND	--
1/13/2023	Well Damaged			--	17.13	ND	ND	--	16.49	ND	ND	--
1/27/2023	Well Damaged			--	16.45	ND	ND	--	16.62	ND	ND	--
2/9/2023	Well Damaged			--	16.05	ND	ND	--	16.22	ND	ND	--
2/23/2023	Well Damaged			--	16.11	ND	ND	--	16.25	ND	ND	--
3/9/2023	Well Damaged			--	15.96	ND	ND	--	16.18	ND	ND	--
3/23/2023	Well Damaged			--	16.57	ND	ND	--	16.69	ND	ND	--
4/6/2023	Well Damaged			--	16.07	ND	ND	--	16.31	ND	ND	--
4/19/2023	Well Damaged			--	16.04	ND	ND	--	16.14	ND	ND	--
5/5/2023	Well Damaged			--	16.22	ND	ND	--	16.39	ND	ND	--
5/18/2023	Well Damaged			--	13.02	ND	ND	--	16.05	ND	ND	--
6/1/2023	Well Damaged			--	17.90	ND	ND	--	16.05	ND	ND	--
6/15/2023	Well Damaged			--	16.15	ND	ND	--	16.32	ND	ND	--
6/29/2023	Well Damaged			--	16.55	ND	ND	--	16.78	ND	ND	--
7/13/2023	Well Damaged			--	16.86	ND	TR	0	17.80	ND	ND	--
7/27/2023	Well Damaged			--	18.33	ND	ND	--	17.50	ND	ND	--
8/10/2023	Well Damaged			--	18.51	ND	ND	--	18.12	ND	ND	--
8/24/2023	Well Damaged			--	18.31	ND	ND	--	18.48	ND	ND	--
9/7/2023	Well Damaged			--	18.85	ND	ND	--	18.63	ND	ND	--
9/21/2023	Well Damaged			--	19.85	ND	ND	--	18.82	ND	TR	0
10/5/2023	Well Damaged			--	18.71	ND	ND	--	18.90	ND	ND	--
10/19/2023	Well Damaged			--	18.71	ND	ND	--	18.56	PoP	TR	0
11/2/2023	Well Damaged			--	18.66	ND	ND	--	18.51	ND	ND	--

TABLE 1

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

	MW-44C/MW-44CR (December 2025)				MW-45C				MW-46C			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
11/16/2023	Well Damaged			--	18.40	ND	ND	--	18.56	ND	ND	--
11/30/2023	Well Damaged			--	18.29	NM	NM	--	18.39	ND	ND	--
12/14/2023	Well Damaged			--	18.05	PoP	TR	0	18.22	ND	ND	--
12/27/2023	Well Damaged			--	17.98	NM	NM	--	17.90	ND	ND	--
1/11/2024	Well Damaged			--	17.40	ND	ND	--	17.22	ND	ND	--
1/25/2024	Well Damaged			--	16.76	ND	ND	--	17.00	ND	ND	--
2/9/2024	Well Damaged			--	16.20	PoP	TR	0	16.35	PoP	TR	0
2/22/2024	Well Damaged			--	16.01	ND	ND	--	16.20	ND	ND	--
3/7/2024	Well Damaged			--	16.40	ND	ND	--	16.20	ND	ND	--
3/22/2024	Well Damaged			--	17.26	ND	ND	--	17.41	PoP	TR	0
4/18/2024	Well Damaged			--	16.06	PoP	TR	0	16.20	ND	ND	--
5/2/2024	Well Damaged			--	11.20	PoP	TR	0	NM	NM	NM	--
5/17/2024	Well Damaged			--	15.80	PoP	TR	0	16.00	ND	ND	--
5/30/2024	Well Damaged			--	15.60	PoP	TR	0	15.78	ND	ND	--
6/13/2024	Well Damaged			--	15.40	PoP	TR	0	15.60	ND	ND	--
6/27/2024	Well Damaged			--	15.63	ND	ND	--	15.85	PoP	TR	0
7/11/2024	Well Damaged			--	15.53	PoP	TR	0	15.70	ND	ND	--
7/25/2024	Well Damaged			--	15.01	ND	ND	--	15.15	ND	ND	--
8/8/2024	Well Damaged			--	13.80	ND	ND	--	15.04	ND	ND	--
9/5/2024	Well Damaged			--	15.70	ND	ND	--	15.98	ND	ND	--
9/19/2024	Well Damaged			--	16.22	ND	ND	--	16.40	ND	ND	--
10/4/2024	Well Damaged			--	16.75	ND	ND	--	16.93	ND	ND	--
10/17/2024	Well Damaged			--	17.22	PoP	TR	0	17.40	ND	ND	--
10/31/2024	Well Damaged			--	17.64	ND	ND	--	17.84	ND	ND	--
11/15/2024	Well Damaged			--	17.63	ND	ND	--	17.89	ND	ND	--
12/3/2024	Well Damaged			--	17.82	ND	ND	--	17.98	ND	ND	--
12/12/2024	Well Damaged			--	17.86	ND	ND	--	18.04	ND	ND	--
12/26/2024	Well Damaged			--	17.80	ND	ND	--	18.00	ND	ND	--
1/9/2025	Well Damaged			--	17.51	ND	ND	--	17.71	ND	ND	--
1/23/2025	Well Damaged			--	16.90	ND	ND	--	17.15	ND	ND	--
2/6/2025	Well Damaged			--	16.49	ND	ND	--	16.67	ND	ND	--
2/22/2025	Well Damaged			--	16.13	ND	ND	--	16.31	ND	ND	--
3/6/2025	Well Damaged			--	15.79	ND	ND	--	15.93	ND	ND	--
3/25/2025	Well Damaged			--	15.88	ND	ND	--	16.03	ND	ND	--
4/3/2025	Well Damaged			--	15.85	ND	ND	--	16.04	ND	ND	--
4/17/2025	Well Damaged			--	15.71	69.60	2.66	0.50	15.93	ND	ND	--
5/1/2025	Well Damaged			--	15.78	ND	ND	--	15.80	ND	ND	--
5/15/2025	Well Damaged			--	15.78	ND	ND	--	15.81	ND	ND	--
5/29/2025	Well Damaged			--	15.78	ND	ND	--	15.96	ND	ND	--
6/12/2025	Well Damaged			--	15.52	ND	ND	--	16.16	ND	ND	--
6/26/2025	Well Damaged			--	15.20	ND	ND	--	15.38	ND	ND	--
7/10/2025	Well Damaged			--	15.01	ND	ND	--	15.10	ND	ND	--
7/24/2025	Well Damaged			--	15.29	ND	ND	--	15.45	ND	ND	--
8/7/2025	Well Damaged			--	15.45	ND	ND	--	15.67	ND	ND	--
8/21/2025	Well Damaged			--	15.91	ND	ND	--	16.03	ND	ND	--
9/4/2025	Well Damaged			--	16.11	ND	ND	--	16.28	ND	ND	--
9/18/2025	Well Damaged			--	16.20	ND	ND	--	16.36	ND	ND	--
10/2/2025	Well Damaged			--	16.56	ND	ND	--	16.72	ND	ND	--
10/16/2025	Well Damaged			--	16.78	ND	ND	--	16.92	ND	ND	--
10/30/2025	Well Damaged			--	17.07	ND	ND	--	7.25	ND	ND	--
11/13/2025	Well Damaged			--	17.36	ND	ND	--	17.55	ND	ND	--
11/20/2025	Well Damaged			--	17.53	ND	ND	--	17.69	ND	ND	--
12/4/2025	Well Damaged			--	17.52	ND	ND	--	17.67	ND	ND	--
12/18/2025	Well Damaged			--	17.32	ND	ND	--	17.48	ND	ND	--
12/31/2025	17.84	ND	ND	--	17.43	ND	ND	--	17.61	ND	ND	--

TABLE 1

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

	MW-44C/MW-44CR (December 2025)				MW-45C				MW-46C			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
1/15/2026	NM	NM	NM	--	17.55	ND	ND	--	17.74	ND	ND	--
1/29/2026	18.02	ND	ND	--	17.41	ND	ND	--	17.60	ND	ND	--
2/12/2026	17.50	ND	ND	--	17.03	ND	ND	--	17.20	ND	ND	--
2/18/2026	NM	NM	NM	--	NM	NM	NM	--	NM	NM	NM	--
2/26/2026	17.35	ND	ND	--	17.00	ND	ND	--	7.06	ND	ND	--
3/12/2026	16.72	ND	ND	--	16.20	69.92	0.08	0	16.49	ND	ND	--
3/26/2026	16.55	ND	ND	--	16.06	ND	ND	--	16.23	ND	ND	--
3/31/2026	NM	NM	NM	--	NM	NM	NM	--	NM	NM	NM	--
Total DNAPL Pumped (gal)				***26.7***				***7.6***				***31.8***

Notes:

* - indicates DNAPL and groundwater mixture
** - indicates DTD from previous event was used
--- - No DNAPL pumped
DTW - Depth to water (feet Below Top of Casing (BTOC))
DTD - Depth to DNAPL (feet BTOC)
MW-44C was replaced with MW-44CR on 12/19/25.

ND - Not detected
NM - Not measured
PoP - Product on probe, not measurable
TR - Trace amount of DNAPL measured and/or extracted

TABLE 1

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

	MW-49A				MW-49B/MW-49BR (December 2025)				MW-57A			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (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	ND	TR*
10/5/2015									7.72	ND	ND	--
11/5/2015									7.39	ND	ND	--
12/3/2015									7.13	ND	ND	--
12/28/2015									NM	NM	NM	--
2/3/2016									NM	NM	NM	--
3/3/2016									NM	NM	NM	--
3/31/2016									NM	NM	NM	--
5/3/2016									NM	NM	NM	--
6/2/2016									7.26	ND	ND	--
7/8/2016									7.39	ND	ND	--
8/3/2016									7.46	ND	ND	--
8/30/2016									7.58	ND	ND	--
9/30/2016									7.69	ND	ND	--
11/3/2016									7.77	ND	ND	--
11/30/2016									7.92	ND	ND	--
1/4/2017									8.07	ND	ND	--
2/7/2017									8.18	ND	ND	--
3/2/2017									8.02	ND	ND	--
4/3/2017									8.06	ND	ND	--
4/27/2017									8.01	ND	ND	--
5/29/2017									8.34	ND	ND	--
7/5/2017									8.41	ND	ND	--
8/1/2017									8.52	ND	ND	--
9/5/2017									8.46	ND	ND	--
10/4/2017									8.41	ND	ND	--
11/2/2017									8.52	ND	ND	--
11/29/2017									8.67	ND	ND	--
1/2/2018									8.91	ND	ND	--
2/7/2018									8.98	ND	ND	--
3/1/2018									9.22	ND	ND	--
4/2/2018									9.16	ND	ND	--
5/1/2018									9.34	ND	ND	--

TABLE 1

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

	MW-49A				MW-49B/MW-49BR (December 2025)				MW-57A			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
6/1/2018									9.67	ND	ND	--
6/29/2018									9.87	ND	ND	--
8/3/2018									10.02	ND	ND	--
8/31/2018									9.91	ND	ND	--
9/28/2018									9.86	ND	ND	--
11/2/2018									9.77	ND	ND	--
11/29/2018									9.56	ND	ND	--
1/2/2019									9.52	ND	TR	0
2/2/2019									9.41	ND	TR	0
2/28/2019									9.32	ND	TR	0
4/2/2019									9.27	ND	TR	0
4/25/2019									9.16	ND	TR	0
5/29/2019									9.06	ND	TR	0
6/12/2019									9.39	ND	ND	--
6/30/2019									9.21	ND	ND	--
7/16/2019					12.02	34.62	0.24	--	9.17	ND	ND	--
8/2/2019									9.22	ND	ND	--
8/15/2019									9.29	ND	ND	--
8/28/2019									9.33	ND	ND	--
9/17/2019									9.46	ND	ND	--
10/2/2019									9.74	ND	ND	--
10/16/2019									10.39	ND	ND	--
10/31/2019									11.92	ND	ND	--
11/15/2019									11.14	ND	ND	--
12/3/2019									13.75	ND	ND	--
12/18/2019									14.09	ND	ND	--
12/30/2019									14.42	ND	ND	--
1/7/2020					11.51	20.09	14.77	--	NM	NM	NM	--
1/15/2020					15.48	20.89	13.97	2.5	12.79	ND	ND	--
1/27/2020					14.2	22.4	12.46	2	11.61	ND	ND	--
2/13/2020					13.31	28.9	5.96	1.5	13.22	ND	ND	--
2/25/2020					11.51	26.8	8.06	1.0	12.31	ND	ND	--
3/13/2020					11.73	26.1	8.76	0.5	13.71	ND	ND	--
3/31/2020					13.72	29.39	5.47	0.5	13.85	ND	ND	--
4/9/2020					14.13	31.04	3.82	0.5	13.36	ND	ND	--
4/27/2020					15.31	32.05	2.81	0.1	14.45	ND	ND	--
5/14/2020					14.95	31.89	2.97	0.1	14.84	ND	ND	--
5/28/2020					13.66	31.07	3.79	0.5	13.91	ND	ND	--
6/11/2020					14.56	31.22	3.64	0.3	14.41	ND	ND	--
6/25/2020					10.65	31.64	3.22	0.3	14.08	ND	ND	--
7/9/2020					10.51	32.41	2.45	0.5	13.51	ND	ND	--
7/23/2020					13.51	31.13	3.73	0.5	13.26	ND	ND	--
8/6/2020					13.23	32.48	2.38	0.3	11.53	ND	ND	--
8/20/2020					12.11	32.08	2.78	0.1	13.11	ND	ND	--
9/2/2020					13.58	31.04	3.82	0.8	13.91	ND	ND	--
9/17/2020					15.91	30.24	4.62	0.5	14.43	ND	ND	--
10/1/2020					13.63	31.11	3.75	0.8	12.41	ND	ND	--
10/14/2020					12.18	29.6	5.26	2.0	13.74	ND	ND	--
10/28/2020					13.71	31.93	2.93	1.0	13.91	ND	ND	--
11/12/2020					12.74	32.03	2.83	0.5	14.64	ND	ND	--
11/23/2020					12.08	32.30	2.56	0.3	14.99	ND	ND	--
12/10/2020					8.66	31.21	3.65	0.3	12.31	ND	ND	--
12/21/2020					6.6	30.72	4.14	0.5	10.92	ND	ND	--
1/7/2021					6.41	32.25	2.61	0.5	12.51	ND	ND	--
1/21/2021					15.44	31.25	3.61	0.5	12.54	ND	ND	--
2/4/2021					15.81	31.54	3.32	0.5	13.15	ND	ND	--
2/23/2021					13.44	31.2	3.66	0.5	12.32	ND	ND	--
3/11/2021					11.91	31.96	2.9	0.5	13.13	ND	ND	--
3/25/2021					10.28	32.41	2.45	0.5	13.01	ND	ND	--
4/8/2021					10.79	31.79	3.07	0.5	13.71	ND	ND	--
4/22/2021					11.29	32.08	2.78	0.5	14.31	ND	ND	--
5/4/2021					7.94	32.4	2.46	0.3	13.03	ND	ND	--
5/20/2021					7.04	32.69	2.17	0.5	10.45	ND	ND	--

TABLE 1

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

	MW-49A				MW-49B/MW-49BR (December 2025)				MW-57A			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
6/3/2021					4.81	32.6	2.26	0.5	11.15	ND	ND	--
6/17/2021					6.39	32.8	2.06	TR	12.21	ND	ND	--
7/1/2021					4.51	ND	ND	--	10.38	ND	ND	--
7/19/2021					0.39	ND	ND	--	9.79	ND	ND	--
7/29/2021					12.91	ND	ND	--	12.51	ND	ND	--
8/12/2021					10.49	32.60	2.26	0.1	13.91	ND	ND	--
8/26/2021					9.87	31.90	2.96	0.5	14.11	ND	ND	--
9/10/2021					10.03	31.79	3.07	0.2	14.28	ND	ND	--
9/22/2021					7.50	ND	ND	--	13.21	ND	ND	--
10/8/2021					7.56	ND	ND	--	12.05	ND	ND	--
10/20/2021					7.8	30.94	1.82	0.1	13.80	ND	ND	--
11/4/2021					7.63	ND	ND	--	12.45	ND	ND	--
11/18/2021					8.00	ND	ND	--	13.37	ND	ND	--
12/3/2021					8.25	ND	ND	--	13.81	ND	ND	--
12/16/2021					8.52	ND	ND	--	13.69	ND	ND	--
12/30/2021					7.81	ND	ND	--	13.36	ND	ND	--
1/14/2022					7.92	ND	ND	--	13.43	ND	ND	--
1/26/2022					7.91	ND	ND	--	13.56	ND	ND	--
2/10/2022					11.38	30	2.76	0.3	12.71	ND	ND	--
2/24/2022					12.6	ND	ND	--	13.68	ND	ND	--
3/10/2022					11.96	ND	ND	--	14.40	ND	ND	--
3/24/2022					12.20	ND	ND	--	12.56	ND	ND	--
4/7/2022					11.60	ND	ND	--	13.70	ND	ND	--
4/18/2022					11.32	ND	ND	--	13.81	ND	ND	--
5/2/2022					11.08	ND	ND	--	13.99	ND	ND	--
5/20/2022					11.17	ND	ND	--	13.46	ND	ND	--
6/2/2022					11.12	ND	ND	--	13.34	ND	ND	--
6/16/2022					10.97	ND	ND	--	15.03	ND	ND	--
6/30/2022					11.16	ND	ND	--	15.48	ND	ND	--
7/15/2022					8.73	ND	ND	--	13.96	ND	ND	--
7/28/2022					8.84	ND	ND	--	14.06	ND	ND	--
8/12/2022					11.11	ND	ND	--	13.50	ND	ND	--
8/29/2022					11.39	ND	NM	2	13.56	ND	ND	--
9/16/2022					9.60	24.00	11.50	2.5	13.85	ND	ND	--
9/30/2022					10.80	20.00	15.50	3.5	14.80	ND	ND	--
10/17/2022					11.85	19.35	9.15	2.5	15.41	ND	ND	--
10/27/2022					12.06	19.47	9.03	2.5	15.79	ND	ND	--
11/10/2022					11.77	19.62	8.88	2.5	15.61	ND	ND	--
11/30/2022					7.52	19.86	8.64	2.5	12.29	ND	ND	--
12/16/2022					7.46	19.98	8.52	2.5	12.17	ND	ND	--
12/27/2022					7.74	19.62	8.88	2.5	12.46	ND	ND	--
1/13/2023					8.06	19.56	8.94	2.5	12.77	ND	ND	--
1/27/2023					7.6	ND	TR	0	11.92	ND	ND	--
2/9/2023					9.4	24.80	3.70	0.5	12.5	ND	ND	--
2/23/2023					10.33	26.37	2.13	1.0	13.98	ND	ND	--
3/9/2023					10.21	26.22	2.28	1.0	13.91	ND	ND	--
3/23/2023					10.06	25.00	3.50	1.0	13.78	ND	ND	--
4/6/2023					10.71	16.94	11.56	2.0	13.77	ND	ND	--
4/19/2023					7.55	19.64	8.86	2.0	13.09	ND	ND	--
5/5/2023					9.48	22.79	5.71	1.5	13.61	ND	ND	--
5/18/2023					4.90	20.82	7.68	2.0	10.28	ND	ND	--
6/1/2023	9.25	28.40	1.53	0	8.65	25.70	2.60	1.25	13.05	ND	ND	--
6/15/2023	9.27	27.22	2.70	1.00	7.88	24.15	4.15	0.75	13.11	ND	ND	--
6/29/2023	9.63	28.39	0.50	0.10	9.00	24.45	3.75	1.00	13.81	ND	ND	--
7/13/2023	9.55	PoP	TR	0	7.85	24.14	4.21	1.00	13.54	ND	ND	--
7/27/2023	10.45	PoP	TR	0	10.80	21.60	6.55	0	14.80	ND	ND	--
8/10/2023	10.78	PoP	TR	0	10.43	23.35	4.80	0.90	15.42	ND	ND	--
8/24/2023	11.94	PoP	TR	0	11.27	24.68	3.37	0.90	12.55	ND	ND	--
9/7/2023	12.02	PoP	TR	0	11.22	24.70	3.33	0.90	12.67	ND	ND	--
9/21/2023	10.83	PoP	TR	0	10.51	25.75	2.65	0.60	15.53	ND	ND	--
10/5/2023	6.65	PoP	TR	0	8.05	22.20	6.30	0.75	15.60	PoP	TR	0
10/19/2023	10.68	PoP	TR	0	10.00	25.85	2.50	0.50	15.30	ND	ND	--
11/2/2023	10.66	PoP	TR	0	10.00	26.35	2.00	0.70	15.50	ND	ND	--

TABLE 1

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

	MW-49A				MW-49B/MW-49BR (December 2025)				MW-57A			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
11/16/2023	9.53	PoP	TR	0	Not accessible			--	14.00	ND	ND	--
11/30/2023	10.78	PoP	TR	0	Not accessible			--	15.03	ND	ND	--
12/14/2023	11.50	PoP	TR	0	Not accessible			--	15.16	ND	ND	--
12/27/2023	10.77	PoP	TR	0	Not accessible			--	13.92	ND	ND	--
1/11/2024	10.56	ND	ND	--	Not accessible			--	12.71	ND	ND	--
1/25/2024	7.50	ND	ND	--	Not accessible			--	10.62	ND	ND	--
2/9/2024	11.97	PoP	TR	0	Not accessible			--	12.73	ND	ND	--
2/22/2024	11.61	ND	ND	--	Not accessible			--	14.05	ND	ND	--
3/7/2024	11.90	PoP	TR	0	Not accessible			--	14.81	ND	ND	--
3/22/2024	9.05	28.95	1.00	0.5	Not accessible			--	15.08	PoP	TR	0
4/18/2024	12.00	ND	ND	--	Not accessible			--	14.61	ND	ND	--
5/2/2024	10.82	PoP	TR	0	Not accessible			--	12.82	ND	ND	--
5/17/2024	10.95	PoP	TR	0	Not accessible			--	15.20	ND	ND	--
5/30/2024	11.10	PoP	TR	0	Not accessible			--	12.15	ND	ND	--
6/13/2024	11.41	ND	ND	--	Not accessible			--	13.57	ND	ND	--
6/27/2024	11.84	ND	ND	--	Not accessible			--	14.04	ND	ND	--
7/11/2024	10.10	ND	ND	--	Not accessible			--	10.28	ND	ND	--
7/25/2024	8.06	PoP	TR	0	Not accessible			--	10.95	ND	ND	--
8/8/2024	10.55	ND	ND	--	Not accessible			--	12.25	ND	ND	--
9/5/2024	10.90	PoP	TR	0	Not accessible			--	13.69	ND	ND	--
9/19/2024	11.12	ND	ND	--	Not accessible			--	14.19	ND	ND	--
10/4/2024	12.00	PoP	TR	0	Not accessible			--	15.00	ND	ND	--
10/17/2024	12.36	PoP	TR	0	Not accessible			--	15.61	ND	ND	--
10/31/2024	12.45	PoP	TR	0	Not accessible			--	15.90	ND	ND	--
11/15/2024	11.76	ND	ND	--	Not accessible			--	15.65	ND	ND	--
12/3/2024	20.20	PoP	TR	0	Not accessible			--	15.13	ND	ND	--
12/12/2024	12.02	ND	ND	--	Not accessible			--	14.98	ND	ND	--
12/26/2024	10.60	PoP	TR	0.03	Not accessible			--	13.26	ND	ND	--
1/9/2025	11.21	ND	ND	--	Not accessible			--	13.27	ND	ND	--
1/23/2025	10.78	ND	ND	--	Not accessible			--	12.65	ND	ND	--
2/6/2025	10.89	ND	ND	--	Not accessible			--	12.23	ND	ND	--
2/22/2025	10.63	ND	ND	--	Not accessible			--	11.96	ND	ND	--
3/6/2025	10.55	ND	ND	--	Not accessible			--	12.26	ND	ND	--
3/25/2025	10.86	ND	ND	--	Not accessible			--	12.94	ND	ND	--
4/3/2025	10.60	ND	ND	--	Not accessible			--	12.33	ND	ND	--
4/17/2025	10.81	ND	ND	--	Not accessible			--	12.64	ND	ND	--
5/1/2025	10.63	ND	ND	--	Not accessible			--	12.68	ND	ND	--
5/15/2025	10.70	ND	ND	--	Not accessible			--	11.80	ND	ND	--
5/29/2025	9.22	29.65	0.19	0	Not accessible			--	11.52	ND	ND	--
6/12/2025	5.18	ND	ND	--	Not accessible			--	9.92	ND	ND	--
6/26/2025	6.68	ND	ND	--	7.19	26.90	1.29	0.25	10.26	ND	ND	--
7/10/2025	6.72	ND	TR	0	5.38	ND	ND	--	10.75	ND	ND	--
7/24/2025	7.60	ND	ND	--	7.54	ND	ND	--	12.12	ND	ND	--
8/7/2025	7.21	ND	ND	--	7.28	ND	ND	--	11.38	ND	ND	--
8/21/2025	7.71	29.57	0.24	0.04	7.63	ND	ND	--	12.45	ND	ND	--
9/4/2025	7.00	ND	ND	--	6.68	ND	ND	--	10.60	ND	ND	--
9/18/2025	7.10	ND	ND	--	6.76	ND	ND	--	10.49	ND	ND	--
10/2/2025	7.52	ND	TR	0	7.40	ND	ND	--	12.60	ND	ND	--
10/16/2025	9.10	ND	ND	--	9.98	ND	ND	--	13.33	ND	ND	--
10/30/2025	9.57	ND	TR	0	10.15	ND	ND	--	13.06	ND	ND	--
11/13/2025	10.92	ND	ND	--	10.12	ND	ND	--	13.97	ND	ND	--
11/20/2025	11.10	ND	ND	--	10.23	ND	ND	--	14.21	ND	ND	--
12/4/2025	9.43	ND	ND	--	7.61	ND	TR	0	11.79	ND	ND	--
12/18/2025	10.35	29.22	0.59	0.09	10.77	ND	ND	--	13.87	ND	ND	--
12/31/2025	11.40	ND	ND	--	11.12	24.22	13.78	0	13.70	ND	ND	--

TABLE 1

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

	MW-49A				MW-49B/MW-49BR (December 2025)				MW-57A			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
1/15/2026	NM	NM	NM	--	NM	NM	NM	--	13.80	ND	ND	--
1/29/2026	9.54	ND	ND	--	13.40	25.03	12.95	0	11.87	ND	ND	--
2/12/2026	10.01	ND	ND	--	9.98	25.13	12.87	0	12.16	ND	ND	--
2/18/2026	NM	NM	NM	--	10.10	20.10	17.90	9.00	NM	NM	NM	--
2/26/2026	10.10	ND	ND	--	11.37	22.10	16.10	0	13.38	ND	ND	--
3/12/2026	7.88	29.25	0.30	0.25	9.53	18.56	19.44	0	9.85	ND	ND	--
3/26/2026	9.81	ND	ND	--	9.90	22.58	15.42	16.00	11.92	ND	ND	--
3/31/2026	10.07	ND	ND	--	10.34	25.60	12.59	8.22	12.36	ND	ND	--
Total DNAPL Pumped (gal)				***2.0***				***103.1***				***15.5***

Notes:

* - indicates DNAPL and groundwater mixture
** - indicates DTD from previous event was used
--- - No DNAPL pumped
DTW - Depth to water (feet Below Top of Casing (BTOC))
DTD - Depth to DNAPL (feet BTOC)
MW-49B was replaced with MW-49BR on 12/16/25.

ND - Not detected
NM - Not measured
PoP - Product on probe, not measurable
TR - Trace amount of DNAPL measured and/or extracted

TABLE 1

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

	MW-57B				MW-68B				MW-70B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (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	TR	0					7.84	35.06	0.64	0.1
3/3/2014	16.51	ND	TR	0					7.09	35.05	0.65	0.1
3/31/2014	16.41	ND	TR	0					6.87	35.17	0.53	0.1
4/30/2014	16.29	ND	TR	0					6.72	35.01	0.69	0.1
5/27/2014	16.13	ND	TR	0					6.64	34.86	0.84	0.1
6/26/2014	16.02	ND	TR	0					6.52	34.97	0.73	0.3
7/31/2014	15.84	ND	TR	0					6.26	34.76	0.94	0.3
8/27/2014	15.71	ND	TR	0					6.84	34.86	0.84	0.3
10/3/2014	15.61	ND	TR	0					6.71	34.61	1.09	0.3
11/3/2014	NM	NM	NM	--					6.79	34.79	0.91	0.3
11/24/2014	NM	NM	NM	--					6.77	34.93	0.77	0.3
12/22/2014	NM	NM	NM	--					6.69	34.86	0.84	0.3
1/29/2015	NM	NM	NM	--					6.48	34.92	0.78	0.3
2/26/2015	NM	NM	NM	--					6.39	34.81	0.89	0.5
3/26/2015	NM	NM	NM	--					6.27	34.91	0.79	0.3
4/27/2015	NM	NM	NM	--					6.19	34.99	0.71	0.3
5/26/2015	NM	NM	NM	--					6.07	35.11	0.59	0.5
7/6/2015	NM	NM	NM	--					5.03	35.32	0.38	0.3
8/3/2015	12.32	PoP	TR	0					5.12	35.37	0.33	TR*
8/27/2015	13.04	ND	ND	--					6.31	35.41	0.29	TR*
10/5/2015	12.62	ND	ND	--					5.72	35.47	0.23	0.3
11/5/2015	12.27	ND	ND	--					5.41	35.42	0.28	0.3
12/3/2015	12.02	ND	ND	--					5.13	35.63	0.07	0.3
12/28/2015	NM	NM	NM	--					5.02	35.26	0.44	0.3
2/3/2016	NM	NM	NM	--					4.86	35.21	0.49	0.3
3/3/2016	NM	NM	NM	--					4.92	35.17	0.53	0.3
3/31/2016	NM	NM	NM	--					4.91	35.24	0.46	0.3
5/3/2016	NM	NM	NM	--					5.13	35.29	0.36	0.3
6/2/2016	12.32	ND	ND	--					5.26	35.36	0.29	0.3
7/8/2016	12.44	ND	ND	--					5.34	35.31	0.34	0.3
8/3/2016	12.52	ND	ND	--					5.42	35.39	0.26	0.3
8/30/2016	12.67	ND	ND	--					5.61	35.21	0.44	0.3
9/30/2016	12.81	ND	ND	--					5.74	35.03	0.62	0.3
11/3/2016	12.92	ND	ND	--					5.79	35.11	0.54	0.3
11/30/2016	13.16	ND	ND	--					6.03	35.23	0.42	0.3
1/4/2017	13.24	ND	ND	--					6.17	35.09	0.56	0.5
2/7/2017	13.29	ND	ND	--					6.26	35.01	0.64	0.5
3/2/2017	13.17	ND	ND	--					6.16	35.09	0.56	0.5
4/3/2017	13.04	ND	ND	--					6.09	35.13	0.52	0.5
4/27/2017	13.14	ND	ND	--					6.12	35.2	0.45	0.5
5/29/2017	13.41	ND	ND	--					6.29	35.06	0.59	0.5
7/5/2017	13.57	ND	ND	--					6.39	35.14	0.51	0.3
8/1/2017	13.69	ND	ND	--					6.47	35.21	0.44	0.3
9/5/2017	13.79	ND	ND	--					6.56	35.34	0.31	0.3
10/4/2017	13.71	ND	ND	--					6.63	35.39	0.26	0.3
11/2/2017	13.91	ND	ND	--					6.74	35.31	0.34	0.3
11/29/2017	14.02	ND	ND	--					6.79	35.29	0.36	0.3
1/2/2018	13.06	ND	ND	--					6.34	35.34	0.31	0.3
2/7/2018	12.42	ND	ND	--					6.42	35.31	0.34	0.3
3/1/2018	12.58	ND	ND	--					6.67	35.21	0.44	0.5
4/2/2018	12.46	ND	ND	--					6.61	35.16	0.49	0.5
5/1/2018	13.04	ND	ND	--					7.22	35.23	0.42	1.3

TABLE 1

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

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

TABLE 1

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

	MW-57B				MW-68B				MW-70B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
6/3/2021	14.12	ND	ND	--	2.66	ND	ND	--	4.58	34.98	0.67	0.3
6/17/2021	13.84	ND	ND	--	3.51	ND	ND	--	4.78	35.16	0.49	0.3
7/1/2021	13.61	ND	ND	--	1.11	37.01	0.39	0.1	4.48	34.85	0.8	TR
7/19/2021	13.22	ND	ND	--	1.06	37.21	0.19	TR	3.78	34.9	0.75	TR
7/29/2021	16.66	ND	ND	--	3.74	37.38	0.02	TR	5.74	35.2	0.45	TR
8/12/2021	15.32	ND	ND	--	5.21	ND	ND	--	5.71	35.12	0.53	TR
8/26/2021	14.92	ND	ND	--	5.80	ND	ND	TR	5.88	35.16	0.49	TR
9/10/2021	14.61	ND	ND	--	5.08	ND	ND	--	6.41	35.18	0.47	0.1
9/22/2021	14.40	ND	ND	--	4.65	ND	ND	--	6.46	ND	ND	--
10/8/2021	14.10	ND	ND	--	3.14	ND	ND	--	5.12	ND	ND	--
10/20/2021	14.61	ND	ND	--	5.01	ND	ND	--	6.84	35.27	0.38	0
11/4/2021	13.59	ND	ND	--	3.38	ND	ND	--	5.10	ND	ND	--
11/18/2021	13.44	ND	ND	--	4.38	ND	ND	--	5.34	ND	ND	--
12/3/2021	13.40	ND	ND	--	4.38	ND	ND	--	5.58	ND	ND	--
12/16/2021	13.36	ND	ND	--	4.72	ND	ND	--	5.84	ND	ND	--
12/30/2021	13.41	ND	TR	0	3.88	ND	ND	--	5.46	ND	TR	0
1/14/2022	13.52	ND	TR	0	3.92	ND	ND	--	5.56	ND	TR	0
1/26/2022	13.44	ND	TR	0	4.06	ND	ND	--	5.67	ND	TR	0
2/10/2022	19.21	ND	ND	--	3.07	ND	ND	--	5.39	ND	ND	--
2/24/2022	17.65	ND	ND	--	4.08	ND	ND	--	5.52	34.7	0.6	0.2
3/10/2022	18.44	ND	ND	--	4.99	ND	ND	--	6.23	ND	ND	--
3/24/2022	16.06	ND	ND	--	2.91	ND	ND	--	6.24	ND	ND	--
4/7/2022	15.60	ND	ND	--	4.23	ND	ND	--	6.05	ND	ND	--
4/18/2022	15.39	ND	ND	--	4.46	ND	ND	--	6.29	ND	ND	--
5/2/2022	15.17	ND	ND	--	5.13	ND	ND	--	6.40	ND	TR	0
5/20/2022	15.41	ND	ND	--	5.21	ND	ND	--	6.52	ND	ND	--
6/2/2022	15.34	ND	ND	--	5.39	ND	ND	--	6.43	ND	ND	--
6/16/2022	14.95	ND	TR	0	5.27	ND	ND	--	8.80	ND	ND	--
6/30/2022	15.03	ND	TR	0	5.35	ND	ND	--	8.96	ND	ND	--
7/15/2022	15.22	ND	TR	0	6.79	ND	ND	--	7.34	ND	ND	--
7/28/2022	15.38	ND	TR	0	6.91	ND	ND	--	7.41	ND	ND	--
8/12/2022	16.60	ND	TR	0	6.54	ND	TR	0	7.90	ND	ND	--
8/29/2022	15.61	ND	ND	--	4.35	ND	ND	--	6.26	ND	ND	--
9/16/2022	15.30	ND	ND	--	6.00	37.20	0.75	0.25	7.30	31.90	3.40	0.25
9/30/2022	15.00	ND	TR	0	7.00	ND	TR	0	7.40	32.00	3.30	0.25
10/17/2022	14.85	ND	TR	0	7.83	ND	TR	0	7.90	32.85	2.45	0.10
10/27/2022	14.93	ND	TR	0	7.97	ND	TR	0	8.27	32.97	2.33	0.50
11/10/2022	14.77	ND	TR	0	7.72	ND	TR	0	8.13	32.82	2.48	0.50
11/30/2022	11.23	ND	TR	0	3.22	ND	TR	0	3.29	33.63	1.67	0.50
12/16/2022	11.06	ND	TR	0	3.34	ND	TR	0	3.16	33.69	1.61	0.50
12/27/2022	11.49	ND	TR	0	2.96	ND	TR	0	2.87	33.52	1.78	0.50
1/13/2023	12.46	ND	TR	0	2.09	ND	TR	0	2.61	33.62	1.68	0.50
1/27/2023	18.73	42.11	0.71	0	2.21	ND	TR	0	5.29	34.48	0.82	0.50
2/9/2023	17.23	ND	TR	0	3.00	ND	TR	0	5.74	ND	TR	0
2/23/2023	16.19	ND	ND	--	3.96	ND	ND	--	5.78	34.60	0.70	0.25
3/9/2023	16.06	ND	ND	--	3.74	ND	ND	--	5.56	34.29	1.01	0.50
3/23/2023	15.23	PoP	TR	0	4.56	PoP	TR	0	6.28	ND	TR	0
4/6/2023	16.13	ND	ND	--	3.96	ND	ND	--	5.69	34.62	0.68	0.50
4/19/2023	14.87	ND	ND	--	4.19	PoP	TR	0	5.99	ND	TR	0
5/5/2023	15.96	ND	ND	--	3.72	ND	ND	--	5.79	34.69	0.61	0.50
5/18/2023	14.23	ND	ND	--	1.60	ND	ND	--	4.40	32.92	2.38	0
6/1/2023	13.86	PoP	TR	0	4.38	PoP	TR	0	5.64	ND	TR	0
6/15/2023	13.75	PoP	TR	0	4.80	ND	ND	--	5.63	32.85	2.40	1.10
6/29/2023	13.74	PoP	TR	0	5.84	PoP	TR	0	6.57	ND	TR	0.10
7/13/2023	13.79	PoP	TR	0	5.90	PoP	TR	0	6.58	ND	TR	0
7/27/2023	16.57	PoP	TR	0	7.15	PoP	TR	0	8.10	34.55	0.75	TR
8/10/2023	16.08	PoP	TR	0	7.90	PoP	TR	0	7.75	ND	TR	0
8/24/2023	16.70	PoP	TR	0	8.55	PoP	TR	0	8.28	ND	TR	0
9/7/2023	16.74	PoP	TR	0	8.63	PoP	TR	0	8.66	ND	TR	0
9/21/2023	15.70	PoP	TR	0	8.70	PoP	TR	0	8.50	ND	TR	0
10/5/2023	12.60	PoP	TR	0	5.50	PoP	TR	0	8.50	ND	TR	0
10/19/2023	15.45	PoP	TR	0	7.00	PoP	TR	0	7.36	33.60	1.70	0.30
11/2/2023	15.25	PoP	TR	0	7.20	PoP	TR	0	7.73	PoP	TR	0

TABLE 1

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

	MW-57B				MW-68B				MW-70B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
11/16/2023	15.18	ND	ND	--	5.57	ND	ND	--	7.60	34.40	1.00	0.25
11/30/2023	15.56	ND	ND	--	6.75	ND	ND	--	11.50	35.70	0.75	0.05
12/14/2023	14.93	PoP	TR	0	6.30	ND	ND	--	7.15	34.60	0.80	TR
12/27/2023	14.83	PoP	TR	0	5.11	PoP	TR	0	6.50	34.50	1.00	0.10
1/11/2024	14.60	PoP	TR	0	3.00	Pop	TR	0	5.80	PoP	TR	0
1/25/2024	17.20	PoP	TR	0	0.50	ND	ND	--	8.34	34.30	1.00	0.10
2/9/2024	15.11	PoP	TR	0	2.56	ND	ND	--	4.15	PoP	TR	0
2/22/2024	15.50	PoP	TR	0	3.80	PoP	TR	0	5.46	32.30	3.00	0.60
3/7/2024	15.17	PoP	TR	0	4.84	PoP	TR	0	6.65	PoP	TR	0
3/22/2024	12.02	PoP	TR	0	4.35	PoP	TR	0	6.32	34.40	1.00	TR
4/18/2024	14.83	PoP	TR	0	4.75	ND	ND	--	6.38	35.00	0.50	TR
5/2/2024	14.88	ND	ND	--	4.90	PoP	TR	0	6.80	34.90	0.50	0.10
5/17/2024	3.75	PoP	TR	0	2.00	PoP	TR	0	5.46	34.80	0.50	0.10
5/30/2024	14.65	PoP	TR	0	2.52	PoP	TR	0	5.36	34.90	0.50	TR
6/13/2024	14.42	PoP	TR	0	4.05	PoP	TR	0	5.23	PoP	TR	0.10
6/27/2024	14.78	PoP	TR	0	4.56	ND	ND	--	5.90	34.90	0.50	0.10
7/11/2024	14.27	PoP	TR	0	2.05	PoP	TR	TR	4.75	PoP	TR	TR
7/25/2024	14.02	PoP	TR	0	1.71	ND	ND	--	4.22	PoP	TR	TR
8/8/2024	20.10	PoP	TR	0	NM	NM	NM	--	5.65	35.00	0.30	TR
9/5/2024	17.13	PoP	TR	0	5.47	PoP	TR	0	5.72	34.40	1.00	0.10
9/19/2024	16.32	PoP	TR	0	6.15	PoP	TR	0	6.41	34.80	0.50	TR
10/4/2024	15.75	PoP	TR	0	7.06	PoP	TR	0	7.17	PoP	TR	0.10
10/17/2024	15.50	PoP	TR	0	7.65	PoP	TR	0	7.68	34.80	0.50	0.10
10/31/2024	15.30	PoP	TR	0	8.00	ND	ND	--	8.09	35.20	0.16	0.10
11/15/2024	15.30	ND	ND	--	7.58	ND	ND	--	7.80	PoP	TR	TR
12/3/2024	15.21	PoP	TR	0	6.80	ND	ND	--	7.37	PoP	TR	TR
12/12/2024	15.11	ND	ND	--	6.42	ND	ND	--	7.65	PoP	TR	0
12/26/2024	14.95	ND	ND	--	5.51	PoP	TR	0.20	7.76	ND	ND	--
1/9/2025	14.86	ND	ND	--	5.06	ND	ND	--	6.45	ND	ND	--
1/23/2025	14.60	ND	ND	--	4.51	ND	ND	--	7.91	33.92	1.44	0.25
2/6/2025	14.24	ND	ND	--	2.41	ND	ND	--	5.31	34.18	1.18	0.25
2/22/2025	13.93	ND	ND	--	2.30	ND	ND	--	7.22	ND	ND	--
3/6/2025	13.65	41.70	1.14	0.25	2.46	ND	ND	--	5.00	34.04	1.26	0.25
3/25/2025	13.58	41.96	0.88	0.25	2.75	ND	ND	--	5.83	33.70	1.61	0.30
4/3/2025	13.53	41.88	0.96	0.15	Not accessible			--	5.79	33.80	1.52	0.25
4/17/2025	13.59	ND	ND	--	3.54	37.61	0.32	0.10	5.45	33.70	1.60	0.25
5/1/2025	13.51	ND	ND	--	4.10	ND	ND	--	5.83	34.63	0.63	0.35
5/15/2025	13.54	ND	ND	--	3.25	37.81	0.09	0	5.63	34.96	0.34	0.05
5/29/2025	13.54	42.16	0.68	0.10	Not accessible			--	5.62	34.65	0.65	0.10
6/12/2025	14.42	42.16	0.68	0.15	2.59	37.61	0.29	0	5.12	34.88	0.42	0.05
6/26/2025	13.91	42.21	0.63	0.15	1.93	37.65	0.25	0	4.43	34.62	0.68	0.15
7/10/2025	16.35	ND	ND	--	0.84	ND	TR	0	3.92	34.60	0.70	0.10
7/24/2025	15.22	ND	ND	--	4.53	37.61	0.29	TR	6.93	34.46	0.84	0.15
8/7/2025	14.45	ND	ND	--	Not accessible			0	5.99	34.56	0.75	0.15
8/21/2025	13.95	ND	ND	--	2.99	37.72	0.18	0.02	5.68	34.79	0.51	0.08
9/4/2025	13.61	ND	ND	--	2.46	37.30	0.60	0	5.12	34.38	0.92	0.20
9/18/2025	13.70	ND	ND	--	2.54	37.16	0.74	0.15	5.19	34.69	0.61	TR
10/2/2025	13.11	ND	ND	--	Not accessible			0	5.25	34.83	0.47	0.05
10/16/2025	12.86	ND	ND	--	6.20	37.45	0.45	0	5.49	34.29	1.01	0.15
10/30/2025	12.95	ND	ND	--	Not accessible			0	5.82	35.03	0.27	0
11/13/2025	12.99	ND	ND	--	7.02	ND	TR	0	6.50	34.34	0.96	0.15
11/20/2025	13.02	ND	ND	--	7.48	37.68	0.22	0.03	6.93	34.95	0.35	0.05
12/4/2025	13.11	ND	ND	--	4.84	37.50	0.33	0.05	6.77	34.86	0.22	0.03
12/18/2025	13.06	ND	ND	--	5.38	37.72	0.03	0	6.13	34.70	0.42	0.06
12/31/2025	13.11	ND	ND	--	5.60	37.70	0.05	0	6.11	34.56	0.56	0.08

TABLE 1

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

	MW-57B				MW-68B				MW-70B			
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)
1/15/2026	13.15	ND	ND	--	5.93	37.22	0.53	0.10	6.49	34.90	0.22	0.04
1/29/2026	20.63	ND	ND	--	4.28	ND	TR	0	9.35	34.77	0.36	0.05
2/12/2026	18.50	ND	ND	--	Not accessible			--	6.10	34.95	0.18	0.02
2/18/2026	NM	NM	NM	--	NM	NM	NM	--	NM	NM	NM	--
2/26/2026	17.11	ND	ND	--	5.73	ND	ND	--	8.60	34.87	0.46	0.07
3/12/2026	15.80	ND	ND	--	4.55	PoP	TR	0	5.59	34.49	0.63	0.13
3/26/2026	14.87	ND	ND	--	1.76	ND	ND	--	5.13	34.62	0.48	0.07
3/31/2026	14.76	ND	ND	--	NM	NM	NM	--	NM	NM	NM	--
Total DNAPL Pumped (gal)				***3.8***				***4.7***				***69.4***

Notes:

* - indicates DNAPL and groundwater mixture

** - indicates DTD from previous event was used

-- - No DNAPL pumped

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

DTD - Depth to DNAPL (feet BTOC)

MW-68B 02/12/2026: vehicles blocked access to well

ND - Not detected

NM - Not measured

PoP - Product on probe, not measurable

TR - Trace amount of DNAPL measured and/or extracted

5.15

TABLE 1

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

	MW-74B				MW-75B				MW-78A				
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	Approx DNAPL Recovered (gal)
2/14/2013					10.01	34.1	3.1	0.3	NM	NM	NM	--	10.3
4/3/2013					13.71	36.47	0.73	0.3	NM	NM	NM	--	5.7
4/22/2013					9.72	36.72	0.48	0.3	NM	NM	NM	--	3.4
5/30/2013					9.61	35.09	2.11	0.8	NM	NM	NM	--	8.2
6/29/2013					10.61	35.61	1.59	0.8	NM	NM	NM	--	9.2
7/22/2013					9.74	35.71	1.49	0.8	NM	NM	NM	--	8.7
8/26/2013					10.76	35.93	1.27	0.8	NM	NM	NM	--	7.5
9/27/2013					10.52	36.39	0.81	0.5	NM	NM	NM	--	6.5
10/31/2013					10.31	36.47	0.73	1	NM	NM	NM	--	6.1
11/27/2013					10.39	36.51	0.69	1	NM	NM	NM	--	5.7
12/31/2013					10.13	36.72	0.48	1	NM	NM	NM	--	5.7
1/30/2014					12.62	36.49	0.71	0.8	NM	NM	NM	--	4.9
3/3/2014					12.12	36.35	0.85	0.8	NM	NM	NM	--	5.2
3/31/2014					12.01	36.27	0.93	0.8	NM	NM	NM	--	5.2
4/30/2014					11.84	36.02	1.18	0.8	NM	NM	NM	--	5.4
5/27/2014					11.71	35.79	1.41	0.8	NM	NM	NM	--	5.1
6/26/2014					11.58	35.91	1.29	0.5	NM	NM	NM	--	5.3
7/31/2014					11.32	35.82	1.38	0.5	NM	NM	NM	--	5.0
8/27/2014					11.19	36.09	1.11	0.5	NM	NM	NM	--	4.5
10/3/2014					11.09	36.01	1.19	0.5	NM	NM	NM	--	5.0
11/3/2014					11.16	36.19	1.01	0.8	9.31	19.12	6.23	2	7.5
11/24/2014					11.21	36.27	0.93	0.5	9.39	19.62	5.73	2	8.3
12/22/2014					11.26	36.19	1.01	0.5	9.34	19.86	5.49	2	8.5
1/29/2015					11.06	36.34	0.86	0.5	9.14	21.29	4.06	2	8.0
2/26/2015					11.09	36.34	0.86	0.5	9.17	19.97	5.38	2.5	10.3
3/26/2015					10.93	36.42	0.78	0.5	9.12	20.31	5.04	0.8	7.5
4/27/2015					10.78	36.52	0.68	0.5	9.17	20.46	4.89	2	11.0
5/26/2015					10.61	36.72	0.48	0.8	9.09	20.59	4.76	2.5	12.8
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

	MW-74B				MW-75B				MW-78A				
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	Approx DNAPL Recovered (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	TR	0	8.67	23.96	1.39	2	9.0
6/30/2019					8.66	ND	TR	0	9.36	23.77	1.58	2	9.8
7/16/2019					8.62	ND	TR	0	9.29	23.62	1.73	2	10.5
8/2/2019					8.67	ND	TR	0	9.34	23.57	1.78	2	8.0
8/15/2019					8.69	ND	ND	--	9.42	23.06	2.29	2	12.0
8/28/2019					8.72	ND	TR	0	9.51	23.01	2.34	2	12.0
9/17/2019					8.61	ND	TR	0	9.39	22.76	2.59	2	13.0
10/2/2019					8.53	ND	TR	0	9.27	22.58	2.77	2	10.5
10/16/2019					NM	NM	NM	--	10.16	21.63	3.72	2	8.0
10/31/2019					NM	NM	NM	--	10.41	21.79	3.56	2.5	8.5
11/15/2019					7.91	ND	ND	--	8.01	21.62	3.73	1.5	5.0
12/3/2019					8.24	ND	ND	--	8.41	22.12	3.23	2	6.5
12/18/2019					4.99	ND	ND	--	8.38	ND	ND	--	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					--	--	--	--	--	--	--	--	0.0
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	ND	--	7.84	21.86	3.49	0.3	2.6
3/13/2020					8.24	34.9	2.25	0.1	NM	NM	NM	--	2.3
3/31/2020					4.79	ND	ND	--	7.82	23.1	2.25	0.1	5.9
4/9/2020					8.52	ND	ND	--	7.52	22.5	2.85	0.1	7.3
4/27/2020					9.07	ND	ND	--	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	ND	--	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	ND	--	6.28	19.9	5.45	1.5	6.5
7/9/2020					8.91	ND	ND	--	8.41	19.7	5.65	2.5	7.3
7/23/2020					8.71	ND	ND	--	7.85	20.91	4.44	1.0	8.8
8/6/2020					6.74	ND	ND	--	7.81	22.05	3.3	1.0	6.3
8/20/2020					6.01	ND	ND	--	7.21	21.88	3.47	0.5	3.9
9/2/2020					8.61	ND	ND	--	6.98	22.6	2.75	1.0	4.4
9/17/2020					8.52	ND	ND	--	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	ND	--	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	ND	--	4.1
1/21/2021					7.85	35.5	1.65	2.0	7.71	ND	ND	--	7.8
2/4/2021					8.19	35.2	1.95	2.0	7.63	ND	ND	--	7.8
2/23/2021					7.64	34.59	2.56	1.0	7.52	ND	ND	--	6.5
3/11/2021					7.82	35.1	2.05	1.0	7.42	ND	ND	--	6.5
3/25/2021					7.91	36.81	0.34	0.3	7.28	ND	ND	--	5.3
4/8/2021					7.08	36.53	0.62	0	7.41	ND	ND	--	5.0
4/22/2021					8.59	36.8	0.35	0.3	7.02	ND	ND	--	4.4
5/4/2021	7.81	32.80	2.20	2.0	7.83	ND	ND	--	7.22	ND	ND	--	6.8
5/20/2021	5.93	33.40	1.60	0.5	8.06	37.1	0.05	0.3	8.04	ND	ND	--	5.5

TABLE 1

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

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

TABLE 1

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

	MW-74B				MW-75B				MW-78A				
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	Approx DNAPL Recovered (gal)
11/16/2023	8.80	35.20	1.00	0.20	7.77	ND	ND	--	8.70	ND	ND	--	2.7
11/30/2023	8.41	35.45	0.75	0.10	5.90	PoP	TR	0	8.92	ND	ND	--	0.5
12/14/2023	8.70	34.00	2.10	0.10	7.70	ND	ND	--	8.45	ND	ND	--	2.2
12/27/2023	8.15	39.00	1.00	0.20	7.74	PoP	TR	0	8.12	ND	ND	--	0.6
1/11/2024	7.37	PoP	TR	0	7.30	ND	ND	--	7.80	ND	ND	--	0.4
1/25/2024	7.50	35.00	1.00	0.10	3.65	ND	ND	--	7.72	ND	ND	--	1.2
2/9/2024	6.76	PoP	TR	0	7.30	35.20	2.00	0.50	11.42	ND	ND	--	0.6
2/22/2024	7.41	35.60	0.50	0.20	7.80	36.70	0.50	0.10	7.30	ND	ND	--	1.6
3/7/2024	8.20	PoP	TR	0	7.82	36.20	1.00	0.30	7.90	ND	ND	--	1.0
3/22/2024	NM	PoP	TR	0	NM	PoP	TR	0	8.56	PoP	TR	0	1.0
4/18/2024	7.60	35.20	1.00	0.30	8.15	PoP	TR	0.10	7.95	ND	ND	--	0.8
5/2/2024	7.75	35.20	1.00	0.10	8.11	36.70	0.50	0.10	7.90	ND	ND	--	0.6
5/17/2024	6.55	35.50	0.50	0.10	7.60	PoP	TR	0	7.75	ND	ND	--	0.8
5/30/2024	6.95	35.00	1.00	0.30	NM	NM	NM	--	5.45	36.90	0.5	0.1	1.5
6/13/2024	NM	NM	NM	--	8.55	PoP	TR	0	7.65	ND	ND	--	0.7
6/27/2024	7.02	35.00	1.00	0.20	9.00	PoP	TR	0	8.02	ND	ND	--	0.6
7/11/2024	6.70	35.10	1.00	0.25	8.48	PoP	TR	0.10	7.40	ND	ND	--	0.8
7/25/2024	5.94	35.20	1.00	0.20	10.20	ND	ND	--	7.01	ND	ND	--	0.7
8/8/2024	6.05	PoP	TR	0.10	7.90	ND	ND	--	6.85	ND	ND	--	0.5
9/5/2024	7.50	PoP	TR	0.10	7.54	PoP	TR	TR	7.01	ND	ND	--	0.9
9/19/2024	7.75	PoP	TR	TR	7.87	36.20	1.00	0.30	8.66	PoP	TR	0	0.4
10/4/2024	8.74	PoP	TR	0.1	8.04	36.20	1.00	0.20	7.98	ND	ND	--	0.7
10/17/2024	9.65	35.15	1.00	1.0	9.10	PoP	TR	TR	8.85	ND	ND	--	1.8
10/31/2024	10.00	35.32	0.94	0.8	9.30	35.30	1.88	0.30	9.00	ND	ND	--	1.3
11/15/2024	10.16	ND	ND	--	9.25	PoP	TR	0	9.46	ND	ND	--	0.3
12/3/2024	9.51	PoP	TR	0.1	8.95	ND	ND	--	9.15	PoP	TR	0	0.3
12/12/2024	9.75	ND	ND	--	9.28	34.52	2.30	0.35	9.64	ND	ND	--	0.9
12/26/2024	9.39	PoP	TR	0.03	8.95	PoP	TR	0.13	Not accessible			0	1.1
1/9/2025	8.72	ND	ND	--	8.91	ND	ND	--	9.13	ND	ND	--	0.0
1/23/2025	8.13	ND	ND	--	8.59	ND	ND	--	Not accessible			0	0.8
2/6/2025	7.52	ND	ND	--	8.59	36.70	0.40	0.10	9.00	ND	ND	--	0.5
2/22/2025	7.55	ND	ND	--	8.75	36.95	0.20	0.06	8.39	ND	ND	--	1.1
3/6/2025	7.14	PoP	TR	0	8.34	36.87	0.30	0.10	8.40	ND	ND	--	1.5
3/25/2025	8.22	ND	ND	--	8.75	ND	ND	--	8.35	ND	ND	--	1.2
4/3/2025	7.69	36.06	0.26	0	8.76	36.81	0.89	0.15	8.15	ND	ND	--	1.6
4/17/2025	7.74	ND	ND	--	8.85	ND	ND	--	8.02	ND	ND	--	1.8
5/1/2025	7.39	ND	ND	--	8.90	ND	ND	--	7.56	ND	ND	--	1.0
5/15/2025	7.70	36.03	0.28	0.05	8.13	36.87	0.30	0.05	7.67	ND	ND	--	0.9
5/29/2025	7.63	35.87	0.43	0.05	8.82	37.12	0.05	0	7.74	ND	ND	--	0.9
6/12/2025	6.61	35.90	0.40	0.10	8.54	36.90	0.27	0	Not accessible			0	0.8
6/26/2025	6.10	36.20	0.10	0	8.15	37.07	0.10	0	7.31	ND	ND	--	1.1
7/10/2025	6.18	35.00	1.21	0.20	8.02	36.74	0.43	TR	6.89	ND	ND	--	0.8
7/24/2025	6.65	ND	ND	--	8.03	36.50	0.67	0.10	7.21	ND	ND	--	1.1
8/7/2025	6.78	35.55	2.75	0	7.31	36.96	0.19	0	7.04	ND	ND	--	0.7
8/21/2025	7.21	35.91	0.39	0.06	7.83	37.01	0.16	0.02	7.22	ND	ND	--	0.9
9/4/2025	6.80	ND	ND	--	7.74	36.73	0.44	0	7.29	ND	ND	--	1.0
9/18/2025	6.91	ND	ND	--	7.79	36.92	0.25	0	7.16	ND	ND	--	0.6
10/2/2025	7.33	ND	TR	0	7.55	ND	TR	0	7.75	ND	ND	--	0.8
10/16/2025	7.94	35.50	0.80	0.10	7.47	ND	TR	0	7.87	ND	ND	--	0.8
10/30/2025	8.25	36.06	0.15	0	7.76	36.76	0.41	0	8.20	ND	ND	--	0.2
11/13/2025	8.74	ND	TR	0	8.28	36.02	1.15	0.20	8.72	ND	ND	--	0.9
11/20/2025	9.30	ND	TR	0	8.53	36.59	0.58	0.09	9.17	ND	ND	--	0.7
12/4/2025	8.42	ND	TR	0	5.27	34.26	2.57	0.50	9.05	ND	ND	--	1.1
12/18/2025	8.01	35.53	0.56	0.10	8.27	32.68	4.29	0.68	9.10	ND	ND	--	1.5
12/31/2025	8.80	35.76	0.33	0.05	8.42	36.43	0.54	0.10	8.99	ND	ND	--	0.8

TABLE 1

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

	MW-74B				MW-75B				MW-78A				
DNAPL Recovery Date	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	DTW (ft BTOC)	DTD (ft BTOC)	DNAPL Thickness (ft)	DNAPL Recovered (gal)	Approx DNAPL Recovered (gal)
1/15/2026	8.77	ND	ND	--	8.45	32.43	4.53	0.80	8.24	ND	ND	--	1.1
1/29/2026	8.02	ND	ND	--	8.21	34.53	2.40	0.40	9.15	ND	ND	--	0.7
2/12/2026	10.06	ND	ND	--	8.12	34.50	2.46	0.50	8.67	ND	ND	--	0.9
2/18/2026	NM	NM	NM	--	NM	NM	NM	--	NM	NM	NM	--	9.0
2/26/2026	7.50	ND	ND	--	8.43	33.70	3.40	0.56	8.50	ND	ND	--	0.9
3/12/2026	7.25	PoP	TR	0	7.85	35.88	1.07	0.33	8.23	ND	ND	--	0.9
3/26/2026	7.28	ND	ND	--	7.80	ND	ND	--	8.06	ND	ND	--	16.6
3/31/2026	7.40	ND	ND	--	8.14	36.85	0.35	0.06	8.09	ND	ND	--	8.3
Total DNAPL Pumped (gal)				***13.9***				***68.2***				***151.4***	***1175.2***

Notes:

* - indicates DNAPL and groundwater mixture

** - indicates DTD from previous event was used

--- - No DNAPL pumped

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

DTD - Depth to DNAPL (feet BTOC)

ND - Not detected

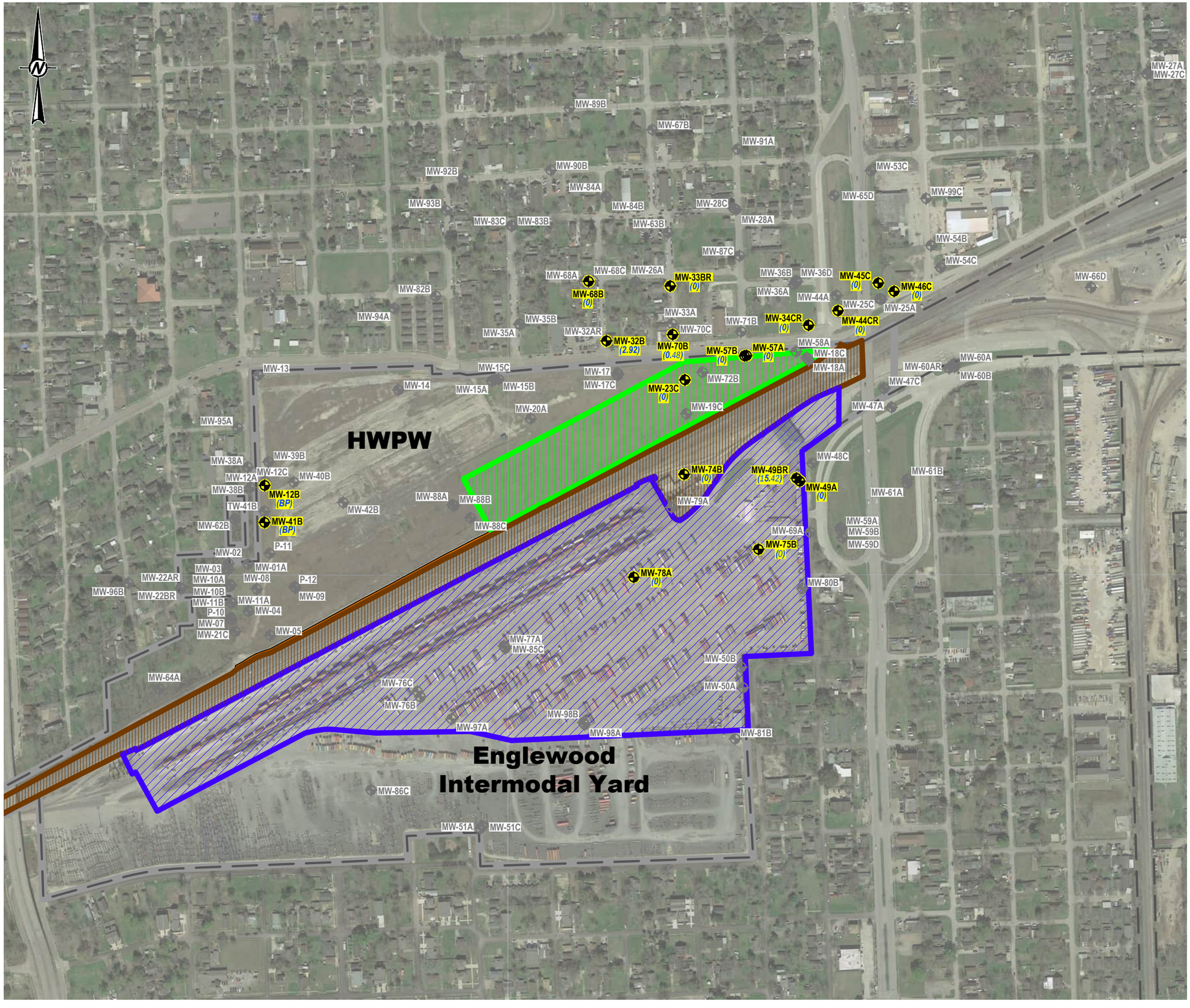
NM - Not measured

PoP - Product on probe, not measurable

TR - Trace amount of DNAPL measured and/or extracted

2.8

FIGURES



LEGEND

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

NOTE(S)

1. BP - BELOW PUMP; DEPTH TO DNAPL NOT MEASURED BECAUSE DNAPL IS BELOW TOP OF IN-WELL PUMP.
2. IN-WELL THICKNESS MEASURED MARCH 26, 2026.

REFERENCE(S)

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

0 200 400
1" = 400' FEET

CLIENT
UNION PACIFIC RAILROAD CO.

PROJECT
HOUSTON WOOD PRESERVING WORKS

TITLE
IN-WELL DNAPL THICKNESS
MARCH 26, 2026

CONSULTANT
wsp

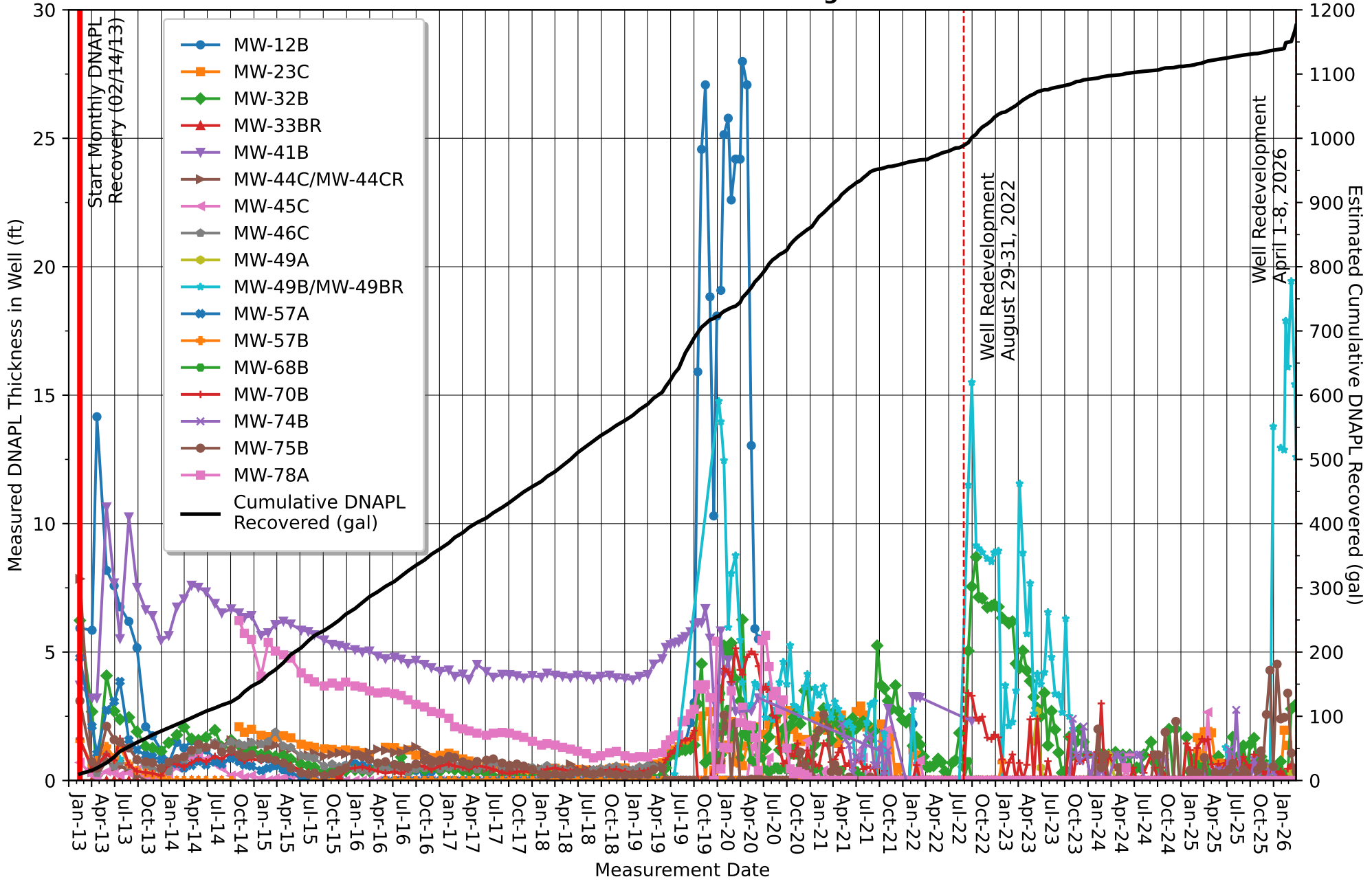
YYYY-MM-DD	2026-06-24
DESIGNED	AJD
PREPARED	AJD
REVIEWED	ECM
APPROVED	ECM

PROJECT NO. US0039040.3990 | REV. 0 | FIGURE 1

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

Path: \\corp.pbwan.net\US\Central\Data\USDAL-400\Texarkana\Projects - Round Rock_2019\19119232 - HWPW\2026-01\ | File Name: 1 - In-Well DNAPL Thickness (September 2023).dwg | Last Edited By: usadl701305 Date: 2026-01-21 Time:3:41:18 PM | Printed By: USADJ701305 Date: 2026-01-21 Time:3:43:07 PM

Figure 2
DNAPL Recovery Activities February 2013 - March 2026
UPRR Houston Wood Preserving Works



Note: MW-49BR replaced MW-49B in December 2025.
Note: MW-44CR replaced MW-44C in December 2025.

Figure 3
A-TZ Wells-DNAPL Recovery Activities July 2018 - March 2026
UPRR Houston Wood Preserving Works

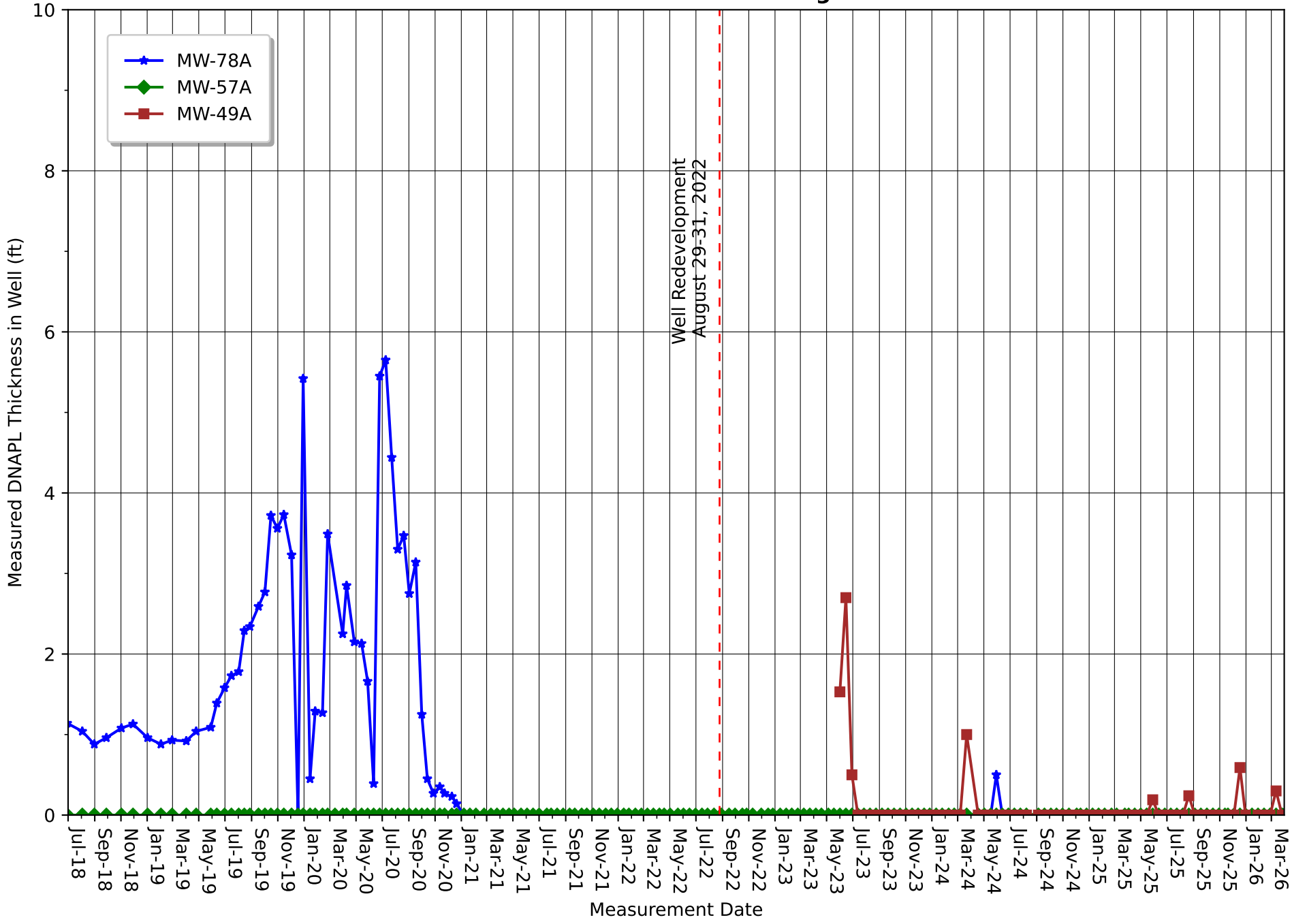
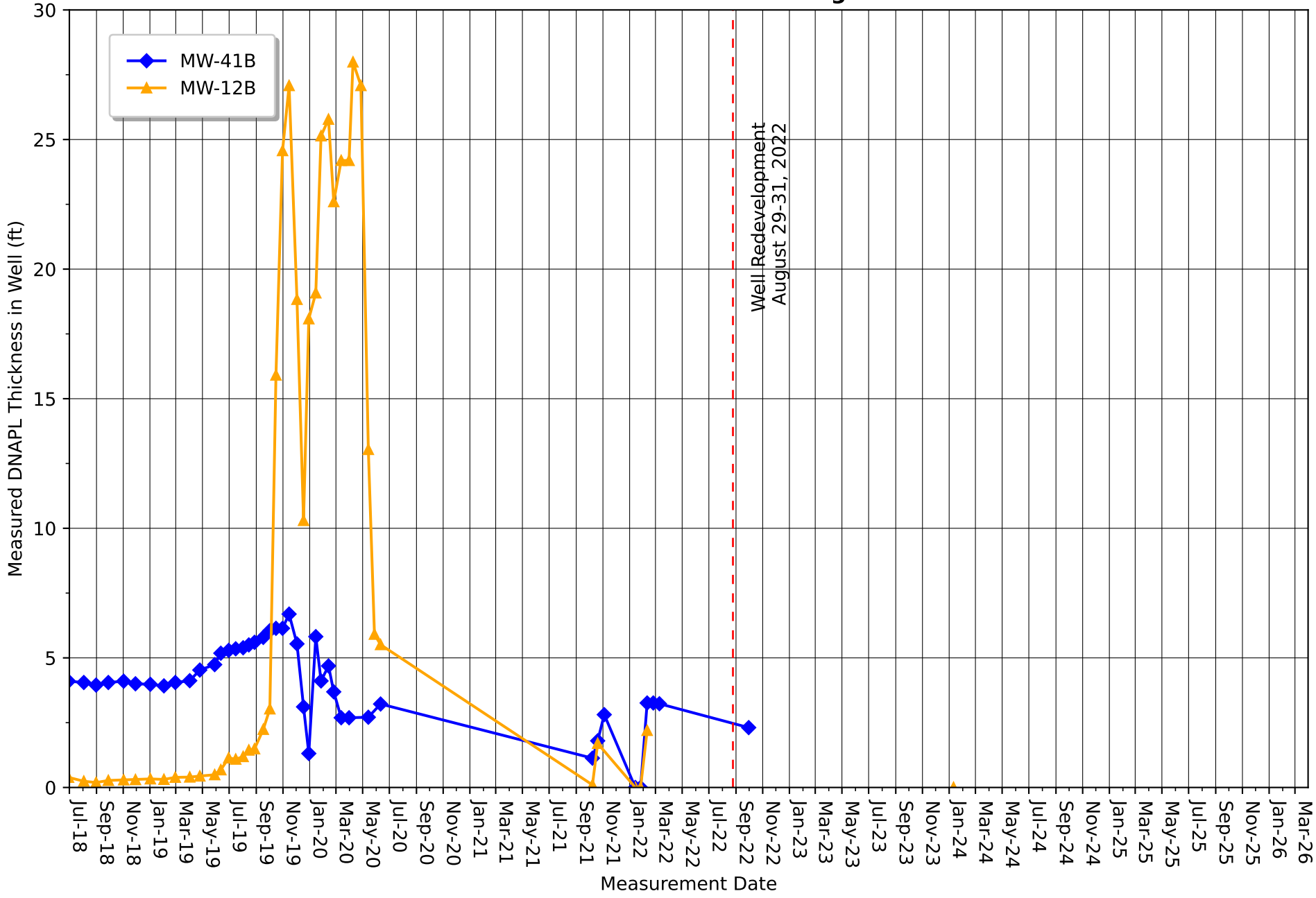


Figure 4
B-TZ Wells (West Side)-DNAPL Recovery Activities July 2018 - March 2026
UPRR Houston Wood Preserving Works



Note: The groundwater/DNAPL interface was below the top of the pneumatic pulse pump since September 2022.

Figure 5
B-CZ/B-TZ Wells (North (On-site and Off-site)-DNAPL Recovery Activities July 2018 - March 2026
UPRR Houston Wood Preserving Works

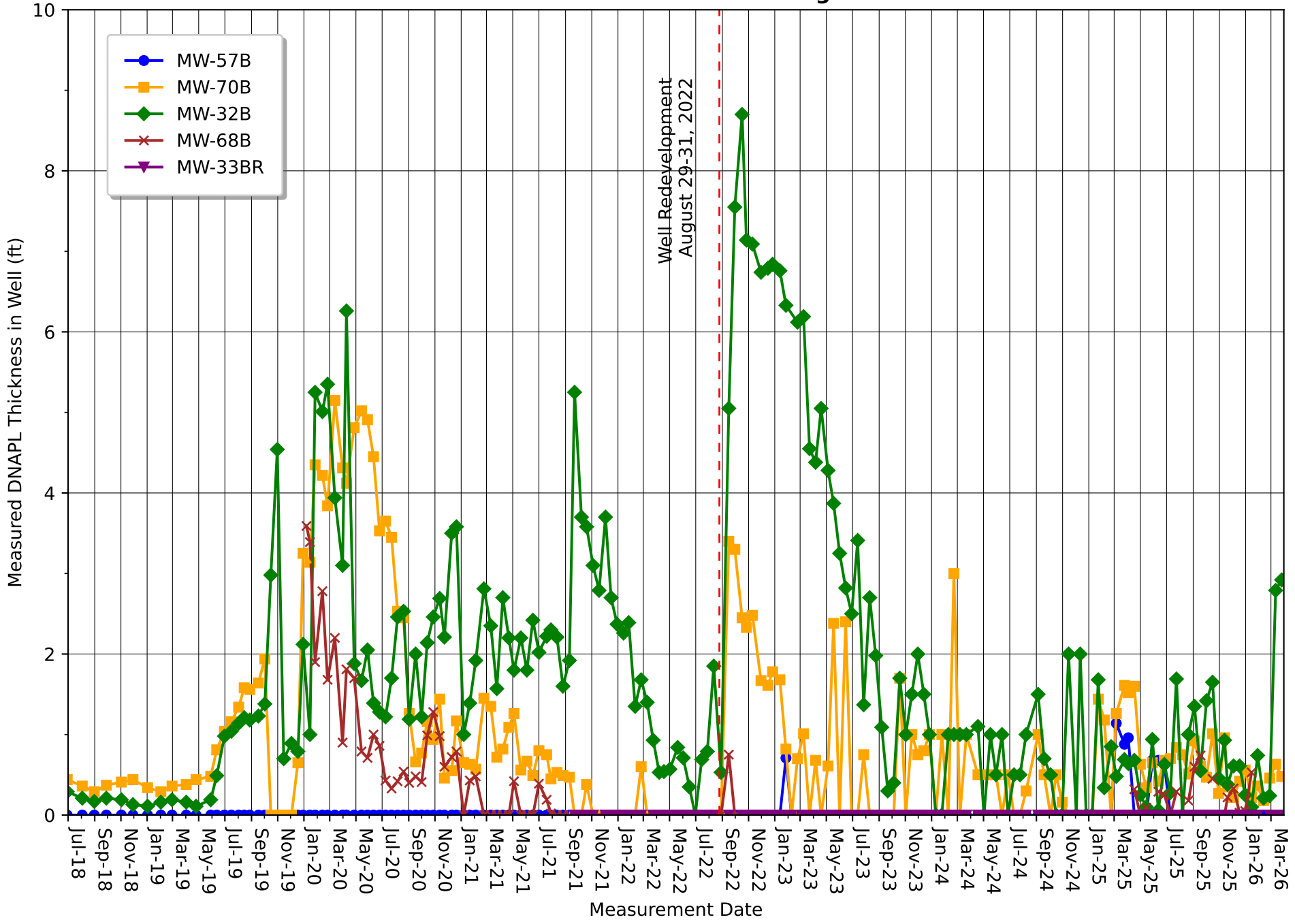
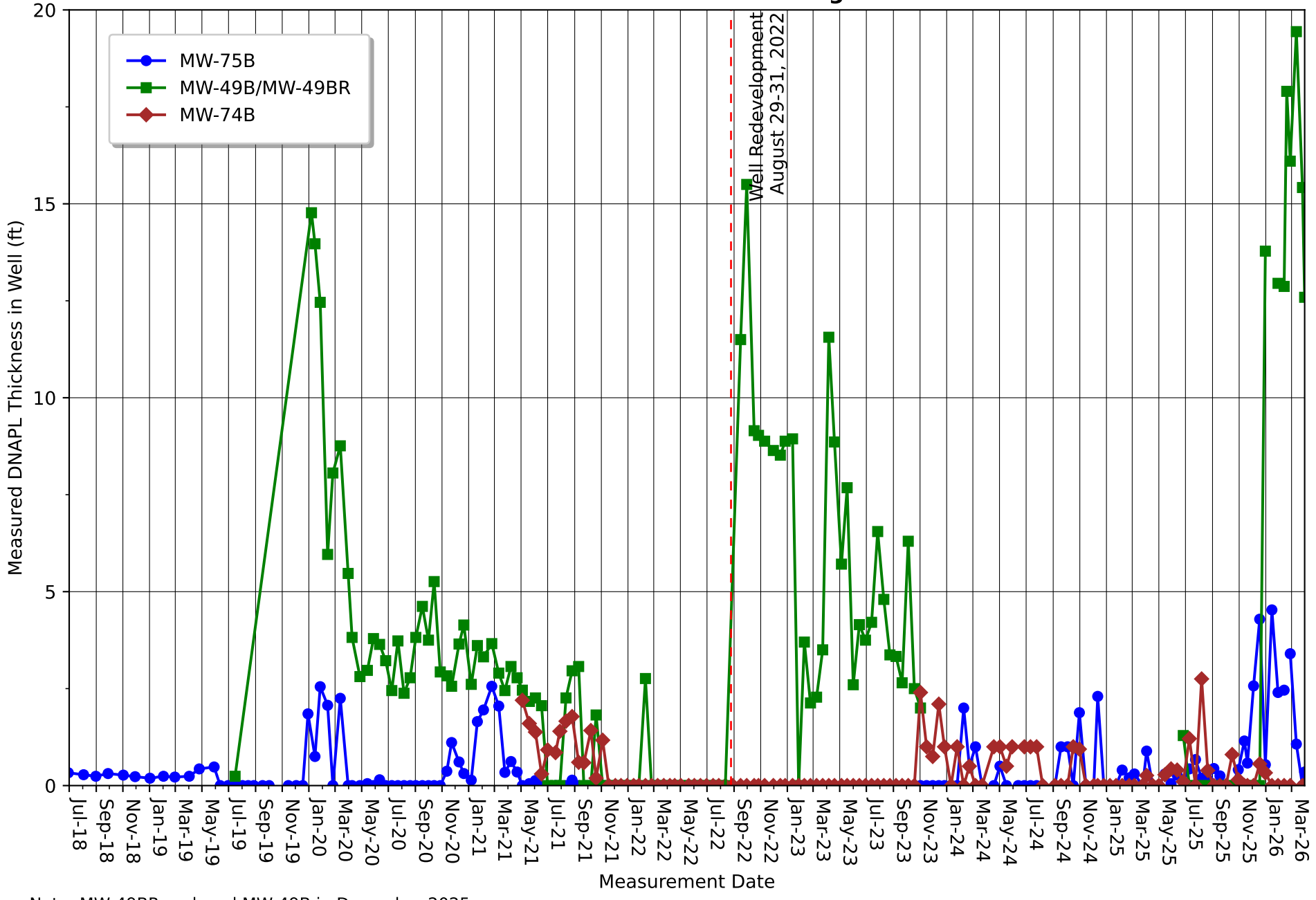
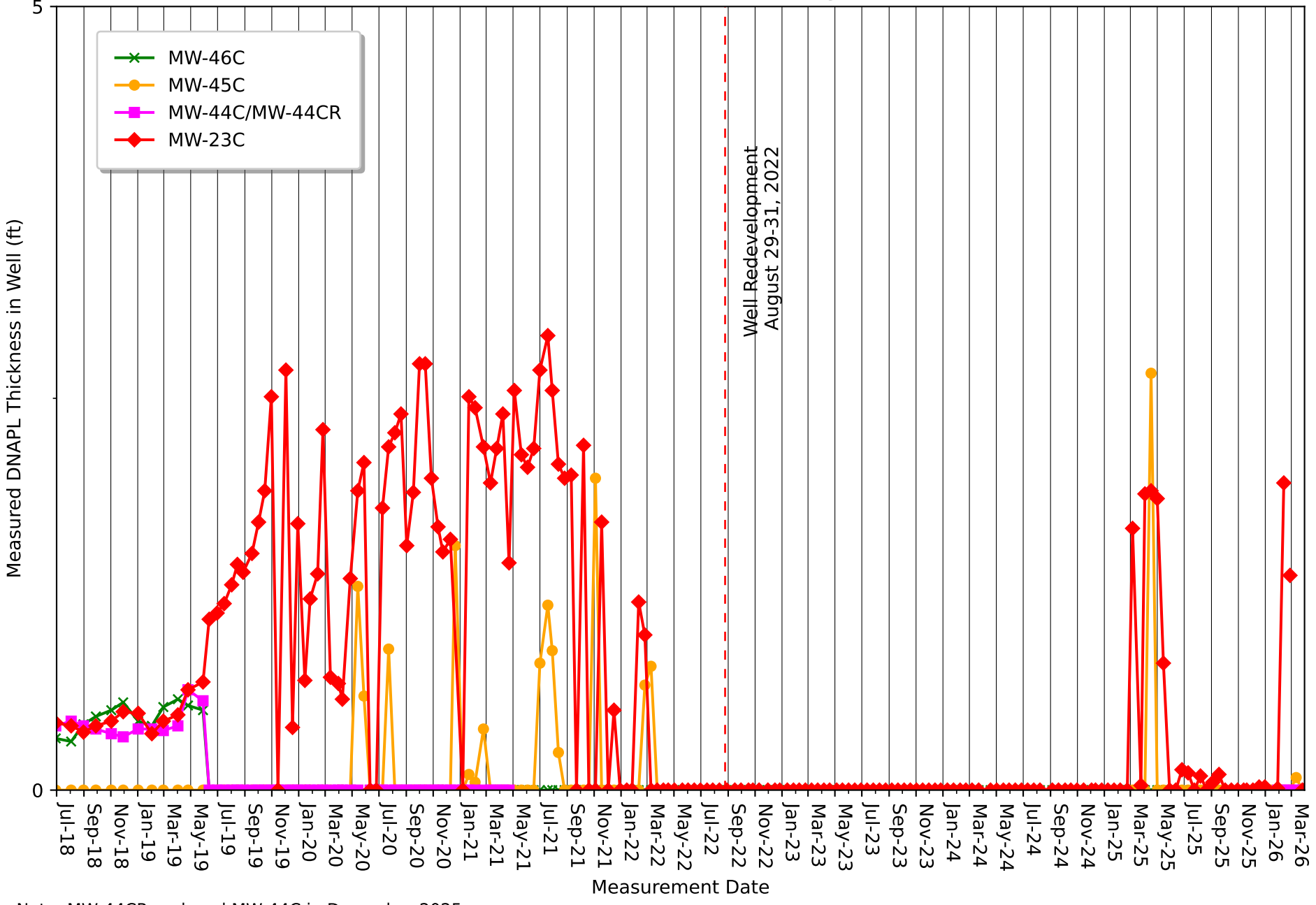


Figure 6
B-CZ/B-TZ Wells (Englewood Intermodal Yard)-DNAPL Recovery Activities July 2018 - March 2026
UPRR Houston Wood Preserving Works



Note: MW-49BR replaced MW-49B in December 2025.

Figure 7
C-TZ Wells-DNAPL Recovery Activities July 2018 - March 2026
UPRR Houston Wood Preserving Works



Note: MW-44CR replaced MW-44C in December 2025.

ATTACHMENT 1

Recovered DNAPL Waste Manifest

Please print or type. 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	025006402 JJK

GENERATOR

5. Generator's Name and Mailing Address: Union Pacific Railroad (UPRR) c/o GHD
9100 Centre Pointe Dr Suite 240
West Chester, OH 45069
Generator's Phone: 414-267-4164

Generator's Site Address (if different than mailing address)
4910 Liberty Rd
Houston, Tx 77026

6. Transporter 1 Company Name: E3 Environmental Deer Park
U.S. EPA ID Number: TXD981055163

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: US Ecology Robstown
3277 County Rd 69
Robstown, Tx 78380
Facility's Phone: 800-242-3209
U.S. EPA ID Number: TXD069452340

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ NA3082 Hazardous Waste Liquid, NOS Creosote, Benzene) 9 PG III (F034)	3	DM	600	P	F034 D018 D019 219H
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) Profile#090130010-0 Exp. 3.24.26 WR#024612 ERG 171
Job#135-26-0009
PO#135-2026-0020

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: Anthony Mcmullins on behalf of UPRR
Signature: [signature]
Month: 2 Day: 25 Year: 26

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Alfredo Flores
Signature: [signature]
Month: 2 Day: 25 Year: 26

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
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.
H042			

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: Terrence Carter
Signature: [signature]
Month: 02 Day: 27 Year: 26