Atlantic Richfield Company

Paul G. Johnson

Operations Project Manager

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December 6, 2019

Jessica LaClair
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7016

RE: Monthly Progress Report, November 2019 Former Anaconda Plant (a.k.a. Harbor at Hastings Site) Site No. 3-60-022 Hastings-On-Hudson, New York

Dear Ms. LaClair:

Enclosed is the November 2019 Monthly Progress Report for the Former Anaconda Plant (a.k.a. Harbor at Hastings Site), New York State Department of Environmental Conservation (NYSDEC) Site No. 3-60-022, Hastings-on-Hudson, New York. This progress report has been prepared in accordance with Section XI of the AMENDED ORDER ON CONSENT and ADMINISTRATIVE SETTLEMENT between Atlantic Richfield Company and NYSDEC, dated November 6, 2013. The time period covered is November 1, 2019 through November 30, 2019.

If you have any questions or comments on this submittal, please feel free to contact me at 630-731-4463.

Sincerely,

Paul G. Johnson

Operations Project Manager

Enclosure



• Page 2

cc: Maureen Schuck, New York State Department of Health

Francis Frobel, Hastings-On-Hudson Mark Chertok, Hastings-On-Hudson Karl Coplan, Pace/Riverkeeper

Martha Gopal, Sovereign Consulting Inc.

File

ecc: Jacquelyn Nealon, New York State Department of Health

Kevin Farrar, New York State Department of Environmental Conservation

Benjamin Conlon, Esq. New York State Department of Environmental Conservation,

Office of General Counsel

Jim Lucari, BP

Michael Daneker, Arnold & Porter



FORMER ANACONDA WIRE AND CABLE PLANT SITE (a.k.a. HARBOR AT HASTINGS SITE) OU1 NYSDEC SITE 360022 MONTHLY PROGRESS REPORT 174

PREPARED BY: Atlantic Richfield Company

Paul Johnson

REPORTING PERIOD: November 1, 2019 through November 30, 2019

1. PROGRESS MADE THIS REPORTING PERIOD:

• DNAPL gauging and recovery was performed on November 4th, 2019. HARW-5 was gauged and pumped as required by the August 2011 Design Basis Memorandum.

2. UNANTICIPATED PROBLEM AREAS AND RECOMMENDED SOLUTIONS

• None this reporting period.

3. PROBLEMS RESOLVED

• None this reporting period.

4. DELIVERABLES SUBMITTED / RECEIVED

- November 7, 2019, Atlantic Richfield to NYSDEC: *Hastings October 2019 Monthly Progress Report*.
- November 27, 2019, Atlantic Richfield to USEPA: *Toxic Substances Control Act Risk-Based Disposal Application (TSCA RBDA)*.

5. UPCOMING EVENTS / ACTIVITIES PLANNED

- The next three DNAPL gauging and recovery events are tentatively scheduled to occur the weeks of January 6th, February 3rd, and March 2nd, 2020.
- Continue the Water Tower LNAPL IRM activities, as allowable, in accordance with the IRM Work Plan (Fluor Daniel GTI, December 1997), Fluor Daniel GTI correspondence to the NYSDEC dated May 18, 1998 and Atlantic Richfield correspondence with the NYSDEC on September 2, 2010. The upcoming LNAPL IRM events are tentatively scheduled to occur the week of January 6th, 2020, and the week of April 6th, 2020 in accordance with the schedule modification request, from monthly to

quarterly, sent by Atlantic Richfield to NYSDEC on June 4, 2012, and the approval letter received from NYSDEC dated April 2, 2013.

6. KEY STAFFING

- Sovereign Consulting Inc.
- Parsons Environment and Infrastructure Group, Inc. (OM&M)
- Parsons Environment and Infrastructure Group, Inc. (Security)

7. PERCENTAGE COMPLETE

- DNAPL gauging and recovery ongoing
- LNAPL IRM ongoing

8. <u>DATA</u>

• Final data not generated during this reporting period.

9. CITIZEN PARTICIPATION ACTIVITIES

• None this reporting period.

LIST OF ACRONYMS

Acronym Description

NYSDEC New York State Department of Environmental

Conservation

LNAPL Light Non-Aqueous Phase Liquid

DNAPL Dense Non-Aqueous Phase Liquid

OU Operable Unit

IRM Interim Remedial Measure

O&M Operations and Maintenance

LIST OF REFERENCES

<u>FLUOR Daniel GTI, 1997. Draft Interim Remedial Measure Work Plan – Separate Phase Liquid Recovery. December.</u>

TABLE I
NOVEMBER DNAPL PUMPING SUMMARY (WEEK OF 11/4/2019)
ATLANTIC RICHFIELD
1 RIVER STREET
HASTINGS-ON-HUDSON, NEW YORK

Well ID	Date Gauged/ Pumped	Installation Angle (deg)	Pre-Pumping Uncorrected Apparent Height (inches)	Pre-Pumping Corrected Apparent Height (inches)	Post-Pumping Uncorrected Apparent Height (inches)	Post-Pumping Corrected Apparent Height (inches)	Total Fluids Removed (gallons) ⁴	Total DNAPL Removed (gallons) ⁶	Post-Purging Distance of DNAPL Surface Below MS/Fill Interface (ft) ⁵
HARW-1	11/4/2019 ¹	0	0	0	NA**	NA**	NA**	NA**	NA**
HARW-2	11/4/2019 ² NA** ³	0	2.0	2.0	NA**	NA**	NA**	NA**	4.5
HARW-3	11/4/2019 ² NA** ³	16.5	6.0	5.8	NA**	NA**	NA**	NA**	3.8
HARW-4	11/4/2019 ² NA** ³	24.5	19.0	17.3	NA**	NA**	NA**	NA**	2.7
	11/4/2019 2		34.0	31.2					
HARW-5	11/4/2019 3	23.5			2.0	1.8	42.0	7.0	4.2
HARW-6	11/4/2019 2	14.0	8.0	7.8			NA**	NA**	3.9
	NA** 3				NA**	NA**			
HARW-7	11/4/2019 2	0	18.0	18.0			NA**	NA**	3.2
117411117	NA** 3	Ů			NA**	NA**			5.2
HARW-8	11/4/2019 2	0	18.0	18.0			NA**	NA**	3.2
	NA** 3				NA**	NA**	•		
HAOW-12A	11/4/2019 2	0	14.0	14.0			NA**	NA**	4.0
	NA** 3	-			NA**	NA**			-

Total Gallons of DNAPL Removed:

7.0

Notes:

Apparent Height: refers to the distance between the DNAPL surface and the bottom of the well sump which includes all fluids (groundwater and DNAPL) in the matrix. NA: Not Applicable

 $^{^{1}\}mathrm{DNAPL}$ not present, pumping not completed in this well

²Pre-pumping gauge date

³Post-pumping gauge date.

 $^{^4}$ Total gallons of fluid (DNAPL and groundwater) removed from well based on measurement in container.

⁵Represents the distance of the post-purging DNAPL material interface from the top of the MS/Fill interface.

⁶Unless otherwise noted, this column refers to the total volume of DNAPL removed based calculation of volume based on well diameter and height of DNAPL in the well.

^{*}DNAPL is present but is under 6-inches and discontinuous.

^{**}Volume in the well is less than threshold required to perform DNAPL pumping procedures.

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) ³	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
MW-12	Cumulative 10/9/2006 - 7/29/2010	-	-	-	5.0			
		TOTAL VOLUME REC	COVERED TO DATE FR	OM MW-12 (GALLONS)	5.0			
		1		1	1			
HAOW-12A	Cumulative 3/2/2009 - 12/10/2016 1/16/2017	42.0	1.6	-	49.7	37	DMT ⁴	-
	2/20/2017			or pumping not completed	due to adverse weather conditions		-	-
	3/6/2017	42.3	1.3	-	-	49	DMT ⁴	
	4/3/2017	42.2	1.4	-	-	28	DMT ⁴	-
	5/1/2017 6/5/2017	42.1 42.3	1.5	-	-	28 35	DMT ⁴	-
	7/10/2017	42.3	1.3	-	-	35	DMT ⁴	-
	8/7/2017	42.3	1.3	-	-	28	DMT ⁴	-
	9/11/2017	42.5	1.1	-	-	35	DMT 4	-
	10/9/2017 11/6/2017	42.3 42.3	1.3	-	-	28 28	DMT ⁴	-
	12/4/2017	42.3		g not required to be comp	eleted (10 event requirement met)	20	-	
	1/8/2018	ı	DNAPL gauging of		due to adverse weather conditions		- ,	•
	2/5/2018 3/5/2018	42.2 42.3	1.4	-	-	91 28	DMT ⁴	-
	3/5/2018 4/2/2018	42.3 42.0	1.6	-	-	28	DMT ⁴	-
	5/7/2018	41.9	1.7	-	-	35	DMT ⁴	-
	6/5/2018	42.5	1.1	-	-	29	DMT ⁴	-
	7/9/2018	42.2	1.4	-	-	34	DMT ⁴	-
	8/6/2018	42.3	1.3	-	-	28	DMT ⁴	-
	9/10/2018 10/1/2018	42.3 41.9	1.3	-	-	35 21	DMT ⁴	-
	11/5/2018	42.9	0.8	-	-	35	DMT ⁴	
	12/10/2018	42.2	1.4	-	-	35	DMT ⁴	-
	1/14/2019	42.9	0.7	-	-	35	DMT ⁴	=
	2/4/2019	42.3	1.3	-	-	21	DMT ⁴	-
	3/11/2019 4/1/2019	42.4 42.6	1.2	-	-	35	DMT ⁴	-
	5/6/2019	42.6 42.5	1.0	-	-	21 35	DMT ⁴	-
	6/3/2019	42.4	1.2	-	-	28	DMT ⁴	-
	8/5/2019	42.5	1.1	-	-	63	DMT ⁴	
	9/9/2019	42.4	1.2	-	-	35	DMT ⁴	
	10/7/2019	42.6	1.0	-	-	28	DMT ⁴	-
			1.0 1.2	-	-			-
	10/7/2019 11/4/2019	42.6 42.4	1.0	- - HAOW-12A (GALLONS)	49.7	28	DMT ⁴	-
	10/7/2019 11/4/2019 70	42.6 42.4	1.2	- - HAOW-12A (GALLONS)	•	28	DMT ⁴	
HARW-1	10/7/2019 11/4/2019 70 Cumulative 9/29/2010 - 12/10/2016	42.6 42.4 TAL VOLUME RECOVE	1.2 ERED TO DATE FROM I	- - HAOW-12A (GALLONS) -	49.7 0.0	28 28	DMT ⁴ DMT ⁴	
HARW-1	10/7/2019 11/4/2019 70	42.6 42.4	1.2 ERED TO DATE FROM I - 0.0	-	•	28	DMT ⁴	
HARW-1	10/7/2019 11/4/2019 70 Cumulative 9/29/2010 - 12/10/2016 1/16/2017 2/20/2017 3/6/2017	42.6 42.4 TAL VOLUME RECOVE	1.2 ERED TO DATE FROM I - 0.0	-	0.0	28 28 - - 37 49	DMT ⁴ DMT ⁴ - DMT ⁴ - DMT ⁴ - DMT ⁴	
HARW-1	10/7/2019 11/4/2019 70 Cumulative 9/29/2010 - 12/10/2016 11/6/2017 2/20/2017 3/6/2017 4/3/2017	42.6 42.4 TAL VOLUME RECOVE No product detected No product detected No product detected	1.2 ERED TO DATE FROM I 0.0 DNAPL gauging o 0.0 0.0	-	0.0	28 28 37 49 28	DMT ⁴ DMT ⁴ DMT ⁴ DMT ⁴ DMT ⁴ DMT ⁴	
HARW-1	10/7/2019 11/4/2019 TO Cumulative 9/29/2010 - 12/10/2016 1/16/2017 2/20/2017 4/3/2017 5/1/2017	42.6 42.4 TAL VOLUME RECOVE No product detected No product detected No product detected No product detected	1.2 ERED TO DATE FROM I 0.0 DNAPL gauging c 0.0 0.0 0.0	-	0.0	28 28	DMT ⁴	
HARW-1	10/7/2019 11/4/2019 70 Cumulative 9/29/2010 - 12/10/2016 1/16/2017 2/20/2017 4/3/2017 5/1/2017 6/5/2017	42.6 42.4 TAL VOLUME RECOVE No product detected No product detected No product detected No product detected No product detected No product detected	1.2 ERED TO DATE FROM I 0.0 DNAPL gauging 0 0.0 0.0 0.0 0.0	-	0.0	28 28	DMT ⁴	
HARW-1	10/7/2019 11/4/2019 TO Cumulative 9/29/2010 - 12/10/2016 11/6/2017 2/20/2017 3/6/2017 4/3/2017 6/5/2017 7/10/2017	42.6 42.4 7AL VOLUME RECOVE No product detected	1.2 ERED TO DATE FROM I 0.0 DNAPL gauging c 0.0 0.0 0.0	-	0.0	28 28 37 49 28 28 35 35	DMT ⁴	
HARW-1	10/7/2019 11/4/2019 TO Cumulative 9/29/2010 - 12/10/2016 1/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017	42.6 42.4 TAL VOLUME RECOVE No product detected No product detected No product detected No product detected No product detected No product detected	1.2 1.2 0.0 DNAPL gauging c 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	-	0.0	28 28 37 49 28 28 35 35 35	DMT 4 DMT 4	
HARW-1	10/7/2019 11/4/2019 TO Cumulative 9/29/2010 - 12/10/2016 1/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017	42.6 42.4 No product detected	1.2 1.2 1.2 0.0 0.0 DNAPL gauging of 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-	0.0	28 28 37 49 28 28 35 35 28 35 28	DMT 4	
HARW-1	10/7/2019 11/4/2019 70 Cumulative 9/29/2010 - 12/10/2016 1/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017	42.6 42.4 No product detected	1.2 0.0 DNAPL gauging of 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	or pumping not completed	0.0	28 28 37 49 28 28 35 35 35	DMT 4 DMT 4	
HARW-1	10/7/2019 11/4/2019 TO Cumulative 9/29/2010 - 12/10/2016 11/6/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017	42.6 42.4 No product detected	1.2 1.2 O.0 DNAPL gauging of 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	r pumping not completed	0.0 - due to adverse weather conditions	28 28 37 49 28 28 35 35 28 35 28	DMT 4	
HARW-1	10/7/2019 11/4/2019 11/4/2019 TO Cumulative 9/29/2010 - 12/10/2016 1/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 11/6/2018	42.6 42.4 No product detected	1.2 1.2 0.0 0.0 0.0 0.0 0.0 0.0	r pumping not completed	0.0	28 28 37 49 28 28 35 35 28 35 28 35 28	DMT 4 DMT 4	
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HARW-1	10/7/2019 11/4/2019 11/4/2019 11/4/2019 Cumulative 9/29/2010 - 12/10/2016 1/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 11/6/2017 12/4/2017 18/2018 3/5/2018 4/2/2018 5/7/2018 6/5/2018 7/9/2018 8/6/2018 9/10/2018	42.6 42.4 No product detected	1.2 1.2 0.0 DNAPL gauging (0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	g not required to be completed	0.0 - due to adverse weather conditions	28 28 28 37 49 28 28 35 35 35 28 35 28 35 28 35 28 35 28 35 28 35 28 35 28 35 35 35 36 37 37 37 38 38 38 38 38 38 38 38 38 38 38 38 38	DMT 4 DMT 4	
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HARW-1	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/16/2017 2/20/2017 3/6/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 11/6/2017 12/4/2018 5/5/2018 3/5/2018 4/2/2018 5/7/2018 6/5/2018 1/5/2018	42.6 42.4 No product detected	1.2 1.2 0.0 0.0 0.0 0.0 0.0 0.0	g not required to be completed	due to adverse weather conditions	28 28 37 49 28 38 38 38 35 38 38 28 39 91 28 28 38 39 31 31 31 32 31 33 35 31 31 31 32 33 33 33 33 33 33 33 33 33 33 33 33	DMT 4 DMT 4	
HARW-1	107/2019 11/4/2019 11/4/2019 11/4/2019 Cumulative 9/29/2010 - 12/10/2016 1/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 6/5/2017 7/10/2017 1/10/2017 1/10/2017 1/10/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2018 2/5/2018 3/5/2018 4/2/2018 5/7/2018 6/5/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2019 1/1/2019 1/1/2019	42.6 42.4 No product detected	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	g not required to be completed	due to adverse weather conditions	28 28 28 37 37 49 28 28 35 35 28 35 28 35 28 35 28 21 35 21 35 21 35	DMT 4 DMT 4	
HARW-1	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/16/2017 2/20/2017 3/6/2017 5/1/2017 6/5/2017 7/10/2017 6/5/2017 7/10/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 3/5/2018 4/2/2018 5/7/2018 6/5/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2019 1/4/2019 1/4/2019 1/4/2019 1/4/2019 1/4/2019 1/4/2019 1/4/2019 1/4/2019	42.6 42.4 17AL VOLUME RECOVE No product detected	1.2 1.2 O.0 DNAPL gauging of 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	g not required to be completed	due to adverse weather conditions	28 28 28 37 49 28 38 38 35 38 35 28 38 39 91 28 28 28 35 35 28 28 21 31 35 35 21 35 35 21 35 21 35 21 35 22 22 22 22 22 22 22 22 22 22 22 22 22	DMT 4 DMT 4	
HARW-1	107/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 11/6/2018 2/5/2018 3/5/2018 4/2/2018 5/7/2018 6/5/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019	42.6 42.4 No product detected	1.2 1.2 0.0 0.0 0.0 0.0 0.0 0.0	g not required to be completed	due to adverse weather conditions	28 28 28 37 49 28 28 38 35 35 28 35 28 28 35 28 28 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35	DMT 4 DMT 4	
HARW-1	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/16/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 3/5/2018 4/2/2018 5/7/2018 6/5/2018 1/6/2019 3/11/2019 4/1/2019 4/1/2019 4/1/2019 4/6/2019 8/5/2019	42.6 42.4 17AL VOLUME RECOVE No product detected		g not required to be completed	due to adverse weather conditions	28 28 28 37 49 28 28 38 38 35 38 35 28 28 28 28 28 35 28 21 35 35 21 35 35 21 35 21 35 21 35 21 35 21 35 21 35 21 35 21 35 21 35 21 35 35 21 35 35 35 35 35 35 35 35 35 35 35 35 35	DMT 4 DMT 4	
HARW-1	107/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 11/6/2018 2/5/2018 3/5/2018 4/2/2018 5/7/2018 6/5/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019 1/1/2019	42.6 42.4 No product detected	1.2 1.2 0.0 0.0 0.0 0.0 0.0 0.0	g not required to be completed	due to adverse weather conditions	28 28 28 37 49 28 28 38 35 35 28 35 28 28 35 28 28 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35	DMT 4 DMT 4	
HARW-1	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/16/2017 2/20/2017 3/6/2017 5/1/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 1/10/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 2/5/2018 3/5/2018 4/2/2018 5/7/2018 6/5/2018 1/9/2019 1/9/2019 1/9/2019 1/9/2019 1/9/2019	42.6 42.4 No product detected	1.2 1.2 0.0 0.0 0.0 0.0 0.0 0.0	g not required to be completed	due to adverse weather conditions	28 28 28 37 49 28 28 38 35 35 35 28 35 28 28 35 35 28 28 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 35 21 35 21 35 35 21 35 21 35 28	DMT 4 DMT 4	

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) ³	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
HARW-2	Cumulative 9/29/2010 - 12/10/2016 1/18/2017	36.0	4.0	0.7	711.4 8.7	- 37	DMT ⁴	double diaphragm pump
	2/20/2017				due to adverse weather conditions		-	-
	3/6/2017 4/3/2017	36.3 38.0	3.7 2.0	0.2 0.04	9.1 5.1	47	DMT ⁴	double diaphragm pump
-	5/1/2017	38.0	1.6	0.04	5.1	28 28	DMT ⁴	double diaphragm pump
	6/5/2017	36.0	4.0	0.17	10.0	35	DMT ⁴	double diaphragm pump
	7/10/2017	38.2	1.8	-	-	35	DMT ⁴	-
	8/8/2017	35.3	4.7	0	12.2	29	DMT ⁴	double diaphragm pump
	9/11/2017	39.5	0.5	-	-	34	DMT ⁴	-
	10/9/2017	36.9	3.1	0.2	7.6	28	DMT ⁴	double diaphragm pump
	11/6/2017 12/4/2017	39.0	1.0	-	-	28	DMT ⁴	-
	1/8/2018				due to adverse weather conditions		-	
	2/5/2018	34.3	5.7	0.08	14.6	91	DMT ⁴	double diaphragm pump
	3/5/2018	38.8	1.3	-	-	28	DMT ⁴	-
	4/3/2018	36.9	3.1	0	8.1	29	DMT ⁴	double diaphragm pump
	5/7/2018	38.2	1.8		-	34	DMT ⁴	-
	6/5/2018	36.6	3.4	0.17	8.5	29	DMT ⁴	double diaphragm pump
	7/9/2018 8/6/2018	38.5 37.5	1.5 2.5	0.3	5.7	34 28	DMT ⁴	double diaphragm pump
	9/10/2018	38.4	1.6	0.3	5.7	35	DMT ⁴	double diapriragm pump
	10/1/2018	37.5	2.5	0.08	6.3	21	DMT ⁴	double diaphragm pump
	11/5/2018	40.0	0.0	-	-	35	DMT ⁴	-
	12/10/2018	38.0	2.0	0.08	5	35	DMT ⁴	double diaphragm pump
	1/14/2019	38.8	1.3	-	-	35	DMT ⁴	-
	2/4/2019	38.0	2.0	0.08	5	21	DMT ⁴	double diaphragm pump
	3/11/2019	38.8	1.2	-	-	35	DMT ⁴	-
	4/1/2019	38.5	1.5		-	21	DMT ⁴	
	5/6/2019 6/3/2019	36.8 38.8	3.2 1.3	0.25	7.6	35 28	DMT ⁴	double diaphragm pump
	8/5/2019	36.8	3.2	0.25	7.6	63	DMT ⁴	double diaphragm pump
	9/9/2019	38.5	1.5	0.23	-	35	DMT ⁴	-
	10/7/2019	37.8	2.3	0.08	5.7	28	DMT ⁴	double diaphragm pump
	11/4/2019	39.8	0.2	-		28	DMT ⁴	-
		TOTAL VOLUME RECO	VERED TO DATE FRO	W HARW-2 (GALLONS)	838.2			
HARW-3	Cumulative 10/14/2010 - 12/10/2016	-			25.3	•		-
	1/16/2017	37.4	1.6	-	-	37	DMT ⁴	-
	2/20/2017			r pumping not completed	due to adverse weather conditions		- ,	-
	3/6/2017	37.9 37.6	1.1	-	-	49	DMT ⁴	-
	4/3/2017	37.6	1.4	-	-	28 28	DMT ⁴	<u> </u>
	5/1/2017 6/5/2017	37.7	1.3		-	35	DMT ⁴	
	7/10/2017	37.3	1.7		-	35	DMT ⁴	-
	8/7/2017	37.6	1.4	-	-	28	DMT ⁴	-
	9/11/2017	37.2	1.8	-	-	35	DMT ⁴	-
	10/9/2017	37.6	1.4	-	-	28	DMT ⁴	-
	11/6/2017	37.7	1.3			28	DMT ⁴	-
	12/4/2017 1/8/2018		DNAPL gauging (g not required to be comp	eleted (10 event requirement met) due to adverse weather conditions		-	
	2/5/2018	37.5	1.5	- pamping not completed	-	91	DMT ⁴	
	3/5/2018	37.2	1.8	-		28	DMT ⁴	-
	4/2/2018	37.5	1.5	0.3	3.3	28	DMT ⁴	double diaphragm pump
	5/7/2018	38.6	0.4	-	-	35	DMT ⁴	-
	6/5/2018	38.7	0.3	-	-	29	DMT 4	
	7/9/2018	38.7	0.3	-	-	34	DMT ⁴	-
	8/6/2018	38.6	0.4	-	-	28	DMT ⁴	-
				-	-	35	DMT ⁴	<u> </u>
	9/10/2018	38.6	0.4					
	9/10/2018 10/1/2018	38.6	0.4	-	-	21	DMT ⁴	
	9/10/2018 10/1/2018 11/5/2018	38.6 38.8	0.4 0.2	-	-	35	DMT ⁴	-
	9/10/2018 10/1/2018 11/5/2018 12/10/2018	38.6 38.8 38.8	0.4 0.2 0.3	-	-	35 35	DMT ⁴	-
	9/10/2018 10/1/2018 11/5/2018	38.6 38.8 38.8 38.7	0.4 0.2 0.3 0.3	-		35 35 35	DMT ⁴	-
	9/10/2018 10/1/2018 11/5/2018 12/10/2018 12/10/2018	38.6 38.8 38.8	0.4 0.2 0.3	-	-	35 35	DMT ⁴ DMT ⁴ DMT ⁴	- - -
	9/10/2018 10/1/2018 11/5/2018 11/5/2018 12/10/2018 1/14/2019 2/4/2019	38.6 38.8 38.8 38.7 38.7	0.4 0.2 0.3 0.3 0.3	-	-	35 35 35 21	DMT ⁴ DMT ⁴ DMT ⁴ DMT ⁴	- - -
	9/10/2018 10/1/2018 11/5/2018 12/10/2018 12/10/2018 1/14/2019 2/4/2019 3/11/2019	38.6 38.8 38.8 38.7 38.7 38.6	0.4 0.2 0.3 0.3 0.3 0.4	-	-	35 35 35 21 35	DMT ⁴ DMT ⁴ DMT ⁴ DMT ⁴ DMT ⁴	- - -
	9/10/2018 10/1/2018 11/5/2018 12/10/2018 1/1/4/2019 2/4/2019 3/11/2019 4/1/2019	38.6 38.8 38.8 38.7 38.7 38.6 38.8	0.4 0.2 0.3 0.3 0.3 0.4 0.3	-	-	35 35 35 21 35 21	DMT ⁴	- - -
	9/10/2018 10/1/2018 11/5/2018 12/10/2018 12/10/2019 2/4/2019 3/11/2019 4/1/2019 5/6/2019 8/5/2019	38.6 38.8 38.8 38.7 38.7 38.6 38.8	0.4 0.2 0.3 0.3 0.3 0.4 0.3 0.3 0.4 0.5	-	-	35 35 35 21 35 21 35 21 35 28 63	DMT 4	- - -
	9/10/2018 10/1/2018 11/5/2018 11/5/2018 12/10/2018 1/14/2019 2/4/2019 3/11/2019 4/1/2019 5/6/2019 8/5/2019 9/9/2019	38.6 38.8 38.7 38.7 38.7 38.6 38.8 38.8 38.6 38.5 38.5	0.4 0.2 0.3 0.3 0.3 0.4 0.3 0.3 0.4 0.5 0.5	-	-	35 35 35 21 35 21 35 21 36 28 63 35	DMT 4 DMT 5 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4	- - -
	9/10/2018 10/1/2018 11/5/2018 12/10/2018 12/10/2018 1/14/2019 2/4/2019 3/11/2019 4/1/2019 5/6/2019 6/3/2019 8/5/2019 9/9/2019 10/7/2019	38.6 38.8 38.7 38.7 38.7 38.6 38.6 38.8 38.6 38.5 38.5	0.4 0.2 0.3 0.3 0.3 0.4 0.3 0.3 0.4 0.5 0.7	-	-	35 35 35 21 35 21 35 21 35 28 63 35	DMT 4	- - -
	9/10/2018 10/1/2018 11/5/2018 11/5/2018 12/10/2018 1/14/2019 2/4/2019 3/11/2019 4/1/2019 5/6/2019 8/5/2019 9/9/2019	38.6 38.8 38.7 38.7 38.7 38.6 38.8 38.8 38.6 38.5 38.5	0.4 0.2 0.3 0.3 0.3 0.4 0.3 0.3 0.4 0.5 0.5	-	-	35 35 35 21 35 21 35 21 36 28 63 35	DMT 4 DMT 5 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4	- - -
	9/10/2018 10/1/2018 11/5/2018 11/5/2018 12/10/2018 1/14/2019 2/4/2019 3/11/2019 4/1/2019 5/6/2019 8/5/2019 8/5/2019 9/9/2019 10/7/2019 11/4/2019	38.6 38.8 38.7 38.7 38.7 38.6 38.8 38.8 38.6 38.5 38.5 38.5 38.5	0.4 0.2 0.3 0.3 0.3 0.4 0.3 0.3 0.4 0.5 0.7		-	35 35 35 21 35 21 35 21 35 28 63 35	DMT 4	- - -

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) ³	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
HARW-4	Cumulative 10/14/2010 - 12/10/2016	-	1.7	-	202.3			-
	1/16/2017 2/20/2017	39.3		r numning not completed	due to adverse weather conditions	37	DMT ⁴	
	3/6/2017	39.5	1.5	-	-	49	DMT ⁴	-
	4/4/2017	38.5	2.5	0.2	6.1	29	DMT ⁴	double diaphragm pump
	5/1/2017	40.3	0.8	-		27	DMT ⁴	-
	6/5/2017	40.3	0.8	-		35	DMT ⁴	-
	7/10/2017 8/7/2017	39.9 39.9	1.1 1.1			35 28	DMT ⁴	
	9/11/2017	39.6	1.4	_		35	DMT ⁴	
	10/9/2017	39.8	1.4	-		28	DMT ⁴	
	11/6/2017	39.4	1.6	-		28	DMT ⁴	-
	12/4/2017		DNAPL pumpin	g not required to be comp	leted (10 event requirement met)			-
	1/8/2018 2/5/2018	39.3	DNAPL gauging of 1.7	r pumping not completed	due to adverse weather conditions	91	DMT ⁴	-
	3/5/2018	39.3	1.7			28	DMT ⁴	
	4/2/2018	39.3	1.7	-		28	DMT ⁴	-
	5/8/2018	38.8	2.2	0.1	5.4	36	DMT ⁴	double diaphragm pump
	6/5/2018	40.8	0.2	-		28	DMT ⁴	-
	7/9/2018	40.8	0.2	-		34	DMT ⁴	-
	8/6/2018	40.8	0.3			28	DMT ⁴	-
	9/10/2018 10/1/2018	40.8 40.5	0.2	-		35 21	DMT ⁴	-
	11/5/2018	40.5 40.5	0.5			35	DMT ⁴	
	12/10/2018	40.4	0.6	-		35	DMT ⁴	
	1/14/2019	40.4	0.6	-		35	DMT ⁴	-
	2/4/2019	40.4	0.6	-		21	DMT ⁴	-
	3/11/2019	40.3	0.8	-		35	DMT ⁴	-
	4/1/2019	39.8	1.2	-		21	DMT ⁴	-
	5/6/2019 6/3/2019	40.0 40.0	1.0			35 28	DMT ⁴	-
	8/5/2019	40.0 39.8	1.0	-		63	DMT ⁴	<u> </u>
				_		35	DMT ⁴	-
	9/9/2019							
	9/9/2019 10/7/2019	39.8 39.6	1.3 1.4	-		28	DMT ⁴	-
	10/7/2019 11/4/2019	39.6 39.4	1.4 1.6			28 28	DMT ⁴	-
HARW-5	10/7/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017	39.6 39.4	1.4 1.6 OVERED TO DATE FROM - 5.1	 W HARW-4 (GALLONS) - 0.2	 213.8 800.2 14.1			double diaphragm pump
HARW-5	10/7/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017	39.6 39.4 FOTAL VOLUME RECC	1.4 1.6 DVERED TO DATE FROM 5.1 DNAPL gauging o	W HARW-4 (GALLONS) - 0.2 or pumping not completed	213.8 800.2 14.1 due to adverse weather conditions	28 - 37	DMT ⁴	double diaphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/1/7/2017 2/20/2017 3/6/2017	39.6 39.4 FOTAL VOLUME RECO	1.4 1.6 OVERED TO DATE FROM 5.1 DNAPL gauging of 3.1	M HARW-4 (GALLONS) 0.2 or pumping not completed 0.1	213.8 800.2 14.1 due to adverse weather conditions 8.7	28 - 37 48	DMT ⁴	double diaphragm pump double diaphragm pump
HARW-5	10/7/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/4/2017	39.6 39.4 TOTAL VOLUME RECO - 35.2 37.2 35.3	1.4 1.6 DVERED TO DATE FROM 5.1 DNAPL gauging of 3.1 5.0		213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9		DMT 4 DMT 4 DMT 4 DMT 4 DMT 4	double diaphragm pump double diaphragm pump double diaphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/1/7/2017 2/20/2017 3/6/2017	39.6 39.4 FOTAL VOLUME RECO	1.4 1.6 OVERED TO DATE FROM 5.1 DNAPL gauging of 3.1	M HARW-4 (GALLONS) 0.2 or pumping not completed 0.1	213.8 800.2 14.1 due to adverse weather conditions 8.7	28 - 37 48	DMT ⁴	double disphragm pump double disphragm pump double disphragm pump double disphragm pump
HARW-5	10/7/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017	39.6 39.4 OTAL VOLUME RECC - - 35.2 37.2 35.3 34.3 35.3 35.0	1.4 1.6 OVERED TO DATE FRO. 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.0		213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7	37 48 29 28 34 36	DMT ⁴	double diaphragm pump double diaphragm pump double diaphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017	39.6 39.4 70TAL VOLUME RECC 35.2 37.2 35.3 34.3 35.3 35.0 35.0 35.3	1.4 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging C 3.1 5.0 6.0 5.0 5.3 5.0		213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7	28 	DMT 4	double diaphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017	39.6 39.4 OTAL VOLUME RECC 	1.4 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.0 5.0 5.0		213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1	28 37 48 29 28 34 36 27 35	DMT 4	double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017	39.6 39.4 OTAL VOLUME RECC - 35.2 37.2 35.3 34.3 35.3 35.0 35.0 35.0 35.0	1.4 1.6 OVERED TO DATE FRO. 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.0 5.0 5.7 4.7		213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 12.8 14.1 12.2	28 37 48 29 28 34 36 27 35 28	DMT ⁴	double disphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017	39.6 39.4 OTAL VOLUME RECC 	1.4 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.0 5.7 4.7		213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3	28 37 48 29 28 34 36 27 35	DMT 4	double diaphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 10/9/2017 11/6/2017 12/4/2017 18/2018	39.6 39.4 10TAL VOLUME RECC 35.2 35.2 35.3 34.3 35.3 35.3 35.0 35.3 35.3 35.3 35.3 35	1.4 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging G 3.1 5.0 6.0 6.0 5.0 5.0 5.7 4.7 4.7 4.3 DNAPL pumpin DNAPL gauging G	M HARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 leted (10 event requirement met) due to adverse weather conditions	28 37 48 29 28 34 36 27 35 28 28	DMT 4 DM	double diaphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 12/4/2017 1/8/2018 2/6/2018	39.6 39.4 TOTAL VOLUME RECC - 35.2 35.2 35.3 34.3 35.3 35.0 35.3 34.6 35.6 36.0	1.4 1.6 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.3 DNAPL pumpin DNAPL gauging c	## HARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 leted (10 event requirement met) due to adverse weather conditions	28 	DMT ⁴	double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/8/2017 12/4/2017 18/2018 3/6/2018 3/6/2018	39.6 39.4 OTAL VOLUME RECC 35.2 37.2 35.3 34.3 35.3 35.3 35.3 35.3 34.6 35.6 36.0	1.4 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging C 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.3 DNAPL pumpin DNAPL gauging C 5.5 5.0 5.7 5.7 5.7 5.8 DNAPL pumpin	### ARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 letted (10 event requirement met) due to adverse weather conditions	28 37 48 29 28 34 36 27 35 28 28		double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 11/17/2017 27/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 12/4/2017 12/6/2018 3/6/2018 4/3/2018	39.6 39.4 OTAL VOLUME RECC 35.2 35.3 34.3 35.3 35.3 35.3 35.3 35.3 35.3	1.4 1.6 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.7 DNAPL pumpin DNAPL gauging c 5.5 5.0 5.7 4.3 DNAPL gauging c 5.5 5.0 4.0	### HARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 12.9 15.7 12.8 13.7 12.8 14.1 12.2 14.1 12.2 14.1 12.2 14.3 eleted (10 event requirement met) due to adverse weather conditions 3.9 12.8 9.8	28	DMT ⁴	double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 12/4/2017 1/8/2018 2/6/2018 3/6/2018 4/3/2018	39.6 39.4 OTAL VOLUME RECC 35.2 37.2 35.3 34.3 35.3 35.3 35.3 35.3 34.6 35.6 36.0	1.4 1.6 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.3 5.0 5.7 4.7 4.3 DNAPL gauging c 5.5 DNAPL gauging c 5.5 5.0 DNAPL gauging c 6.0 0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0		213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 letted (10 event requirement met) due to adverse weather conditions	28 37 48 29 28 34 36 27 35 28 28 28 28 35 35	DMT 4	double disphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 11/17/2017 27/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 12/4/2017 12/6/2018 3/6/2018 4/3/2018	39.6 39.4 OTAL VOLUME RECC - 35.2 35.2 35.3 34.3 35.3 35.0 35.3 34.6 35.6 36.0 34.8 35.3 36.3	1.4 1.6 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.7 DNAPL pumpin DNAPL gauging c 5.5 5.0 5.7 4.3 DNAPL gauging c 5.5 5.0 4.0	### HARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 12.8 14.1 12.2 11.3 letted (10 event requirement met) due to adverse weather conditions	28	DMT ⁴	double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 11/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 18/2018 2/6/2018 3/6/2018 4/3/2018 5/8/2018 6/5/2018 7/9/2018 8/7/2018	39.6 39.4 39.4 35.2 35.2 37.2 35.3 34.3 35.3 35.3 35.3 35.6 35.6 35.6 35.6 35	1.4 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging C 3.1 5.0 6.0 6.0 5.0 5.0 5.7 4.7 4.3 DNAPL gauging C 5.5 5.5 5.5 0 4.7 4.3	## ARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 letted (10 event requirement met) due to adverse weather conditions 3.9 12.8 9.8 13.3 9.8 11.5 9.7	28 37 48 29 28 34 36 27 35 28 28 28 28 28 28 28 28 29 29 29 29 29	DMT ⁴	double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/17/2017 2/20/2017 3/6/2017 6/5/2017 6/5/2017 7/11/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 12/4/2017 18/2018 2/6/2018 4/3/2018 4/3/2018 6/5/2018 7/9/2018 8/7/2018	39.6 39.4 39.4 35.2 35.2 35.3 35.3 35.3 35.3 35.3 35.3	1.4 1.6 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging c 5.0 6.0 5.0 5.0 5.7 4.7 4.7 DNAPL pumpin DNAPL gauging c 5.5 5.0 5.7 4.3 DNAPL pumpin DNAPL gauging c 5.5 5.0 3.8 4.0 5.2 3.9 4.5	### ARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 12.2 11.3 12.8 14.1 12.2 13.3 14.1 15.9 16.8 17.8 18.9 19.8 19.8 19.8 11.5 9.7 11.7	28	DMT ⁴	double diaphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2018 2/6/2018 3/6/2018 4/3/2018 6/5/2018 6/5/2018 8/7/2018 8/7/2018 8/7/2018	39.6 39.4 39.4 39.4 35.2 35.2 35.3 34.3 35.3 35.3 35.0 35.3 36.0 36.0 36.0 36.3 36.3 36.3 36.3 36	1.4 1.6 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.3 5.0 5.7 4.7 4.3 DNAPL pumpin DNAPL gauging c 5.5 5.0 4.0 4.0 5.2 3.9 4.5 3.8 4.6 2.0	### HARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 letted (10 event requirement met) due to adverse weather conditions 3.9 12.8 9.8 13.3 9.8 11.5 9.7 11.7 5.0	28 37 48 29 28 34 36 27 35 28 28 28 28 34 29 35 28 29 34 29 34	DMT 4	double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 11/6/2017 12/4/2017 18/2018 3/6/2018 4/3/2018 5/8/2018 6/5/2018 7/9/2018 8/7/2018 9/10/2018 10/2/2018	39.6 39.4 39.4 36.2 36.2 37.2 35.3 34.3 35.3 35.3 36.3 36.0 36.0 36.0 36.0 36.3 36.3 36	1.4 1.6 DVERED TO DATE FRO 5.1 DNAPL gauging G 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.7 4.3 DNAPL pumpin DNAPL gauging G 5.5 5.5 4.0 4.0 5.2 3.9 4.5 3.8 4.6	### APP ### AP	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 letted (10 event requirement met) due to adverse weather conditions 3.9 12.8 9.8 13.3 9.8 11.5 9.7 11.7 5.0	28 37 48 29 28 34 36 27 35 28 28 28 28 28 29 228 28 29 29 24 29 34 29 34		double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/6/2018 4/3/2018 4/3/2018 5/8/2018 7/9/2018 8/7/2018 9/10/2018 11/5/2018 11/5/2018 11/5/2018	39.6 39.4 39.4 35.2 35.2 35.3 34.3 35.3 35.3 35.3 35.0 35.3 35.6 36.0 36.0 36.3 36.3 36.3 36.3 36.3 36	1.4 1.6 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.0 5.0 5.7 4.7 4.7 4.3 DNAPL pumpin DNAPL pumpin DNAPL gauging c 5.5 5.0 4.0 4.0 4.0 4.0 4.0	### ACT Page 2015	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 14.1 12.2 11.3 leted (10 event requirement met) due to adverse weather conditions 12.8 9.8 13.3 9.8 11.5 9.7 11.7 5.0 10.2	28	DMT ⁴	double diaphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 11/6/2017 12/4/2017 18/2018 3/6/2018 4/3/2018 5/8/2018 6/5/2018 7/9/2018 8/7/2018 9/10/2018 10/2/2018	39.6 39.4 39.4 36.2 36.2 37.2 35.3 34.3 35.3 35.3 36.3 36.0 36.0 36.0 36.0 36.3 36.3 36	1.4 1.6 DVERED TO DATE FRO 5.1 DNAPL gauging G 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.7 4.3 DNAPL pumpin DNAPL gauging G 5.5 5.5 4.0 4.0 5.2 3.9 4.5 3.8 4.6	### APP ### AP	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 letted (10 event requirement met) due to adverse weather conditions 3.9 12.8 9.8 13.3 9.8 11.5 9.7 11.7 5.0	28 37 48 29 28 34 36 27 35 28 28 28 28 28 29 228 28 29 29 24 29 34 29 34		double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 11/7/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/6/2018 3/6/2018 4/3/2018 5/8/2018 6/5/2018 1/9/2018 8/7/2018 1/9/2018	39.6 39.4 39.4 39.4 35.2 37.2 35.3 34.3 35.3 35.0 35.0 35.0 35.6 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36	1.4 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging C 3.1 5.0 6.0 6.0 6.0 5.0 5.7 4.7 4.3 DNAPL pumpin DNAPL gauging C 5.5 5.0 4.0 4.0 4.0 3.7 4.5 3.8 4.6 2.0 4.0 3.7	## HARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 letted (10 event requirement met) due to adverse weather conditions 3.9 12.8 9.8 13.3 9.8 11.5 9.7 11.7 5.0 10.2 9.4 5.4	28 37 48 29 28 34 36 27 35 28 28 28 28 29 24 34 29 34 22 34 36 34 21	DMT 4 DM	double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 11/6/2017 12/4/2018 3/6/2018 4/3/2018 5/6/2018 5/6/2018 1/6/2018	39.6 39.4 39.4 36.2 36.2 37.2 35.3 34.3 35.3 35.3 36.3 36.0 36.0 36.0 36.0 36.0 36.0 36	1.4 1.6 DVERED TO DATE FRO 5.1 DNAPL gauging G 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.3 DNAPL pumpin DNAPL gauging G 5.5 5.5 4.0 4.0 5.2 3.9 4.5 3.8 4.6 2.0 4.0 4.0 4.0 3.7 2.2	### A CONTRIBUTION OF THE PROPERTY OF THE PROP	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 letted (10 event requirement met) due to adverse weather conditions 3.9 12.8 9.8 13.3 9.8 11.5 9.7 11.7 5.0 10.2 9.4 5.4 9.4	28 37 48 29 28 34 36 27 35 28 28 28 28 28 29 28 28 34 29 24 34 36 27 35 28 28 28 28 28 28 31 32 34 36 27 36 27 37 38 38 38 38 38 38 38 38 3		double diaphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/17/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 1/7/2017 1/7/2017 1/7/2017 1/7/2017 1/7/2017 1/7/2017 1/7/2017 1/7/2017 1/7/2018 1/7/2019 1/7/2019	39.6 39.4 OTAL VOLUME RECC 35.2 35.2 35.3 34.3 35.3 35.3 35.3 35.3 35.6 35.6 35.6 35	1.4 1.6 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.0 5.0 5.7 4.7 4.7 4.3 DNAPL pumpin DNAPL pumpin DNAPL gauging c 5.5 5.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 3.7 2.2 3.7 2.0 3.6	## HARW-4 (GALLONS) - 0.2 or pumping not completed 0.1 0.0 0.0 0.1 0.1 0.1 0.1 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.1 0.1	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 leted (10 event requirement met) due to adverse weather conditions 3.9 12.8 9.8 13.3 9.8 11.5 9.7 11.7 5.0 10.2 9.4 5.4 9.4 5.0	28	DMT ⁴	double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/6/2018 4/3/2018 4/3/2018 5/8/2018 4/3/2018 1/9/2018	39.6 39.4 39.4 35.2 35.2 35.3 34.3 35.3 35.3 35.6 35.6 35.6 35.6 35.6 36.0 35.6 36.0 36.1 36.3 36.3 36.3 36.3 36.3 36.3 36.6 36.3 36.3 36.3 36.6 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.4 36.6 36.6	1.4 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging C 5.0 6.0 6.0 5.0 5.7 4.7 4.3 DNAPL pumpin DNAPL gauging C 5.5 5.5 4.7 4.7 4.3 3.9 4.5 3.8 4.6 4.0 4.0 4.0 3.7 2.2 3.7 2.0 3.6 3.6 3.0	## ARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 14.1 12.2 19.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1	28	DMT 4 DM	double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/17/2017 2/20/2017 3/6/2017 6/5/2017 6/5/2017 7/11/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 12/4/2017 12/4/2017 12/4/2018 2/6/2018 4/3/2018 4/3/2018 4/3/2018 4/3/2018 5/8/2018 1/9/2018	39.6 39.4 39.4 OTAL VOLUME RECC	1.4 1.6 1.6 20VERED TO DATE FRO 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.7 DNAPL pumpin DNAPL gauging c 5.5 5.0 5.7 4.3 DNAPL pumpin DNAPL gauging c 4.3 DNAPL pumpin A-7 4.3 DNAPL pumpin DNAPL gauging c 5.5 5.0 4.0 4.0 5.2 3.9 4.5 3.8 4.6 2.0 4.0 4.0 3.7 2.2 3.7 2.0 3.6 3.0 5.3	## HARW-4 (GALLONS) 0.2 or pumping not completed 0.1 0.0 0.0 0.1 0.1 0.1 0.3 0.0 0.0 0.0 0.0 0.1 0.1 0.1 0.3 0.0 0.0 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 leted (10 event requirement met) due to adverse weather conditions 9.8 13.3 9.8 11.5 9.7 11.7 5.0 10.2 10.2 9.4 5.4 9.4 5.0 9.1 7.6	28	DMT 4 DM	double diaphragm pump
HARW-5	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/6/2018 4/3/2018 4/3/2018 5/8/2018 4/3/2018 1/9/2018	39.6 39.4 39.4 35.2 35.2 35.3 34.3 35.3 35.3 35.6 35.6 35.6 35.6 35.6 36.0 35.6 36.0 36.1 36.3 36.3 36.3 36.3 36.3 36.3 36.6 36.3 36.3 36.3 36.6 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.3 36.4 36.6 36.6	1.4 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging C 5.0 6.0 6.0 5.0 5.7 4.7 4.3 DNAPL pumpin DNAPL gauging C 5.5 5.5 4.7 4.7 4.3 3.9 4.5 3.8 4.6 4.0 4.0 4.0 3.7 2.2 3.7 2.0 3.6 3.6 3.0	## ARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 14.1 12.2 19.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1	28	DMT 4 DM	double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/6/2018 3/6/2018 4/3/2018 6/5/2018 6/5/2018 11/5/2018	39.6 39.4 39.4 39.4 35.2 37.2 35.3 34.3 35.3 35.3 35.6 36.0 35.6 36.0 36.6 36.6 36.6 36.6 36.6 36.6 36	1.4 1.6 DVERED TO DATE FRO. 5.1 DNAPL gauging C 5.0 6.0 6.0 5.0 5.0 5.7 4.7 4.3 DNAPL pumpin DNAPL gauging C 5.5 5.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 3.7 2.2 3.7 2.0 3.6 3.0 5.3	## HARW-4 (GALLONS)	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 letted (10 event requirement met) due to adverse weather conditions 3.9 12.8 9.8 13.3 9.8 11.5 9.7 11.7 5.0 10.2 10.2 9.4 5.4 9.4 5.4 9.1 7.6	28 37 48 29 28 34 36 27 35 28 28 28 28 34 29 34 22 34 36 37 37 38 38 38 38 38 38 38 38	DMT 4 DM	double diaphragm pump
HARW-S	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 11/6/2017 12/4/2018 2/6/2018 3/6/2018 4/3/2018 5/6/2018 5/6/2018 1/6/2019 1/6/2019 1/6/2019 1/6/2019 1/6/2019 1/6/2019 1/6/2019	39.6 39.4 39.4 OTAL VOLUME RECC 35.2 37.2 35.3 34.3 35.3 35.3 36.3 36.0 36.0 36.0 36.0 36.1 36.4 36.6 36.7 36.3 36.3 36.3 36.3 36.3 36.3	1.4 1.6 DVERED TO DATE FRO 5.1 DNAPL gauging c 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.7 4.7 4.7 4.8 DNAPL pumpin DNAPL gauging c 5.5 5.0 4.0 5.2 3.9 4.5 3.8 4.6 2.0 4.0 4.0 4.0 4.0 3.7 2.2 3.7 2.0 3.6 3.0 5.3 3.7 2.8	### A CONTRICT OF THE PROPERTY	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8 13.7 12.8 14.1 12.2 11.3 11.3 leted (10 event requirement met) due to adverse weather conditions 9.8 13.3 9.8 11.5 9.7 11.7 5.0 10.2 9.4 5.4 9.4 5.0 9.1 7.6 13.5 9.6	28	DMT ⁴	double diaphragm pump

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) ³	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
HARW-6	Cumulative 7/19/2011 - 12/10/2016 1/16/2017	40.0	0.8	-	0.0	37	DMT ⁴	-
	2/20/2017	40.0	DNAPL gauging of	or pumping not completed	due to adverse weather conditions	31	- DIVI I	-
	3/6/2017	40.0	0.8	-	-	49	DMT ⁴	-
	4/3/2017	40.1	0.8	-	-	28	DMT ⁴	
	5/1/2017	40.1	0.7	-	-	28	DMT ⁴	-
	6/5/2017	40.3	0.5	-	-	35	DMT ⁴	-
	7/10/2017	40.2	0.6	-	-	35	DMT ⁴	-
	8/7/2017 9/11/2017	40.3 40.0	0.5 0.8	-	-	28 35	DMT ⁴	
	10/9/2017	39.9	0.9	-	-	28	DMT ⁴	
	11/6/2017	39.8	1.0	-	-	28	DMT ⁴	1
	12/4/2017		DNAPL pumpin	g not required to be comp	pleted (10 event requirement met)		-	-
	1/8/2018		DNAPL gauging of	or pumping not completed	due to adverse weather conditions			
	2/5/2018	40.0	0.8	•	-	91	DMT ⁴	-
	3/5/2018 4/2/2018	40.7 40.1	0.1 0.8	-	-	28 28	DMT ⁴	-
	5/7/2018	40.1	0.7	-	-	35	DMT ⁴	
	6/5/2018	40.1	0.8	-	-	29	DMT ⁴	
	7/9/2018	40.1	0.7	-	-	34	DMT ⁴	-
	8/6/2018	39.9	0.9	÷	-	28	DMT ⁴	-
	9/10/2018	40.1	0.8	-	-	35	DMT ⁴	-
	10/1/2018	40.1	0.8	-	-	21	DMT ⁴	-
	11/5/2018	40.7	0.1	-	-	35	DMT ⁴	-
	12/10/2018	40.1	0.7	-	-	35	DMT ⁴	-
	1/14/2019 2/4/2019	40.1 40.1	0.7 0.7	-	-	35 21	DMT ⁴	-
	3/11/2019	40.4	0.4	-		35	DMT ⁴	
	4/1/2019	40.3	0.5	-	_	21	DMT ⁴	-
	5/6/2019	40.3	0.5	-	-	35	DMT ⁴	-
	6/3/2019	40.3	0.5	-	-	28	DMT ⁴	1
	8/5/2019	40.3	0.5	-	÷	63	DMT ⁴	-
	9/9/2019	40.0	0.8	-	-	35	DMT ⁴	-
	0.0.20.0							_
	10/7/2019	40.2	0.6	-	-	28	DMT ⁴	
	0.0.20.0	40.2 40.1	0.6 0.7	-		28	DMT ⁴	
	10/7/2019 11/4/2019	40.1	0.7	- - M HARW-6 (GALLONS)	- 0.0			-
	107/2019 11/4/2019	40.1		M HARW-6 (GALLONS)	0.0			-
HARW-7	10/7/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016	40.1	0.7 OVERED TO DATE FRO	-	0.0 482.1	28	DMT ⁴	-
HARW-7	10/7/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017	40.1	0.7 OVERED TO DATE FRO - 4.8	0.1	0.0 482.1 12.2			- double diaphraqm pump
HARW-7	10/7/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017	40.1 TOTAL VOLUME RECO - 37.3	0.7 OVERED TO DATE FRO - 4.8 DNAPL gauging of	0.1	0.0 482.1		DMT ⁴	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 11/17/2017 2/20/2017 3/6/2017	40.1 TOTAL VOLUME RECO - 37.3 41.0	0.7 OVERED TO DATE FRO 4.8 DNAPL gauging of 1.0	0.1	0.0 482.1 12.2	28 - - 37 48	DMT ⁴	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 11/17/2017 2/20/2017 3/6/2017 4/3/2017	40.1 TOTAL VOLUME RECO - 37.3 41.0 40.5	0.7 OVERED TO DATE FRO 4.8 DNAPL gauging of 1.0 1.5	- 0.1 or pumping not completed 	482.1 12.2 due to adverse weather conditions	28 - 37 48 28	DMT ⁴ DMT ⁴ DMT ⁴	- -
HARW-7	10/7/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 11/17/2017 2/20/2017 3/6/2017	40.1 TOTAL VOLUME RECO - 37.3 41.0	0.7 OVERED TO DATE FRO 4.8 DNAPL gauging of 1.0	0.1	0.0 482.1 12.2	28 - - 37 48	DMT ⁴ DMT ⁴ DMT ⁴ DMT ⁴ DMT ⁴ DMT ⁴	- - - double diaphragm pump -
HARW-7	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 7/10/2017	40.1 TOTAL VOLUME RECO 37.3 41.0 40.5 38.0 40.5 40.0	0.7 VERED TO DATE FRO 4.8 DNAPL gauging (1.0 1.5 4.0 1.5 2.0	- 0.1 or pumping not completed 	482.1 12.2 due to adverse weather conditions	37 48 28 28 35 35	DMT ⁴	· ·
HARW-7	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5	0.7 4.8 1.0 1.0 1.5 4.0 1.5 2.0 0.5	0.1 or pumping not completed 0.2 - 0.2	0.0 482.1 12.2 due to adverse weather conditions 10.0 - 4.8	28 37 48 28 28 35 35 28	DMT ⁴	- - - double diaphragm pump -
HARW-7	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 11/17/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3	0.7 A 8 DNAPL gauging of 1.0 1.5 4.0 1.5 2.0 0.5 1.8	0.1 or pumping not completed 0.2 - 0.2	due to adverse weather conditions 10.0 10.0 4.8	28 	DMT ⁴	- - - double diaphragm pump -
HARW-7	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 40.3	0,7 4.8 DNAPL gauging (1.0 1.5 4.0 1.5 2.0 0.5 1.8	0.1 or pumping not completed or 0.2 o.2 o.2 o.2	due to adverse weather conditions 10.0 10.0 10.0 4.8	28 37 48 28 28 35 35 28 35 28	DMT ⁴	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3	0.7	0.1 0.1 or pumping not completed - 0.2 - 0.2 - 0.2 - 0.0	0.0 482.1 12.2 due to adverse weather conditions 10.0 - 4.8 - 11.3	28 	DMT ⁴	- - - double diaphragm pump -
HARW-7	10/7/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7	0,7 4.8 DNAPL gauging 0 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpin	0.1 0.1 or pumping not completed 0.2 0.2 0.2 0.2 0.2 0.0 0.0 g not required to be comp	due to adverse weather conditions 10.0 10.0 10.0 4.8	28 37 48 28 28 35 35 28 35 28 35 28	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 1/4/2019 1/4/2017 1/4/2017 1/4/2017 1/4/2017 1/4/2017 1/4/2017 1/4/2017 1/4/2017 1/4/2017 1/4/2017 1/4/2017 1/4/2018 2/5/2018	40.1 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7	0.7 A.8 DNAPL gauging of 1.5 4.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL gauging of 2.7	0.1 0.1 0.1 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	due to adverse weather conditions 10.0 10.0 1.0 4.8 1.1 11.3 leted (10 event requirement met) due to adverse weather conditions		DMT 4	double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/3/2017 6/5/2017 7/10/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 3/6/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7	0,7 4.8 A.8 DNAPL gauging of 1.0 1.5 4.0 1.5 2.0 0.5 1.8 4.3 DNAPL gauging of 2.7 DNAPL gauging of 3.5 DNAPL gauging of 3.5 DNAPL gauging of 3.5	0.1 0.1 or pumping not completed 0.2 0.2 0.2 0.2 0.2 0.0 0.0 g not required to be comp	due to adverse weather conditions	28 37 48 28 28 35 35 28 35 28 39 91 29	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 14/17/2017 2/20/2017 3/6/2017 3/6/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 12/4/2017 18/2018 2/5/2018 3/6/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 39.3 38.5 41.0	0.7 A8 DNAPL gauging (1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpin DNAPL gauging (2.7 3.5 1.0	0.1 0.1 0.1 or pumping not completed 0.2 0.2 0.2 0.3 0.9 0.0 g not required to be compror pumping not completed 0.3	due to adverse weather conditions 10.0 10.0 - 4.8 4.8 - 11.3 bleted (10 event requirement met) due to adverse weather conditions	28	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 1/17/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 12/4/2017 1/8/2018 2/5/2018 3/6/2018 4/2/2018 5/8/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 40.3 37.7 39.3 38.5 41.0 40.0	0,7 4.8 DNAPL gauging (1.5 4.0 1.5 4.0 1.5 4.0 1.8 1.8 4.3 DNAPL gauging (2.0 DNAPL gauging (3.5 1.0 2.0	0.1 0.1 or pumping not completed 0.2 0.2 0.2 0.0 0.0 g not required to be comport pumping not completed 0.3 0.0 g not required to be comport pumping not completed 0.3 0.1	due to adverse weather conditions 10.0 10.0 - 4.8 - 1.3 Seted (10 event requirement met) due to adverse weather conditions	28	DMT 4 DMT 4	double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 1/47/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 18/2018 3/6/2018 4/2/2018 5/8/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 38.5 41.0 40.0 41.9	0.7 4.8 4.8 DNAPL gauging of 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpin DNAPL gauging of 2.7 2.7 2.7 2.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.1 0.1 or pumping not completed - 0.2 - 0.2 - 0.2 - 0.2 - 0.2 - 0.0 g not required to be completed or pumping not completed or be completed - 0.0 g not required to be completed - 0.0 0.3 - 0.1	due to adverse weather conditions 10.0 10.0 - 4.8 4.8 - 11.3 bleted (10 event requirement met) due to adverse weather conditions	28 37 48 28 28 35 35 28 35 28 37 28 28 28 28 28 28 28 28 28	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 14/17/2017 14/17/2017 14/2017 15/1/2017 15/1/2017 15/1/2017 15/1/2017 11/4/2017 11/4/2017 11/4/2017 11/4/2017 11/4/2018 2/5/2018 13/6/2018 15/8/2018 15/8/2018 15/8/2018 15/8/2018 15/8/2018 15/8/2018 15/8/2018	40.1 TOTAL VOLUME RECO 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 39.3 40.4 40.4 40.9 41.1	0.7 4.8 NAPL gauging of 1.5 4.0 1.5 4.0 1.5 4.0 0.5 1.8 4.3 DNAPL gauging of 2.7 3.5 1.0 2.0 0.1 0.0 0.0 0.0 0.0	0.1 0.1 0.1 0.2 0.2 0.2 0.2 0.2 0.2 0.0 0.0 0.0 g not required to be comport or pumping not completed	due to adverse weather conditions 10.0 10.0 11.3 beted (10 event requirement met) due to adverse weather conditions 5.0 5.0	28	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 1/47/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 18/2018 3/6/2018 4/2/2018 5/8/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 38.5 41.0 40.0 41.9	0.7 4.8 4.8 DNAPL gauging of 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpin DNAPL gauging of 2.7 2.7 2.7 2.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.1 0.1 or pumping not completed - 0.2 - 0.2 - 0.2 - 0.2 - 0.2 - 0.0 g not required to be completed or pumping not completed or be completed - 0.0 g not required to be completed - 0.0 0.3 - 0.1	due to adverse weather conditions 10.0 10.0 - 4.8 - 1.3 Seted (10 event requirement met) due to adverse weather conditions	28 37 48 28 28 35 35 28 35 28 37 28 28 28 28 28 28 28 28 28	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2011 11/7/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 4/2/2018 5/6/2018 6/5/2018 8/7/2018 8/7/2018 9/10/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 40.3 37.7 39.3 39.5 41.0 40.0 41.1 39.4 41.0 41.1	0.7 A8 DNAPL gauging (1.5 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpin DNAPL gauging (2.7 3.5 1.0 2.0 0.1 1.0 0.1 0.1 0.1 0.1	0.1 0.1 0.1 0.2 0.2 0.2 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	due to adverse weather conditions 10.0 10.0 4.8 4.8 - 11.3 bleted (10 event requirement met) due to adverse weather conditions 8.3 - 5.0 - - - - - - - - - - - - -	28	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 11/9/2017 11/9/2017 11/4/2017 11/4/2017 11/4/2017 11/4/2018 2/5/2018 4/2/2018 5/6/2018 4/2/2018 5/6/2018 9/7/2018 9/7/2018 9/7/2018 9/7/2018 9/7/2018 11/5/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 39.5 41.0 41.9 41.1 39.4	0,7 4.8 A.8 DNAPL gauging (1.0 1.5 4.0 1.5 2.0 0.5 1.8 4.3 DNAPL gauging (2.7 3.5 1.0 0.1 0.1 0.1 0.1 0.1 0.1 0	0.1 0.1 0.1 0.1 0.2 0.2 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	due to adverse weather conditions - 10.0 - 10.0 - 4.8	28	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2011 11/4/2017 11/4/2017 11/4/2017 11/4/2017 11/4/2017 11/4/2017 11/4/2017 11/4/2017 11/4/2017 11/4/2017 11/4/2017 11/4/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018	40.1 TOTAL VOLUME RECO 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 38.5 41.0 40.0 41.1 39.4 41.0 40.0 40.0 40.0 40.0	0,7 4.8 DNAPL gauging (1) 1.5 4.0 1.5 4.0 0.5 1.8 1.8 1.8 2.0 DNAPL gauging (2) 2.7 3.5 1.0 2.0 0.1 1.0 2.0 1.1 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 2	0.1 0.1 0.1 0.2 0.2 0.2 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	due to adverse weather conditions 10.0 10.0 4.8 4.8 - 11.3 bleted (10 event requirement met) due to adverse weather conditions 8.3 - 5.0 - - - - - - - - - - - - -	28	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 2/20/2017 3/6/2017 5/1/2017 5/1/2017 5/1/2017 5/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 39.5 41.0 40.0 41.1 39.4 41.1 40.0 40.8 40.0 41.1	0,7 4.8 DNAPL gauging (1.5 4.0 1.5 4.0 1.5 1.8 4.3 DNAPL pumpin DNAPL gauging (2.7 3.5 1.0 0.1 1.0 1.1 2.0 0.1 1.0 0.1 0.1	0.1 0.1 or pumping not completed - 0.2 - 0.2 - 0.3 g not required to be completed - 0.3 - 0.1 - 0.1 - 0.1	due to adverse weather conditions - 10.0 - 10.0 - 4.8	28	DMT 4 DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 6/5/2017 7/10/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 3/6/2018 4/2/2018 5/8/2018 6/5/2018 7/9/2018 8/7/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 40.3 37.7 39.3 38.6 41.0 40.0 41.1 39.4 41.0 40.0 41.1 40.0 40.0 41.1	0.7 A8 DNAPL gauging (1.5 to 1.5 to 1.8 to 1.5 to 1.8 to	0.1 0.1 or pumping not completed - 0.2 - 0.2 - 0.3 g not required to be completed - 0.3 - 0.1 - 0.1 - 0.1	due to adverse weather conditions - 10.0 - 10.0 - 4.8	28	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 5/1/2017 5/1/2017 5/1/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 3/6/2018 4/2/2018 5/8/2018 6/5/2018 9/10/2018 11/5/2018	40.1 37.3 41.0 40.5 38.0 40.5 40.5 40.0 41.5 40.3 40.3 37.7 39.3 38.5 41.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 40.0 40.0 40.0	0,7 4.8 DNAPL gauging (1.5) 1.5 4.0 1.5 4.0 1.5 1.8 1.8 1.8 1.8 2.0 0.5 1.8 1.8 1.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0	0.1 0.1 0.1 0.2 0.2 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 482.1 12.2 due to adverse weather conditions	28	DMT 4 DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 2/5/2018 3/6/2018 4/2/2018 5/6/2018 5/6/2018 1/6/2018 1/6/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018 1/1/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 39.5 41.0 40.0 41.1 39.4 41.0 40.0 41.1 41.1 41.1 41.0 40.0 40.8 40.0 41.1 40.8 40.3 39.5	0.7 A8 DNAPL gauging (1.5 1.5 4.0 1.5 4.0 0.5 1.8 1.8 1.8 4.3 DNAPL pumpin DNAPL gauging (2.5 1.0 2.0 0.1 1.1 1.1 1.2 2.0 0.1 2.0 0.1 0.1	0.1 0.1 or pumping not completed - 0.2 - 0.2 - 0.3 g not required to be completed - 0.3 - 0.1 - 0.1 - 0.1	due to adverse weather conditions - 10.0 - 10.0 - 4.8	28	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 14/7/2017 14/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2018 15/7/2019 15/6/2019	40.1 TOTAL VOLUME RECO 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 38.5 41.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1	0,7 4.8 DNAPL gauging (1) 1.5 4.0 1.5 4.0 1.5 4.0 1.5 1.8 1.8 1.8 2.0 0.5 1.8 1.8 1.8 2.7 3.5 1.0 2.0 0.1 2.0 1.1 2.0 0.1 2.0 1.1 2.0 0.1 2.0 1.1 2.0 0.1 2.0 1.1 2.0 0.1 2.0 0.1 2.0 0.1 2.0 0.1 0.9 2.6 1.0 2.0 1.2 2.0 0.9 1.2 1.7 2.5 0.9	0.1 0.1 0.1 0.2 0.2 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 482.1 12.2 due to adverse weather conditions	28 37 48 28 28 28 35 35 28 35 28 35 28 37 36 28 34 29 34 29 34 36 34 21 35 35 21	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 3/6/2018 4/2/2018 5/6/2018 6/5/2018 11/5/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 38.0 40.0 41.5 40.3 40.3 37.7 39.3 39.5 41.0 40.0 41.1 39.4 41.1 40.8 40.0 40.8 40.0 41.1 40.8 40.0 41.1 40.8 40.0 41.1 40.8 40.0 41.1 40.8 40.0 41.1 40.8 40.0 41.1 40.8 40.0 41.1 40.8 40.0 41.1 40.8 40.0 41.1	0,7 4.8 DNAPL gauging (1.5 4.0 1.5 4.0 1.5 4.0 1.5 1.8 4.3 DNAPL gauging (2.7 3.5 1.0 0.1 0.1 1.2 2.0 0.1 1.9 2.0 1.1 1.9 1.0 1.0 1.0 1.0 1.0 1	0.1 0.1 0.1 0.2 0.2 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 482.1 12.2 due to adverse weather conditions	28	DMT 4	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 14/7/2017 14/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2017 15/7/2018 15/7/2019 15/6/2019	40.1 TOTAL VOLUME RECO 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 38.5 41.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1	0,7 4.8 DNAPL gauging (1) 1.5 4.0 1.5 4.0 1.5 4.0 1.5 1.8 1.8 1.8 2.0 0.5 1.8 1.8 1.8 2.7 3.5 1.0 2.0 0.1 2.0 1.1 2.0 0.1 2.0 1.1 2.0 0.1 2.0 1.1 2.0 0.1 2.0 1.1 2.0 0.1 2.0 0.1 2.0 0.1 2.0 0.1 0.9 2.6 1.0 2.0 1.2 2.0 0.9 1.2 1.7 2.5 0.9	0.1 0.1 0.1 0.2 0.2 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 482.1 12.2 due to adverse weather conditions	28 37 48 28 28 28 35 35 28 35 28 35 28 37 36 28 34 29 34 29 34 36 34 21 35 35 21	DMT 4 DMT 4	double diaphragm pump double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 2/5/2018 4/2/2018 5/6/2018 6/5/2018 11/5/2019 3/5/2019 3/5/2019	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 39.5 41.0 40.0 41.1 39.4 41.0 40.0 41.1 39.4 41.0 40.0 41.1	0.7 A8 DNAPL gauging (1.5 1.5 4.0 1.5 4.0 0.5 1.8 1.8 1.8 4.3 DNAPL pumpin DNAPL gauging (2.6 2.7 3.5 1.0 2.0 0.1 1.1 2.0 0.1 0.1 0.1	0.1 0.1 0.2 0.2 0.2 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	### 482.1 482.1 12.2 due to adverse weather conditions	28	DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 5 DMT 6 DMT 7 DMT 6 DMT 6 DMT 6 DMT 6 DMT 7 DMT 6 DMT 6 DMT 6 DMT 7 DMT 6 DMT 7 DMT 6 DMT 7 DMT 6 DMT 6 DMT 7 DMT 6 DMT 7 DMT 7 DMT 6 DMT 7 DMT 6 DMT 7 DM	double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 1/17/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 2/5/2018 3/6/2018 4/2/2018 5/8/2018 1/9/2018 11/5/2019 3/11/2019 3/11/2019 4/1/2019 5/6/2019 8/5/2019 9/10/2019	40.1 TOTAL VOLUME RECO 37.3 41.0 40.5 38.0 40.5 38.0 40.5 40.3 40.3 37.7 39.3 38.5 41.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 41.1 40.0 40.0 40.0 41.1 40.0 40.0 40.0 41.1 40.0 40.0 40.0 41.1 40.0 40.0 40.0 40.0 41.1	0,7 4.8 DNAPL gauging (1.5) 1.5 4.0 1.5 4.0 1.5 1.8 4.3 DNAPL gauging (2.7) 2.0 0.5 1.8 1.8 4.3 DNAPL gauging (3.7) 2.0 0.1 1.0 1.0 1.0 1.0 1.0 1.0	0.1 0.1 0.2 0.2 0.2 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	### 482.1 482.1 12.2 due to adverse weather conditions	28	DMT 4	double diaphragm pump double diaphragm pump
HARW-7	10/7/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2019 11/4/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 2/5/2018 4/2/2018 5/6/2018 4/2/2018 5/6/2018 11/5/2018	40.1 TOTAL VOLUME RECC 37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7 39.3 39.5 41.0 40.0 41.1 39.4 41.0 40.0 41.1 39.4 41.0 40.0 41.1 40.8 40.3 40.0 41.1 41.3 40.3 40.0 40.9	0.7 A8 DNAPL gauging (1.5 1.5 4.0 1.5 4.0 0.5 1.8 1.8 1.8 4.3 DNAPL pumpin DNAPL gauging (2.6 2.7 3.5 1.0 2.0 0.1 1.1 2.0 0.1 0.1 0.1	0.1 0.1 0.2 0.2 0.2 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	### 482.1 482.1 12.2 due to adverse weather conditions	28	DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 5 DMT 6 DMT 7 DMT 6 DMT 6 DMT 6 DMT 6 DMT 7 DMT 6 DMT 6 DMT 6 DMT 7 DMT 6 DMT 7 DMT 6 DMT 7 DMT 6 DMT 6 DMT 7 DMT 6 DMT 7 DMT 7 DMT 6 DMT 7 DMT 6 DMT 7 DM	double diaphragm pump

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) ³	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
HARW-8	Cumulative 7/19/2011 - 12/10/2016	-		-	18.0			-
	1/18/2017	40.8	2.2	0.2	5.2	37	DMT ⁴	-
	2/20/2017		DNAPL gauging of	or pumping not completed	due to adverse weather conditions			-
	3/6/2017	41.7	1.3	-	-	47	DMT ⁴	-
	4/3/2017	42.5	0.5	-	-	28	DMT ⁴	-
	5/1/2017	42.3	0.7	-	-	28	DMT ⁴	-
	6/5/2017	42.3	0.7	-	-	35	DMT ⁴	-
	7/10/2017	42.3	0.7	-	-	35	DMT ⁴	-
	8/7/2017	42.1	0.9	-	-	28	DMT ⁴	-
	9/11/2017	41.7	1.3	-	-	35	DMT ⁴	-
	10/9/2017	42.2	0.8	-	-	28	DMT ⁴	-
	11/6/2017	41.8	1.2	-	_	28	DMT ⁴	-
	12/4/2017			a not required to be com	oleted (10 event requirement met)			-
	1/8/2018				I due to adverse weather conditions		-	-
	2/5/2018	41.7	1.3	-	-	91	DMT ⁴	-
	3/5/2018	41.3	1.7		-	28	DMT ⁴	-
	4/2/2018	41.1	1.9	-	-	28	DMT ⁴	-
	5/8/2018	41.0	2.0	0.6	3.7	36	DMT ⁴	double diaphragm pump
	6/5/2018	42.5	0.5	-	-	28	DMT ⁴	-
	7/9/2018	42.5	0.5	-	-	34	DMT ⁴	-
	8/6/2018	42.3	0.7	-	-	28	DMT ⁴	-
	9/10/2018	42.1	0.9		_	35	DMT ⁴	-
	10/1/2018	42.0	1.0	-	_	21	DMT ⁴	-
	11/5/2018	42.1	0.9		_	35	DMT ⁴	-
	12/10/2018	41.7	1.3		_	35	DMT ⁴	_
	1/14/2019	41.5	1.5		_	35	DMT ⁴	
	2/4/2019	41.5	1.5	-	_	21	DMT ⁴	-
	3/11/2019	41.3	1.7		_	35	DMT ⁴	_
	4/2/2019	41.0	2.0	0.3	4.6	22	DMT ⁴	double diaphragm pump
	5/6/2019	42.3	0.7	- 0.3	4.0	34	DMT ⁴	- acubic diaprilagili pullip
	6/3/2019	42.3	0.8			28	DMT ⁴	<u>.</u>
	8/5/2019 8/5/2019	42.2	1.3		-	63	DMT ⁴	<u>.</u>
	9/9/2019	41.9	1.1		<u> </u>	35	DMT ⁴	-
	10/7/2019	41.6	1.1	-	-	28	DMT ⁴	
							DMT ⁴	
	11/4/2019	41.5	1.5	-	-	28	DIM I .	-
		TOTAL VOLUME DEGG	VERED TO DATE FRO		31.5			

TOTAL VOLUME RECOVERED TO DATE FROM ALL WELLS (GALLONS)

2847.5

Notes: MW-12

HAOW-12A

Depth to Top of Screen: 33 ft Depth to Top of Screen: 28.6 ft Depth to Bottom: 36 ft Depth to Bottom: 43.6 ft

HARW-1 HARW-2

HARW-3 Angle from Vertical: 16.5° Vertical Depth to Top of Screen: 25.4 ft HARW-4 Angle from Vertical: 24.5° Vertical Depth to Top of Screen: 28.7 ft Depth to Top of Screen: 24 ft Depth to Bottom: 42 ft Depth to Top of Screen: 26 ft Depth to Bottom: 40 ft

Vertical Depth to Bottom: 39 ft Vertical Depth to Bottom: 41 ft

HARW-5 HARW-6 HARW-7

HARW-8 Depth to Top of Screen: 28.5 ft Depth to Bottom: 43 ft Angle from Vertical: 23.5° Vertical Depth to Top of Screen: 27 ft Angle from Vertical: 14° Vertical Depth to Top of Screen: 26.7 ft Depth to Top of Screen: 27.5 ft Depth to Bottom: 42 ft Vertical Depth to Bottom: 40.8 ft

For historical reference to past DNAPL measurement events prior to January 2017, please refer to the January 2018 monthly report submitted to NYSDEC on 5 February 2018.

DMT = DNAPL. Measurement Tool, consisting of a copper tubing handle, a spacer section to prevent the probe from contacting the sides of the well riser, and an all-thread rod probe to extend into the DNAPL.

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¹ Reserved ² Reserved

³ Volume of product recovered by downwell pump is estimated by approximating the volume discharged to the drum and additional product in tubing and on pump.

Volume of product recovered by baller is estimated using the baller volume and number of times balled.
Volume of product recovered by baller is estimated using the baller volume and number of times balled.
Volume of product recovered by baller is estimated using the baller volume and number of times balled.
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Volume of product recovered by baller is estimated using the baller volume and number of times balled.
Volume of product recovered by baller is estimated using the baller volume and number of times balled.
Volume of product recovered by baller is estimated using the baller volume and number of times balled.
Volume of product recovered by baller is estimated using the baller volume and number of times balled.

⁴ All depth and thickness values for HARW-3, HARW-4 HARW-5 and HARW-6 are provided as vertical equivalents of the field measurements based on the angle of the installed well.