# **Atlantic Richfield Company**

Paul G. Johnson

**Operations Project Manager** 

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October 2, 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, September 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 September 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 September 1, 2019 through September 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 172

PREPARED BY: Atlantic Richfield Company

**Paul Johnson** 

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

#### 1. PROGRESS MADE THIS REPORTING PERIOD:

• DNAPL gauging and recovery was performed on September 9<sup>th</sup> and September 10<sup>th</sup>, 2019. HARW-5 and HARW-7 were 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. <u>DELIVERABLES SUBMITTED / RECEIVED</u>

• September 6, 2019, Atlantic Richfield to NYSDEC: Hastings August 2019 Monthly Progress Report.

#### 5. UPCOMING EVENTS / ACTIVITIES PLANNED

- The next three DNAPL gauging and recovery events are tentatively scheduled to occur the weeks of October 7<sup>th</sup> and November 4<sup>th</sup>, 2019, and January 6<sup>th</sup>, 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 November 4<sup>th</sup>, 2019, and the week of January 6<sup>th</sup>, 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
SEPTEMBER DNAPL PUMPING SUMMARY (WEEK OF 9/9/2019)
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) <sup>4</sup>	Total DNAPL Removed (gallons) <sup>6</sup>	Post-Purging Distance of DNAPL Surface Below MS/Fill Interface (ft) <sup>5</sup>
HARW-1	9/9/2019 1	0	0	0	NA**	NA**	NA**	NA**	NA**
HARW-2	9/9/2019 2	0	18.0	18.0			NA**	NA**	3.2
TIANVV-2	NA** 3	U			NA**	NA**	NA	IVA	3.2
HARW-3	9/9/2019 2	16.5	8.0	7.7			NA**	NA**	3.7
HARW-5	NA** 3	10.5			NA**	NA**	NA .	IVA	3.7
HARW-4	9/9/2019 2	24.5	15.0	13.6			NA**	NA**	3.0
TIAI(VV-4	NA** 3	24.3			NA**	NA**	NA .	NA**	3.0
	9/9/2019 2		44.0	40.4					
HARW-5	9/10/2019 3	23.5			0.0	0.0	42.0	9.6	4.3
HARW-6	9/9/2019 2	14.0	10.0	9.7			NA**	NA**	3.8
	NA** 3				NA**	NA**			
HARW-7	9/9/2019 2	0	24.0	24.0			42.0	4.6	4.5
HARVV-7	9/10/2019 3				3.0	3.0	42.0	4.0	4.5
HARW-8	9/9/2019 2	0	13.0	13.0			NA**	NA**	3.6
TIAKW-0	NA** 3	U			NA**	NA**	INA	IVA	3.0
HAOW-12A	9/9/2019 2	0	14.0	14.0			NA**	NA**	4.0
11AO W-12A	NA** 3	J			NA**	NA**	INA	IVA	4.0

Total Gallons of DNAPL Removed:

14.2

#### 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

<sup>&</sup>lt;sup>1</sup>DNAPL not present, pumping not completed in this well

<sup>&</sup>lt;sup>2</sup>Pre-pumping gauge date

<sup>&</sup>lt;sup>3</sup>Post-pumping gauge date.

 $<sup>^4</sup>$ Total gallons of fluid (DNAPL and groundwater) removed from well based on measurement in container.

<sup>&</sup>lt;sup>5</sup>Represents the distance of the post-purging DNAPL material interface from the top of the MS/Fill interface.

<sup>&</sup>lt;sup>6</sup>Unless 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.

<sup>\*</sup>DNAPL is present but is under 6-inches and discontinuous.

<sup>\*\*</sup>Volume in the well is less than threshold required to perform DNAPL pumping procedures.

	Date Cumulative 10/9/2006 - 7/29/2010  Cumulative 3/2/2009 - 12/10/2016 11/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017	Depth to Product (ft)  -  TOTAL VOLUME RI  - 42.0	Pre-pumping (ft) - ECOVERED TO DATE F	Post-pumping (ft)  -  ROM MW-12 (GALLONS)	Product Recovered (gallons) <sup>3</sup> 5.0	Measurement Readings -	Used -	Recovery Procedure Used
IAOW-12A	1/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017	-	ECOVERED TO DATE F	ROM MW-12 (GALLONS)				
HAOW-12A	1/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017	-			5.0			
HAOW-12A	1/16/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017	42.0			0.0			
	2/20/2017 3/6/2017 4/3/2017 5/1/2017	42.0	-	-	49.7		DMT <sup>4</sup>	
	3/6/2017 4/3/2017 5/1/2017		1.6	-	-	37	DMT <sup>4</sup>	
	4/3/2017 5/1/2017	42.3	1.3	or pumping not completed	due to adverse weather conditions	49	DMT <sup>4</sup>	-
		42.2	1.4	-	-	28	DMT <sup>4</sup>	
	6/5/2017	42.1	1.5	-	-	28	DMT <sup>4</sup>	-
		42.3	1.3	-	-	35	DMT <sup>4</sup>	
	7/10/2017 8/7/2017	42.3 42.3	1.3	-	-	35 28	DMT <sup>4</sup>	•
	9/11/2017	42.5	1.1	-		35	DMT <sup>4</sup>	-
	10/9/2017	42.3	1.3	-	-	28	DMT <sup>4</sup>	
	11/6/2017	42.3	1.3	-	-	28	DMT <sup>4</sup>	
_	12/4/2017 1/8/2018		DNAPL gauging	ng not required to be comp	bleted (10 event requirement met)		-	-
	2/5/2018	42.2	1.4	or pumping not completed	due to adverse weather conditions	91	DMT <sup>4</sup>	-
	3/5/2018	42.3	1.3		-	28	DMT <sup>4</sup>	
	4/2/2018	42.0	1.6		-	28	DMT <sup>4</sup>	
	5/7/2018	41.9	1.7	-		35	DMT <sup>4</sup>	
	6/5/2018 7/9/2018	42.5 42.2	1.1 1.4	-	-	29 34	DMT <sup>4</sup>	
	7/9/2018 8/6/2018	42.2 42.3	1.4	1		34 28	DMT <sup>4</sup>	
	9/10/2018	42.3	1.3			35	DMT <sup>4</sup>	
	10/1/2018	41.9	1.7	-	-	21	DMT <sup>4</sup>	
	11/5/2018	42.9	0.8	-	-	35	DMT <sup>4</sup>	
_	12/10/2018	42.2	1.4	-	-	35	DMT <sup>4</sup>	
_	1/14/2019 2/4/2019	42.9 42.3	0.7 1.3	-	-	35 21	DMT <sup>4</sup>	-
	3/11/2019	42.4	1.2	-		35	DMT <sup>4</sup>	-
	4/1/2019	42.6	1.0	-	-	21	DMT <sup>4</sup>	
	5/6/2019	42.5	1.1		-	35	DMT <sup>4</sup>	
_	6/3/2019	42.4	1.2	-	-	28	DMT <sup>4</sup>	
	8/5/2019	42.5	1.1	-	-	63	DMT <sup>4</sup>	-
	9/9/2019	42.4	1.2	-	-	35	DMT <sup>4</sup>	-
	1	TOTAL VOLUME RECO	VERED TO DATE FROM	HAOW-12A (GALLONS)	49.7			
HARW-1	Cumulative 9/29/2010 - 12/10/2016	-			0.0			-
_	1/16/2017	No product detected	0.0	-	-	37	DMT <sup>4</sup>	-
_	2/20/2017 3/6/2017	No product detected	0.0	or pumping not completed	due to adverse weather conditions	49	DMT <sup>4</sup>	-
	4/3/2017	No product detected	0.0	-	-	28	DMT <sup>4</sup>	
	5/1/2017	No product detected	0.0	-	-	28	DMT ⁴	•
_	6/5/2017	No product detected	0.0	-	-	35	DMT <sup>4</sup>	
_	7/10/2017	No product detected	0.0	-	-	35	DMT <sup>4</sup>	
_	8/7/2017 9/11/2017	No product detected	0.0			28 35	DMT <sup>4</sup>	
	10/9/2017	No product detected No product detected	0.0	-		28	DMT <sup>4</sup>	
	11/6/2017	No product detected	0.0		-	28	DMT <sup>4</sup>	
	12/4/2017		DNAPL pumpi	ng not required to be comp	pleted (10 event requirement met)	•	-	
	1/8/2018 2/5/2018	No product doto-to-d	DNAPL gauging 0.0	or pumping not completed	due to adverse weather conditions	91	- DMT <sup>4</sup>	
	3/5/2018	No product detected No product detected	0.0		-	28	DMT <sup>4</sup>	-
	4/2/2018	No product detected	0.0	1		28	DMT <sup>4</sup>	- :
	5/7/2018	No product detected	0.0	-	-	35	DMT <sup>4</sup>	
	6/5/2018	No product detected	0.0	-	-	29	DMT 4	
_	7/9/2018	No product detected	0.0	-	-	34	DMT <sup>4</sup>	
	8/6/2018 9/10/2018	No product detected	0.0	-	-	28 35	DMT <sup>4</sup>	-
	10/1/2018	No product detected No product detected	0.0	-		21	DMT <sup>4</sup>	
	11/5/2018	No product detected	0.0	-	-	35	DMT <sup>4</sup>	
	12/10/2018	No product detected	0.0			35	DMT <sup>4</sup>	
_	1/14/2019	No product detected	0.0	-	-	35	DMT <sup>4</sup>	-
	2/4/2019	No product detected	0.0	-	-	21	DMT <sup>4</sup>	-
	3/11/2019 4/1/2019	No product detected No product detected	0.0	-	1	35 21	DMT <sup>4</sup>	-
	5/6/2019	No product detected	0.0			35	DMT <sup>4</sup>	- :
	6/3/2019	No product detected	0.0	-		28	DMT <sup>4</sup>	-
	8/5/2019	No product detected	0.0	-	-	63	DMT <sup>4</sup>	
_	9/9/2019	No product detected	0.0	-	-	35	DMT <sup>4</sup>	-
		TOTAL VOLUME DE	OVERED TO DATE ED	OM HARW-1 (GALLONS)	0.0			

SOVEREIGN CONSULTING INC.

	D	Donth to Product (6)	Product Apparent Height -	Product Apparent Height -	Approximate Volume of	Days Elapsed Between	Measurement Tool	Beenium Describer !!
/A DI4/ 0	Date	Depth to Product (ft)	Pre-pumping (ft)	Post-pumping (ft)	Product Recovered (gallons) 3	Measurement Readings	Used	Recovery Procedure Use
IARW-2	Cumulative 9/29/2010 - 12/10/2016 1/18/2017	36.0	4.0	0.7	711.4 8.7	37	DMT <sup>4</sup>	dauble discharge surre
	2/20/2017	30.0			due to adverse weather conditions	37	DIVIT	double diaphragm pump
	3/6/2017	36.3	3.7	0.2	9.1	47	DMT <sup>4</sup>	double diaphragm pump
	4/3/2017	38.0	2.0	0.04	5.1	28	DMT <sup>4</sup>	double diaphragm pump
	5/1/2017	38.4	1.6			28	DMT <sup>4</sup>	double diaprilagin pump
	6/5/2017	36.0	4.0	0.17	10.0	35	DMT <sup>4</sup>	double diaphragm pump
	7/10/2017	38.2	1.8	0.17	10.0	35	DMT <sup>4</sup>	double diaphragin pump
	8/8/2017	35.3	4.7	0	12.2	29	DMT <sup>4</sup>	double diaphragm pump
	9/11/2017	39.5	0.5	-	12.2	34	DMT <sup>4</sup>	double diaprilagili pullip
	10/9/2017	36.9	3.1	0.2	7.6	28	DMT <sup>4</sup>	double diaphragm pump
	11/6/2017	39.0	1.0	0.2	7.0	28	DMT <sup>4</sup>	double diaphragin puni
	12/4/2017	39.0		an not required to be comm	oleted (10 event requirement met)	20	- DIVIT	
	1/8/2018		DNAPI gauging	or pumping not completed	due to adverse weather conditions			
	2/5/2018	34.3	5.7	0.08	14.6	91	DMT <sup>4</sup>	double diaphragm pump
	3/5/2018	38.8	1.3	0.00	-	28	DMT <sup>4</sup>	-
	4/3/2018	36.9	3.1	0	8.1	29	DMT <sup>4</sup>	double diaphragm pump
	5/7/2018	38.2	1.8			34	DMT <sup>4</sup>	-
	6/5/2018	36.6	3.4	0.17	8.5	29	DMT <sup>4</sup>	double diaphragm pump
	7/9/2018	38.5	1.5	0.17	6.5	34	DMT <sup>4</sup>	double diaprilagili pullip
	8/6/2018	37.5	2.5	0.3	5.7	28	DMT <sup>4</sup>	double diaphragm pump
	9/10/2018	38.4	1.6	0.0	5.1	35	DMT <sup>4</sup>	double diapriragili pulli
	10/1/2018	38.4	2.5	0.08	6.3	21	DMT <sup>4</sup>	double diaphraam
	11/5/2018	40.0	0.0	0.00	0.3	35	DMT <sup>4</sup>	double diaphragm pump
	12/10/2018	38.0	2.0	0.08	5	35	DMT <sup>4</sup>	double diaphragm pump
	1/14/2019	38.8	1.3	0.08	3	35	DMT <sup>4</sup>	uouble diaprilagili pum
	2/4/2019	38.8	2.0	0.08	5	35 21	DMT <sup>4</sup>	double diaphragm pump
	3/11/2019	38.8				35	DMT <sup>4</sup>	double diaprilagili pulli
			1.2	-	-		DMT <sup>4</sup>	<u> </u>
	4/1/2019 5/6/2019	38.5 36.8	1.5 3.2	0.25	7.6	21 35	DMT <sup>4</sup>	
	6/3/2019	38.8	1.3			28	DMT <sup>4</sup>	double diaphragm pump
				-				
	8/5/2019	36.8	3.2	0.25	7.6	63	DMT <sup>4</sup>	double diaphragm pump
	9/9/2019	38.5	1.5	-	-	35	DMI	
		TOTAL VOLUME REC	COVERED TO DATE FRO	OM HARW-2 (GALLONS)	832.5			
IARW-3	Cumulative 10/14/2010 - 12/10/2016	-			25.3			
	1/16/2017	37.4	1.6		-	37	DMT <sup>4</sup>	-
	2/20/2017		DNAPL gauging	or pumping not completed	due to adverse weather conditions			-
	3/6/2017	37.9	1.1	-	-	49	DMT <sup>4</sup>	-
	4/3/2017	37.6	1.4	-	-	28	DMT <sup>4</sup>	
	4/3/2017 5/1/2017	37.6 37.7	1.4	-		28 28	DMT <sup>4</sup>	-
	4/3/2017	37.6	1.4	-	-	28	DMT <sup>4</sup>	
	4/3/2017 5/1/2017 6/5/2017 7/10/2017	37.6 37.7 37.7 37.3	1.4 1.3 1.3 1.7		-	28 28 28 35 35	DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup>	:
	4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017	37.6 37.7 37.7 37.3 37.6	1.4 1.3 1.3 1.7 1.4	-		28 28 35 35 28	DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup>	-
	4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017	37.6 37.7 37.7 37.3 37.6 37.2	1.4 1.3 1.3 1.7 1.4 1.8			28 28 35 35 28 35	DMT <sup>4</sup>	-
	4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017	37.6 37.7 37.7 37.3 37.6	1.4 1.3 1.3 1.7 1.4	-	-	28 28 35 35 28	DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup>	- - - -
	4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017	37.6 37.7 37.7 37.3 37.6 37.2	1.4 1.3 1.3 1.7 1.4 1.8 1.4			28 28 35 35 28 35	DMT <sup>4</sup>	: : : :
	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	37.6 37.7 37.7 37.3 37.6 37.2 37.6	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.3 DNAPL pumpir	- - - - - ng not required to be comp	- - - - Dieted (10 event requirement met)	28 28 35 35 28 35 28	DMT <sup>4</sup>	
	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	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.7	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.3 DNAPL pumpir	- - - - - ng not required to be comp		28 28 35 35 28 35 28	DMT <sup>4</sup>	
	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 18/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.7	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.3 DNAPL pumpir	- - - - - ng not required to be comp	- - - - Dieted (10 event requirement met)	28 28 35 35 35 28 35 28 28	DMT <sup>4</sup>	
	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 1/6/2018 2/5/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.7	1.4 1.3 1.3 1.7 1.7 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8	ng not required to be compor pumping not completed	bleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 36 28 36 28 28 28	DMT <sup>4</sup>	
	4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/8/2017 12/4/2017 18/2018 2/5/2018 4/2/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.7 37.7 37.5	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.9 DNAPL pumpin DNAPL gauging 1.5 1.8 1.5	rg not required to be comp or pumping not completed		28 28 35 35 35 28 35 28 28 28	DMT <sup>4</sup> - DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup>	
	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 1/6/2018 2/5/2018 3/5/2018 4/2/2018 5/7/2018	37.6 37.7 37.7 37.3 37.8 37.2 37.6 37.7 37.5 37.5 37.5 37.5 37.5 37.5 38.6	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 1.5 0.4	ng not required to be comp or pumping not completed	oleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 35 28 35 28 28 28 28	DMT <sup>4</sup>	
	4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/8/2017 12/4/2017 18/2018 2/5/2018 4/2/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.7 37.7 37.5	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.9 DNAPL pumpin DNAPL gauging 1.5 1.8 1.5	rg not required to be comp or pumping not completed		28 28 35 35 35 28 35 28 28 28	DMT <sup>4</sup>	
	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 1/6/2018 2/5/2018 3/5/2018 4/2/2018 5/7/2018	37.6 37.7 37.7 37.3 37.8 37.2 37.6 37.7 37.5 37.5 37.5 37.5 37.5 37.5 38.6	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 1.5 0.4	ng not required to be comp or pumping not completed	oleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 35 28 35 28 28 28 28	DMT <sup>4</sup>	
	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 18/2018 2/5/2018 4/2/2018 5/7/2018 6/5/2018	37.6 37.7 37.7 37.3 37.6 37.6 37.2 37.6 37.7 37.5 37.5 37.5 37.2 37.5 37.2 37.5 38.6	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.3 DNAPL pumpil DNAPL gauging 1.5 1.8 1.5 0.4 0.3	ng not required to be compror pumping not completed	bleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 28 35 28 35 28 28 28 28 28	DMT <sup>4</sup>	double diaphragm pum
	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 18/2018 2/5/2018 3/5/2018 4/2/2018 6/5/2018 7/9/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.2 37.7 37.5 37.5 37.5 38.6 38.7	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 1.5 0.4 0.3	ng not required to be compor pumping not completed	bleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 35 28 35 28 28 28 28 28 28 28 29	DMT <sup>4</sup>	double diaphragm pum
	4/3/2017 5/11/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 16/2018 2/5/2018 3/5/2018 4/2/2018 5/7/2018 6/5/2018 8/6/2018	37.6 37.7 37.7 37.3 37.8 37.2 37.6 37.7 37.5 37.5 37.5 37.5 38.6 38.7 38.7	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 1.5 0.4 0.3 0.4	ng not required to be compor pumping not completed	bleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 35 28 35 28 35 28 28 28 28 31 31 28 28 28 28 28 28 28 28 28 28 28 28 28	DMT 4	double diaphragm pum
	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 11/6/2017 11/6/2018 3/5/2018 4/2/2018 5/7/2018 6/5/2018 7/9/2018 8/6/2018 1/9/2018 1/9/2018 1/9/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.2 37.5 37.5 37.5 38.6 38.7 38.7 38.6	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 0.4 0.3 0.3 0.4 0.4 0.4	ng not required to be compror pumping not completed	bleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 35 28 36 28 37 28 28 28 28 28 28 28 28 28 28 28 28 35 29 34 28 35 21	DMT 4 DMT 5 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 5 DMT 4 DMT 5 DMT 4 DMT 5 DMT 6 DMT 6 DMT 6 DMT 7	double diaphragm pum
	4/3/2017 5/1/2017 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 12/4/2017 16/2018 2/5/2018 4/2/2018 4/2/2018 6/5/2018 7/9/2018 8/6/2018 9/10/2018 10/1/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.7 37.5 37.5 37.5 37.5 37.2 37.5 38.6 38.7 38.6 38.6	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 1.5 0.4 0.3 0.3 0.4 0.4 0.4 0.2	ng not required to be comported or pumping not completed	Joleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 28 28 28 28 35 28 28 35 28 28 35 28 28 28 35 29 34 28 35 29 34 28 35 21 35 35	DMT 4 DMT 5 DMT 4 DMT 4 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 7 DMT 1 DMT 1 DMT 4 DMT 4 DMT 4 DMT 4 DMT 6 DMT 6 DMT 7 DMT 7 DMT 7 DMT 7 DMT 8 DMT 8 DMT 9 DMT 9 DMT 1	double diaphragm pum
	4/3/2017 5/1/2017 6/15/2017 7/10/2017 8/7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 18/2018 2/5/2018 4/2/2018 4/2/2018 5/7/2018 6/5/2018 7/9/2018 8/6/2018 9/10/2018 10/1/2018 11/5/2018	37.6 37.7 37.7 37.3 37.6 37.6 37.2 37.5 37.5 37.5 38.6 38.7 38.7 38.6 38.6 38.6	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 1.5 0.4 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3	ng not required to be comported or pumping not completed	Joleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 35 28 35 28 35 28 28 28 21 31 32 35 35 29 34 36 31 31 31 31 31 31 31 31 31 31 31 31	DMT 4 DMT 5 DMT 4 DMT 5 DMT 4	double diaphragm pum
	4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 3/5/2018 3/5/2018 4/2/2018 5/7/2018 6/5/2018 9/10/2018 16/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018	37.6 37.7 37.3 37.6 37.2 37.6 37.2 37.5 37.5 37.5 38.6 38.7 38.6 38.6 38.6 38.6 38.6	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 0.4 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.4	ng not required to be compored to be compored to be compored to be completed.	Joleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 38 38 38 38 28 28 28 28 39 31 28 28 28 21 35 31 35 35 35 35	DMT 4 DMT 5 DMT 4 DMT 5 DMT 4 DMT 4 DMT 4 DMT 5 DMT 4	double diaphragm pum
	4/3/2017 5/1/2017 5/1/2017 6/5/2017 7/10/2017 8/7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 4/2/2018 5/7/2018 6/5/2018 6/5/2018 9/10/2018 10/1/2018 10/1/2018 10/1/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.2 37.5 37.2 37.5 38.6 38.7 38.7 38.7 38.6 38.6 38.6 38.6 38.6 38.6 38.6	1.4 1.3 1.3 1.7 1.4 1.8 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 1.5 0.4 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	or pumping not completed  0.3 0.3	bleted (10 event requirement met) due to adverse weather conditions 3.3	28 28 35 35 36 28 35 28 37 28 28 28 28 28 28 28 28 29 34 28 35 29 34 28 35 21 35 35 21	DMT 4 DMT 5 DMT 4 DMT 5 DMT 4 DMT 5 DMT 4 DMT 4 DMT 5 DMT 5 DMT 6 DMT 6 DMT 7	double diaphragm pum
	4/3/2017 5/1/2017 5/1/2017 6/5/2017 7/10/2017 8/7/10/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 4/2/2018 4/2/2018 5/7/2018 6/5/2018 7/9/2018 8/6/2018 9/10/2018 10/1/2018 11/5/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.7 37.7 37.5 37.5 38.6 38.7 38.7 38.6 38.6 38.6 38.6 38.8	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.9 DNAPL gauging 1.5 1.6 0.4 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.3 0.4 0.4	ng not required to be compored to be compored to be compored to be completed.	Joleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 38 38 38 38 38 28 28 28 28 28 21 35 36 21 35 35 35	DMT 4 DMT 5 DMT 4	double diaphragm pum
	4/3/2017 5/1/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 9/11/2017 10/9/2017 11/9/2017 11/9/2017 11/9/2017 11/9/2017 11/9/2018 2/5/2018 4/2/2018 4/2/2018 6/5/2018 7/9/2018 6/5/2018 7/9/2018 8/6/2018 10/1/2018 11/5/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.2 37.5 37.2 37.5 38.6 38.7 38.7 38.6 38.6 38.6 38.8 38.8	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 0.4 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.5 0.3 0.3 0.3 0.4 0.4 0.5 0.3 0.3 0.3 0.3 0.4 0.4 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	or pumping not completed  0.3 0.3		28 28 35 35 38 38 38 38 28 38 28 28 39 91 28 35 29 34 28 35 21 35 35 21	DMT 4 DMT 5 DMT 4 DMT 6 DMT 7 DMT 7 DMT 7 DMT 8 DMT 9 DMT 9 DMT 9 DMT 1	double diaphragm pum
	4/3/2017 5/1/2017 5/1/2017 6/5/2017 7/10/2017 8/7/10/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 4/2/2018 4/2/2018 5/7/2018 6/5/2018 7/9/2018 8/6/2018 9/10/2018 10/1/2018 11/5/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.7 37.7 37.5 37.5 38.6 38.7 38.7 38.6 38.6 38.6 38.6 38.8	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.9 DNAPL gauging 1.5 1.6 0.4 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.3 0.4 0.4	ng not required to be comported or pumping not completed or pumping not complete or pumping not c	bleted (10 event requirement met) due to adverse weather conditions	28 28 35 35 38 38 38 38 38 28 28 28 28 28 21 35 36 21 35 35 35	DMT 4 DMT 5 DMT 4	double diaphragm pum
	4/3/2017 5/1/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 9/11/2017 10/9/2017 11/9/2017 11/9/2017 11/9/2017 11/9/2017 11/9/2018 2/5/2018 4/2/2018 4/2/2018 6/5/2018 7/9/2018 6/5/2018 7/9/2018 8/6/2018 10/1/2018 11/5/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.2 37.5 37.2 37.5 38.6 38.7 38.7 38.6 38.6 38.6 38.8 38.8	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 0.4 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.5 0.3 0.3 0.3 0.4 0.4 0.5 0.3 0.3 0.3 0.3 0.4 0.4 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	ng not required to be completed  0.3 0.3		28 28 35 35 38 38 38 38 28 38 28 28 39 91 28 35 29 34 28 35 21 35 35 21	DMT 4 DMT 5 DMT 4 DMT 6 DMT 7 DMT 7 DMT 7 DMT 8 DMT 9 DMT 9 DMT 9 DMT 1	double diaphragm pum
	4/3/2017 5/1/2017 6/1/2017 6/1/2017 7/10/2017 8/7/10/2017 9/11/2017 10/9/2017 11/8/2017 11/8/2017 11/8/2017 11/8/2017 11/8/2018 2/5/2018 3/5/2018 4/2/2018 4/2/2018 5/7/2018 6/5/2018 7/9/2018 8/6/2018 9/10/2018 11/5/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.2 37.7 37.5 38.6 38.7 38.6 38.6 38.6 38.8 38.8 38.8	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.9 DNAPL gauging 1.5 1.6 0.4 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	ng not required to be completed  0.3 0.3		28 28 35 35 38 38 38 38 38 28 39 91 28 28 36 29 34 28 35 29 34 28 35 21 35 35 21 35 21 35 21	DMT 4 DMT 5	double diaphragm pum
	4/3/2017 5/1/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 4/2/2018 4/2/2018 5/7/2018 6/5/2018 7/9/2018 8/6/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2018 11/1/2019 3/11/2019 3/11/2019 4/1/2019 5/6/2019	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.7 37.5 37.5 37.5 37.5 38.6 38.6 38.6 38.6 38.6 38.6 38.6 38.8 38.8	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.3 DNAPL pumpin DNAPL gauging 1.5 1.8 1.5 0.4 0.3 0.3 0.4 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	ng not required to be completed  0.3 0.3		28 28 35 35 28 28 35 35 29 34 28 35 35 21 35 35 21 35 21 35 21 35 28 63 63	DMT 4 DMT 5 DMT 4 DMT 5 DMT 4 DMT 6 DMT 6 DMT 7	double diaphragm pum
	4/3/2017 5/1/2017 6/1/2017 6/1/2017 7/10/2017 8/7/10/2017 9/11/2017 10/9/2017 11/8/2017 11/8/2017 11/8/2017 11/8/2017 11/8/2018 2/5/2018 3/5/2018 4/2/2018 4/2/2018 5/7/2018 6/5/2018 7/9/2018 8/6/2018 9/10/2018 11/5/2018	37.6 37.7 37.7 37.3 37.6 37.2 37.6 37.2 37.7 37.5 38.6 38.7 38.6 38.6 38.6 38.8 38.8 38.8	1.4 1.3 1.3 1.7 1.4 1.8 1.4 1.8 1.4 1.8 1.4 1.9 DNAPL gauging 1.5 1.6 0.4 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.2 0.3 0.3 0.3 0.4 0.4 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	ng not required to be completed  0.3 0.3		28 28 35 35 38 38 38 38 38 28 39 91 28 28 36 29 34 28 35 29 34 28 35 21 35 35 21 35 21 35 21	DMT 4 DMT 5 DMT 4 DMT 6 DMT 6 DMT 6 DMT 6 DMT 7 DMT 6 DMT 7 DMT 7 DMT 7 DMT 7 DMT 8 DMT 8 DMT 9	

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			Product Apparent Height -	Product Apparent Height -	Approximate Volume of	Days Elapsed Between	Measurement Tool	
	Date	Depth to Product (ft)	Pre-pumping (ft)	Post-pumping (ft)	Product Recovered (gallons) 3	Measurement Readings	Used	Recovery Procedure Used
HARW-4	Cumulative 10/14/2010 - 12/10/2016	-			202.3	-		-
	1/16/2017	39.3	1.7	-	-	37	DMT <sup>4</sup>	-
	2/20/2017			or pumping not completed	due to adverse weather conditions		DMT <sup>4</sup>	-
	3/6/2017	39.5	1.5		-	49	DMT <sup>4</sup>	-
	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 <sup>4</sup>	-
	6/5/2017	40.3	0.8	-	-	35	DMT <sup>4</sup>	-
	7/10/2017	39.9	1.1	-	-	35	DMT <sup>4</sup>	-
	8/7/2017	39.9	1.1	-		28	DMT <sup>4</sup>	-
	9/11/2017	39.6	1.4	-	-	35	DMT <sup>4</sup>	-
	10/9/2017	39.8	1.2	-	-	28	DMT <sup>4</sup>	-
	11/6/2017	39.4	1.6	-	-	28	DMT <sup>4</sup>	-
	12/4/2017		DNAPL pumpir	g not required to be comp	eleted (10 event requirement met)			-
	1/8/2018			or pumping not completed	due to adverse weather conditions			-
	2/5/2018	39.3	1.7	-		91	DMT <sup>4</sup>	-
	3/5/2018	39.9	1.1	-	-	28	DMT <sup>4</sup>	-
	4/2/2018	39.3	1.7	-	-	28	DMT <sup>4</sup>	-
	5/8/2018	38.8	2.2	0.1	5.4	36	DMT <sup>4</sup>	double diaphragm pump
	6/5/2018	40.8	0.2	-		28	DMT <sup>4</sup>	-
	7/9/2018	40.8	0.2	-	-	34	DMT <sup>4</sup>	-
	8/6/2018	40.8	0.3	-	-	28	DMT <sup>4</sup>	-
	9/10/2018	40.8	0.2		-	35	DMT <sup>4</sup>	-
	10/1/2018	40.5	0.5		-	21	DMT <sup>4</sup>	-
	11/5/2018	40.5	0.5	-		35	DMT <sup>4</sup>	-
	12/10/2018	40.4	0.6	-		35	DMT <sup>4</sup>	-
	1/14/2019	40.4	0.6	-		35	DMT <sup>4</sup>	-
	2/4/2019	40.4	0.6	-	-	21	DMT <sup>4</sup>	-
	3/11/2019	40.3	0.8	-		35	DMT <sup>4</sup>	-
	4/1/2019	39.8	1.2	-	-	21	DMT <sup>4</sup>	-
	5/6/2019	40.0	1.0	-	-	35	DMT <sup>4</sup>	-
	6/3/2019	40.0	1.0	-	-	28	DMT <sup>4</sup>	-
	8/5/2019	39.8	1.2	-	-	63	DMT <sup>4</sup>	-
	9/9/2019	39.8	1.3			35	DMT <sup>4</sup>	-
		39.8	1.3 COVERED TO DATE FRO	 M HARW-4 (GALLONS)	213.8	35	DMT <sup>4</sup>	-
HARW-5	9/9/2019	39.8		 M HARW-4 (GALLONS) -		35	DMT <sup>4</sup>	-
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/17/2017	39.8	COVERED TO DATE FRO - 5.1	0.2	213.8 800.2 14.1	35 - 37	DMT <sup>4</sup>	- double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017	39.8 TOTAL VOLUME REC - 35.2	- 5.1 DNAPL gauging	0.2 pr pumping not completed	213.8 800.2 14.1 due to adverse weather conditions	37	- DMT <sup>4</sup>	-
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 2/20/2017 3/6/2017	39.8  TOTAL VOLUME REC  - 35.2  37.2	5.1 DNAPL gauging 3.1	0.2 or pumping not completed 0.1	213.8 800.2 14.1 due to adverse weather conditions 8.7	- 37 48	DMT <sup>4</sup> - DMT <sup>4</sup>	- double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 4/4/2017	39.8  TOTAL VOLUME REC  - 35.2  37.2  35.3	5.1 DNAPL gauging 3.1 5.0	0.2 or pumping not completed 0.1 0.0	800.2 14.1 due to adverse weather conditions 8.7 12.9	- 37 48 29	DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup>	-
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 22/20/2017 3/6/2017 4/4/2017 5/2/2017	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3	5.1 DNAPL gauging 3.1 5.0 6.0	0.2 or pumping not completed 0.1 0.0 0.0	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7	- 37 48 29 28	- DMT 4 - DMT 4 DMT 4 DMT 4	double diaphragm pump double diaphragm pump double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/17/2017 22/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017	39.8  TOTAL VOLUME REC  35.2  37.2  36.3  34.3  35.3	5.1 DNAPL gauging 3.1 5.0 6.0 5.0	- 0.2 or pumping not completed 0.1 0.0 0.0	213.8 800.2 14.1 due to adverse weather conditions 8.7 12.9 15.7 12.8	37 48 29 28 34	DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup>	double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump
HARW-5	9/9/2019  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	39.8  TOTAL VOLUME REC  35.2  37.2  36.3  34.3  35.3  35.0	5.1 DNAPL gauging 3.1 5.0 6.0 5.0 5.3	0.2 or pumping not completed 0.1 0.0 0.0 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	- 37 48 29 28 34 36	DMT <sup>4</sup>	double diaphragm pump double diaphragm pump double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/1/7/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  35.0  35.3	5.1 DNAPL gauging 3.1 5.0 6.0 5.0 5.3 5.0	0.2 or pumping not completed 0.1 0.0 0.0 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	37 48 29 28 34 36 27	DMT <sup>4</sup>	double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump
HARW-5	9/9/2019  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	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  35.3  35.3  35.3  34.6	5.1 DNAPL gauging 3.1 5.0 6.0 5.0 5.0 5.0 5.0 5.0 5.0 5.7	0.2 or pumping not completed 0.1 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	37 48 29 28 34 36 27 35	DMT <sup>4</sup>	double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 22/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  35.0  35.3  34.6  35.6	5.1 DNAPL gauging 3.1 5.0 6.0 5.3 5.0 4.7	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 0.1 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	37 48 29 28 34 36 27 35 28	DMT <sup>4</sup>	double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump
HARW-5	9/9/2019  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	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  35.3  35.3  35.3  34.6	5.1 DNAPL gauging. 3.1 5.0 6.0 5.0 5.7 4.7 4.3	0.2 or pumping not completed 0.1 0.0 0.1 0.0 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	37 48 29 28 34 36 27 35	DMT <sup>4</sup>	double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 22/02/2017 3/6/2017 4/4/2017 5/2/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  35.0  35.3  34.6  35.6	5.1 DNAPL gauging: 3.1 5.0 6.0 5.0 5.3 5.0 4.7 4.7 4.3 DNAPL pumpir	0.2 or pumping not completed 0.1 0.0 0.0 0.0 0.1 0.1 0.1 0.1 0.1 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	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 14.1 12.2 11.3	37 48 29 28 34 36 27 35 28	DMT <sup>4</sup>	double diaphragm pump double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/1/7/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/8/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  35.0  35.3  34.6  35.6  36.0	20VERED TO DATE FRG 5.1 DNAPL gauging 3.1 5.0 6.0 5.0 5.0 5.0 5.0 4.7 4.7 4.3 DNAPL pumpir DNAPL gauging	or pumping not completed 0.1 0.0 0.0 0.0 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	37 48 29 28 34 36 27 35 28	DMT <sup>4</sup>	double diaphragm pump double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 22/20/2017 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	39.8  TOTAL VOLUME REC  35.2  37.2  37.2  35.3  34.3  35.0  35.0  35.0  35.0  36.0  36.0  36.0  34.8	5.1 DNAPL gauging. 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.3 DNAPL pumpir DNAPL gauging.	or pumping not completed 0.2 0.1 0.0 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1	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	37 48 29 28 34 36 27 35 28 28	DMT <sup>4</sup>	double diaphragm pump double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 22/02/017 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 3/6/2018	39.8  TOTAL VOLUME REC  36.2  37.2  35.3  34.3  35.3  35.0  35.3  34.6  36.0  34.8  35.3	Sovered To Date FRG  5.1  DNAPL gauging. 3.1  5.0  6.0  5.0  5.3  5.0  5.7  4.7  4.3  DNAPL pumpin  DNAPL pumpin  DNAPL gauging. 5.5	0.2 or pumping not completed 0.1 0.0 0.0 0.0 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	37 48 29 28 34 36 27 35 28 28	DMT 4	double diaphragm pump
HARW-5	9/9/2019  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 11/6/2017 11/8/2018 2/6/2018 3/6/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  35.3  35.3  35.3  35.3  36.0  36.0	5.1 DNAPL gauging. 3.1 5.0 6.0 5.0 5.7 4.7 4.3 DNAPL gauging. 5.5 5.5 5.5 5.5 5.0 5.7 4.7 4.3 DNAPL gauging.	0.2 or pumping not completed 0.1 0.0 0.1 0.0 0.0 0.1 0.1 0.1 0.1 0.1	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	37 48 29 28 34 36 27 35 28 28	DMT 4	double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 22/02/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/6/2018 4/3/2018 4/3/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  34.6  35.6  36.0  34.8  34.8  35.3  36.3  36.3  36.3	5.1  DNAPL gauging 3.1  5.0  6.0  5.0  5.0  5.0  5.1  DNAPL gauging 5.7  4.7  4.3  DNAPL gauging 5.5  5.0  4.4  DNAPL gauging 5.5  5.0  4.0  5.2	0.2 or pumping not completed 0.1 0.0 0.0 0.0 0.1 0.1 0.1 0.1 0.1 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	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 leted (10 event requirement met) due to adverse weather conditions	37 48 29 28 34 36 27 35 28 28 28 28	DMT 4	double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/1/7/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 18/2018 2/6/2018 4/3/2018 5/6/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.0  35.0  35.3  34.6  36.0  34.8  35.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3	20VERED TO DATE FRC 5.1 DNAPL gauging 3.1 5.0 6.0 6.0 5.0 5.3 5.0 4.7 4.7 4.3 DNAPL pumpir DNAPL gauging 5.5 5.0 5.7 5.7 4.7 4.3 DNAPL gauging 5.5 5.0 4.0 4.0 5.2 3.9	. 0.2 or pumping not completed 0.1 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 12.2 11.3 due to different requirement met) due to adverse weather conditions 3.9 12.8 9.8	37 48 29 28 34 36 27 35 28 28 28 28 28 28 28	DMT 4	double diaphragm pump
HARW-5	9/9/2019  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 7/11/12017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 1/8/2018 2/6/2018 3/6/2018 4/3/2018 5/6/2018 6/5/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  35.0  35.0  35.0  35.6  36.0  36.0  34.6  35.6  36.0  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3	20VERED TO DATE FRO 5.1 DNAPL gauging 3.1 5.0 6.0 5.0 5.0 5.3 5.0 5.7 4.7 4.3 DNAPL pumpin DNAPL gauging 5.5 5.0 4.0 3.1 4.3 4.3 4.4 4.5	0.2 or pumping not completed 0.1 0.0 0.0 0.0 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 12.8 9.8 13.3 9.8	37 48 29 28 34 36 27 35 28 28 28 28 28 34 35 28 28 34 35 36 37 38 39 30 30 30 30 30 30 30 30 30 30	DMT 4	double diaphragm pump
HARW-5	9/9/2019  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 11/6/2017 11/6/2018 2/6/2018 4/3/2018 5/8/2018 6/5/2018 7/9/2018 8/7/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  34.6  35.6  36.0  34.8  35.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3	COVERED TO DATE FRO 5.1 DNAPL gauging 3.1 5.0 6.0 5.0 5.3 5.0 5.7 4.7 4.3 DNAPL pumpir DNAPL gauging 5.5 5.0 4.7 4.3 DNAPL gauging 5.5 5.0 4.7 4.3 DNAPL gauging 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	. 0.2 or pumping not completed 0.1 0.0 0.0 0.0 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 3.9 12.8 9.8 13.3 9.8 11.5 9.7	37 48 29 28 34 36 27 35 28 28 28 28 28 28 28 29 29 29 20 20 21 22 23 24 25 26 27 28 28 28 28 29 20 20 20 20 20 20 20 20 20 20	DMT 4	double diaphragm pump
HARW-5	9/9/2019  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 11/6/2018 3/6/2018 4/3/2018 6/5/2018 7/9/2018 8/7/2018 8/7/2018	39.8  TOTAL VOLUME REC  35.2  37.2  37.2  35.3  34.3  35.3  35.0  35.0  35.0  35.0  36.0  36.0  34.8  35.8  36.0  34.8  35.8  36.1  36.1	5.1 S.1 S.2	0.2 or pumping not completed 0.1 0.0 0.1 0.0 0.0 0.1 0.1 0.1 0.1 0.1	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 14.1 12.2 19.8 19.8 11.5 9.8 11.5 9.7 11.7	37 48 29 28 34 36 27 35 28 28 92 28 28 34 35 28 28 34 36 27 35 28 34 36 27 35 36 28 38 38 38 38 38 38 38 38 38 3	DMT 4	double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 22/02/2017 3/6/2017 41/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/6/2018 4/3/2018 4/3/2018 6/5/2018 6/5/2018 8/7/2018 8/7/2018 9/10/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  34.6  35.6  36.0  34.8  35.3  36.3	5.1 DNAPL gauging 3.1 5.0 6.0 5.0 5.0 5.0 5.0 5.0 5.7 4.7 4.3 DNAPL pumpin DNAPL gauging 3.5 5.0 5.7 4.7 4.3 DNAPL gauging 5.5 5.0 4.0 4.0 4.0 5.2 3.9 4.5 3.8 4.6	0.2 or pumping not completed 0.1 0.0 0.0 0.0 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 3.9 12.8 9.8 13.3 9.8 11.5 9.7 11.7 5.0	37 48 29 28 34 36 27 35 28 28 28 28 28 28 29 22 28 29 20 21 22 23 24 25 26 27 28 28 28 28 29 20 20 20 20 20 20 20 20 20 20	DMT 4 DMT 5 DMT 4	double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/1/7/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 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 7/9/2018 8/7/2018 9/10/2018 10/2/2018	39.8  TOTAL VOLUME REC  36.2  37.2  35.3  34.3  35.3  35.0  35.3  34.6  36.0  37.2  35.3  35.0  35.3  36.0  36.3  36.0  36.0  36.0  36.0	20VERED TO DATE FRG 5.1 DNAPL gauging 3.1 5.0 6.0 6.0 5.0 5.3 5.0 5.7 4.7 4.3 DNAPL pumpir DNAPL gauging 5.5 5.0 5.1 3.8 4.6 2.0 4.0	0.2 or pumping not completed 0.1 0.1 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 12.2 11.3 due to adverse weather conditions 1.9 12.8 14.1 15.2 11.5 15.7 16.8 16.8 17.8 18.8 19.8 19.8 19.8 11.5 19.7 11.7 10.0	37 48 29 28 34 36 27 35 28 28 28 28 28 28 29 34 29 34 22 34 36 27 35 28 28 36 37 38 38 38 38 38 38 38 38 38 38	DMT 4	double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 2/20/2017 3/6/2017 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 11/6/2018 2/6/2018 3/6/2018 4/3/2018 5/6/2018 6/5/2018 6/5/2018 8/7/2018 8/7/2018 9/10/2018 10/2/2018 11/5/2018 11/5/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  34.6  35.6  36.0  34.8  35.3  36.3	5.1 DNAPL gauging 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.7 4.3 DNAPL pumping DNAPL pumpin DNAPL pumpin DNAPL pumpin 3.5 5.0 5.0 4.0 4.0 5.2 3.9 4.5 3.8 4.6 2.0 4.0 4.0	pr pumping not completed 0.1 0.1 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 3.9 12.8 9.8 13.3 9.8 11.5 9.7 11.7 5.0	37 48 29 28 34 36 27 35 28 28 28 28 28 28 28 28 28 34 29 34 40 29 28 28 28 34 28 28 28 28 28 28 28 28 28 28	DMT 4	double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/1/7/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 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 7/9/2018 8/7/2018 9/10/2018 10/2/2018	39.8  TOTAL VOLUME REC  36.2  37.2  35.3  34.3  35.3  35.0  35.3  34.6  36.0  37.2  35.3  35.0  35.3  36.0  36.3  36.0  36.0  36.0  36.0	20VERED TO DATE FRG 5.1 DNAPL gauging 3.1 5.0 6.0 6.0 5.0 5.3 5.0 5.7 4.7 4.3 DNAPL pumpir DNAPL gauging 5.5 5.0 5.1 3.8 4.6 2.0 4.0	0.2 or pumping not completed 0.1 0.1 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 12.2 11.3 due to adverse weather conditions 1.9 12.8 14.1 15.2 11.5 15.7 16.8 16.8 17.8 18.8 19.8 19.8 19.8 11.5 19.7 11.7 10.0	37 48 29 28 34 36 27 35 28 28 28 28 28 28 29 34 29 34 22 34 36 27 35 28 28 36 37 38 38 38 38 38 38 38 38 38 38	DMT 4	double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 2/20/2017 3/6/2017 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 11/6/2018 2/6/2018 3/6/2018 4/3/2018 5/6/2018 6/5/2018 6/5/2018 8/7/2018 8/7/2018 9/10/2018 10/2/2018 11/5/2018 11/5/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  35.0  35.0  35.6  36.0  36.0  35.6  36.0  36.3  36.3  36.3  36.3  36.3	5.1 DNAPL gauging 3.1 5.0 6.0 5.0 5.0 5.7 4.7 4.7 4.3 DNAPL pumping DNAPL pumpin DNAPL pumpin DNAPL pumpin 3.5 5.0 5.0 4.0 4.0 5.2 3.9 4.5 3.8 4.6 2.0 4.0 4.0	pr pumping not completed 0.1 0.1 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 14.1 12.2 11.3 14.1 12.2 13.3 14.1 12.2 11.3 14.1 15.2 19.8 14.1 11.1 10.9 11.5 9.8 11.5 9.7 11.7 5.0 10.2	37 48 29 28 34 36 27 35 28 28 28 28 28 28 28 28 28 34 29 34 40 29 28 28 28 34 28 28 28 28 28 28 28 28 28 28	DMT 4	double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 22/20/2017 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 11/6/2018 2/6/2018 3/6/2018 4/3/2018 5/8/2018 6/5/2018 7/9/2018 9/10/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  34.6  35.6  36.0  34.8  35.3  34.8  35.3  36.3  36.6  36.0	SOVERED TO DATE FRG  5.1  DNAPL gauging 3.1  5.0  6.0  5.0  5.3  5.0  5.7  4.7  4.3  DNAPL pumpir  DNAPL gauging 5.5  5.0  4.0  4.0  4.0  4.0  4.0	. 0.2 pr pumping not completed 0.1 0.0 0.0 0.0 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 3.9 12.8 9.8 13.3 9.8 11.5 9.7 11.7 5.0 10.2 9.4	37  48 29 28 34 36 27 35 28 28 28 28 28 29 21 31 32 32 34 32 34 33 34 33 34	DMT 4	double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 22/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 6/5/2017 7/11/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 11/6/2018 2/6/2018 3/6/2018 4/3/2018 5/8/2018 6/5/2018 7/9/2018 8/7/2018 9/10/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018	39.8  TOTAL VOLUME REC  35.2  37.2  37.2  35.3  34.3  35.3  35.0  35.0  35.0  35.0  36.0  36.0  36.0  36.0  36.0  36.3  36.1  36.4  36.8  36.6  36.7  38.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3	5.1  DNAPL gauging. 3.1  5.0  6.0  6.0  5.0  5.3  5.0  5.7  4.7  4.3  DNAPL gauging. 5.5  5.0  5.7  4.7  4.3  DNAPL gauging. 5.5  5.0  4.0  5.2  3.8  4.6  2.0  4.0  4.0  4.0  4.0  4.0  4.0  4.0	0.2 or pumping not completed 0.1 0.0 0.1 0.0 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 14.1 12.2 14.1 12.2 14.1 15.9 16.0 17.0 18.0 19.8 19.8 11.5 19.7 11.7 19.9 10.2 10.2 10.2 10.2	29 28 34 36 27 35 28 28 28 28 28 28 28 28 28 29 34 29 34 22 34 22 34 22 34 22 34 22	DMT 4	double diaphragm pump
HARW-S	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/1/7/2017 2/20/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/2017 8/17/2017 9/11/2017 10/9/2017 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 7/9/2018 8/7/2018 9/10/2018 10/2/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018	39.8  TOTAL VOLUME REC  36.2  37.2  36.3  34.3  35.3  34.6  35.6  36.0  34.8  35.3  36.3  36.1  36.4  35.8  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3  36.3	20VERED TO DATE FRC 5.1 DNAPL gauging 3.1 5.0 6.0 6.0 5.0 5.3 5.0 5.7 4.7 4.3 DNAPL pumpir DNAPL gauging 5.5 5.0 4.0 4.0 4.0 4.0 4.0 3.7 2.2	0.2 or pumping not completed 0.1 0.0 0.0 0.0 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  3.9  12.8  9.8  13.3  9.8  11.5  9.7  11.7  5.0  10.2  9.4  9.4	28 28 34 36 27 35 28 28 28 28 28 28 29 22 28 28 29 22 28 35 28 35 28 36 37 28 28 36 37 28 28 38 39 28 28 28 28 28 28 28 28 28 34 36 27 28 28 28 28 28 28 28 28 28 28 28 28 28	DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 5 DMT 4 DMT 5 DMT 4 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 8 DMT 8 DMT 9	double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/12017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 1/8/2018 2/6/2018 3/6/2018 4/3/2018 5/6/2018 6/5/2018 6/5/2018 1/9/2018 11/5/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  35.0  35.0  35.0  35.6  36.0  36.0  35.8  36.3	5.1 DNAPL gauging. 3.1 5.0 6.0 6.0 5.0 5.7 4.7 4.3 DNAPL gauging. DNAPL gauging. 5.1 5.0 5.7 4.7 4.3 DNAPL pumping. DNAPL gauging. 5.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	0.2 or pumping not completed 0.1 0.1 0.1 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 14.1 12.2 13.9 14.1 15.9 15.7 12.8 14.1 15.9 16.8 17.8 18.8 19.8 19.8 19.8 11.5 19.7 11.7 19.9 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2	37 48 29 28 34 36 27 35 28 28 28 28 28 28 35 28 34 29 34 29 28 35 28 28 28 28 28 28 28 28 28 28	DMT 4	double diaphragm pump
HARW-S	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 22/02/2017 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 3/6/2018 4/3/2018 5/8/2018 6/5/2018 6/5/2018 11/5/2018 11/12/2018 11/12/2018 11/12/2018 11/12/2018 11/12/2018 11/12/2018 11/12/2018 11/12/2018 11/12/2018 11/12/2018 11/12/2018 11/12/2018 11/12/2018 11/12/2019 3/11/2019 4/7/2019 6/12/2019	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  34.3  35.3  34.6  35.6  36.0  36.0  34.8  35.3  36.3  36.3  36.3  36.3  36.6  36.7  36.8  36.8  36.8  36.8  36.8  36.9	COVERED TO DATE FRO  5.1  DNAPL gauging 3.1  5.0  6.0  5.0  5.3  5.0  5.7  4.7  4.3  DNAPL pumpir  DNAPL gauging 5.5  5.0  4.0  4.0  4.0  4.0  4.0  4.0	. 0.2 or pumping not completed 0.1 0.0 0.0 0.0 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 12.8 13.3 19.8 11.5 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	37  48 29 28 34 36 27 35 28 28 28 28 29 21 31 32 32 34 34 29 34 32 34 36 36 37 38 38 39 39 30 30 30 30 30 30 30 30 30 30 30 30 30	DMT 4	double diaphragm pump
HARW-S	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 1/17/2017 2/20/2017 3/6/2017 3/6/2017 4/4/2017 5/2/2017 6/5/2017 7/11/12017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 1/8/2018 2/6/2018 3/6/2018 4/3/2018 5/6/2018 6/5/2018 6/5/2018 1/9/2018 11/5/2018	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  35.0  35.0  35.0  35.6  36.0  36.0  35.8  36.3	5.1 DNAPL gauging. 3.1 5.0 6.0 6.0 5.0 5.7 4.7 4.3 DNAPL gauging. DNAPL gauging. 5.1 5.0 5.7 4.7 4.3 DNAPL pumping. DNAPL gauging. 5.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	0.2 or pumping not completed 0.1 0.1 0.1 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 14.1 12.2 13.9 14.1 15.9 15.7 12.8 14.1 15.9 16.8 17.8 18.8 19.8 19.8 19.8 11.5 19.7 11.7 19.9 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2	37 48 29 28 34 36 27 35 28 28 28 28 28 28 35 28 34 29 34 29 28 35 28 28 28 28 28 28 28 28 28 28	DMT 4	double diaphragm pump
HARW-5	9/9/2019  Cumulative 7/18/2011 - 12/10/2016 11/17/2017 2/20/2017 3/6/2017 414/2017 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 3/6/2018 4/3/2018 5/8/2018 6/5/2018 7/9/2018 8/7/2018 8/7/2018 11/5/2019 3/11/2019 4/2/2019 5/7/2019 6/4/2019	39.8  TOTAL VOLUME REC  35.2  37.2  35.3  34.3  35.3  35.0  35.3  34.6  35.6  36.0  34.8  35.8  36.3  36.3  36.1  36.4  36.6  36.6  36.7  37.3  36.3  36.7  37.3  36.7	5.1 DNAPL gauging. 3.1 5.0 6.0 6.0 5.0 5.7 4.7 4.3 DNAPL gauging. 5.5 5.0 5.7 4.7 4.3 DNAPL pumpir DNAPL gauging. 5.5 5.0 5.0 5.2 3.9 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	. 0.2 or pumping not completed 0.1 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 14.1 12.2 14.1 12.2 15.7 12.8 14.1 12.9 14.1 12.9 14.1 15.0 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10	29 28 34 36 27 35 28 28 28 28 28 28 28 28 28 35 28 34 29 34 22 34 22 34 22 34 22 34 22 34 35 28 35 28 35 28 35 28 35 28 36 36 37 38 38 38 38 38 38 38 38 38 38 38 38 38	DMT 4	double diaphragm pump

SOVEREIGN CONSULTING INC.

	P-4	Donth to Deadust (ft)	Product Apparent Height -	Product Apparent Height -	Approximate Volume of	Days Elapsed Between	Measurement Tool	
HARW-6	Date	Depth to Product (ft)	Pre-pumping (ft)	Post-pumping (ft)	Product Recovered (gallons) 3	Measurement Readings	Used	Recovery Procedure Used
HARW-6	Cumulative 7/19/2011 - 12/10/2016 1/16/2017	40.0	0.8	-	0.0	37	DMT <sup>4</sup>	-
	2/20/2017	40.0		or numning not completed	due to adverse weather conditions	3/	DMT	
	3/6/2017	40.0	0.8		due to adverse weather conditions	49	DMT <sup>4</sup>	
	4/3/2017	40.1	0.8	-	-	28	DMT <sup>4</sup>	
	5/1/2017	40.1	0.7	-	-	28	DMT <sup>4</sup>	-
	6/5/2017	40.3	0.5	-	-	35	DMT <sup>4</sup>	-
	7/10/2017	40.2	0.6			35	DMT <sup>4</sup>	
	8/7/2017	40.3	0.5	-	-	28	DMT <sup>4</sup>	
	9/11/2017	40.0	0.8		_	35	DMT <sup>4</sup>	
	10/9/2017	39.9	0.9		_	28	DMT <sup>4</sup>	
	11/6/2017	39.8	1.0		_	28	DMT <sup>4</sup>	_
	12/4/2017	55.0		ng not required to be comp	leted (10 event requirement met)	20	- DIWIT	-
	1/8/2018		DNAPL gauging	or pumping not completed	due to adverse weather conditions			
	2/5/2018	40.0	0.8	-	-	91	DMT <sup>4</sup>	-
	3/5/2018	40.7	0.1		-	28	DMT <sup>4</sup>	-
	4/2/2018	40.1	0.8	-	-	28	DMT <sup>4</sup>	-
	5/7/2018	40.1	0.7	-	-	35	DMT <sup>4</sup>	
	6/5/2018	40.1	0.8	-	-	29	DMT <sup>4</sup>	-
	7/9/2018	40.1	0.7	-	_	34	DMT <sup>4</sup>	
	8/6/2018	39.9	0.9	-	-	28	DMT <sup>4</sup>	
	9/10/2018	40.1	0.8	-	-	35	DMT <sup>4</sup>	
	10/1/2018	40.1	0.8	-	-	21	DMT <sup>4</sup>	
	11/5/2018	40.7	0.1	-	-	35	DMT <sup>4</sup>	
	12/10/2018	40.1	0.7	_	_	35	DMT <sup>4</sup>	
	1/14/2019	40.1	0.7	1	_	35	DMT <sup>4</sup>	
	2/4/2019	40.1	0.7	-	-	21	DMT <sup>4</sup>	
	3/11/2019	40.4	0.4	-		35	DMT <sup>4</sup>	
	4/1/2019	40.3	0.5			21	DMT <sup>4</sup>	
	5/6/2019	40.3	0.5		-	35	DMT <sup>4</sup>	
	6/3/2019	40.3	0.5	- :	-	28	DMT <sup>4</sup>	
	8/5/2019	40.3	0.5	-	-	63	DMT <sup>4</sup>	
	9/9/2019	40.0	0.8	-		35	DMT <sup>4</sup>	
		TOTAL VOLUME REC	OVERED TO DATE FRO	OM HARW-6 (GALLONS)	0.0			
HARW-7	Cumulative 7/18/2011 - 12/10/2016	-		-	482.1	-	•	
HARW-7	1/17/2017	TOTAL VOLUME REC	- 4.8	0.1	482.1 12.2	- 37	- DMT <sup>4</sup>	double diaphragm pump
HARW-7	1/17/2017 2/20/2017	37.3	- 4.8 DNAPL gauging	- 0.1 or pumping not completed	482.1	37		
HARW-7	1/17/2017 2/20/2017 3/6/2017	- 37.3 41.0	- 4.8 DNAPL gauging (	- 0.1 or pumping not completed	482.1 12.2 due to adverse weather conditions	37 48	- DMT <sup>4</sup>	-
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017	37.3 41.0 40.5	- 4.8 DNAPL gauging of 1.0 1.5	0.1 or pumping not completed	482.1 12.2 due to adverse weather conditions	37 48 28	DMT <sup>4</sup>	
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017	37.3 41.0 40.5 38.0	4.8 DNAPL gauging ( 1.0 1.5 4.0	0.1 or pumping not completed 0.2	482.1 12.2 due to adverse weather conditions - 10.0	37 48 28 28	- DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup>	- - - double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017	37.3 41.0 40.5 38.0 40.5	4.8 DNAPL gauging of 1.0 1.5 4.0	0.1 or pumping not completed 0.2	482.1 12.2 due to adverse weather conditions 10.0	37 48 28 28 35	- DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup>	- - - double diaphragm pump -
HARW-7	11/7/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017	37.3 41.0 40.5 38.0 40.5 40.0	4.8 DNAPL gauging ( 1.0 1.5 4.0 1.5 2.0	0.1 or pumping not completed 0.2	482.1 12.2 due to adverse weather conditions - 10.0	37 48 28 28 35 35	- DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup> DMT <sup>4</sup>	- - - double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017	37.3 41.0 40.5 38.0 40.5 40.0 41.5	4.8 DNAPL gauging 1.0 1.5 4.0 1.5 2.0 0.5	0.1 or pumping not completed 0.2	482.1 12.2 due to adverse weather conditions 10.0	37 48 28 28 35 35 28	- DMT <sup>4</sup>	- - - double diaphragm pump -
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017	37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3	4.8 DNAPL gauging ( 1.0 1.5 4.0 1.5 2.0 0.5 1.8	0.1 or pumping not completed 0.2	482.1 12.2 due to adverse weather conditions 10.0	37 48 28 28 35 35 35 28 35	- DMT <sup>4</sup>	- - - double diaphragm pump -
HARW-7	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	37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 40.3	. 4.8 DNAPL gauging . 1.0 1.5 4.0 1.5 2.0 0.5 1.8	0.1 or pumping not completed	482.1 12.2 due to adverse weather conditions 10.0 - 4.8	37 48 28 28 35 35 32 35 28 35 28	- DMT <sup>4</sup>	double diaphragm pump double diaphragm pump
HARW-7	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	37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3	4.8 DNAPL gauging ( 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3	or pumping not completed  or pumping not completed  com	482.1 12.2 due to adverse weather conditions 10.0 - 4.8 11.3	37 48 28 28 35 35 35 28 35	- DMT <sup>4</sup>	double diaphragm pump double diaphragm pump double diaphragm pump
HARW-7	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	37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 40.3	. 4.8 DNAPL gauging (1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpir	0.1 or pumping not completed 0.2 0.2 0.2 0.2 0.2 0.0 0.0 0.0 0.0 0.0	482.1 12.2 due to adverse weather conditions	37 48 28 28 35 35 32 35 28 35 28	- DMT <sup>4</sup>	double diaphragm pump double diaphragm pump
HARW-7	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 11/6/2017	37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7	4.8 DNAPL gauging ( 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpir	0.1 or pumping not completed 0.2 0.2 0.2 0.2 0.2 0.0 0.0 0.0 0.0 0.0	482.1 12.2 due to adverse weather conditions 10.0 - 4.8 11.3	37  48 28 28 35 35 35 28 35 28 35 28	DMT <sup>4</sup>	double diaphragm pump double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 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 1/6/2017 1/6/2017 1/6/2018	37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 40.3 37.7	4.8 DNAPL gauging ( 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpir DNAPL gauging ( 2.7	0.1 or pumping not completed	482.1 12.2 due to adverse weather conditions 10.0 - 4.8 11.3 leted (10 event requirement met) due to adverse weather conditions	37 48 28 28 35 35 35 28 35 28 36 28	DMT <sup>4</sup>	double diaphragm pump double diaphragm pump - double diaphragm pump - double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 1/6/2018 2/5/2018 3/6/2018	37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 37.7	4.8 DNAPL gauging 1.0 1.5 4.0 1.5 2.0 0.5 1.8 4.3 DNAPL pumpin DNAPL gauging 2.7	0.1 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.2 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 12.2 due to adverse weather conditions 10.0 - 4.8 11.3 leted (10 event requirement met) due to adverse weather conditions	37  48 28 28 35 35 35 28 35 28 37 28 28 28 28 28 29	DMT <sup>4</sup>	double diaphragm pump  double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 3/6/2017 4/3/2017 5/11/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/8/2018 2/5/2018 3/6/2018	37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 40.3 40.3 37.7	. 4.8 DNAPL gauging ( 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpir DNAPL gauging ( 2.7 3.5	or pumping not completed  or pumping not completed  0.2  0.2  0.2  0.2  or pumping not required to be comport pumping not completed  0.3	482.1 12.2 due to adverse weather conditions 10.0 - 4.8 11.3 leted (10 event requirement met) due to adverse weather conditions	37  48 28 28 35 35 28 35 28 35 29 27	- DMT 4	double diaphragm pump double diaphragm pump double diaphragm pump double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 18/2018 2/5/2018 4/2/2018 5/6/2018	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	4.8 4.8 DNAPL gauging .1.0 1.5 4.0 1.5 2.0 0.5 1.8 4.3 DNAPL pumpir DNAPL gauging .2.7 3.5 1.0 2.0	0.1 or pumping not completed 0.2 0.2 0.2 0.2 0.2 0.0 0.0 0.0 0.0 or pumping not required to be compor pumping not completed 0.3 0.3	482.1 12.2 due to adverse weather conditions 10.0 - 4.8 11.3 leted (10 event requirement met) due to adverse weather conditions - 8.3 - 5.0	37  48 28 28 35 35 28 35 28 35 28 37 28 28 28 28 28 28 39 31 39 31 39 31 39 31 31 31 31 31 31 31 31 31 31 31 31 31	- DMT <sup>4</sup>	double diaphragm pump double diaphragm pump - double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 12/4/2017 16/2018 2/5/2018 3/6/2018 4/2/2018 5/6/2018	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 40.0	4.8 DNAPL gauging 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpir DNAPL gauging 1.2 2.7 3.5 1.0 2.0 0.1	0.1 or pumping not completed 0.2 0.2 0.2 0.0 g not required to be completed - 0.3 - 0.1	482.1 12.2 due to adverse weather conditions	37  48 28 28 35 35 35 28 35 28 29 27 36 28	- DMT 4	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 8/7/2017 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 3/6/2018 4/2/2018 5/6/2018 6/5/2018	37.3 41.0 40.5 38.0 40.5 40.5 40.3 40.3 40.3 37.7 39.3 38.5 41.0 40.0 41.1	4.8 DNAPL gauging ( 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpir DNAPL gauging ( 2.7 3.5 1.0 2.0 0.1	o, 1 or pumping not completed or pumping not completed o.2 o.2 o.2 o.2 o.2 o.3 o.0, 1 o.0 o.0 or punt required to be compor pumping not completed o.3 o.3 o.1 o.1 o.1	482.1 12.2 due to adverse weather conditions 10.0 - 4.8 11.3 leted (10 event requirement met) due to adverse weather conditions - 8.3 - 5.0	37  48 28 28 35 35 35 28 35 28 27 36 28 31 31 31 31 31 31 31 31 31 31	- DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 5 DMT 4 DMT 5 - DMT 4 DMT 4 DMT 4 DMT 5 - DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 1 DMT 1	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 18/2018 2/5/2018 3/6/2018 4/2/2018 5/8/2018 6/5/2018 7/9/2018	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 41.9	4.8 DNAPL gauging 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpir DNAPL gauging 1.7 3.5 1.0 2.0 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	482.1 12.2 due to adverse weather conditions	37  48 28 28 35 35 35 28 35 28 37 28 28 28 28 28 28 28 29 27 36 28 28 28 29	DMT 4 DMT 5 DMT 4 DMT 5 DMT 4 DMT 4 DMT 6 DMT 6 DMT 6 DMT 6 DMT 7 DMT 6 DMT 7 DMT 7 DMT 1 DMT 1 DMT 6 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 6 DMT 7 DMT 6 DMT 7	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 3/6/2017 4/3/2017 5/1/2017 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 11/6/2018 2/5/2018 4/2/2018 5/6/2018 6/5/2018 8/7/2018 8/7/2018 8/7/2018	37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 40.3 40.3 37.7 39.3 38.5 41.0 40.0 41.1 39.4 41.1	. 4.8 DNAPL gauging ( 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 1.8 2.7 3.5 1.0 2.0 0.1 0.1 0.1 0.1 0.1	or pumping not completed  or pumping not completed  com	482.1 12.2 due to adverse weather conditions 10.0 - 4.8 11.3 leted (10 event requirement met) due to adverse weather conditions - 8.3 - 5.0	37  48 28 28 35 35 28 35 28 28 29 27 36 28 34 29 34	- DMT 4 DMT 5 DMT 4 DMT 4 DMT 5 DMT 4 DMT 4 DMT 5 DMT 5 DMT 4 DMT 5	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 18/2018 4/2/2018 4/2/2018 4/2/2018 6/5/2018 4/2/2018 8/7/2018 9/10/2018 9/10/2018	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 41.1 40.0	4.8 4.8 DNAPL gauging 1.0 1.5 4.0 1.5 2.0 0.5 1.8 4.3 DNAPL pumpir DNAPL pumpir DNAPL gauging 1.2 2.7 3.5 1.0 0.1 0.9 2.6 1.0 2.0	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	482.1 12.2 due to adverse weather conditions	37  48 28 28 35 35 28 35 28 35 28 37 28 38 39 31 29 27 36 28 34 29	- DMT 4	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2018 2/5/2018 3/6/2018 4/2/2018 5/6/2018 6/5/2018 7/9/2018 9/10/2018 9/10/2018 10/2/2018 11/5/2018	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 41.1 40.0 40.0	4.8 DNAPL gauging (1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpir DNAPL gauging (2.7 3.5 1.0 2.0 0.1 0.9 2.6 1.0 2.0 1.2	or pumping not completed  or pumping not completed  c c c c c c c c c c c c c c c c c c	482.1 12.2 due to adverse weather conditions	37  48 28 28 35 35 35 28 35 28 28 27 31 29 27 36 28 34 29 34	- DMT 4 DMT 5 DMT 4	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 8/7/2017 1/10/2017 1/10/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2018 2/5/2018 3/6/2018 4/2/2018 6/5/2018 6/5/2018 8/7/2018 8/7/2018 9/10/2018 1/5/2018	37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 40.3 40.3 37.7 39.3 38.5 41.0 40.0 41.1 39.4 41.1 40.0 40.0	. 4.8 DNAPL gauging ( 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 1.8 2.7 3.5 DNAPL gauging ( 2.7 3.5 1.0 2.0 0.1 0.9 2.6 1.0 2.0 1.2 2.0	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	482.1 12.2 due to adverse weather conditions 10.0 - 4.8 11.3 leted (10 event requirement met) due to adverse weather conditions - 8.3 - 5.0	37  48 28 28 35 35 35 28 35 28 36 28 28 31 31 29 27 36 28 34 29 34 29 34 36	- DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 5 DMT 4 DMT 5 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 5 DMT 4 DMT 4 DMT 4 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 7 DMT 8 DMT 8 DMT 9 DMT 9 DMT 9 DMT 1	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2018 2/5/2018 3/6/2018 4/2/2018 5/6/2018 6/5/2018 7/9/2018 9/10/2018 9/10/2018 10/2/2018 11/5/2018	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 41.1 40.0 40.0	4.8 DNAPL gauging 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpir DNAPL gauging 1.2 2.7 3.5 1.0 0.1 0.9 2.6 1.0 2.0 0.1 0.9	or pumping not completed  or pumping not completed  c c c c c c c c c c c c c c c c c c	482.1 12.2 due to adverse weather conditions	37  48 28 28 35 35 35 28 35 28 37 28 39 30 28 28 28 28 28 29 27 36 28 34 29 34 29 34 36 36 34	- DMT 4 DMT 5 DMT 4 DMT 6 DMT 6 DMT 6 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 6 DMT 7 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 7 DMT 6 DMT 7 DMT 6 DMT 7 DMT 7 DMT 7 DMT 7 DMT 8 DMT 8 DMT 9 DMT 9 DMT 9 DMT 1	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 8/7/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2017 1/1/2018 2/5/2018 3/6/2018 4/2/2018 6/5/2018 6/5/2018 8/7/2018 8/7/2018 9/10/2018 1/5/2018	37.3 41.0 40.5 38.0 40.5 40.0 41.5 40.3 40.3 40.3 37.7 39.3 38.5 41.0 40.0 41.1 39.4 41.1 40.0 40.0	. 4.8 DNAPL gauging () 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 1.8 4.3 DNAPL pumpir DNAPL gauging () 2.7 3.5 1.0 2.0 0.1 0.9 2.6 1.0 2.0 1.2 2.0 0.9 1.2	or pumping not completed  or pumping not completed  c c c c c c c c c c c c c c c c c c	482.1 12.2 due to adverse weather conditions	37  48 28 28 35 35 35 28 35 28 28 29 91 29 27 36 28 34 29 34 22 34 36 34 21	- DMT 4 DMT 5 DMT 4 DMT 4 DMT 6 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 6 DMT 7 DMT 7 DMT 8 DMT 9	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 2/20/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 3/6/2018 4/2/2018 6/5/2018 7/9/2018 6/5/2018 17/9/2018 8/7/2018 9/10/2018 11/5/2018 11/5/2018 11/5/2018	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 41.1 41.1 40.1		0.1 0.1 0.2 0.2 0.2 0.2 0.0 0.0 0.0 0.0 0.0 0.0	482.1 12.2 due to adverse weather conditions	37  48 28 28 35 35 35 28 35 28 37 28 39 30 28 28 28 28 28 29 27 36 28 34 29 34 29 34 36 36 34	DMT 4 DMT 5	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 1/6/2017 1/6/2017 1/6/2017 1/6/2017 1/6/2017 1/6/2017 1/6/2017 1/6/2017 1/6/2017 1/6/2017 1/6/2017 1/6/2018 2/5/2018 3/6/2018 4/2/2018 5/6/2018 6/5/2018 9/10/2018 1/6/2018	37.3 41.0 40.5 40.5 40.0 40.5 40.0 41.5 40.3 40.3 37.7 39.3 38.5 41.0 40.0 41.1 40.0	. 4.8 DNAPL gauging () 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 1.8 4.3 DNAPL pumpir DNAPL gauging () 2.7 3.5 1.0 2.0 0.1 0.9 2.6 1.0 2.0 1.2 2.0 0.9 1.2	or pumping not completed  or pumping not completed  com	482.1 12.2 due to adverse weather conditions	37  48 28 28 35 35 35 28 35 28 28 29 91 29 27 36 28 34 29 34 22 34 36 34 21	- DMT 4 DMT 5 DMT 4 DMT 4 DMT 6 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 6 DMT 7 DMT 7 DMT 8 DMT 9	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 12/4/2017 18/2018 4/2/2018 4/2/2018 4/2/2018 6/5/2018 4/2/2018 6/5/2018 1/1/2018	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 41.1 40.0 40.0 40.0 41.1		0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	482.1 12.2 due to adverse weather conditions	37  48 28 28 28 35 35 28 35 28 35 28 34 29 34 22 34 36 34 21	- DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 5 DMT 6 DMT 6 DMT 6 DMT 7 DMT 6 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 7 DMT 6 DMT 6 DMT 7 DMT 7 DMT 6 DMT 6 DMT 7 DMT 6 DMT 7 DMT 7 DMT 7 DMT 8 DMT 8 DMT 9 DMT 9 DMT 9 DMT 9 DMT 9 DMT 9 DMT 1	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 3/6/2018 4/2/2018 4/2/2018 6/5/2018 7/9/2018 9/10/2018 10/2/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018 11/5/2018	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 41.1 40.0 40.0 41.9 41.1 40.0	4.8 DNAPL gauging 1.0 1.5 4.0 1.5 2.0 0.5 1.8 4.3 DNAPL pumpir DNAPL gauging 1.2 2.7 3.5 1.0 2.0 0.1 0.9 2.6 1.0 2.0 0.1 0.9 2.0 1.2 2.0 0.9 1.2 2.1 2.7 2.5	or pumping not completed  or pumping not completed  c c c c c c c c c c c c c c c c c c	482.1 12.2 due to adverse weather conditions	37  48 28 28 35 35 35 28 35 28 28 29 27 36 28 29 27 36 34 29 34 21 35 21	- DMT 4 DMT 5 DMT 4 DMT 4 DMT 4 DMT 5 DMT 4 DMT 5 DMT 4 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 7 DMT 8 DMT 8 DMT 9 DMT 9 DMT 9 DMT 9 DMT 9 DMT 1	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 3/6/2017 4/3/2017 5/1/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 8/7/2017 1/7/10/2017 1/7/10/2017 1/7/10/2017 1/7/2017 1/7/2017 1/7/2017 1/7/2018 2/5/2018 3/6/2018 4/2/2018 5/8/2018 6/5/2018 8/7/2018 8/7/2018 8/7/2018 1/5/2018	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 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 41.0 40.0	4.8 4.8 4.8 DNAPL gauging . 1.0 1.5 4.0 1.5 2.0 0.5 1.8 4.3 DNAPL pumpir DNAPL gauging . 2.7 2.7 3.5 1.0 0.1 0.9 2.6 1.0 0.9 2.0 0.1 1.2 2.0 0.9 1.2 1.7 2.5 0.9	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	482.1 12.2 due to adverse weather conditions	37  48 28 28 28 35 35 28 35 28 35 28 28 28 29 27 36 28 34 29 34 22 34 36 34 21 35	- DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 4 DMT 5 DMT 6 DMT 6 DMT 6 DMT 7 DMT 6 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 7 DMT 6 DMT 6 DMT 7 DMT 7 DMT 6 DMT 6 DMT 7 DMT 6 DMT 7 DMT 7 DMT 7 DMT 8 DMT 8 DMT 9 DMT 9 DMT 9 DMT 9 DMT 9 DMT 1	double diaphragm pump
HARW-7	1/17/2017 2/20/2017 3/6/2017 4/3/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 6/5/2017 7/10/2017 8/7/2017 9/11/2017 10/9/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2017 11/6/2018 2/5/2018 3/6/2018 4/2/2018 6/5/2018 7/9/2018 9/7/2018 11/5/2019 3/11/2019 3/11/2019 4/5/6/2019	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 41.1 39.4 41.1 40.0 40.8 40.0 40.0 40.0 41.1 40.0 41.1 40.0 41.1 40.0 41.1 40.0 41.1 40.0	1.0 1.0 1.5 4.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 4.3 DNAPL pumpir DNAPL gauging 1 2.7 3.5 1.0 2.0 0.1 0.9 1.2 2.0 1.2 2.0 0.9 1.2 1.7 2.5 0.9 0.8	O.1	482.1 12.2 due to adverse weather conditions	37  48 28 28 35 35 35 28 35 28 28 28 29 27 36 28 34 29 34 22 34 36 36 34 21 35 21	- DMT 4 DMT 5 DMT 4 DMT 6 DMT 6 DMT 6 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 6 DMT 6 DMT 7 DMT 6 DMT 7 DMT 6 DMT 7 DMT 7 DMT 6 DMT 7 DMT 8 DMT 9 DMT 9 DMT 9 DMT 9 DMT 1	double diaphragm pump
IARW-7	1/17/2017 2/20/2017 3/6/2017 3/6/2017 4/3/2017 5/1/2017 6/5/2017 7/10/2017 8/7/2017 8/7/2017 1/10/2017 1/10/2017 1/10/2017 1/10/2017 1/10/2017 1/10/2017 1/10/2018 3/6/2018 4/2/2018 4/2/2018 6/5/2018 6/5/2018 6/5/2018 1/10/2019 3/11/2019 3/11/2019 3/11/2019 5/6/2019	37.3 41.0 40.5 40.5 40.0 40.5 40.0 41.5 40.3 37.7 39.3 38.5 41.0 40.0 40.1 40.0 41.1 40.0 40.0 41.1 40.0	. 4.8 DNAPL gauging () 1.0 1.5 4.0 1.5 2.0 0.5 1.8 1.8 1.8 4.3 DNAPL pumpir DNAPL gauging () 2.7 3.5 1.0 2.0 0.1 0.9 2.6 1.0 2.0 0.1 1.2 2.0 0.9 1.2 1.7 2.5 0.9 0.8 1.7 2.0	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	482.1 12.2 due to adverse weather conditions	37  48 28 28 35 35 35 28 35 28 28 29 91 29 27 36 28 34 29 34 22 34 36 34 21 35 21 35 21 35 28	- DMT 4 DMT 5 DMT 4 DMT 4 DMT 4 DMT 6 DMT 6 DMT 6 DMT 7 DMT 7 DMT 7 DMT 7 DMT 8 DMT 9	double diaphragm pump

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			Product Apparent Height -	Product Apparent Height -	Approximate Volume of	Days Elapsed Between	Measurement Tool	
	Date	Depth to Product (ft)	Pre-pumping (ft)	Post-pumping (ft)	Product Recovered (gallons) 3	Measurement Readings	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 <sup>4</sup>	-
	2/20/2017		DNAPL gauging of	or pumping not completed	due to adverse weather conditions		-	-
	3/6/2017	41.7	1.3		-	47	DMT <sup>4</sup>	-
	4/3/2017	42.5	0.5		-	28	DMT <sup>4</sup>	-
	5/1/2017	42.3	0.7		-	28	DMT <sup>4</sup>	-
	6/5/2017	42.3	0.7		-	35	DMT <sup>4</sup>	-
	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 <sup>4</sup>	-
	12/4/2017			g not required to be comp	leted (10 event requirement met)		-	
	1/8/2018		DNAPL gauging of	or pumping not completed	due to adverse weather conditions			-
	2/5/2018	41.7	1.3		-	91	DMT <sup>4</sup>	-
	3/5/2018	41.3	1.7		-	28	DMT <sup>4</sup>	-
	4/2/2018	41.1	1.9		-	28	DMT <sup>4</sup>	-
	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 <sup>4</sup>	-
	1/14/2019	41.5	1.5		_	35	DMT <sup>4</sup>	-
	2/4/2019	41.5	1.5		_	21	DMT <sup>4</sup>	-
	3/11/2019	41.3	1.7		_	35	DMT <sup>4</sup>	-
	4/2/2019	41.0	2.0	0.3	4.6	22	DMT <sup>4</sup>	double diaphragm pump
	5/6/2019	42.3	0.7	-	-	34	DMT <sup>4</sup>	-
	6/3/2019	42.2	0.8		_	28	DMT <sup>4</sup>	-
	8/5/2019	41.8	1.3		_	63	DMT <sup>4</sup>	_
	9/9/2019	41.9	1.1		-	35	DMT <sup>4</sup>	-
	3/3/2013	71.0	1.1	-	-	55	DIVIT	,
		TOTAL VOLUME REC	OVERED TO DATE FRO	M HARW-8 (GALLONS)	31.5			

#### TOTAL VOLUME RECOVERED TO DATE FROM ALL WELLS (GALLONS)

2827.6

Notes: MW-12

Depth to Top of Screen: 33 ft

Depth to Bottom: 36 ft

Depth to Top of Screen: 24 ft Depth to Bottom: 42 ft

HARW-5 Angle from Vertical: 23.5° Vertical Depth to Top of Screen: 27 ft Vertical Depth to Bottom: 40.3 ft

HAOW-12A

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

Depth to Top of Screen: 26 ft Depth to Bottom: 40 ft

HARW-6 Angle from Vertical: 14° Vertical Depth to Top of Screen: 26.7 ft Vertical Depth to Bottom: 40.8 ft

HARW-3

Depth to Bottom: 42 ft

Angle from Vertical: 16.5°
Vertical Depth to Top of Screen: 25.4 ft
Vertical Depth to Bottom: 39 ft

HARW-7 Depth to Top of Screen: 27.5 ft HARW-8 Depth to Top of Screen: 28.5 ft

Depth to Bottom: 43 ft

HARW-4

Angle from Vertical: 24.5° Vertical Depth to Top of Screen: 28.7 ft Vertical Depth to Bottom: 41 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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<sup>&</sup>lt;sup>1</sup> Reserved

<sup>&</sup>lt;sup>2</sup> Reserved
<sup>3</sup> 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 bailer is estimated using the bailer volume and number of times bailed.

Volume of product recovered by double diaphragm and positive displacement piston pumps are estimated by approximating the volume discharged to the drum or by using the pre- and post-pumping apparent height of product and the well dimensions (8" diameter well).

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