

Atlantic Richfield Company

Paul G. Johnson
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March 2, 2017

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, February 2017
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 February 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 February 1, 2017 through February 28, 2017.

If you have any questions or comments on this submittal, please feel free to contact me at 832-619-5825.

Sincerely,



Paul G. Johnson
Operations Project Manager

Enclosure

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
George Heitzman, New York State Department of Environmental Conservation
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 Danecker, Arnold & Porter

**FORMER ANACONDA WIRE AND CABLE PLANT SITE
(a.k.a. HARBOR AT HASTINGS SITE) OU1
NYSDEC SITE 360022
MONTHLY PROGRESS REPORT 141**

PREPARED BY: Atlantic Richfield Company
Paul Johnson

REPORTING PERIOD: February 1, 2017 through February 28, 2017

1. PROGRESS MADE THIS REPORTING PERIOD:

- DNAPL gauging and recovery were not performed as planned in February due to heavy snow.

2. UNANTICIPATED PROBLEM AREAS AND RECOMMENDED SOLUTIONS

- None this reporting period.

3. PROBLEMS RESOLVED

- None this reporting period.

4. DELIVERABLES SUBMITTED / RECEIVED

- January 23, 2017 - Atlantic Richfield to USEPA: *Building 52 Demolition and Transportation and Disposal Self-Implementing Clean-up Plan*
- February 6, 2017 – Atlantic Richfield to NYSDEC: *2016 LNAPL Interim Remedial Measures (IRM) Annual Status Report*
- February 8, 2017 – Atlantic Richfield to NYSDEC: *January 2017 Monthly Progress Report*
- February 14, 2017 – Atlantic Richfield to NYSDEC: *2016 Annual Hazardous Waste Report*
- February 21, 2017 – Atlantic Richfield to NYSDEC: *Amendment to Baseline Data Report, Year 3*

5. UPCOMING EVENTS/ACTIVITIES PLANNED

- The next two DNAPL gauging and recovery events are tentatively scheduled to occur the week of March 6th 2017 and the week of April 3rd 2017.
- 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 April 3rd 2017 and the week of August 7th 2017 in accordance with the schedule modification request, from monthly to quarterly, sent by Atlantic Richfield to NYSDEC on June 4, 2012, and received approval letter 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. DATA

- Final data not generated during this reporting period.

9. CITIZEN PARTICIPATION ACTIVITIES

- None this reporting period.

LIST OF ACRONYMS

<i>Acronym</i>	<i>Description</i>
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

FLUOR Daniel GTI, 1997. *Draft Interim Remedial Measure Work Plan – Separate Phase Liquid Recovery*. December.

TABLE I
SUMMARY OF DNAPL MEASUREMENTS
NYSDEC #3-60-022
1 RIVER STREET
HASTINGS-ON-HUDSON, NEW YORK

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) *	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
MM-12	10/9/2006	34.3	2.7	-	-	0	Threaded rod	-
	11/29/2006	34.3	2.7	-	-	52	Threaded rod	-
	1/10/2007	33.8	3.2	2.0	0.3	42	Threaded rod	stainless-steel cups
	1/11/2007	-	2.0	-	-	1	Threaded rod	-
	1/17/2007	-	8	-	-	6	Threaded rod	-
	3/27/2007	-	1.8	-	-	36	Threaded rod	-
	3/27/2007	34.5	2.5	2.5	0.0	35	Threaded rod	stainless-steel cups
	11/20/2007	-	2.4	-	-	239	Threaded rod	-
	2/21/2008	-	2.6	-	-	93	Threaded rod	-
	4/16/2008	-	2.3	-	-	55	Threaded rod	-
	5/22/2008	-	2.4	-	-	37	Threaded rod	-
	5/23/2008	34.6	2.4	1.0	0.2	1	Threaded rod	stainless-steel cups
	7/10/2008	35.5	1.5	1.3	0.4	6	Threaded rod	stainless-steel cups
	7/10/2008	35.5	1.5	1.3	0.4	145	Threaded rod	stainless-steel cups
	3/23/2009	35.5	2.5	2.5	0.6	111	Threaded rod	downhole pump
	6/22/2009	-	2.8	-	-	92	Threaded rod	downhole pump
	7/29/2009	34.0	3.0	2.5	0.3	38	Threaded rod	downhole pump
	7/30/2009	34.5	2.5	-	-	1	Threaded rod	-
	8/11/2009	34.1	2.8	-	-	12	Threaded rod	-
	8/18/2009	34.0	3.0	-	-	7	Threaded rod	-
	9/6/2009	34.0	2.4	1.1	0.2	23	Threaded rod	downhole pump
	10/13/2009	34.5	2.8	1.1	0.5	27	Threaded rod	downhole pump
	11/10/2009	34.5	2.8	1.1	0.5	27	Threaded rod	downhole pump
	12/8/2009	-	3.3	NM *	0.2	29	Threaded rod	downhole pump
	1/13/2010	33.0	3.0	NM *	-	36	Threaded rod	downhole pump
	2/18/2010	32.9	3.1	NM *	0.5	36	Threaded rod	downhole pump
	3/23/2010	31.9	4.1	NM *	0.0	33	Threaded rod	downhole pump
	5/7/2010	33.3	2.7	NM *	0.1	45	Threaded rod	downhole pump
	6/15/2010	33.0	3.0	NM *	-	39	Threaded rod	downhole pump
	7/28/2010	32.8	3.2	NM *	0.1	44	Threaded rod	downhole pump
TOTAL VOLUME RECOVERED TO DATE FROM MM-12 (GALLONS)							5.0	
HAOW-12A	3/23/2009	39.1	3.9	-	-	0	Threaded rod	downhole pump
	6/22/2009	-	3.5	-	6	92	Threaded rod	downhole pump
	7/28/2009	38.4	5.2	1.1	5	37	Threaded rod	downhole pump
	7/29/2009	42.4	-	1.3	-	1	Threaded rod	-
	8/9/2009	42.4	-	1.3	-	1	Threaded rod	-
	8/11/2009	41.9	-	1.7	-	6	Threaded rod	-
	8/19/2009	41.9	-	1.8	-	8	Threaded rod	-
	8/25/2009	41.5	-	2.1	-	6	Threaded rod	-
	9/9/2009	41.5	2.1	0.3	3.5	18	Threaded rod	downhole pump
	10/13/2009	41.9	1.6	0.1	2.2	34	Threaded rod	downhole pump
	11/11/2009	41.9	1.5	0.2	1.8	27	Threaded rod	downhole pump
	12/8/2009	-	1.2	0.0	0.5	38	Threaded rod	downhole pump
	1/28/2010	-	1.8	0.0	0.5	38	Threaded rod	downhole pump
	2/18/2010	41.8	1.8	0.0	2.4	36	Threaded rod	downhole pump
	3/23/2010	42.2	1.4	0.0	0.5	33	Threaded rod	downhole pump
	5/7/2010	42.1	1.5	NM *	1.7	45	Threaded rod	downhole pump
	6/15/2010	42.3	1.3	0.0	1.7	39	Threaded rod	downhole pump
	7/29/2010	42.6	1.0	0.0	1.9	44	Threaded rod	downhole pump
	9/29/2010	42.5	1.1	0.0	2.8	61	weighted tape	double diaphragm pump
	10/30/2010	43.3	0.3	-	-	14	weighted tape	-
	11/6/2010	42.4	1.2	0.3	2.2	26	weighted tape	-
	12/8/2010	-	1.0	-	-	29	DMT *	positive displacement piston pump
	12/15/2010	-	0.8	0.1	1.3	7	DMT *	double diaphragm pump
	1/17/2011	42.8	-	-	-	33	DMT *	-
	1/19/2011	-	-	0.3	1.4	-	DMT *	piston pump

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SUMMARY OF DNAPL MEASUREMENTS
HASTINGS-ON-HUDSON, NEW YORK
1 RIVER STREET
HASTINGS-ON-HUDSON, NEW YORK

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) *	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
HAOW-12A Continued	2/28/2011	42.9	0.7	-	-	40	DMT-4	-
	3/3/2011	-	-	0.3	1.1	-	DMT-4	piston pump
	4/11/2011	43.0	0.6	-	-	39	DMT-4	-
	4/12/2011	-	-	0.2	1.1	-	DMT-4	piston pump
	5/16/2011	42.9	0.7	-	-	34	DMT-4	-
	5/18/2011	-	-	0.3	-	-	DMT-4	piston pump
	6/15/2011	43.0	0.6	-	-	26	DMT-4	-
	6/15/2011	-	-	0.0	1.5	-	DMT-4	piston pump
	7/19/2011	43.5	0.1	-	-	34	DMT-4	-
	8/23/2011	43.1	0.5	-	-	34	DMT-4	-
	8/25/2011	-	-	0.1	0.7	-	DMT-4	-
	8/26/2011	43.5	0.1	-	-	32	DMT-4	double diaphragm pump
	10/24/2011	43.5	0.1	-	-	28	DMT-4	-
	11/28/2011	43.5	0.1	-	-	35	DMT-4	-
	14/20/12	42.2	1.4	-	-	37	DMT-4	-
	1/31/2012	42.1	1.5	-	-	27	DMT-4	-
	3/6/2012	41.9	1.7	-	-	35	DMT-4	-
	4/4/2012	41.5	2.1	-	-	29	DMT-4	-
	4/6/2012	-	-	0.5	2.3	-	DMT-4	double diaphragm pump
	5/2/2012	42.9	0.7	-	-	26	DMT-4	-
	6/4/2012	43.0	0.6	-	-	33	DMT-4	-
	7/6/2012	42.7	0.9	-	-	35	DMT-4	-
	8/7/2012	42.3	1.3	-	-	29	DMT-4	-
	9/10/2012	42.2	1.4	-	-	34	DMT-4	-
	10/6/2012	42.0	1.6	-	-	28	DMT-4	-
	11/5/2012	-	-	-	-	-	DMT-4	-
	12/5/2012	41.8	1.8	-	-	56	DMT-4	-
	1/6/2013	41.3	2.3	0.3	2.9	37	DMT-4	-
	2/4/2013	43.3	0.3	-	-	26	DMT-4	-
	3/4/2013	43.3	0.3	-	-	28	DMT-4	-
	4/2/2013	43.3	0.3	-	-	29	DMT-4	-
	5/7/2013	43.2	0.4	-	-	35	DMT-4	-
	6/4/2013	43.2	0.4	-	-	28	DMT-4	-
	7/6/2013	42.4	1.3	-	-	34	DMT-4	-
	8/5/2013	43.2	0.4	-	-	28	DMT-4	-
	9/10/2013	43.2	0.4	-	-	36	DMT-4	-
	10/2/2013	-	-	-	-	-	DMT-4	-
	11/4/2013	-	-	-	-	-	DMT-4	-
	12/9/2013	42.9	0.7	-	-	50	DMT-4	-
	1/6/2014	42.2	1.4	-	-	30	DMT-4	-
	2/6/2014	42.0	1.6	-	-	29	DMT-4	-
	3/3/2014	41.9	1.7	-	-	35	DMT-4	-
	4/7/2014	41.7	1.8	-	-	35	DMT-4	-
	5/7/2014	41.6	2.0	0.3	2.6	30	DMT-4	-
	7/2/2014	-	-	-	-	-	DMT-4	-
	7/22/2014	43.4	0.3	-	-	76	DMT-4	-
	8/12/2014	43.4	0.3	-	-	21	DMT-4	-
	9/9/2014	43.4	0.3	-	-	28	DMT-4	-
	10/7/2014	43.4	0.3	-	-	28	DMT-4	-
	11/10/2014	43.1	0.5	-	-	34	DMT-4	-
	12/10/2014	-	-	-	-	-	DMT-4	-
	1/6/2015	43.0	0.6	-	-	57	DMT-4	-
	2/2/2015	-	-	-	-	-	DMT-4	-
	3/24/2015	42.8	0.8	-	-	77	DMT-4	-
	4/21/2015	42.8	0.8	-	-	28	DMT-4	-
	5/11/2015	42.6	1	-	-	20	DMT-4	-

TABLE I
SUMMARY OF DNAPL MEASUREMENTS
NYSDEC #3-60-022
1 RIVER STREET
HASTINGS-ON-HUDSON, NEW YORK

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) *	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
HAOW-12A Continued	6/8/2015	42.6	1	-	-	28	DMT *	-
	7/8/2015	42.6	1	-	-	30	DMT *	-
	8/4/2015	42.6	1	-	-	27	DMT *	-
	8/8/2015	42.6	1	-	-	35	DMT *	-
	10/12/2015	42.6	1	-	-	34	DMT *	-
	11/9/2015	42.6	1	-	-	28	DMT *	-
	12/4/2015			DNAPL pumping not required to be completed			DMT *	-
	1/4/2016	42.4	1.2	-	-	56	DMT *	-
	2/8/2016	42.4	1.2	-	-	35	DMT *	-
	3/8/2016	42.4	1.2	-	-	29	DMT *	-
	4/4/2016	42.4	1.2	-	-	27	DMT *	-
	5/2/2016	42.4	1.2	-	-	28	DMT *	-
	6/3/2016	42.3	1.3	-	-	42	DMT *	-
	7/11/2016	42.3	1.3	-	-	28	DMT *	-
	8/1/2016	42.3	1.3	-	-	21	DMT *	-
	9/2/2016	42.3	1.3	-	-	42	DMT *	-
	10/24/2016	42.3	1.3	-	-	42	DMT *	-
	11/10/2016			DNAPL pumping not required to be completed			DMT *	-
	12/10/2016			DNAPL pumping not required to be completed			DMT *	-
	1/16/2017	42.0	1.6	-	-	84	DMT *	-
	2/20/2017			DNAPL gauging or pumping not completed due to adverse weather conditions			DMT *	-
	TOTAL VOLUME RECOVERED TO DATE FROM HAOW-12A (GALLONS)					48.7		
HAOW-1	9/29/2010	42.0	0.0	-	-	0	weighted tape	-
	9/30/2010	42.0	0.0	-	-	1	weighted tape	-
	10/14/2010	42.0	0.0	-	-	14	weighted tape	-
	11/9/2010	42.0	0.0	-	-	26	DMT *	-
	12/8/2010	42.0	0.0	-	-	29	DMT *	-
	1/17/2011	42.0	0.0	-	-	40	DMT *	-
	2/28/2011	42.0	0.0	-	-	42	DMT *	-
	4/11/2011	42.0	0.0	-	-	42	DMT *	-
	5/16/2011	42.0	0.0	-	-	35	DMT *	-
	6/13/2011	42.0	0.0	-	-	28	DMT *	-
	7/19/2011	42.0	0.0	-	-	36	DMT *	-
	8/22/2011	42.0	0.0	-	-	34	DMT *	-
	9/26/2011	42.0	0.0	-	-	35	DMT *	-
	10/24/2011	42.0	0.0	-	-	28	DMT *	-
	11/28/2011	42.0	0.0	-	-	35	DMT *	-
	1/4/2012	42.0	0.0	-	-	37	DMT *	-
	1/31/2012	42.0	0.0	-	-	27	DMT *	-
	3/5/2012	42.0	0.0	-	-	34	DMT *	-
	4/4/2012	42.0	0.0	-	-	50	DMT *	-
	5/1/2012	42.0	0.0	-	-	38	DMT *	-
	6/4/2012	42.0	0.0	-	-	32	DMT *	-
	7/9/2012	42.0	0.0	-	-	30	DMT *	-
	8/9/2012	42.0	0.0	-	-	33	DMT *	-
	9/10/2012	42.0	0.0	-	-	28	DMT *	-
	10/8/2012	42.0	0.0	-	-	56	DMT *	-
	11/5/2012			recovery data not completed due to extreme weather events (Hurricane Sandy), which occurred in late October			DMT *	-
	12/3/2012	42.0	0.0	-	-	35	DMT *	-
	1/7/2013	42.0	0.0	-	-	28	DMT *	-
	2/4/2013	42.0	0.0	-	-	29	DMT *	-
	3/4/2013	42.0	0.0	-	-	28	DMT *	-
	4/2/2013	42.0	0.0	-	-	37	DMT *	-
	5/9/2013	42.0	0.0	-	-	26	DMT *	-
	6/4/2013	42.0	0.0	-	-	36	DMT *	-
	7/10/2013	42.0	0.0	-	-	26	DMT *	-
	8/5/2013	42.0	0.0	-	-	36	DMT *	-
	9/10/2013	42.0	0.0	-	-	36	DMT *	-
	10/4/2013			recovery data not completed due to significant site activities which may pose a health and safety risk to workers			DMT *	-
	11/4/2013			recovery data not completed due to significant site activities which may pose a health and safety risk to workers			DMT *	-
	12/10/2013	42.0	0.0	-	-	91	DMT *	-
	1/8/2014	42.0	0.0	-	-	29	DMT *	-
	2/6/2014	42.0	0.0	-	-	29	DMT *	-
	3/5/2014	42.0	0.0	-	-	27	DMT *	-
	4/10/2014	42.0	0.0	-	-	36	DMT *	-
	5/7/2014	42.0	0.0	-	-	27	DMT *	-
	6/7/2014			recovery data not completed due to significant site activities which may pose a health and safety risk to workers			DMT *	-
	7/22/2014	42.0	0.0	-	-	76	DMT *	-
	8/12/2014	42.0	0.0	-	-	21	DMT *	-

TABLE I
SUMMARY OF DNAPL MEASUREMENTS
NYSDDEC #3-60-022
1 RIVER STREET
HASTINGS-ON-HUDSON, NEW YORK

	Date	Depth to Product (ft)	Product Apparent Height Pre-pumping (ft)	Product Apparent Height Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) *	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
HARW-1 Continued	8/9/2014	42.0	0.0	-	-	28	DMT ⁴	-
	10/7/2014	42.0	0.0	-	-	28	DMT ⁴	-
	11/12/2014	42.0	0.0	-	-	36	DMT ⁴	-
	12/12/2014			DNAPL pumping not required to be completed			DMT ⁴	-
	1/6/2015	42.0	0.0	-	-	55	DMT ⁴	-
	3/24/2015	42.0	0.0	DNAPL gauging or pumping not required due to adverse weather conditions		77	DMT ⁴	-
	4/21/2015	42.0	0.0	-	-	28	DMT ⁴	-
	5/11/2015	42.0	0.0	-	-	20	DMT ⁴	-
	6/8/2015	42.0	0.0	-	-	28	DMT ⁴	-
	7/8/2015	42.0	0.0	-	-	30	DMT ⁴	-
	8/4/2015	42.0	0.0	-	-	27	DMT ⁴	-
	9/8/2015	42.0	0.0	-	-	35	DMT ⁴	-
	10/12/2015	42.0	0.0	-	-	34	DMT ⁴	-
	11/9/2015	42.0	0.0	-	-	28	DMT ⁴	-
	12/4/2015			DNAPL pumping not required to be completed			DMT ⁴	-
	1/4/2016	42.0	0.0	-	-	56	DMT ⁴	-
	2/8/2016	42.0	0.0	-	-	35	DMT ⁴	-
	3/8/2016	42.0	0.0	-	-	28	DMT ⁴	-
	4/4/2016	42.0	0.0	-	-	27	DMT ⁴	-
	5/2/2016	42.0	0.0	-	-	28	DMT ⁴	-
	6/13/2016	42.0	0.0	-	-	42	DMT ⁴	-
	7/11/2016	42.0	0.0	-	-	28	DMT ⁴	-
	8/1/2016	42.0	0.0	-	-	21	DMT ⁴	-
	9/12/2016	42.0	0.0	-	-	42	DMT ⁴	-
	10/24/2016	42.0	0.0	-	-		DMT ⁴	-
HARW-2	11/10/2016			DNAPL pumping not required to be completed			DMT ⁴	-
	12/10/2016			DNAPL pumping not required to be completed			DMT ⁴	-
	1/16/2017	42.0	0.0	-	-	84	DMT ⁴	-
	2/20/2017			DNAPL gauging or pumping not required due to adverse weather conditions			DMT ⁴	-
	TOTAL VOLUME RECOVERED TO DATE FROM HARW-1 (GALLONS)						0.0	
	8/9/2010	38.5	1.5	-	-	0	weighted tape	-
	9/30/2010	38.5	1.5	-	-	1	weighted tape	-
	10/14/2010	38.3	1.8	-	-	14	weighted tape	-
	11/10/2010	37.6	2.4	1.5	2.3	27	DMT ⁴	positive displacement piston pump
	12/8/2010	34.7	5.3	-	-	28	DMT ⁴	positive displacement piston pump
	12/14/2010	-	-	0	5.1	6	DMT ⁴	-
	1/17/2011	35.4	4.6	-	-	34	DMT ⁴	-
	1/20/2011	-	-	0.3	4.0	-	DMT ⁴	piston pump
	2/28/2011	37.6	2.4	-	-	39	DMT ⁴	-
	3/2/2011	-	-	0.8	2.3	-	DMT ⁴	piston pump
	4/11/2011	33.8	6.3	-	-	40	DMT ⁴	-
	4/12/2011	-	-	0.3	5.5	-	DMT ⁴	piston pump
	5/16/2011	33.8	6.2	-	0.7	-	DMT ⁴	positive displacement piston pump
	5/19/2011	-	-	0.4	15.8	-	DMT ⁴	-
	6/13/2011	34.3	5.8	-	-	25	DMT ⁴	-
	6/16/2011	-	-	0.2	15.0	-	DMT ⁴	-
	7/19/2011	34.1	5.9	-	-	33	DMT ⁴	-
	7/20/2011	33.9	-	0.3	14.8	-	DMT ⁴	-
	8/22/2011	-	6.1	-	-	33	DMT ⁴	-
	8/23/2011	33.9	6.1	0.3	15.0	-	DMT ⁴	-
	9/26/2011	-	6.1	-	-	34	DMT ⁴	-
	9/28/2011	-	-	0.3	15.0	-	DMT ⁴	-
	10/24/2011	34.2	5.8	-	15.7	26	DMT ⁴	-
	10/25/2011	-	-	0.1	15.7	-	DMT ⁴	-
	11/29/2011	33.9	6.1	-	15.7	34	DMT ⁴	-
	11/30/2011	-	6.1	0.1	15.7	35	DMT ⁴	-
	1/4/2012	33.9	6.1	-	-	35	DMT ⁴	-
	1/6/2012	-	5.8	0.2	15.4	-	DMT ⁴	-
	1/31/2012	34.2	-	0.2	14.8	25	DMT ⁴	-
	3/6/2012	34.0	6.0	0.1	15.4	35	DMT ⁴	-
	4/6/2012	33.9	5.9	0.4	14.5	31	DMT ⁴	-
	5/2/2012	34.0	6.0	0.1	15.7	26	DMT ⁴	-
	6/2/2012	34.0	6.0	0.1	15.3	35	DMT ⁴	-
	7/11/2012	34.2	5.8	0.1	15.0	35	DMT ⁴	-
	8/6/2012	34.3	5.7	0.1	14.6	26	DMT ⁴	-
	9/10/2012	33.9	6.1	0.1	15.7	35	DMT ⁴	-
	10/10/2012	34.3	5.7	0.4	13.7	30	DMT ⁴	-
	11/5/2012	33.9	6.1	0.2	15.4	56	DMT ⁴	-
	12/5/2012	34.0	6.0	0.8	13.7	35	DMT ⁴	-
	2/6/2013	34.0	6.0	0.0	15.6	28	DMT ⁴	-
	3/6/2013	34.4	5.8	0.1	14.4	28	DMT ⁴	-
	4/4/2013	34.4	5.5	0.4	13.5	29	DMT ⁴	-

TABLE I
SUMMARY OF DNAPL MEASUREMENTS
NYSDEC #340-022
1 RIVER STREET
HASTINGS-ON-HUDSON, NEW YORK

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) *	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used	
HARW2 Continued	5/8/2013	34.3	5.8	0.4	13.9	34	DMT *	double diaphragm pump	
	6/5/2013	35.0	5.0	0.2	12.6	28	DMT *	double diaphragm pump	
	7/6/2013	35.7	4.3	0.2	10.9	34	DMT *	double diaphragm pump	
	8/5/2013	34.8	5.3	0.1	13.4	27	DMT *	double diaphragm pump	
	9/6/2013	34.3	5.8	0.4	13.9	35	DMT *	double diaphragm pump	
	10/4/2013	recovery data not compiled due to significant site activities which may pose a health and safety risk to workers							
	11/14/2013	recovery data not compiled due to significant site activities which may pose a health and safety risk to workers							
	12/11/2013	33.9	6.1	0.2	15.4	93	DMT *	double diaphragm pump	
	1/6/2014	34.6	5.4	2.7	7.2	29	DMT *	double diaphragm pump	
	2/7/2014	34.3	5.7	0.4	13.7	29	DMT *	double diaphragm pump	
	3/6/2014	35.2	4.8	0.2	12.2	27	DMT *	double diaphragm pump	
	4/7/2014	34.8	5.3	0.1	13.5	32	DMT *	double diaphragm pump	
	5/5/2014	35.7	4.3	0.3	10.7	28	DMT *	double diaphragm pump	
	6/7/2014	recovery data not compiled due to significant site activities which may pose a health and safety risk to workers							
	7/23/2014	34.4	5.6	1.3	14.3	79	DMT *	double diaphragm pump	
	8/12/2014	36.3	3.7	0.2	9.1	20	DMT *	double diaphragm pump	
	9/9/2014	35.7	4.3	0.2	10.9	28	DMT *	double diaphragm pump	
	10/7/2014	35.8	4.3	0.2	10.7	28	DMT *	double diaphragm pump	
	11/10/2014	35.3	4.8	0.1	12.2	34	DMT *	double diaphragm pump	
	12/10/2014	34.5	5.5	0.3	13.5	56	DMT *	double diaphragm pump	
	1/5/2015	34.5	5.5	0.3	13.5	56	DMT *	double diaphragm pump	
	2/2/2015	35.2	4.8	0.1	12.4	79	DMT *	double diaphragm pump	
	3/5/2015	35.2	4.8	0.1	12.4	79	DMT *	double diaphragm pump	
	4/1/2015	37.3	2.7	0.1	6.7	21	DMT *	double diaphragm pump	
	5/12/2015	37.7	2.3	0.1	5.9	28	DMT *	double diaphragm pump	
	6/6/2015	37.2	2.8	0.4	6.3	28	DMT *	double diaphragm pump	
	7/8/2015	35.9	4.1	0.8	8.5	29	DMT *	double diaphragm pump	
	8/4/2015	36.0	4.0	0.1	10.2	27	DMT *	double diaphragm pump	
	9/10/2015	36.0	4.0	0.2	10.0	37	DMT *	double diaphragm pump	
	10/13/2015	36.4	3.6	0.1	9.1	33	DMT *	double diaphragm pump	
	11/9/2015	37.0	3.0	1.0	7.6	27	DMT *	double diaphragm pump	
	12/4/2015	35.0	5.0	0.2	12.6	58	DMT *	double diaphragm pump	
	1/6/2016	36.3	3.7	0.1	9.4	33	DMT *	double diaphragm pump	
	2/8/2016	37.0	3.0	0.1	7.6	29	DMT *	double diaphragm pump	
	3/8/2016	37.7	2.3	0.1	5.9	27	DMT *	double diaphragm pump	
	4/4/2016	37.7	2.3	0.1	5.9	28	DMT *	double diaphragm pump	
5/2/2016	37.6	2.4	0.1	6.1	43	DMT *	double diaphragm pump		
6/14/2016	36.3	3.7	0.2	9.1	28	DMT *	double diaphragm pump		
7/12/2016	37.7	2.3	0.2	5.7	20	DMT *	double diaphragm pump		
8/1/2016	38.1	1.9	-	-	43	DMT *	double diaphragm pump		
8/13/2016	35.0	5.0	-	-	43	DMT *	double diaphragm pump		
10/25/2016	36.7	3.3	0.3	7.8	42	DMT *	double diaphragm pump		
11/10/2016	DNAPL pumping not required to be completed								
12/10/2016	36.0	4.0	0.7	8.7	85	DMT *	double diaphragm pump		
1/18/2017	DNAPL gauging or pumping not completed due to adverse weather conditions								
2/20/2017	DNAPL gauging or pumping not completed due to adverse weather conditions								
		TOTAL VOLUME RECOVERED TO DATE FROM HARW-2 (GALLONS)				726.1			
HARW3	10/14/2010	39.0	9.0	-	-	0	DMT *	-	
	11/11/2010	38.8	0.2	-	-	28	DMT *	-	
	12/8/2010	38.0	1.0	-	-	27	DMT *	-	
	12/15/2010	-	-	0.3	1.7	7	DMT *	double diaphragm pump	
	11/7/2011	38.2	0.8	-	-	33	DMT *	-	
	11/19/2011	-	-	0.2	0.6	-	DMT *	piston pump	
	2/9/2011	38.0	1.0	-	-	40	DMT *	-	
	3/2/2011	-	-	0.7	0.6	-	DMT *	piston pump	
	4/11/2011	38.0	1.0	-	-	39	DMT *	-	
	4/13/2011	-	-	0.5	1.2	-	DMT *	piston pump	
	5/16/2011	38.6	0.4	-	-	33	DMT *	-	
	5/19/2011	-	-	0.0	1.0	-	DMT *	piston pump	
	6/13/2011	38.5	0.5	-	-	25	DMT *	-	
	6/14/2011	-	-	0.2	0.6	-	DMT *	piston pump	
	7/19/2011	37.6	1.4	-	-	35	DMT *	-	
	7/20/2011	-	-	0.5	2.6	-	DMT *	double diaphragm pump	
	8/22/2011	37.8	1.2	-	2.8	33	DMT *	double diaphragm pump	
	9/26/2011	38.6	0.4	-	-	32	DMT *	-	
	10/24/2011	38.3	0.7	-	-	28	DMT *	-	
	11/28/2011	38.0	1.0	-	-	35	DMT *	-	
	1/4/2012	37.7	1.3	-	-	27	DMT *	-	
	1/31/2012	37.5	1.5	-	-	35	DMT *	-	
	3/6/2012	37.4	1.6	-	-	29	DMT *	-	
	4/4/2012	37.0	2.0	-	-	27	DMT *	-	
4/5/2012	-	-	0.3	4.7	27	DMT *	double diaphragm pump		
5/2/2012	38.6	0.4	-	-	33	DMT *	-		
6/4/2012	38.3	0.7	-	-	35	DMT *	-		
7/9/2012	38.3	0.7	-	-	35	DMT *	-		

TABLE I
SUMMARY OF DNAPL MEASUREMENTS
NYSDEC #3460-022
1 RIVER STREET
HAUSTINGS-ON-HUDSON, NEW YORK

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) *	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used	
HARW3 Continued	8/8/2012	38.1	0.9	-	-	30	DMT ⁴	-	
	9/10/2012	37.9	1.1	-	-	33	DMT ⁴	-	
	10/8/2012	37.8	1.2	-	-	28	DMT ⁴	-	
	11/5/2012	recovery data not compiled due to extreme weather events (Hurricane Sandy), which occurred in late October				56	DMT ⁴	-	
	12/3/2012	37.4	1.6	-	-	31	DMT ⁴	-	
	1/10/2013	37.2	1.8	0.8	-	25	DMT ⁴	-	
	2/4/2013	37.7	1.3	-	-	28	DMT ⁴	-	
	3/4/2013	37.7	1.3	-	-	29	DMT ⁴	-	
	4/2/2013	37.7	1.3	-	-	35	DMT ⁴	-	
	5/7/2013	37.6	1.4	-	-	28	DMT ⁴	-	
	6/4/2013	37.6	1.4	-	-	34	DMT ⁴	-	
	7/8/2013	37.5	1.5	-	-	28	DMT ⁴	-	
	8/5/2013	37.4	1.6	-	-	31	DMT ⁴	-	
	9/10/2013	37.2	1.8	-	-	36	DMT ⁴	-	
	10/4/2013	recovery data not compiled due to significant site activities which may pose a health and safety risk to workers				90	DMT ⁴	-	
	11/4/2013	recovery data not compiled due to significant site activities which may pose a health and safety risk to workers				28	DMT ⁴	-	
	12/9/2013	37.2	1.9	-	-	31	DMT ⁴	-	
	1/9/2014	36.6	2.4	0.6	4.8	25	DMT ⁴	-	
	2/6/2014	38.0	1.0	-	-	37	DMT ⁴	-	
	3/3/2014	38.0	1.0	-	-	28	DMT ⁴	-	
	4/6/2014	38.0	1.0	-	-	37	DMT ⁴	-	
	5/7/2014	37.8	1.2	-	-	28	DMT ⁴	-	
	6/7/2014	recovery data not compiled due to significant site activities which may pose a health and safety risk to workers				78	DMT ⁴	-	
	7/22/2014	37.6	1.4	-	-	21	DMT ⁴	-	
	8/12/2014	37.3	1.7	-	-	28	DMT ⁴	-	
	9/9/2014	37.3	1.7	-	-	28	DMT ⁴	-	
	10/7/2014	37.3	1.7	-	-	34	DMT ⁴	-	
	11/10/2014	37.2	1.8	-	-	28	DMT ⁴	-	
	12/10/2014	DNAPL pumping not required to be completed				57	DMT ⁴	-	
	1/6/2015	37.3	1.7	-	-	78	DMT ⁴	-	
2/2/2015	DNAPL gauging or pumping not completed due to adverse weather conditions				27	DMT ⁴	-		
3/25/2015	37.1	1.9	-	-	21	DMT ⁴	-		
4/21/2015	37.2	1.8	-	-	27	DMT ⁴	-		
5/12/2015	36.9	2.1	0.4	4.6	30	DMT ⁴	-		
6/8/2015	38.0	1.0	-	-	27	DMT ⁴	-		
7/8/2015	38.0	1.0	-	-	30	DMT ⁴	-		
8/4/2015	38.0	1.0	-	-	35	DMT ⁴	-		
9/8/2015	38.0	1.0	-	-	34	DMT ⁴	-		
10/12/2015	37.8	1.2	-	-	28	DMT ⁴	-		
11/8/2015	37.8	1.2	-	-	56	DMT ⁴	-		
12/4/2015	DNAPL pumping not required to be completed				35	DMT ⁴	-		
1/4/2016	37.8	1.2	-	-	29	DMT ⁴	-		
2/8/2016	37.8	1.2	-	-	27	DMT ⁴	-		
3/8/2016	37.8	1.2	-	-	28	DMT ⁴	-		
4/4/2016	37.7	1.3	-	-	42	DMT ⁴	-		
5/2/2016	37.7	1.3	-	-	28	DMT ⁴	-		
6/13/2016	37.7	1.3	-	-	0	DMT ⁴	-		
7/11/2016	37.7	1.3	-	-	63	DMT ⁴	-		
8/1/2016	37.4	1.6	-	-	42	DMT ⁴	-		
9/12/2016	37.4	1.6	-	-	84	DMT ⁴	-		
10/24/2016	37.4	1.6	-	-	28	DMT ⁴	-		
11/9/2016	DNAPL pumping not required to be completed				28	DMT ⁴	-		
12/19/2016	DNAPL pumping not required to be completed				84	DMT ⁴	-		
1/16/2017	37.4	1.6	-	-	28	DMT ⁴	-		
2/20/2017	DNAPL gauging or pumping not completed due to adverse weather conditions				28	DMT ⁴	-		
TOTAL VOLUME RECOVERED TO DATE FROM HARW3 (GALLONS)									25.3
HARW4	10/14/2010	34.8	6.2	-	-	0	DMT ⁴	positive displacement piston pump	
	11/10/2010	35.7	7.3	6.9	1.0	27	DMT ⁴	-	
	12/8/2010	32.7	6.3	2.9	20.8	7	DMT ⁴	piston pump & bailer	
	1/15/2011	34.3	6.7	-	-	33	DMT ⁴	-	
	2/12/2011	35.3	5.7	0.2	14.6	38	DMT ⁴	piston pump	
	3/8/2011	35.3	5.7	0.5	7.4	41	DMT ⁴	piston pump	
	4/13/2011	33.5	7.5	0.2	9.5	33	DMT ⁴	piston pump	
	5/19/2011	36.2	4.9	0.3	16.9	26	DMT ⁴	piston pump	
	6/13/2011	35.9	5.1	0.4	14.6	32	DMT ⁴	double diaphragm pump	
	7/19/2011	38.3	2.7	-	7.2	34	DMT ⁴	double diaphragm pump	
	8/22/2011	39.0	2.0	-	4.8	34	DMT ⁴	double diaphragm pump	
	8/23/2011	-	-	0.3	-	-	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) *	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
HARW4 Continued	9/27/2011	39.1	-	1.9	-	35	DMT ⁺	-
	9/29/2011	-	-	-	4.6	-	DMT ⁺	double diaphragm pump
	10/24/2011	39.6	1.4	-	-	25	DMT ⁺	-
	11/28/2011	38.1	2.9	-	-	35	DMT ⁺	-
	11/30/2011	-	-	0.3	7.3	-	DMT ⁺	double diaphragm pump
	1/4/2012	39.3	1.7	-	-	35	DMT ⁺	-
	1/6/2012	-	-	0.3	3.9	-	DMT ⁺	double diaphragm pump
	1/31/2012	40.5	0.5	-	-	25	DMT ⁺	-
	3/6/2012	39.0	2.0	0.3	4.8	35	DMT ⁺	double diaphragm pump
	4/4/2012	40.6	0.4	-	-	29	DMT ⁺	-
	5/2/2012	39.7	1.3	-	-	28	DMT ⁺	-
	6/4/2012	11.9	28.1	-	-	33	DMT ⁺	-
	6/5/2012	-	-	0.2	6.5	-	DMT ⁺	double diaphragm pump
	7/8/2012	40.2	0.8	-	-	34	DMT ⁺	-
	8/6/2012	2.2	2.2	0.0	6.2	28	DMT ⁺	double diaphragm pump
	8/10/2012	40.2	0.8	0.0	-	35	DMT ⁺	double diaphragm pump
	10/8/2012	39.7	1.3	-	-	28	DMT ⁺	double diaphragm pump
	11/5/2012	-	-	0.0	-	28	DMT ⁺	-
	12/3/2012	36.9	4.1	0.4	10.7	56	DMT ⁺	-
	1/7/2013	40.6	0.4	-	-	35	DMT ⁺	-
	2/4/2013	39.5	1.5	-	-	28	DMT ⁺	-
	3/4/2013	38.8	2.2	0.2	5.7	28	DMT ⁺	double diaphragm pump
	4/2/2013	40.8	0.2	-	-	29	DMT ⁺	-
	5/7/2013	40.2	0.8	-	-	35	DMT ⁺	-
	6/4/2013	40.2	0.8	-	-	28	DMT ⁺	-
	7/8/2013	37.7	3.3	0.6	7.8	34	DMT ⁺	-
	8/5/2013	37.7	3.3	-	-	28	DMT ⁺	-
	9/10/2013	40.3	0.7	-	-	36	DMT ⁺	-
	10/4/2013	-	-	-	-	-	DMT ⁺	-
	11/4/2013	-	-	-	-	-	DMT ⁺	-
	12/9/2013	38.3	2.7	0.5	6.5	90	DMT ⁺	-
	1/8/2014	40.5	0.5	-	-	30	DMT ⁺	-
	2/6/2014	40.4	0.6	-	-	29	DMT ⁺	-
	3/2/2014	40.4	0.6	-	-	25	DMT ⁺	-
	4/9/2014	40.1	0.9	-	-	37	DMT ⁺	-
	5/7/2014	38.3	2.7	0.3	6.7	28	DMT ⁺	-
	6/7/2014	-	-	-	-	-	DMT ⁺	-
	7/23/2014	40.1	0.9	-	-	77	DMT ⁺	-
	8/12/2014	39.7	1.3	-	-	20	DMT ⁺	-
	9/9/2014	39.6	1.4	-	-	28	DMT ⁺	-
	1/7/2015	38.6	2.4	0.6	5.0	28	DMT ⁺	-
	1/21/2015	39.6	1.4	-	-	35	DMT ⁺	-
	1/21/2015	-	-	-	-	-	DMT ⁺	-
	1/21/2015	-	-	-	-	-	DMT ⁺	-
	2/2/2015	-	-	-	-	-	DMT ⁺	-
	3/2/2015	-	-	-	-	-	DMT ⁺	-
	3/2/2015	38.0	3.0	0.7	6.1	133	DMT ⁺	-
	4/2/2015	38.3	2.7	0.3	7.0	28	DMT ⁺	-
	5/1/2015	40.6	0.4	-	-	20	DMT ⁺	-
	6/2/2015	40.6	0.4	-	-	28	DMT ⁺	-
	7/8/2015	40.5	0.5	-	-	30	DMT ⁺	-
	8/4/2015	40.2	0.8	-	-	27	DMT ⁺	-
	9/8/2015	39.5	1.5	-	-	35	DMT ⁺	-
	10/13/2015	38.7	2.3	0.2	5.9	27	DMT ⁺	-
	11/9/2015	40.7	0.3	-	-	35	DMT ⁺	-
	12/4/2015	40.2	0.8	-	-	27	DMT ⁺	-
	1/4/2016	40.2	0.8	-	-	56	DMT ⁺	-
	2/8/2016	40.1	0.9	-	-	35	DMT ⁺	-
	3/8/2016	39.3	1.7	-	-	29	DMT ⁺	-
	4/4/2016	39.3	1.7	-	-	27	DMT ⁺	-
	5/2/2016	39.3	1.7	-	-	28	DMT ⁺	-
	6/14/2016	38.9	2.1	0.2	5.4	43	DMT ⁺	-
	7/11/2016	39.3	1.7	-	-	27	DMT ⁺	-
	8/1/2016	39.3	1.7	-	-	21	DMT ⁺	-
	9/13/2016	39.0	2.0	0.1	5.4	43	DMT ⁺	-
	10/24/2016	40.2	0.8	-	-	41	DMT ⁺	-
	11/10/2016	-	-	-	-	-	DMT ⁺	-
	12/10/2016	-	-	-	-	-	DMT ⁺	-
	1/16/2017	39.3	1.7	-	-	84	DMT ⁺	-
	2/20/2017	-	-	-	-	-	DMT ⁺	-
	-	-	-	-	-	-	DMT ⁺	-
	-	-	-	-	-	-	DMT ⁺	-
	-	-	-	-	-	-	DMT ⁺	-
	-	-	-	-	-	-	DMT ⁺	-
	-	-	-	-	-	-	DMT ⁺	-
TOTAL VOLUME RECOVERED TO DATE FROM HARW-4 (GALLONS)		202.3						

TABLE I
SUMMARY OF DNAPL MEASUREMENTS
NYSDEC #3-60-022
1 RIVER STREET
HASTINGS-ON-HUDSON, NEW YORK

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) *	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
MARW-5	7/18/2011	38.7	1.5	-	-	0	DMT ⁴	-
	8/22/2011	36.9	3.6	-	-	35	DMT ⁴	double diaphragm pump
	8/25/2011	-	-	0.1	10.0	-	DMT ⁴	-
	8/26/2011	34.5	5.8	-	-	32	DMT ⁴	double diaphragm pump
	8/27/2011	-	-	0.3	15.7	-	DMT ⁴	-
	10/24/2011	35.3	5.0	-	-	27	DMT ⁴	double diaphragm pump
	10/25/2011	-	-	0.2	13.9	-	DMT ⁴	-
	11/28/2011	34.3	6.0	-	16.5	34	DMT ⁴	double diaphragm pump
	11/29/2011	-	-	0.2	-	36	DMT ⁴	-
	1/4/2012	34.3	6.0	-	16.2	25	DMT ⁴	double diaphragm pump
	1/5/2012	-	-	0.3	-	-	DMT ⁴	-
	1/30/2012	34.5	5.8	-	15.8	35	DMT ⁴	double diaphragm pump
	3/5/2012	34.3	6.0	0.2	16.3	30	DMT ⁴	double diaphragm pump
	4/2/2012	34.4	5.9	0.4	15.7	28	DMT ⁴	double diaphragm pump
	6/5/2012	34.6	5.7	0.2	15.7	34	DMT ⁴	double diaphragm pump
	7/10/2012	34.3	6.0	0.3	16.1	35	DMT ⁴	double diaphragm pump
	8/7/2012	34.5	5.8	0.2	16.0	28	DMT ⁴	double diaphragm pump
	8/10/2012	34.4	5.9	0.3	15.9	34	DMT ⁴	double diaphragm pump
	10/6/2012	34.5	5.8	0.2	16.0	29	DMT ⁴	double diaphragm pump
	11/5/2012	34.6	5.7	0.8	13.9	35	DMT ⁴	double diaphragm pump
	1/23/2012	34.6	5.7	0.3	15.2	38	DMT ⁴	double diaphragm pump
	1/8/2013	34.6	5.7	0.3	15.2	28	DMT ⁴	double diaphragm pump
	2/5/2013	34.5	5.9	0.1	16.4	29	DMT ⁴	double diaphragm pump
	4/3/2013	34.3	6.0	0.3	16.4	28	DMT ⁴	double diaphragm pump
	5/7/2013	35.1	5.2	0.5	12.3	31	DMT ⁴	double diaphragm pump
	6/4/2013	34.6	5.7	0.2	15.4	28	DMT ⁴	double diaphragm pump
	7/8/2013	34.6	5.7	0.2	15.4	34	DMT ⁴	double diaphragm pump
	8/6/2013	34.6	5.7	0.4	15.0	29	DMT ⁴	double diaphragm pump
	9/10/2013	34.6	5.7	0.3	15.2	35	DMT ⁴	double diaphragm pump
	11/10/2013	34.6	5.7	0.2	15.9	81	DMT ⁴	double diaphragm pump
	11/10/2014	34.8	5.5	0.2	15.0	25	DMT ⁴	double diaphragm pump
	2/4/2014	34.8	5.5	0.2	14.6	29	DMT ⁴	double diaphragm pump
	3/5/2014	34.8	5.5	0.4	14.6	34	DMT ⁴	double diaphragm pump
	4/8/2014	34.8	5.5	0.2	15.2	28	DMT ⁴	double diaphragm pump
	5/6/2014	34.8	5.5	0.8	13.5	28	DMT ⁴	double diaphragm pump
	6/7/2014	34.8	5.5	0.6	13.9	76	DMT ⁴	double diaphragm pump
	7/21/2014	34.4	5.9	0.2	16.1	21	DMT ⁴	double diaphragm pump
	8/11/2014	34.8	5.5	0.2	15.0	28	DMT ⁴	double diaphragm pump
	9/8/2014	34.8	5.5	0.2	14.8	28	DMT ⁴	double diaphragm pump
	10/6/2014	34.9	5.4	0.2	14.8	35	DMT ⁴	double diaphragm pump
	11/11/2014	35.7	4.6	0.2	12.4	56	DMT ⁴	double diaphragm pump
	12/11/2014	35.0	5.4	0.3	14.4	28	DMT ⁴	double diaphragm pump
	1/6/2015	35.0	5.4	0.3	14.4	28	DMT ⁴	double diaphragm pump
	2/2/2015	35.0	5.4	0.3	14.4	28	DMT ⁴	double diaphragm pump
	3/24/2015	34.4	5.9	0.9	13.1	77	DMT ⁴	double diaphragm pump
	4/21/2015	35.9	4.4	0.1	12.4	28	DMT ⁴	double diaphragm pump
	5/11/2015	35.2	5.1	0.5	13.3	20	DMT ⁴	double diaphragm pump
	6/6/2015	36.3	4.0	0.4	10.2	29	DMT ⁴	double diaphragm pump
	7/8/2015	35.1	5.2	0.1	14.6	28	DMT ⁴	double diaphragm pump
	8/5/2015	34.8	5.5	0.1	15.4	28	DMT ⁴	double diaphragm pump
	9/6/2015	35.6	4.7	0.1	13.3	35	DMT ⁴	double diaphragm pump
	10/12/2015	35.0	5.3	0.2	14.4	33	DMT ⁴	double diaphragm pump
	11/10/2015	35.1	5.2	0.2	14.4	28	DMT ⁴	double diaphragm pump
	12/4/2015	35.1	5.2	0.2	14.4	28	DMT ⁴	double diaphragm pump
	1/6/2016	35.1	5.2	0.2	14.1	57	DMT ⁴	double diaphragm pump
	2/6/2016	36.5	3.8	0.1	10.7	34	DMT ⁴	double diaphragm pump
	3/6/2016	35.3	5.0	0.2	13.7	29	DMT ⁴	double diaphragm pump
	4/5/2016	35.3	5.0	0.0	14.4	27	DMT ⁴	double diaphragm pump
	5/3/2016	35.4	4.9	0.2	13.5	28	DMT ⁴	double diaphragm pump
	6/14/2016	34.8	5.5	0.2	15.2	42	DMT ⁴	double diaphragm pump
	7/12/2016	34.8	5.5	0.3	14.8	28	DMT ⁴	double diaphragm pump
	8/2/2016	35.7	4.6	-	13.1	21	DMT ⁴	double diaphragm pump
	9/12/2016	35.1	5.2	0.6	12.8	41	DMT ⁴	double diaphragm pump
	10/24/2016	35.2	5.1	0.5	13.3	42	DMT ⁴	double diaphragm pump
	11/10/2016	35.2	5.1	0.5	13.3	42	DMT ⁴	double diaphragm pump
	12/10/2016	35.2	5.1	0.5	13.3	42	DMT ⁴	double diaphragm pump
	1/17/2017	35.2	5.1	0.2	14.1	85	DMT ⁴	double diaphragm pump
	2/20/2017	35.2	5.1	0.2	14.1	85	DMT ⁴	double diaphragm pump
TOTAL VOLUME RECOVERED TO DATE FROM MARW-5 (GALLONS)		814.3						

TABLE I
SUMMARY OF DNAPL MEASUREMENTS
NYSDEC #340-022
1 RIVER STREET
HASTINGS-ON-HUDSON, NEW YORK

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) *	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
HARW-6	7/19/2011	40.6	0.2	-	-	0	DMT *	-
	8/22/2011	40.6	0.2	-	-	34	DMT *	-
	9/26/2011	40.6	0.2	-	-	35	DMT *	-
	10/24/2011	40.3	0.5	-	-	28	DMT *	-
	11/28/2011	40.3	0.5	-	-	35	DMT *	-
	1/4/2012	40.2	0.6	-	-	37	DMT *	-
	1/31/2012	40.2	0.6	-	-	27	DMT *	-
	3/6/2012	40.2	0.6	-	-	35	DMT *	-
	4/4/2012	40.3	0.5	-	-	29	DMT *	-
	5/2/2012	40.3	0.5	-	-	28	DMT *	-
	6/4/2012	40.3	0.5	-	-	33	DMT *	-
	7/9/2012	40.3	0.5	-	-	35	DMT *	-
	8/8/2012	40.2	0.6	-	-	30	DMT *	-
	9/10/2012	40.2	0.6	-	-	33	DMT *	-
	10/8/2012	40.2	0.6	-	-	28	DMT *	-
	11/5/2012	40.2	0.6	-	-	56	DMT *	-
	12/3/2012	40.2	0.6	-	-	35	DMT *	-
	1/7/2013	40.1	0.7	-	-	28	DMT *	-
	2/4/2013	40.1	0.7	-	-	28	DMT *	-
	3/4/2013	40.1	0.7	-	-	29	DMT *	-
	5/7/2013	40.1	0.7	-	-	35	DMT *	-
	6/7/2013	40.4	0.4	-	-	28	DMT *	-
	8/6/2013	40.4	0.4	-	-	34	DMT *	-
	7/6/2013	40.2	0.6	-	-	28	DMT *	-
	8/2/2013	40.2	0.6	-	-	36	DMT *	-
	9/10/2013	40.2	0.6	-	-	35	DMT *	-
	10/4/2013	40.2	0.6	-	-	90	DMT *	-
	11/4/2013	40.2	0.6	-	-	30	DMT *	-
	12/9/2013	40.2	0.6	-	-	29	DMT *	-
	1/8/2014	40.2	0.6	-	-	25	DMT *	-
	2/6/2014	40.2	0.7	-	-	37	DMT *	-
	3/2/2014	40.2	0.7	-	-	28	DMT *	-
	4/9/2014	40.2	0.7	-	-	28	DMT *	-
	5/7/2014	40.1	0.7	-	-	28	DMT *	-
	6/7/2014	40.1	0.7	-	-	76	DMT *	-
	7/22/2014	40.1	0.7	-	-	21	DMT *	-
	8/12/2014	40.1	0.7	-	-	28	DMT *	-
	9/9/2014	40.1	0.7	-	-	28	DMT *	-
	10/7/2014	40.1	0.7	-	-	35	DMT *	-
	11/11/2014	40.1	0.7	-	-	56	DMT *	-
	12/11/2014	40.1	0.7	-	-	27	DMT *	-
	1/6/2015	40.1	0.7	-	-	28	DMT *	-
	2/2/2015	40.1	0.7	-	-	20	DMT *	-
	3/24/2015	40.1	0.7	-	-	30	DMT *	-
	4/21/2015	40.1	0.7	-	-	27	DMT *	-
	5/11/2015	40.1	0.7	-	-	35	DMT *	-
	6/8/2015	40.1	0.7	-	-	42	DMT *	-
	7/8/2015	40.1	0.7	-	-	21	DMT *	-
	8/4/2015	40.1	0.7	-	-	42	DMT *	-
	9/8/2015	40.1	0.7	-	-	28	DMT *	-
	10/12/2015	40.1	0.7	-	-	34	DMT *	-
	11/9/2015	40.0	0.8	-	-	28	DMT *	-
	12/4/2015	40.0	0.8	-	-	56	DMT *	-
	1/4/2016	40.0	0.8	-	-	35	DMT *	-
	2/6/2016	40.0	0.8	-	-	29	DMT *	-
	3/6/2016	40.0	0.8	-	-	27	DMT *	-
	4/4/2016	39.6	1.2	-	-	28	DMT *	-
	5/2/2016	39.6	1.2	-	-	42	DMT *	-
	6/13/2016	39.6	1.2	-	-	21	DMT *	-
	7/11/2016	39.6	1.2	-	-	42	DMT *	-
	8/12/2016	39.6	1.2	-	-	28	DMT *	-
	9/12/2016	39.6	1.2	-	-	42	DMT *	-
	10/24/2016	39.6	1.2	-	-	84	DMT *	-
	11/10/2016	40.0	0.8	-	-	28	DMT *	-
	12/10/2016	40.0	0.8	-	-	28	DMT *	-
	1/6/2017	40.0	0.8	-	-	28	DMT *	-
	2/9/2017	40.0	0.8	-	-	28	DMT *	-
TOTAL VOLUME RECOVERED TO DATE FROM HARW-6 (GALLONS)								
TOTAL VOLUME RECOVERED TO DATE FROM HARW-4 (GALLONS)								

TABLE I
SUMMARY OF DNAPL MEASUREMENTS
NYSDEC #3-60-022
1 RIVER STREET
HASTINGS-ON-HUDSON, NEW YORK

HARK-7	Date	Depth to Product (ft)	Product Apparent		Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) *	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
			Height - Pre-pumping (ft)	Height - Post-pumping (ft)					
	7/19/2011	40.5	1.5	-	-	-	0	DMT-4	-
	8/22/2011	36.9	5.1	-	-	-	35	DMT-4	double diaphragm pump
	8/24/2011	-	-	0.3	12.4	-	-	DMT-4	-
	9/26/2011	36.1	5.9	-	-	-	33	DMT-4	double diaphragm pump
	9/28/2011	-	-	0.3	14.6	-	-	DMT-4	-
	10/24/2011	36.4	5.6	-	-	-	26	DMT-4	double diaphragm pump
	11/24/2011	-	-	0.0	14.5	-	-	DMT-4	-
	11/28/2011	35.8	6.2	-	-	-	35	DMT-4	double diaphragm pump
	11/29/2011	-	-	0.4	15.1	-	-	DMT-4	-
	1/4/2012	35.6	6.3	-	-	-	36	DMT-4	double diaphragm pump
	1/5/2012	-	-	0.2	15.9	-	-	DMT-4	-
	1/12/2012	37.3	4.7	-	-	-	26	DMT-4	double diaphragm pump
	1/13/2012	-	-	0.2	11.7	-	-	DMT-4	-
	3/6/2012	36.0	6.0	0.2	15.2	35	DMT-4	double diaphragm pump	
	4/5/2012	36.3	5.7	0.1	14.6	30	DMT-4	double diaphragm pump	
	5/2/2012	37.0	5.0	0.2	12.6	27	DMT-4	double diaphragm pump	
	6/6/2012	36.6	5.4	0.1	13.8	35	DMT-4	double diaphragm pump	
	7/1/2012	36.2	5.8	0.3	14.6	34	DMT-4	double diaphragm pump	
	8/7/2012	36.8	5.2	0.3	12.6	28	DMT-4	double diaphragm pump	
	8/10/2012	36.2	5.8	0.4	13.9	34	DMT-4	double diaphragm pump	
	10/9/2012	36.2	5.8	0.2	12.6	28	DMT-4	double diaphragm pump	
	11/5/2012	-	recovery data not completed due to extreme weather events (Hurricane Sandy), which occurred in late October				DMT-4	double diaphragm pump	
	12/3/2012	35.0	7.0	0.1	18.0	55	DMT-4	double diaphragm pump	
	1/6/2013	41.5	0.5	-	-	36	DMT-4	-	
	2/6/2013	35.8	6.3	0.1	16.1	28	DMT-4	double diaphragm pump	
	3/5/2013	41.8	0.3	-	-	28	DMT-4	-	
	4/3/2013	37.0	5.0	0.4	12.0	29	DMT-4	double diaphragm pump	
	5/7/2013	41.4	0.6	-	-	34	DMT-4	-	
	6/4/2013	36.2	5.8	0.6	13.5	28	DMT-4	double diaphragm pump	
	7/6/2013	36.6	5.4	0.3	13.5	34	DMT-4	double diaphragm pump	
	8/6/2013	39.0	4.0	0.3	9.8	29	DMT-4	double diaphragm pump	
	9/10/2013	41.7	0.3	-	-	35	DMT-4	-	
	10/4/2013	-	recovery data not completed due to significant site activities which may pose a health and safety risk to workers				DMT-4	double diaphragm pump	
	11/4/2013	-	recovery data not completed due to significant site activities which may pose a health and safety risk to workers				DMT-4	double diaphragm pump	
	12/1/2013	35.8	6.2	0.2	15.7	93	DMT-4	double diaphragm pump	
	1/10/2014	37.4	4.6	0.2	11.5	29	DMT-4	double diaphragm pump	
	2/7/2014	39.2	3.8	0.2	9.6	28	DMT-4	double diaphragm pump	
	3/5/2014	40.4	1.6	-	-	26	DMT-4	double diaphragm pump	
	4/6/2014	36.0	6.0	0.2	15.2	34	DMT-4	double diaphragm pump	
	5/6/2014	41.7	0.3	-	-	28	DMT-4	double diaphragm pump	
	6/7/2014	-	recovery data not completed due to significant site activities which may pose a health and safety risk to workers				DMT-4	-	
	7/2/2014	36.0	6.0	0.2	15.2	77	DMT-4	double diaphragm pump	
	8/12/2014	41.0	1.0	-	-	21	DMT-4	double diaphragm pump	
	9/8/2014	36.4	5.6	0.8	12.6	27	DMT-4	double diaphragm pump	
	10/6/2014	40.7	1.3	-	-	28	DMT-4	double diaphragm pump	
	11/11/2014	35.8	6.2	0.1	15.9	36	DMT-4	double diaphragm pump	
	12/11/2014	-	DNAPL pumping not required to be completed				DMT-4	double diaphragm pump	
	1/6/2015	-	DNAPL not pumped due to adverse weather conditions				DMT-4	-	
	2/2/2015	-	DNAPL gauging or pumping not completed due to adverse weather conditions				DMT-4	-	
	3/23/2015	35.8	6.3	0.3	15.4	132	DMT-4	double diaphragm pump	
	4/21/2015	41.5	0.5	-	-	29	DMT-4	double diaphragm pump	
	5/11/2015	39.9	2.1	0.1	5.2	20	DMT-4	double diaphragm pump	
	6/6/2015	40.0	2.0	0.1	5.0	28	DMT-4	double diaphragm pump	
	7/6/2015	39.9	2.1	0.1	5.2	30	DMT-4	double diaphragm pump	
	8/4/2015	40.2	1.8	-	-	27	DMT-4	double diaphragm pump	
	9/6/2015	37.0	5.0	0.1	12.8	35	DMT-4	double diaphragm pump	
	10/7/2015	39.1	2.9	0.1	7.4	34	DMT-4	double diaphragm pump	
	11/6/2015	40.2	1.8	-	-	28	DMT-4	double diaphragm pump	
	12/4/2015	-	DNAPL pumping not required to be completed				DMT-4	-	
	1/4/2016	36.8	5.2	0.3	12.8	56	DMT-4	double diaphragm pump	
	2/6/2016	38.3	2.7	0.2	6.5	35	DMT-4	double diaphragm pump	
	3/6/2016	41.7	0.3	-	-	29	DMT-4	double diaphragm pump	
	4/4/2016	37.0	0.3	-	-	27	DMT-4	double diaphragm pump	
	5/2/2016	37.0	5.0	0.1	12.8	28	DMT-4	double diaphragm pump	
	6/13/2016	40.2	1.8	-	-	42	DMT-4	double diaphragm pump	
	7/11/2016	38.5	3.5	0.3	8.3	26	DMT-4	double diaphragm pump	
	8/12/2016	39.5	2.5	-	6.5	21	DMT-4	double diaphragm pump	
	9/12/2016	40.3	1.7	-	-	42	DMT-4	double diaphragm pump	
	10/24/2016	37.2	4.8	0.3	11.5	42	DMT-4	double diaphragm pump	
	11/10/2016	-	DNAPL pumping not required to be completed				DMT-4	-	
	12/1/2016	-	DNAPL pumping not required to be completed				DMT-4	-	
	1/2/2017	37.3	4.8	0.1	12.2	85	DMT-4	double diaphragm pump	
	2/2/2017	-	DNAPL gauging or pumping not completed due to adverse weather conditions				DMT-4	-	
TOTAL VOLUME RECOVERED TO DATE FROM HARK-7 (GALLONS)									494.3

TABLE I
SUMMARY OF DNAPL MEASUREMENTS
NYSDEC #3-60-022
1 RIVER STREET
HASTINGS-ON-HUDSON, NEW YORK

	Date	Depth to Product (ft)	Product Apparent Height - Pre-pumping (ft)	Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) *	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
MARW-8	7/19/2011	42.6	0.4	-	-	0	DMT *	-
	8/22/2011	42.9	0.1	-	-	34	DMT *	-
	9/26/2011	42.9	0.1	-	-	35	DMT *	-
	10/24/2011	42.8	0.3	-	-	28	DMT *	-
	11/28/2011	42.8	0.3	-	-	35	DMT *	-
	1/4/2012	42.8	0.3	-	-	37	DMT *	-
	1/31/2012	42.8	0.3	-	-	27	DMT *	-
	3/6/2012	42.8	0.3	-	-	35	DMT *	-
	4/4/2012	42.8	0.3	-	-	29	DMT *	-
	5/3/2012	42.8	0.3	-	-	28	DMT *	-
	6/4/2012	42.8	0.3	-	-	32	DMT *	-
	7/9/2012	42.1	0.9	-	-	35	DMT *	-
	8/8/2012	42.7	0.3	-	-	30	DMT *	-
	9/10/2012	42.7	0.3	-	-	33	DMT *	-
	10/6/2012	42.7	0.3	-	-	28	DMT *	-
	11/5/2012	recovery data not compiled due to extreme weather events (Hurricane Sandy), which occurred in late October						
	12/3/2012	42.7	0.3	-	-	56	DMT *	-
	1/7/2013	42.7	0.3	-	-	35	DMT *	-
	2/4/2013	43.0	0.0	-	-	28	DMT *	-
	3/4/2013	43.0	0.0	-	-	28	DMT *	-
	4/2/2013	43.0	0.0	-	-	29	DMT *	-
	5/9/2013	43.0	0.0	-	-	37	DMT *	-
	6/4/2013	43.0	0.0	-	-	26	DMT *	-
	7/10/2013	43.0	0.0	-	-	36	DMT *	-
	8/5/2013	43.0	0.0	-	-	26	DMT *	-
	9/10/2013	43.0	0.0	-	-	36	DMT *	-
	10/4/2013	recovery data not compiled due to significant site activities which may pose a health and safety risk to workers						
	11/4/2013	recovery data not compiled due to significant site activities which may pose a health and safety risk to workers						
	12/10/2013	43.0	0.0	-	-	91	DMT *	-
	1/6/2014	43.0	0.0	-	-	29	DMT *	-
	2/6/2014	43.0	0.0	-	-	29	DMT *	-
	3/5/2014	43.0	0.0	-	-	27	DMT *	-
	4/10/2014	43.0	0.0	-	-	36	DMT *	-
	5/7/2014	43.0	0.0	-	-	27	DMT *	-
	6/7/2014	recovery data not compiled due to significant site activities which may pose a health and safety risk to workers						
	7/22/2014	43.0	0.0	-	-	76	DMT *	-
	8/12/2014	43.0	0.0	-	-	21	DMT *	-
	9/9/2014	43.0	0.0	-	-	28	DMT *	-
	10/7/2014	43.0	0.0	-	-	28	DMT *	-
	11/12/2014	43.0	0.0	-	-	36	DMT *	-
	12/12/2014	DNAPL pumping not required to be completed						
	1/6/2015	43.0	0.0	-	-	55	DMT *	-
	2/2/2015	DNAPL gauging or pumping not completed due to adverse weather conditions						
	3/24/2015	37.0	6.0	2.6	8.1	77	DMT *	-
	4/21/2015	39.9	3.1	2.3	2.0	28	DMT *	-
	5/11/2015	40.9	2.1	0.1	3.3	20	DMT *	-
	6/8/2015	41.8	1.2	-	-	28	DMT *	-

TABLE 1
SUMMARY OF DNAPL MEASUREMENTS
NYSDEC CASE # 2015-00002Z
1 ROVER STREET
HASTINGS-ON-HUDSON, NEW YORK

HARW-9 Continued	Date	Depth to Product (ft)	Product Apparent		Product Apparent Height - Post-pumping (ft)	Approximate Volume of Product Recovered (gallons) ¹	Days Elapsed Between Measurement Readings	Measurement Tool Used	Recovery Procedure Used
			Pre-pumping (ft)	Height - Post-pumping (ft)					
	7/8/2015	41.8	1.2	-	-	-	30	DMT ⁴	-
	8/4/2015	41.7	1.3	-	-	-	27	DMT ⁴	-
	9/8/2015	41.3	1.7	-	-	-	35	DMT ⁴	-
	10/12/2015	42.0	1.0	-	-	-	34	DMT ⁴	-
	11/11/2015	41.0	2.0	0.3	4.6	30	DMT ⁴	-	
	12/4/2015				DNAPL pumping not required to be completed		DMT ⁴	-	
	1/4/2016	42.7	0.3	-	-	-	54	DMT ⁴	-
	2/8/2016	42.7	0.3	-	-	-	35	DMT ⁴	-
	3/8/2016	42.7	0.3	-	-	-	29	DMT ⁴	-
	4/4/2016	42.7	0.3	-	-	-	27	DMT ⁴	-
	5/2/2016	42.7	0.3	-	-	-	28	DMT ⁴	-
	6/13/2016	42.7	0.3	-	-	-	42	DMT ⁴	-
	7/11/2016	42.0	1.0	-	-	-	28	DMT ⁴	-
	8/1/2016	41.8	1.2	-	-	-	21	DMT ⁴	-
	9/12/2016	41.6	1.4	-	-	-	42	DMT ⁴	-
	10/24/2016	41.7	1.3	-	-	-	42	DMT ⁴	-
	11/10/2016				DNAPL pumping not required to be completed		DMT ⁴	-	
	12/10/2016				DNAPL pumping not required to be completed		DMT ⁴	-	
1/18/2017	40.8	2.2	0.2	5.2	86	DMT ⁴	-		
2/20/2017				DNAPL gauging or pumping not completed due to adverse weather conditions		DMT ⁴	-		
TOTAL VOLUME RECOVERED TO DATE FROM HARW-3 (GALLONS)						23.2			

Notes:
DNAPL pumping was not conducted in any of the wells due to equipment availability and shortages caused by extreme weather events (Hurricane Sandy) which occurred in late October. The NYSDEC was notified of this issue prior to the scheduled start of the work.

Notes:

MX-12
Depth to Top of Screen: 33 ft
Depth to Bottom: 30 ft
HARW-2
Depth to Top of Screen: 26 ft
Depth to Bottom: 40 ft

HARW-3
Angle from Vertical: 16.5°
Vertical Depth to Top of Screen: 25.4 ft
Vertical Depth to Bottom: 39 ft

HARW-4
Angle from Vertical: 24.5°
Vertical Depth to Top of Screen: 28.7 ft
Vertical Depth to Bottom: 41 ft

HARW-5
Angle from Vertical: 28.5°
Vertical Depth to Top of Screen: 27 ft
Vertical Depth to Bottom: 40.3 ft

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

HARW-7
Depth to Top of Screen: 27.5 ft
Depth to Bottom: 42 ft

HARW-8
Depth to Top of Screen: 28.5 ft
Depth to Bottom: 43 ft

HARW-9
Depth to Top of Screen: 28.5 ft
Depth to Bottom: 43 ft

HARW-10
Depth to Top of Screen: 28.5 ft
Depth to Bottom: 43 ft

HARW-11
Depth to Top of Screen: 28.5 ft
Depth to Bottom: 43 ft

HARW-12
Depth to Top of Screen: 28.5 ft
Depth to Bottom: 43 ft

HARW-13
Depth to Top of Screen: 28.5 ft
Depth to Bottom: 43 ft

HARW-14
Depth to Top of Screen: 28.5 ft
Depth to Bottom: 43 ft

HARW-15
Depth to Top of Screen: 28.5 ft
Depth to Bottom: 43 ft

HARW-16
Depth to Top of Screen: 28.5 ft
Depth to Bottom: 43 ft

HARW-17
Depth to Top of Screen: 28.5 ft
Depth to Bottom: 43 ft

HARW-18
Depth to Top of Screen: 28.5 ft
Depth to Bottom: 43 ft