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Report

First Half 2016 Operations and Monitoring Report
Remedial Action Pilot Study

Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

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Prepared for

U.S. Environmental Protection Agency
Region 10
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September 2016

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Transmittal

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Address:	U.S. Environmental Protection Agency, Region 10 1200 6th Avenue, Suite 900 Seattle, WA 98101-3140	**Date:**	September 22, 2016
Re:	**First Half 2016 Operations and Monitoring Report, Remedial Action Pilot Study**		

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1. Significant Developments This Period

The recirculation trench has operated as designed with a total flow rate of approximately 42 to 50 gallons per minute (gpm) from extraction wells EW-1, EW-2, EW-4, and EW-5. There have been no high alarms since rehabilitation of the system in July 2015.

The pentachlorophenol (PCP) concentrations during the first and second quarter monitoring events in 2016 have decreased in several wells, including multiple downgradient wells. This suggests the effects of the rehabilitations of the recirculation system and addition of the in situ submerged oxygen curtains (iSOCs) are reducing concentrations downgradient of the system. See Section 4.2 for more details regarding PCP concentrations observed during the first half of 2016.

The Hanner property was sold to Yacht Properties. This property has no soil contamination associated with the federal Resource Conservation and Recovery Act (RCRA) project, but a groundwater plume exists beneath the property. Baxter will continue to have access to the monitoring wells on the Hanner property for replacing iSOCs, well maintenance, and monitoring. Should other remedial activities be required, access will be provided as appropriate.

2. Introduction

The J.H. Baxter Team, consisting of J.H. Baxter & Co. (Baxter) and GSI Water Solutions, Inc. (GSI), has prepared this *First Half 2016 Operations and Monitoring Report – Remedial Action Pilot Study* (O&M report) for the former J.H. Baxter wood-treating facility (Site) that currently is operated by McFarland Cascade Holdings, Inc. (a Stella-Jones Company), located at 6520 188th Street NE in Arlington, Washington (Figure 1). This report has been prepared for the U.S. Environmental Protection Agency (EPA) to document the results of groundwater monitoring and remedial action for the Site during the first half of 2016 (January 1, 2016, to June 30, 2016).

The Remedial Action Pilot Study is considered to be part of the ongoing Corrective Measures Study (CMS; Baxter, 2011), which is being implemented pursuant to Paragraph 53 of the EPA Administrative Order on Consent (AOC) dated April 30, 2001 (EPA, 2001). CMS-related activities were conducted consistent with guidance provided by EPA in the RCRA Corrective Action Plan (Final), dated May 1994 (EPA, 1994); Corrective Actions Advance Notice of Proposed Rulemaking (EPA, 1996); and the AOC.

This semiannual report fulfills the documentation required for the ongoing operations and maintenance (O&M) related to the *Remedial Action Pilot Study Work Plan* (Baxter, 2007a) and *Remedial Action Pilot Study Performance Monitoring Plan* (PMP; Baxter, 2007b), which were submitted to EPA in 2007.

3. Remedial Action Pilot Study

The Remedial Action Pilot Study was designed to enhance in situ bioremediation and passive recovery of light non-aqueous phase liquid (LNAPL). The pilot study includes an extraction well network, infiltration trench, recovery wells, and monitoring well network (Figure 2). The pilot study installation was completed in January 2008, with six additional monitoring wells added in 2010.

The purpose of the enhanced in situ bioremediation (the recirculation system) is to increase groundwater pH for favorable conditions for biodegradation of PCP. The system also adds oxygen by pumping the reduced water and allowing it to cascade through the vadose zone, picking up oxygen before reaching the groundwater table. The recirculation system uses four extraction wells to extract affected groundwater, which is pumped in an infiltration trench upgradient of the extraction wells. The infiltration trench is composed of basalt gravel and limestone rock, which increases the pH of the affected groundwater when contact is made. Additionally, LNAPL is passively recovered in five recovery wells with the installation of sorbent socks.

4. Operations, Maintenance, and Monitoring

Routine monitoring changed from monthly to quarterly in July 2010 with EPA's approval (EPA, 2010). EPA approved another reduction in reporting from quarterly to semiannual O&M reports in its May 18, 2015, letter (EPA, 2015b). Routine monitoring includes:

- Record groundwater level measurements in the monitoring well network.
- Collect groundwater samples from the monitoring well network.
- Collect a composite groundwater sample from the extraction wells.
- Inspect the sorbent socks in the recovery wells and replace if saturated.

4.1 Groundwater Level Measurements

Groundwater monitoring events occurred on February 28 and 29, 2016, for the first quarter of 2016 and June 5 through 7, 2016, for the second quarter of 2016. The groundwater elevations from the first and second quarter 2016 monitoring events, and the past three monitoring events, are presented in Table 1.

A groundwater elevation contour map of the first and second quarter 2016 monitoring events are presented in Figures 3 and 4, respectively. At the time groundwater measurements were collected, extraction wells EW-1, EW-2, EW-4, and EW-5 were running.

The groundwater elevation at monitoring well MW-37 during the second quarter of 2016 is suspect and likely a field measurement error, as the groundwater elevation is approximately 10 to 15 feet higher than the anticipated elevation for the time of year (Figure A-22 in Appendix A).

Appendix A provides additional figures with more detailed analysis of groundwater elevations across the Site and information about operation of the recirculation system.

Figure A-1 is a cross section location map. Figures A-2 through A-5 present the groundwater elevations along each cross section from the first and second quarter 2016 monitoring events. The wells along each transect have been identified as a shallow well, intermediate well, or deep well based on the following classifications:

- A shallow well has the elevation of the bottom of the screen above 90 feet, North American Vertical Datum of 1988 (NAVD88).
- An intermediate well has the elevation of the bottom of the screen between 70 and 90 feet, NAVD88.
- A deep well has the elevation of the bottom of the screen below 70 feet, NAVD88.

Well clusters of different screened intervals were used to evaluate vertical gradients. The vertical gradients for each well pair are presented in Table 2 and Figure 5, where a negative gradient indicates an upward trend and a positive gradient indicates a downward trend. In Appendix A, Figures A-2 through A-5 display the vertical gradients for select well pairs. Figures A-4 and A-5 show that water levels in the shallow zone, where the extraction and infiltration occurred, were generally higher in the area of infiltration and lower in the area of extraction as would be expected. The MW-25 and MW-32 well pair (Figure 5) shows a downward gradient that is consistent with past trends and is to be expected near the infiltration trench, where shallow water levels are elevated because of the infiltrating groundwater. In between the infiltration trench and extraction wells, at well pair MW-3/MW-33, there is minimal vertical gradient. Additionally, there is minimal vertical gradient between the deep zone and shallow zone near the extraction wells (MW-29/MW-38 well pair). Downgradient of the recirculation system, there is little vertical gradient between the shallow, intermediate, and deep zones except for between MW-37/MW-41 where it appears that field measurements at MW-37 were erroneous. Close attention will be paid to measurements at MW-37 during the upcoming round of sampling to obtain a valid measurement that appears to fluctuate in the water level differently from the surrounding wells.

Hydrographs for each monitoring well are presented in Appendix A (Figures A-6 through A-25) along with precipitation data. Daily precipitation data, consisting of rain and snowmelt, are from the National Climatic Data Center's station in Arlington, Washington. Trends between the groundwater elevation and precipitation are shown in the hydrographs, with groundwater levels rising after periods of higher precipitation and groundwater levels decreasing after periods of low or no precipitation. Groundwater elevations generally increased from the fourth quarter of 2015 into the beginning of 2016, with a few exceptions, with increasing intensity and frequency of rainfall events occurring at the end of 2015. The exceptions are wells MW-1 and MW-4. The groundwater elevations then generally decreased into the second quarter of 2016 because of a decrease in intensity and frequency of rainfall events, with the exception at wells MW-1, MW-30, and the suspect measurement from MW-37.

4.2 Groundwater Monitoring and Water Quality

The first half of 2016 groundwater sampling occurred on February 28 and 29, 2016, and June 5 and 6, 2016, during the first and second quarter monitoring events, respectively. In the

monitoring well network, 31 monitoring wells were sampled during each monitoring event and a composite sample of the operational extraction wells, with the exception of EW-5 because of accessibility issues, was collected. The following monitoring wells were sampled for PCP by EPA Method 8151A:

- HCMW-7
- MW-22 through MW-29
- MW-31 through MW-34
- MW-38 through MW-43
- Composite sample of EW-1, EW-2, and EW-4 (sampled for PCP and its breakdown products)

The following wells were analyzed for PCP by EPA Method 8151A and polycyclic aromatic hydrocarbons (PAH) by EPA Method 8270D SIM:

- BXS-1 and BXS-2
- MW-2 and MW-3
- MW-15 through MW-18
- MW-30
- MW-35 through MW-37

Wells were sampled using dedicated submersible bladder pumps in "Site Investigation" wells installed before 2004, and a portable submersible pump in "PMP" wells installed in 2007 or later that was decontaminated after sampling each well. Groundwater samples were collected by Baxter personnel in general accordance with the *Revised Supplemental Dissolved-phase Groundwater Monitoring Plan* (Baxter, 2005) and *Site Investigation Work Plan* (Baxter, 2002). Samples were analyzed by ALS Environmental (ALS) in Kelso, Washington. Laboratory reports are presented in Appendix B. Monitoring well analytical results are summarized in Table 3A. Extraction well analytical results are summarized in Tables 3B and 3C, with historical analytical data in Tables 3D for comparison. Table 4 presents the bacteriological analysis from select wells in 2010.

PCP results for the first and second quarters of 2016 are presented in Figure 6. Historical quarterly PCP isopleth maps for the shallow and intermediate zones have been combined since 2008 and are shown in Figures 7 through 14, with each figure consisting of 1 calendar year of PCP isopleth maps. The first and second quarters of 2016 PCP isopleth maps for the shallow and intermediate zones combined are presented in Figures 15 and 16, respectively. Historical quarterly PCP isopleth maps in the deep zone since the fourth quarter of 2011 are shown in Figures 17 through 20. The first and second quarters of 2016 PCP isopleth maps for the deep zone are presented in Figures 21 and 22, respectively. Figure 23 displays the PCP concentrations from the second quarter of 2016 along a cross section longitudinal to the PCP plume. Time series plots of PCP and PAH concentrations by well are presented in Appendix C. PAH concentrations for the first and second quarters of 2016 are presented in Figure 24.

Generally, PCP concentrations in the first half of 2016 are consistent with previous monitoring events, with a significant number of PCP concentrations decreasing from previous monitoring events (see Appendix C). The exceptions (presented in Appendix C) are:

- **MW-22 (Figure C-5)**: For the past 4 quarters, the PCP concentration has shifted from 380 micrograms per liter (µg/L) (third quarter of 2015) to 37 µg/L (fourth quarter of 2015) to 130 µg/L (first quarter of 2016) to 81 µg/L (second quarter of 2016). This well is located upgradient of extraction well EW-1, which was minimally operated before rehabilitation in July 2015 and has been continuously operated since August 2015. The fluctuations in PCP concentration in MW-22 can be attributed to these operational changes in extraction well EW-1.
- **MW-25 (Figure C-7)**: The PCP concentration had an upward trend in the first half of 2016, starting from 55 µg/L in the fourth quarter of 2015 to 380 µg/L and 800 µg/L in the first and second quarters of 2016, respectively. This well is located upgradient of the infiltration trench in the source area where fluctuations in concentrations are expected especially in areas that contain residual product.
- **MW-36 (Figure C-12)**: The PCP concentration had a downward trend in 2015, with a concentration of 31 µg/L in the fourth quarter, but increased to 140 µg/L in the first quarter of 2016. The PCP concentration in the second quarter of 2016 was 14 µg/L, which continues the downward trend established in 2015.
- **MW-39 (Figure C-14)**: The PCP concentration had a downward trend in 2015 ending with a concentration of 24 µg/L in the fourth quarter, but increased to 110 µg/L in the first quarter of 2016. The PCP concentration in the second quarter of 2016 was 19 µg/L, which continues the downward trend established in 2015.
- **MW-42 (Figure C-15)**: The PCP concentration in the first quarter of 2016 increased to 42 µg/L from 7.2 µg/L in the fourth quarter of 2015. During the second quarter of 2016, the PCP concentration decreased to 31 µg/L. This well is located downgradient of the Site. It is expected that concentrations will continue to decrease, as displayed in the second quarter of 2016, as the effects of the recirculation system cut off the plume from the source area. Given the groundwater velocity of 0.2 to 5 feet/day and minimal potential for attenuation when the system was not operating, the decrease in concentration could take up to a year.

Multiple wells continued a decreasing trend in PCP concentration for the last several monitoring events. This includes monitoring wells upgradient of the extraction wells (e.g., MW-3, MW-23, and MW-33) and monitoring wells downgradient of the recirculation system (e.g., BSX-1, MW-29, MW-34, MW-36, MW-37, MW-40, and MW-41). The number of wells that show a downward trend of PCP has greatly increased, which is likely caused by the restored operation of the recirculation system. These wells will continue to be observed to determine the effect of the rehabilitation of the recirculation system. Wells further downgradient of the recirculation system (e.g., MW-40 and MW-41) have started to benefit from the recirculation system. Well MW-42, the farthest downgradient of the recirculation system, is anticipated to follow suit within approximately the next half year.

Other wells (e.g., MW-22, MW-24, MW-36, and MW-39) had fluctuating PCP concentrations, sometimes ranging a couple hundred micrograms per liter over several monitoring events. These fluctuating PCP concentrations could be associated with seasonal changes in

groundwater elevation, but also may be associated with changes in gradients because of rehabilitation of the recirculation system.

The extraction well samples were a laboratory composite of discrete groundwater samples from EW-1, EW-2 and EW-4 in the first and second quarter of 2016 that was analyzed for PCP and select breakdown products. The PCP concentration for the first quarter of 2016 was 620 µg/L and 550 µg/L in the second quarter of 2016. The breakdown products 2,4,5-trichlorophenol and 2,4,6-trichlorophenol were not detected above their respective reporting limits in the first and second quarters of 2016, and the total tetrachlorophenols were 34 and 30 µg/L, respectively.

4.3 Extraction Wells

Extraction wells EW-01, EW-02, EW-04, and EW-05 were operating continuously during the first and second quarters of 2016 at a cumulative rate of approximately 42 to 50 gpm.

4.4 iSOC Wells

iSOCs were installed in three downgradient deep wells (MW-39, MW-40, and MW-41) to add oxygen to the deeper water-bearing zone in June 2015 during the recirculation trench rehabilitation. The oxygen from the iSOCs is regularly depleted with at least a portion of that being used for degradation of PCP. The oxygen tanks were replaced in MW-39, MW-40, and MW-41 on January 27, March 29, and May 27, 2016.

Since the iSOC installation in June 2015, PCP concentrations generally have decreased in MW-39, MW-40, and MW-41. It is unclear how much of the decrease in concentrations is attributable to the iSOCs versus the recirculation system; both appear to be having a positive effect on reducing PCP in the groundwater system.

4.5 LNAPL Recovery

The following five wells have sorbent socks to passively absorb LNAPL:

- MW-12
- MW-13
- MW-19
- MW-20
- MW-21

All of the sorbent socks in the recovery wells were inspected on February 29 and June 6, 2016. Based on visual assessment, only the sorbent sock in MW-12 needed to be replaced. Baxter arranges for the used sorbent socks to be disposed of offsite along with the waste produced by the Stella-Jones facility. Since the start of the pilot study, it has been observed that the sorbent socks in recovery wells MW-13, MW-19, MW-20, and MW-21 consistently have less product sorbed compared to the sorbent sock in MW-12.

Based on manufacturer's literature, each sorbent sock is able to absorb 2 pounds of LNAPL. It is calculated that a total of 4.9 pounds of LNAPL were recovered in the first and second quarters of 2016 (Table 5). This calculation is based on the laboratory-determined mass of

the unused portion of the sorbent sock from MW-12 subtracted from the mass of the saturated portion of the sock.

4.6 Quality Assurance and Quality Control

Laboratory data validation memorandums were compiled by GSI for the samples collected for the first and second quarter 2016 monitoring events (Appendix D). The memorandum is in agreement with the *Sampling and Analysis Data Management Plan from the Site Investigation Work Plan* (Baxter, 2002). The laboratory data validation memorandums in Appendix D discuss the following samples:

- In the first quarter of 2016, 41 groundwater samples from the monitoring well network (including two duplicate samples), the extraction well laboratory composite sample, and one field blank sample were analyzed by ALS.
- In the second quarter of 2016, 35 groundwater samples from the monitoring well network (including two duplicate samples), the extraction well laboratory composite sample, and one field blank sample were analyzed by ALS.

During the data validation process, GSI determined that the data were fully usable with the addition of the qualifiers specified in Appendix D, Sections 5.1 and 5.2 of the first and second quarter Laboratory Data Validation Memorandums. No data were rejected during validation.

4.7 Activities Planned for the Second Half of 2016

Quarterly groundwater monitoring events will continue in the second half of 2016 as outlined in the PMP. These monitoring events will include the same elements discussed in this O&M report: groundwater level measurements, groundwater sampling within the monitoring network and an extraction well composite sample, and inspection of the sorbent socks in the recovery wells.

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Tables

Table 1. Groundwater Elevation Summary
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Well ID	Northing	Easting	Top of Casing Elevation (ft, NAVD88)	Groundwater Elevations (ft, NAVD88)				
				2/23/2015	9/14/2015	12/7/2015	2/29/2016	6/6/2016
BXS-1	427577	1320372.8	142.65	110.93	106.05	106.45	113.75	112.15
BXS-2	427429.1	1320176.6	142.89	113.13	108.19	108.19	115.69	114.39
BXS-3	427202.9	1320143.8	142.07	117.03	108.67	113.54	119.57	117.77
BXS-4	426556.4	1320865.9	143.42	130.42	127.02	129.76	133.27	130.22
MW-1	427352.2	1320826.9	147.44	124.14	119.29	124.44	119.73	122.87
MW-2	428166.9	1320647.4	145.96	109.36	103.96	104.16	112.36	110.36
MW-3	427560.7	1320596.2	146.13	111.93	106.6	107.23	114.63	112.73
MW-4	425935.6	1321013.3	145.02	134.41	131.77	135.01	135.17	132.87
HCMW-7	428230.4	1320337.6	144.73	107.78	103.03	103.64	110.73	109.18
MW-10[1]	427175.1	1320566	144.99	118.98	111.99	--	--	119.64
MW-14	425602.6	1320388.9	141.70	124.5	116.28	120.03	126.06	121.87
MW-15	427860	1320310.6	142.22	110.02	104.72	105.37	112.72	111.12
MW-16	428006.8	1320325.6	142.91	109.11	104.35	104.71	111.91	110.71
MW-17	427863.6	1320173.9	144.85	109.65	104.95	105.05	112.2	111.05
MW-18	428312.7	1320075.7	142.45	107.15	102.75	102.98	109.8	108.85
MW-22	427395.3	1320573.5	142.75	114.1	109.6	110.53	117.58	115.38
MW-23	427500	1320578.2	143.18	112.64	108.18	109	115.7	113.96
MW-24	427563.9	1320645.1	144.13	111.95	106.58	107.44	114.8	112.71
MW-25	427492.9	1320682	144.98	115.14	112.51	113.72	118.81	116.54
MW-26	427601	1320773	144.75	112.38	106.85	107.98	115.35	112.94
MW-27	427677.9	1320702.8	144.31	111.99	106.55	107.45	114.96	112.72
MW-28	427502.3	1320488.8	142.77	112.17	107.26	108.02	115.05	113.31
MW-29	427637.7	1320503	142.61	111.34	106.1	106.66	113.97	112.21
MW-30	427836.7	1320483.2	142.4	110.49	105.66	105.98	109.55	111.51
MW-31	427715.8	1320294	140.95	110.4	105.4	105.74	112.83	111.60
MW-32	427493.5	1320670.2	145.01	112.24	106.91	107.9	115.15	113.10
MW-33	427577.4	1320602	143.46	111.78	106.51	107.25	114.65	112.62
MW-34	427647.7	1320498.6	142.6	111.29	105.96	106.6	113.9	112.09
MW-35	427726.8	1320608.7	143.89	111.44	106.19	106.89	114.39	112.49
MW-36	427676.1	1320399.4	141.15	111.15	105.77	106.25	113.5	111.95
MW-37[2]	427969.4	1320251.9	141.96	109.36	104.62	104.86	106.96	120.76
MW-38	427653.6	1320491.4	143.28	111.28	106.08	106.55	113.86	112.06
MW-39[3]	427993.1	1320148.9	142.40	108.7	103.97	104.18	111.13	109.89
MW-40	427859.5	1320316.6	142.1	109.4	105.24	104.43	112.77	111.25
MW-41[3]	427968.1	1320255	141.47	108.95	103.45	104.93	110.72	109.51
MW-42	428319.7	1320080.9	142.68	107.04	102.58	102.78	109.57	108.56
MW-43	428757.5	1319841.1	141.51	103.86	99.96	99.96	106.26	105.77

Notes

NM = not measured, groundwater below level of dedicated pump.

NA = not applicable; MW-38 through MW-42 were installed in July 2010 and MW-43 was installed in October 2010.

1 Depth to water at MW-10 not measured in Fourth Quarter 2015 and First Quarter 2016.

2 Suspect measurement at MW-37 in Second Quarter 2016.

3 Casing stick up altered on August 1, 2015 during the installation of iSocs in wells. MW-39 had 0.45' removed and MW-40 had 0.74' removed from the top of the casing.

Table 2. Vertical Groundwater Gradients at Monitoring Well Pairs
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Vertical Groundwater Gradient[1,2]	Well Pair	2/23/2015	9/14/2015	12/7/2015	2/29/2016	6/6/2016
Shallow to Intermediate Zone	MW-25/MW-32	0.1975	0.3815	0.3965	0.2493	0.2343
	MW-3/MW-33	0.0095	0.0057	-0.0013	-0.0013	0.0070
	MW-29/MW-34	0.0028	0.0079	0.0034	0.0040	0.0068
Shallow to Deep Zone	MW-29/MW-38	0.0016	0.0005	0.0030	0.0030	0.0041
	MW-15/MW-40	0.0165	-0.0139	0.0251	-0.0013	-0.0035
Intermediate to Deep Zone	MW-37/MW-41	0.0169	0.0482	-0.0029	-0.1548	0.4632 [3]

Notes

1 Vertical groundwater gradients are dimensionless.

2 Gradients are calculated by shallower aquifer groundwater elevation minus deeper aquifer groundwater elevation divided by the distance between well screen midpoints. Positive values indicate a downward flow direction, while negative values indicate an upward flow direction.

3 Suspect measurement at MW-37 in Second Quarter 2016.

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2008_01LF	BXS-1	BXS-1	1/9/2008	66	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0067 J	0.005 U	0.0035 U	0.0067
2008_03	BXS-1	BXS-1	2/26/2008	54																		
2008_SI	BXS-1	BXS-1	4/30/2008	53	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	BXS-1	BXS-1	7/29/2008	27	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	BXS-1	BXS-1	10/22/2008	26	0.02	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	0.02
2009_SI	BXS-1	BXS-1	2/10/2009	38 J	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	BXS-1	BXS-1	5/6/2009	81	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	BXS-1	BXS-1	8/5/2009	46	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	BXS-1	BXS-1	11/18/2009	94	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.089 U	0.005 U	0.0035 U	ND
2010_02SIPMP	BXS-1	BXS-1	2/10/2010	77	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.003 J	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.057	0.005 U	0.0035 U	0.06
2010_05SIPMP	BXS-1	BXS-1	5/26/2010	92	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0045 J	0.0038 U	0.0026 U	0.039 U	0.009 J	0.0037 J	0.0172
2010_08SIPMP	BXS-1	BXS-1	8/18/2010	85	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.072	0.005 U	0.0035 U	0.072
2010_11SIPMP	BXS-1	BXS-1	11/18/2010	73	0.0057 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.025 U	0.005 U	0.0035 U	0.0057
2011_02SIPMP	BXS-1	BXS-1	2/9/2011	78 J	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0055 J	0.0072 J	0.01 J	0.015 J	0.008 J	0.0041 J	0.0073 J	0.0044 U	0.0038 U	0.0097 J	0.021 U	0.005 U	0.0035 U	0.0668
2011_05SIPMP	BXS-1	BXS-1	5/17/2011	54	0.02 U	0.0044 U	0.0034 U	0.0076 J	0.02 U	0.0077 J	0.02 U	0.02 U	0.02 U	0.0081 J	0.0062 J	0.0044 U	0.0038 U	0.02 U	0.02 U	0.0063 J	0.0035 U	0.0359
2011_08SIPMP	BXS-1	BXS-1	8/24/2011	84	0.0028 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.011 J	0.005 U	0.0035 U	0.0138
2011_11SIPMP	BXS-1	BXS-1	11/3/2011	79	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.066	0.005 U	0.0035 U	0.066
2012_02SIPMP	BXS-1	BXS-1	2/14/2012	78	0.0073 J	0.0057 J	0.02 U	0.0073 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0054 J	0.0056 J	0.02 U	0.031	0.01 J	0.02 U	0.0723
2012_05SIPMP	BXS-1	BXS-1	5/2/2012	68	0.0076 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.026	0.019 U	0.019 U	0.0336
2012_08SIPMP	BXS-1	BXS-1	8/21/2012	70	0.019 U	0.019 U	0.019 U	0.0046 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.01 J	0.019 U	0.019 U	0.0146
2012_11SIPMP	BXS-1	BXS-1	11/13/2012	42 J	0.026 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0063 J	0.019 U	0.024 U	0.011 U	0.019 U	0.0063
2012_11SIPMP	BXS-1	BXS-5	11/13/2012	75 J	0.024 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0051 J	0.019 U	0.013 U	0.01 U	0.019 U	0.0051
2013_02SIPMP	BXS-1	BXS-1	2/12/2013	56 J	0.0052 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0034 J	0.019 U	0.019 U	0.019 U	0.019 U	0.005 J	0.003 J	0.011 J	0.019 U	0.019 U	0.0276
2013_02SIPMP	BXS-1	BXS-5	2/12/2013	60 J	0.0046 J	0.019 U	0.019 U	0.0066 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0044 J	0.019 U	0.0071 J	0.019 U	0.019 U	0.0227
2013_06SIPMP	BXS-1	BXS-1	6/4/2013	69	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0096 J	0.019 U	0.019 U	0.0096
2013_06SIPMP	BXS-1	BXS-5	6/4/2013	67	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.028	0.02 U	0.02 U	0.028
2013_08SIPMP	BXS-1	BXS-1	8/27/2013	51	0.0049 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0055 U	0.0026 U	0.14	0.005 U	0.0053 U	0.14
2013_08SIPMP	BXS-1	BXS-5	8/27/2013	45	0.0045 U	0.0044 U	0.0034 U	0.0099 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0055 U	0.0026 U	0.13	0.005 U	0.0053 U	0.13
2013_12SIPMP	BXS-1	BXS-1	12/2/2013	57	0.0029 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.042 U	0.02 U	0.02 U	ND
2013_12SIPMP	BXS-1	BXS-5	12/2/2013	58	0.0031 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.058 U	0.02 U	0.02 U	ND
2014_03SIPMP	BXS-1	BXS-1	3/17/2014	72	0.0089 U	0.015 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.025 U	0.019 U	0.019 U	0.015
2014_03SIPMP	BXS-1	BXS-5	3/17/2014	73	0.0047 U	0.0099 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.041 U	0.019 U	0.019 U	0.0099
2014_06SIPMP	BXS-1	BXS-1	6/2/2014	67	0.019 U	0.019 U	0.019 U	0.0099 J	0.0048 J	0.019 U	0.019 U	0.0069 J	0.019 U	0.0036 J	0.0033 J	0.019 U	0.019 U	0.0045 J	0.029 U	0.019 U	0.019 U	0.033
2014_06SIPMP	BXS-1	BXS-5	6/2/2014	59	0.019 U	0.019 U	0.019 U	0.0096 J	0.0038 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.0134
2014_09SIPMP	BXS-1	BXS-1	9/29/2014	49	0.02 U	0.02 U	0.02 U	0.0082 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.013 J	0.02 U	0.02 U	0.0212
2014_09SIPMP	BXS-1	BXS-5	9/29/2014	43	0.0024 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 J	0.019 U	0.019 U	0.0214
2014_11SIPMP	BXS-1	BXS-1	11/17/2014	40	0.019	0.019 U	0.019 U	0.0072 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0072 J
2014_11SIPMP	BXS-1	BXS-5	11/17/2014	50	0.019 U	0.019 UJ	0.019 U	0.0083 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0055 J	0.019 U	0.036 U	0.019 U	0.019 U	0.0138 J
2015_02SIPMP	BXS-1	BXS-1	2/23/2015	56	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2015_02SIPMP	BXS-1	BXS-5	2/23/2015	43 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2015_09SIPMP	BXS-1	BXS-1	9/14/2015	82	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.022 U	0.019 U	0.019 U	ND
2015_09SIPMP	BXS-1	BXS-5	9/14/2015	91	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.022 U	0.019 U	0.019 U	ND
2015_12SIPMP	BXS-1	BXS-1	12/7/2015	83	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.030 U	0.020 U	0.020 U	ND
2015_12SIPMP	BXS-1	BXS-5	12/7/2015	84	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	ND
2016_02SIPMP	BXS-1	BXS-1	2/29/2016	64	0.019 U	0.019 U	0.019 U	0.0079 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0095 J	0.019 U	0.0174 J
2016_02SIPMP	BXS-1	BXS-5	2/29/2016	64	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2016_06SIPMP	BXS-1	BXS-1	6/6/2016	60	0.009 J	0.019 U	0.019 U	0.048 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.049 U	0.076 U	0.019 U	0.009 J
2016_06SIPMP	BXS-1	BXS-5	6/6/2016	59	0.0096 J	0.019 U	0.019 U	0.048 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.050 U	0.076 U	0.019 U	0.0096 J
2008_01LF	BXS-2	BXS-2	1/9/2008	0.08 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.005 J	0.005 U	0.0035 U	0.005
2008_SI	BXS-2	BXS-2	4/30/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	BXS-2	BXS-2	7/30/2008	0.08 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	BXS-2	BXS-2	10/22/2008	0.08 U	0.0095 J	0.0044 U	0.0034 U	0.0036 U	0.012 J	0.0084 J	0.011 J	0.02 U	0.011 J	0.011 J	0.0085 J	0.0044 U	0.0038 U	0.02 U	0.02 U	0.005 U	0.0035 U	0.0714
2009_SI	BXS-2	BXS-2	2/10/2009	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	BXS-2	BXS-2	5/6/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0042 J	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.024 U	0.005 U	0.0035 U	0.0042
2009_SI	BXS-2	BXS-2	8/5/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.037 U	0.005 U	0.0035 U	ND
2009_SI	BXS-2	BXS-2	11/18/2009	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.089 U	0.005 U	0.0035 U	ND
2010_02SIPMP	BXS-2	BXS-2	2/10/2010	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.044	0.005 U	0.013 J	0.057
2010_05SIPMP	BXS-2	BXS-2	5/26/2010	0.07 U	0.02 U	0.0097 J	0.0072 J	0.0075 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0091 J	0.015 J	0.0026 U	0.022 U	0.034	0.0047 J	0.0872
2010_08SIPMP	BXS-2	BXS-2	8/18/2010	0.07 U	0.0023 U	0.0044 U	0.0046 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.051	0.005 U	0.0074 J	0.063

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2010_11SIPMP	BXS-2	BXS-2	11/18/2010	0.07 U	0.0025 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.026 U	0.005 U	0.0035 U	0.0025
2011_02SIPMP	BXS-2	BXS-2	2/9/2011	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_05SIPMP	BXS-2	BXS-2	5/17/2011	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0057 J	0.02 U	0.0043 U	0.02 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.0057
2011_08SIPMP	BXS-2	BXS-2	8/24/2011	0.07 U	0.0038 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0054 J	0.0026 U	0.011 J	0.005 U	0.0035 U	0.0202
2011_11SIPMP	BXS-2	BXS-2	11/3/2011	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.005 J	0.0026 U	0.037	0.005 U	0.0035 U	0.042
2012_02SIPMP	BXS-2	BXS-2	2/14/2012	87 U	0.006 J	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.006 J	0.02 U	0.037	0.02 U	0.02 U	0.049
2012_05SIPMP	BXS-2	BXS-2	5/2/2012	0.5 U	0.0086 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.13	0.019 U	0.019 U	0.1386
2012_08SIPMP	BXS-2	BXS-2	8/21/2012	0.5 U	0.0039 J	0.021 U	0.021 U	0.0066 J	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.0066 J	0.021 U	0.075	0.021 U	0.021 U	0.0921
2012_11SIPMP	BXS-2	BXS-2	11/13/2012	0.5 U	0.022 U	0.019 U	0.019 U	0.0041 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0088 J	0.019 U	0.035 U	0.013 U	0.019 U	0.0129
2013_02SIPMP	BXS-2	BXS-2	2/12/2013	0.5 U	0.0065 J	0.019 U	0.019 U	0.0067 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0055 J	0.019 U	0.014 J	0.019 U	0.01 J	0.0427
2013_06SIPMP	BXS-2	BXS-2	6/4/2013	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.029	0.019 U	0.019 U	0.029
2013_08SIPMP	BXS-2	BXS-2	8/27/2013	0.16 U	0.0073 U	0.0067 U	0.01 J	0.0036 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0049 U	0.0026 U	0.15	0.005 U	0.0079 J	0.1679
2013_12SIPMP	BXS-2	BXS-2	12/2/2013	0.5 U	0.0042 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.057 U	0.019 U	0.019 U	ND
2014_03SIPMP	BXS-2	BXS-2	3/17/2014	0.5 U	0.0094 U	0.01 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.025 U	0.02 U	0.02 U	0.01
2014_06SIPMP	BXS-2	BXS-2	6/2/2014	0.5 U	0.02 U	0.02 U	0.0093 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.044 U	0.02 U	0.02 U	0.0093
2014_09SIPMP	BXS-2	BXS-2	9/29/2014	0.5 U	0.02 U	0.02 U	0.02 U	0.011 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 J	0.02 U	0.02 U	0.031
2014_11SIPMP	BXS-2	BXS-2	11/17/2014	0.5 U	0.019 U	0.0059 NJ	0.019 U	0.0074 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.045 U	0.019 U	0.019 U	0.0133 J
2015_02SIPMP	BXS-2	BXS-2	2/23/2015	0.5 U	0.0029 J	0.009 NJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	0.0119 J
2015_09SIPMP	BXS-2	BXS-2	9/14/2015	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U	0.02 U	0.02 U	ND
2015_12SIPMP	BXS-2	BXS-2	12/7/2015	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	ND
2016_02SIPMP	BXS-2	BXS-2	2/29/2016	0.5 U	0.02 U	0.02 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.02 U	0.020 U	0.020 U	ND
2016_06SIPMP	BXS-2	BXS-2	6/6/2016	1.3 U	0.0072 J	0.019 U	0.019 U	0.048 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.033 U	0.076 U	0.019 U	0.0072 J
2012_05SIPMP	BXS-3	BXS-3	5/2/2012	0.5 U	0.003 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.044	0.019 U	0.019 U	0.0469
2012_05SIPMP	BXS-4	BXS-4	5/2/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.034	0.019 U	0.019 U	0.034
2008_01	EW1-EW7	0130-COMP	1/30/2008	130																		
2008_03	EW1-EW7	EW1-7 COMP	2/27/2008	270																		
2008_SI	EW1-EW7	EW 1-7 Comp.	4/29/2008	240																		
2008_SI	EW1-EW7	Extra Well 1-7	7/29/2008	230																		
2008_SI	EW1-EW7	EW 1-7	10/22/2008	170																		
2009_SI	EW1-EW7	EW 1-7	2/11/2009	210																		
2009_SI	EW1-EW7	EW 1-7	5/7/2009	210																		
2015_09SIPMP	HCMW-5	HCMW-5	9/14/2015	0.50 U																		
2015_09SIPMP	HCMW-6	HCMW-6	9/14/2015	0.50 U																		
2008_SI	HCMW-7	HCMW-7	10/20/2008	0.08 U	0.02	0.009 J	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.012 J	0.0092 J	0.0026 U	0.03	0.025	0.0083 J	0.1135
2009_SI	HCMW-7	HCMW-7	2/11/2009	0.16 U																		
2009_SI	HCMW-7	HCMW-7	5/4/2009	0.16 U																		
2009_SI	HCMW-7	HCMW-7	8/3/2009	0.16 U																		
2009_SI	HCMW-7	HCMW-7	11/16/2009	0.16 U																		
2010_02SIPMP	HCMW-7	HCMW-7	2/8/2010	0.16 U																		
2010_05SIPMP	HCMW-7	HCMW-7	5/24/2010	0.07 U																		
2010_08SIPMP	HCMW-7	HCMW-7	8/16/2010	0.07 U																		
2010_11SIPMP	HCMW-7	HCMW-7	11/15/2010	0.07 U																		
2011_02SIPMP	HCMW-7	HCMW-7	2/7/2011	0.07 U																		
2011_05SIPMP	HCMW-7	HCMW-7	5/16/2011	0.07 U																		
2011_08SIPMP	HCMW-7	HCMW-7	8/23/2011	0.12 J																		
2011_11SIPMP	HCMW-7	HCMW-7	11/2/2011	0.07 U																		
2012_02SIPMP	HCMW-7	HCMW-7	2/13/2012	0.2 U																		
2012_05SIPMP	HCMW-7	HCMW-7	5/1/2012	0.5 U																		
2012_08SIPMP	HCMW-7	HCMW-7	8/20/2012	0.5 U																		
2012_11SIPMP	HCMW-7	HCMW-7	11/12/2012	0.5 U																		
2013_02SIPMP	HCMW-7	HCMW-7	2/11/2013	0.5 U																		
2013_06SIPMP	HCMW-7	HCMW-7	6/3/2013	0.5 U																		
2013_08SIPMP	HCMW-7	HCMW-7	8/26/2013	0.17 U																		
2013_12SIPMP	HCMW-7	HCMW-7	12/2/2013	0.5 U																		
2014_03SIPMP	HCMW-7	HCMW-7	3/17/2014	0.21 N																		
2014_06SIPMP	HCMW-7	HCMW-7	6/2/2014	NA																		
2014_09SIPMP	HCMW-7	HCMW-7	9/29/2014	0.5 U																		
2014_11SIPMP	HCMW-7	HCMW-7	11/17/2014	0.5 U																		
2015_02SIPMP	HCMW-7	HCMW-7	2/23/2015	0.3 J																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2015_09SIPMP	HCMW-7	HCMW-7	9/14/2015	0.5 U																		
2015_12SIPMP	HCMW-7	HCMW-7	12/7/2015	0.5 U																		
2016_02SIPMP	HCMW-7	HCMW-7	2/29/2016	0.5 U																		
2016_06SIPMP	HCMW-7	HCMW-7	6/6/2016	1.3 U																		
2015_09SIPMP	MW-1	MW-1	9/14/2015	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0042 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.022 U	0.019 U	0.019 U	0.0042 J
2008_SI	MW-10	MW-10	4/29/2008	0.08 U																		
2008_SI	MW-10	MW-10	7/29/2008	0.08 U																		
2015_09SIPMP	MW-10	MW-10	9/14/2015	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.022 U	0.019 U	0.019 U	ND
2015_09SIPMP	MW-14	MW-14	9/14/2015	0.50 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.022 U	0.019 U	0.019 U	ND
2008_01	MW-15	MW-15	1/8/2008	200	0.013 J	0.0044 U	0.0081 J	0.0086 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.41	0.005 U	0.0035 U	0.4397
2008_SI	MW-15	MW-15	4/29/2008	200	0.019 U	0.0044 U	0.0087 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.52	0.005 U	0.0035 U	0.5287
2008_SI	MW-15	MW-15	7/29/2008	190	0.019 U	0.0044 U	0.0076 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.44	0.005 U	0.0035 U	0.4476
2008_SI	MW-15	MW-15	10/21/2008	230	0.019 U	0.0044 U	0.01 J	0.01 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.5	0.005 U	0.0035 U	0.52
2009_SI	MW-15	MW-15	2/10/2009	190	0.019 U	0.0055 J	0.0084 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.49	0.005 U	0.0035 U	0.5039
2009_SI	MW-15	MW-15	5/5/2009	98	0.02 U	0.0044 U	0.0055 J	0.0054 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.3	0.005 U	0.0035 U	0.3109
2009_SI	MW-15	MW-15	8/4/2009	95	0.0023 U	0.0044 U	0.0039 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.0039
2009_SI	MW-15	MW-15	11/17/2009	64	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-15	MW-15	2/8/2010	33	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.045	0.005 U	0.0035 U	0.045
2010_05SIPMP	MW-15	MW-15	5/24/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0045 J	0.005 U	0.0036 J	0.0081
2010_08SIPMP	MW-15	MW-15	8/17/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0043 J	0.005 U	0.0035 U	0.0043
2010_11SIPMP	MW-15	MW-15	11/16/2010	0.097 J	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.035 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-15	MW-15	2/8/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-15	MW-15	5/16/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.037 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-15	MW-15	8/23/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-15	MW-15	11/2/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-15	MW-15	2/13/2012	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.043	0.02 U	0.02 U	0.043
2012_05SIPMP	MW-15	MW-15	4/30/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.004 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.036	0.019 U	0.019 U	0.04
2012_08SIPMP	MW-15	MW-15	8/19/2012	0.49 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.091	0.02 U	0.02 U	0.091
2012_11SIPMP	MW-15	MW-15	11/11/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0058 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-15	MW-15	2/11/2013	0.5 U	0.019 U	0.019 U	0.019 U	0.0038 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.012 J	0.019 U	0.019 U	0.0158
2013_06SIPMP	MW-15	MW-15	6/3/2013	0.63	0.0027 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04 U	0.02 U	0.02 U	ND
2013_08SIPMP	MW-15	MW-15	8/26/2013	0.51 N	0.0023 U	0.0044 U	0.0034 U	0.004 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.061	0.005 U	0.0053 U	0.061
2013_12SIPMP	MW-15	MW-15	12/2/2013	0.5 U	0.0045 U	0.019 U	0.019 U	0.0077 J	0.0042 U	0.019 U	0.019 U	0.0051 J	0.019 U	0.019 U	0.004 J	0.019 U	0.019 U	0.019 U	0.073 U	0.009 U	0.019 U	0.0168
2014_03SIPMP	MW-15	MW-15	3/17/2014	1.3	U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.024 U	0.019 U	0.019 U	ND
2014_06SIPMP	MW-15	MW-15	6/2/2014	3.1	0.019 U	0.019 U	0.019 U	0.0051 J	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UJ	0.036 U	0.019 U	0.019 U	0.0051
2014_09SIPMP	MW-15	MW-15	9/29/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.02	0.019 U	0.019 U	0.02
2014_11SIPMP	MW-15	MW-15	11/17/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2015_02SIPMP	MW-15	MW-15	2/23/2015	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2015_09SIPMP	MW-15	MW-15	9/14/2015	1.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0082 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0044 J	0.022 U	0.019 U	0.019 U	0.0126 J
2015_12SIPMP	MW-15	MW-15	12/6/2015	1.7	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2016_02SIPMP	MW-15	MW-15	2/29/2016	2.6	0.019 U	0.019 U	0.019 U	0.019 U	0.0029 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0029 J
2016_06SIPMP	MW-15	MW-15	6/6/2016	2.9 U	0.019 U	0.0059 J	0.019 U	0.048 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.049 U	0.076 U	0.019 U	0.0059 J
2008_01	MW-16	MW-16	1/8/2008	0.08 U	0.0029 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.0072
2008_SI	MW-16	MW-16	4/29/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2008_SI	MW-16	MW-16	7/29/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2008_SI	MW-16	MW-16	10/20/2008	7.3	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.0067 J	0.0035 U	0.0108
2009_SI	MW-16	MW-16	2/10/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2009_SI	MW-16	MW-16	5/4/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2009_SI	MW-16	MW-16	8/4/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2009_SI	MW-16	MW-16	11/16/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-16	MW-16	2/8/2010	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.043
2010_05SIPMP	MW-16	MW-16	5/24/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.036
2010_08SIPMP	MW-16	MW-16	8/17/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.019
2010_11SIPMP	MW-16	MW-16	11/16/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-16	MW-16	2/7/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-16	MW-16	5/16/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-16	MW-16	8/23/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-16	MW-16	11/1/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-16	MW-16	2/13/2012	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.048

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2012_05SIPMP	MW-16	MW-16	4/30/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.014
2012_08SIPMP	MW-16	MW-16	8/19/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.004
2012_11SIPMP	MW-16	MW-16	11/12/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-16	MW-16	2/10/2013	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.0097
2013_06SIPMP	MW-16	MW-16	6/2/2013	0.5 U	0.0031 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.043
2013_08SIPMP	MW-16	MW-16	8/26/2013	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0053 U	0.13
2013_12SIPMP	MW-16	MW-16	12/2/2013	0.5 U	0.0031 U	0.019 U	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.0067 U	0.019 U	ND
2014_03SIPMP	MW-16	MW-16	3/17/2014	0.17 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2014_06SIPMP	MW-16	MW-16	6/1/2014	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0029 J	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.03 U	0.02 U	0.02 U	0.0229
2014_09SIPMP	MW-16	MW-16	9/28/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0028 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.0198
2014_11SIPMP	MW-16	MW-16	11/17/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2015_02SIPMP	MW-16	MW-16	2/23/2015	0.46 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2015_09SIPMP	MW-16	MW-16	9/14/2015	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2015_12SIPMP	MW-16	MW-16	12/6/2015	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2016_02SIPMP	MW-16	MW-16	2/29/2016	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0029 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0029 J
2016_06SIPMP	MW-16	MW-16	6/5/2016	1.3 U	0.019 U	0.019 U	0.019 U	0.048 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.049 U	0.076 U	0.019 U	ND
2008_01	MW-17	MW-17	1/8/2008	0.08 U	0.0043 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.0079
2008_SI	MW-17	MW-17	4/29/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2008_SI	MW-17	MW-17	7/28/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2008_SI	MW-17	MW-17	10/21/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2009_SI	MW-17	MW-17	2/9/2009	0.16 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2009_SI	MW-17	MW-17	5/5/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2009_SI	MW-17	MW-17	8/3/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2009_SI	MW-17	MW-17	11/17/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-17	MW-17	2/8/2010	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.05
2010_05SIPMP	MW-17	MW-17	5/24/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.0059 U	0.0039 J	0.0399
2010_08SIPMP	MW-17	MW-17	8/16/2010	0.07 U	0.0031 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.0031
2010_11SIPMP	MW-17	MW-17	11/16/2010	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-17	MW-17	2/8/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-17	MW-17	5/16/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-17	MW-17	8/23/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-17	MW-17	11/2/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-17	MW-17	2/12/2012	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.045
2012_05SIPMP	MW-17	MW-17	4/30/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.019
2012_08SIPMP	MW-17	MW-17	8/19/2012	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.074
2012_11SIPMP	MW-17	MW-17	11/11/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-17	MW-17	2/10/2013	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.0075
2013_06SIPMP	MW-17	MW-17	6/3/2013		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	ND
2013_08SIPMP	MW-17	MW-17	8/26/2013	0.16 U	0.0027 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0053 U	0.12
2013_12SIPMP	MW-17	MW-17	12/2/2013	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0033 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.0057 U	0.019 U	ND
2014_03SIPMP	MW-17	MW-17	3/17/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2014_06SIPMP	MW-17	MW-17	6/1/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UJ	0.03 U	0.019 U	0.019 U	0.044
2014_09SIPMP	MW-17	MW-17	9/28/2014	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.021
2014_11SIPMP	MW-17	MW-17	11/17/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2015_02SIPMP	MW-17	MW-17	2/23/2015	0.35 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2015_09SIPMP	MW-17	MW-17	9/13/2015	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2015_12SIPMP	MW-17	MW-17	12/6/2015	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	ND
2016_02SIPMP	MW-17	MW-17	2/28/2016	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2016_06SIPMP	MW-17	MW-17	6/5/2016	1.3 U	0.019 U	0.019 U	0.019 U	0.048 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.049 U	0.076 U	0.019 U	ND
2008_01	MW-18	MW-18	1/7/2008	0.08 U	0.0023 U	0.0049 J	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.0084
2008_SI	MW-18	MW-18	4/28/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2008_SI	MW-18	MW-18	7/28/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2008_SI	MW-18	MW-18	10/20/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.0033
2009_SI	MW-18	MW-18	2/10/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2009_SI	MW-18	MW-18	5/4/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2009_SI	MW-18	MW-18	8/3/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2009_SI	MW-18	MW-18	11/18/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-18	MW-18	2/8/2010	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0071 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2010_05SIPMP	MW-18	MW-18	5/24/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	0.034

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2010_08SIPMP	MW-18	MW-18	8/16/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2010_11SIPMP	MW-18	MW-18	11/15/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-18	MW-18	2/7/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-18	MW-18	5/16/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-18	MW-18	8/23/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-18	MW-18	11/2/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-18	MW-18	2/13/2012	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.044
2012_05SIPMP	MW-18	MW-18	5/1/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.13
2012_08SIPMP	MW-18	MW-18	8/20/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.036
2012_11SIPMP	MW-18	MW-18	11/12/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-18	MW-18	2/11/2013	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.021
2013_06SIPMP	MW-18	MW-18	6/3/2013	0.5 U	0.0045 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	ND
2013_08SIPMP	MW-18	MW-18	8/26/2013	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0053 U	0.1
2013_12SIPMP	MW-18	MW-18	12/2/2013	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.0061 U	0.019 U	ND
2014_03SIPMP	MW-18	MW-18	3/17/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2014_06SIPMP	MW-18	MW-18	6/2/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UJ	0.03 U	0.019 U	0.019 U	ND
2014_09SIPMP	MW-18	MW-18	9/28/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.015
2014_11SIPMP	MW-18	MW-18	11/17/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2015_02SIPMP	MW-18	MW-18	2/23/2015	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2015_09SIPMP	MW-18	MW-18	9/14/2015	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2015_12SIPMP	MW-18	MW-18	12/7/2015	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2016_02SIPMP	MW-18	MW-18	2/29/2016	0.5 U	0.031	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0041 J	0.019 U	0.019 U	0.0056 J	0.019 U	0.0407 J
2016_06SIPMP	MW-18	MW-18	6/6/2016	1.3 U	0.019 U	0.019 U	0.019 U	0.048 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.049 U	0.076 U	0.019 U	ND
2008_01	MW-2	MW-2	1/8/2008	0.08 U	0.0091 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.006 J	0.005 U	0.0035 U	0.0151
2008_SI	MW-2	MW-2	4/29/2008	0.08 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	MW-2	MW-2	7/29/2008	0.08 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	MW-2	MW-2	10/21/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0048 J	0.0038 U	0.0026 U	0.019 U	0.019 U	0.0035 U	0.0048
2009_SI	MW-2	MW-2	2/10/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2009_SI	MW-2	MW-2	5/5/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	MW-2	MW-2	8/4/2009	0.16 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-2	MW-2	11/17/2009	0.16 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.072 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-2	MW-2	2/9/2010	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.047	0.005 U	0.0035 U	0.047
2010_05SIPMP	MW-2	MW-2	5/25/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.036 U	0.005 U	0.0035 U	ND
2010_08SIPMP	MW-2	MW-2	8/17/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2010_11SIPMP	MW-2	MW-2	11/17/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.036 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-2	MW-2	2/8/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-2	MW-2	5/16/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0045 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.033 U	0.005 U	0.0035 U	0.0045
2011_08SIPMP	MW-2	MW-2	8/23/2011	0.07 U	0.02 U	0.0044 U	0.0034 U	0.012 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	0.012
2011_11SIPMP	MW-2	MW-2	11/2/2011	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0045 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.046 U	0.005 U	0.0035 U	0.0045
2012_02SIPMP	MW-2	MW-2	2/13/2012	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.023	0.02 U	0.02 U	0.043
2012_05SIPMP	MW-2	MW-2	4/30/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.032	0.019 U	0.019 U	0.032
2012_08SIPMP	MW-2	MW-2	8/20/2012	0.5 U	0.021 U	0.021 U	0.021 U	0.0058 J	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.099	0.021 U	0.021 U	0.1048
2012_11SIPMP	MW-2	MW-2	11/12/2012	0.5 U	0.025	0.02 U	0.02 U	0.0055 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.004 J	0.02 U	0.0059 U	0.0086 U	0.02 U	0.0345
2013_02SIPMP	MW-2	MW-2	2/11/2013	0.5 U	0.0063 J	0.019 U	0.019 U	0.0044 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.013 J	0.019 U	0.019 U	0.0237
2013_06SIPMP	MW-2	MW-2	6/3/2013	0.5 U	0.0029 U	0.02 U	0.02 U	0.015 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.025 U	0.02 U	0.02 U	0.015
2013_08SIPMP	MW-2	MW-2	8/26/2013	0.16 U	0.013 U	0.0044 U	0.0034 U	0.013 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.097	0.005 U	0.0053 U	0.097
2013_12SIPMP	MW-2	MW-2	12/2/2013	0.5 U	0.0044 U	0.019 U	0.019 U	0.0072 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.08 U	0.0068 U	0.019 U	0.0072
2014_03SIPMP	MW-2	MW-2	3/16/2014	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.023	0.02 U	0.02 U	0.023
2014_06SIPMP	MW-2	MW-2	6/1/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.0055 J	0.005 J	0.019 U	0.019 U	0.019 UJ	0.0044 J	0.0056 J	0.012 J	0.019 U	0.019 U	0.0049 J	0.013 J	0.019 U	0.019 U	0.0504
2014_09SIPMP	MW-2	MW-2	9/28/2014	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0026 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.018 J	0.02 U	0.02 U	0.0206
2014_11SIPMP	MW-2	MW-2	11/16/2014	0.5 U	0.0026 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0026 J
2015_02SIPMP	MW-2	MW-2	2/23/2015	0.19 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2015_09SIPMP	MW-2	MW-2	9/13/2015	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U	0.02 U	0.02 U	ND
2015_12SIPMP	MW-2	MW-2	12/6/2015	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2016_02SIPMP	MW-2	MW-2	2/28/2016	0.5 U	0.019 U	0.019 U	0.019 U	0.0062 J	0.0027 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0089 J
2016_06SIPMP	MW-2	MW-2	6/5/2016	1.3 U	0.019 U	0.019 U	0.019 U	0.048 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.049 U	0.076 U	0.019 U	ND
2008_01	MW-22	MW-22	1/10/2008	130																		
2008_03	MW-22	MW-22	2/27/2008	72																		
2008_SI	MW-22	MW-22	4/29/2008	92																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2008_SI	MW-22	MW-22	7/29/2008	32																		
2008_SI	MW-22	MW-22	10/21/2008	15																		
2009_SI	MW-22	MW-22	2/11/2009	5.5																		
2009_SI	MW-22	MW-22	5/5/2009	3.6																		
2009_SI	MW-22	MW-22	8/4/2009	4.4																		
2009_SI	MW-22	MW-22	11/17/2009	5.4																		
2010_02SIPMP	MW-22	MW-22	2/9/2010	3.9																		
2010_05SIPMP	MW-22	MW-22	5/25/2010	13																		
2010_08SIPMP	MW-22	MW-22	8/18/2010	51 J																		
2010_11SIPMP	MW-22	MW-22	11/17/2010	98																		
2011_02SIPMP	MW-22	MW-22	2/9/2011	130																		
2011_05SIPMP	MW-22	MW-22	5/17/2011	150																		
2011_08SIPMP	MW-22	MW-22	8/23/2011	220																		
2011_11SIPMP	MW-22	MW-22	11/2/2011	230																		
2012_02SIPMP	MW-22	MW-22	2/13/2012	300																		
2012_05SIPMP	MW-22	MW-22	4/30/2012	280																		
2012_08SIPMP	MW-22	MW-22	8/20/2012	280																		
2012_11SIPMP	MW-22	MW-22	11/12/2012	250																		
2013_02SIPMP	MW-22	MW-22	2/11/2013	180 J																		
2013_06SIPMP	MW-22	MW-22	6/3/2013	160																		
2013_08SIPMP	MW-22	MW-22	8/25/2013	130																		
2013_12SIPMP	MW-22	MW-22	12/2/2013	130																		
2014_03SIPMP	MW-22	MW-22	3/17/2014	94																		
2014_06SIPMP	MW-22	MW-22	6/1/2014	73																		
2014_09SIPMP	MW-22	MW-22	9/28/2014	140																		
2014_11SIPMP	MW-22	MW-22	11/16/2014	120																		
2015_02SIPMP	MW-22	MW-22	2/23/2015	240																		
2015_09SIPMP	MW-22	MW-22	9/13/2015	380																		
2015_12SIPMP	MW-22	MW-22	12/6/2015	37																		
2016_02SIPMP	MW-22	MW-22	2/28/2016	130																		
2016_06SIPMP	MW-22	MW-22	6/6/2016	81																		
2008_01	MW-23	MW-23	1/10/2008	500																		
2008_03	MW-23	MW-23	2/27/2008	450																		
2008_SI	MW-23	MW-23	4/29/2008	210																		
2008_SI	MW-23	MW-23	7/29/2008	210																		
2008_SI	MW-23	MW-23	10/21/2008	63																		
2009_SI	MW-23	MW-23	2/11/2009	170																		
2009_SI	MW-23	MW-23	5/5/2009	140																		
2009_SI	MW-23	MW-23	8/4/2009	70																		
2009_SI	MW-23	MW-23	11/17/2009	8.6																		
2010_02SIPMP	MW-23	MW-23	2/9/2010	85																		
2010_05SIPMP	MW-23	MW-23	5/25/2010	150																		
2010_08SIPMP	MW-23	MW-23	8/18/2010	210																		
2010_11SIPMP	MW-23	MW-23	11/17/2010	210																		
2011_02SIPMP	MW-23	MW-23	2/8/2011	340																		
2011_05SIPMP	MW-23	MW-23	5/17/2011	380																		
2011_08SIPMP	MW-23	MW-23	8/23/2011	410																		
2011_11SIPMP	MW-23	MW-23	11/2/2011	400																		
2012_02SIPMP	MW-23	MW-23	2/13/2012	620																		
2012_05SIPMP	MW-23	MW-23	4/30/2012	580																		
2012_08SIPMP	MW-23	MW-23	8/20/2012	450																		
2012_11SIPMP	MW-23	MW-23	11/12/2012	400																		
2013_02SIPMP	MW-23	MW-23	2/11/2013	420 J																		
2013_06SIPMP	MW-23	MW-23	6/3/2013	440																		
2013_08SIPMP	MW-23	MW-23	8/25/2013	470																		
2013_12SIPMP	MW-23	MW-23	12/1/2013	320																		
2013_12SIPMP	MW-23	MW-44	12/1/2013	350																		
2014_03SIPMP	MW-23	MW-23	3/17/2014	350																		
2014_06SIPMP	MW-23	MW-23	6/1/2014	300																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2014_09SIPMP	MW-23	MW-23	9/28/2014	230																		
2014_11SIPMP	MW-23	MW-23	11/16/2014	200																		
2015_02SIPMP	MW-23	MW-23	2/23/2015	270																		
2015_09SIPMP	MW-23	MW-23	9/13/2015	110																		
2015_12SIPMP	MW-23	MW-23	12/6/2015	84																		
2016_02SIPMP	MW-23	MW-23	2/28/2016	100																		
2016_06SIPMP	MW-23	MW-23	6/5/2016	110																		
2008_01	MW-24	MW-24	1/10/2008	180																		
2008_03	MW-24	MW-24	2/27/2008	96																		
2008_SI	MW-24	MW-24	4/29/2008	0.08 U																		
2008_SI	MW-24	MW-24	7/29/2008	0.08 U																		
2008_SI	MW-24	MW-24	10/21/2008	2.2																		
2009_SI	MW-24	MW-24	2/11/2009	0.16 U																		
2009_SI	MW-24	MW-24	5/5/2009	0.16 U																		
2009_SI	MW-24	MW-24	8/4/2009	0.35																		
2009_SI	MW-24	MW-24	11/17/2009	0.36 J																		
2010_02SIPMP	MW-24	MW-24	2/9/2010	3.3																		
2010_05SIPMP	MW-24	MW-24	5/25/2010	0.17 J																		
2010_08SIPMP	MW-24	MW-24	8/17/2010	0.14 J																		
2010_11SIPMP	MW-24	MW-24	11/17/2010	0.27 J																		
2011_02SIPMP	MW-24	MW-24	2/9/2011	2.8																		
2011_05SIPMP	MW-24	MW-24	5/17/2011	13																		
2011_08SIPMP	MW-24	MW-24	8/23/2011	70																		
2011_11SIPMP	MW-24	MW-24	11/2/2011	5.6																		
2012_02SIPMP	MW-24	MW-24	2/14/2012	58																		
2012_05SIPMP	MW-24	MW-24	4/30/2012	380																		
2012_08SIPMP	MW-24	MW-24	8/20/2012	170																		
2012_11SIPMP	MW-24	MW-24	11/12/2012	0.5 U																		
2013_02SIPMP	MW-24	MW-24	2/11/2013	230 J																		
2013_02SIPMP	MW-24	MW-44	2/11/2013	280 J																		
2013_06SIPMP	MW-24	MW-24	6/3/2013	540																		
2013_06SIPMP	MW-24	MW-44	6/3/2013	480																		
2013_08SIPMP	MW-24	MW-24	8/25/2013	95																		
2013_08SIPMP	MW-24	MW-44	8/25/2013	87																		
2013_12SIPMP	MW-24	MW-24	12/1/2013	230																		
2014_03SIPMP	MW-24	MW-24	3/16/2014	0.5 U																		
2014_06SIPMP	MW-24	MW-24	6/1/2014	64																		
2014_09SIPMP	MW-24	MW-24	9/28/2014	280																		
2014_11SIPMP	MW-24	MW-24	11/16/2014	68																		
2014_11SIPMP	MW-24	MW-45	11/16/2014	65																		
2015_02SIPMP	MW-24	MW-24	2/23/2015	2.7																		
2015_09SIPMP	MW-24	MW-24	9/13/2015	87																		
2015_12SIPMP	MW-24	MW-24	12/6/2015	60																		
2016_02SIPMP	MW-24	MW-24	2/28/2016	210																		
2016_02SIPMP	MW-24	MW-44	2/28/2016	200																		
2016_06SIPMP	MW-24	MW-24	6/5/2016	96																		
2008_01	MW-25	MW-25	1/10/2008	230																		
2008_03	MW-25	MW-25	2/27/2008	550																		
2008_SI	MW-25	MW-25	4/29/2008	240																		
2008_SI	MW-25	MW-25	7/29/2008	84																		
2008_SI	MW-25	MW-25	10/21/2008	57																		
2009_SI	MW-25	MW-25	2/11/2009	30																		
2009_SI	MW-25	MW-25	5/5/2009	28																		
2009_SI	MW-25	MW-25	8/4/2009	20																		
2009_SI	MW-25	MW-25	11/17/2009	15																		
2010_02SIPMP	MW-25	MW-25	2/9/2010	41																		
2010_05SIPMP	MW-25	MW-25	5/25/2010	36																		
2010_08SIPMP	MW-25	MW-25	8/18/2010	37																		
2010_11SIPMP	MW-25	MW-25	11/17/2010	16																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2011_02SIPMP	MW-25	MW-25	2/9/2011	53																		
2011_05SIPMP	MW-25	MW-25	5/17/2011	3200																		
2011_08SIPMP	MW-25	MW-25	8/23/2011	470																		
2011_11SIPMP	MW-25	MW-25	11/3/2011	310																		
2012_02SIPMP	MW-25	MW-25	2/14/2012	390																		
2012_05SIPMP	MW-25	MW-25	4/30/2012	2800																		
2012_08SIPMP	MW-25	MW-25	8/20/2012	810																		
2012_11SIPMP	MW-25	MW-25	11/12/2012	430																		
2013_02SIPMP	MW-25	MW-25	2/11/2013	1700 J																		
2013_06SIPMP	MW-25	MW-25	6/3/2013	2100																		
2013_08SIPMP	MW-25	MW-25	8/25/2013	670																		
2013_12SIPMP	MW-25	MW-25	12/1/2013	430																		
2014_03SIPMP	MW-25	MW-25	3/16/2014	310																		
2014_06SIPMP	MW-25	MW-25	6/1/2014	280																		
2014_09SIPMP	MW-25	MW-25	9/28/2014	180																		
2014_11SIPMP	MW-25	MW-25	11/16/2014	110																		
2015_02SIPMP	MW-25	MW-25	2/23/2015	330																		
2015_09SIPMP	MW-25	MW-25	9/13/2015	110																		
2015_12SIPMP	MW-25	MW-25	12/6/2015	55																		
2016_02SIPMP	MW-25	MW-25	2/28/2016	380																		
2016_06SIPMP	MW-25	MW-25	6/5/2016	800																		
2008_01	MW-26	MW-26	1/9/2008	0.08 U																		
2008_03	MW-26	MW-26	2/27/2008	0.17 J																		
2008_SI	MW-26	MW-26	4/29/2008	0.08 U																		
2008_SI	MW-26	MW-26	7/29/2008	0.08 U																		
2008_SI	MW-26	MW-26	10/21/2008	0.61 U																		
2009_SI	MW-26	MW-26	2/11/2009	0.16 U																		
2009_SI	MW-26	MW-26	5/5/2009	0.16 U																		
2009_SI	MW-26	MW-26	8/4/2009	0.16 U																		
2009_SI	MW-26	MW-26	11/17/2009	0.16 U																		
2010_02SIPMP	MW-26	MW-26	2/9/2010	0.16 U																		
2010_05SIPMP	MW-26	MW-26	5/25/2010	0.07 U																		
2010_08SIPMP	MW-26	MW-26	8/18/2010	0.089 J																		
2010_11SIPMP	MW-26	MW-26	11/17/2010	0.076 J																		
2011_02SIPMP	MW-26	MW-26	2/9/2011	0.07 U																		
2011_05SIPMP	MW-26	MW-26	5/18/2011	0.07 U																		
2011_08SIPMP	MW-26	MW-26	8/24/2011	0.07 U																		
2011_11SIPMP	MW-26	MW-26	11/2/2011	0.14 J																		
2012_02SIPMP	MW-26	MW-26	2/13/2012	0.16 NJ																		
2012_05SIPMP	MW-26	MW-26	4/30/2012	0.16 J																		
2012_08SIPMP	MW-26	MW-26	8/20/2012	0.5 U																		
2012_11SIPMP	MW-26	MW-26	11/12/2012	0.5 U																		
2013_02SIPMP	MW-26	MW-26	2/11/2013	0.19 J																		
2013_06SIPMP	MW-26	MW-26	6/3/2013	0.5 U																		
2013_08SIPMP	MW-26	MW-26	8/25/2013	0.27 J																		
2013_12SIPMP	MW-26	MW-26	12/1/2013	0.58 N																		
2014_03SIPMP	MW-26	MW-26	3/16/2014	0.5 U																		
2014_06SIPMP	MW-26	MW-26	6/1/2014	0.5 U																		
2014_09SIPMP	MW-26	MW-26	9/28/2014	0.22 J																		
2014_11SIPMP	MW-26	MW-26	11/16/2014	0.5 U																		
2015_02SIPMP	MW-26	MW-26	2/23/2015	0.19 J																		
2015_09SIPMP	MW-26	MW-26	9/13/2015	0.5 U																		
2015_12SIPMP	MW-26	MW-26	12/6/2015	0.5 U																		
2016_02SIPMP	MW-26	MW-26	2/28/2016	0.49 J																		
2016_06SIPMP	MW-26	MW-26	6/5/2016	1.3 U																		
2008_01	MW-27	MW-27	1/10/2008	0.48																		
2008_03	MW-27	MW-27	2/27/2008	0.08 U																		
2008_SI	MW-27	MW-27	4/29/2008	0.18 J																		
2008_SI	MW-27	MW-27	7/29/2008	0.08 U																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2008_SI	MW-27	MW-27	10/21/2008	0.23 U																		
2009_SI	MW-27	MW-27	2/11/2009	0.16 U																		
2009_SI	MW-27	MW-27	5/5/2009	0.16 U																		
2009_SI	MW-27	MW-27	8/4/2009	0.16 U																		
2009_SI	MW-27	MW-27	11/17/2009	0.16 U																		
2010_02SIPMP	MW-27	MW-27	2/9/2010	0.16 U																		
2010_05SIPMP	MW-27	MW-27	5/25/2010	0.07 U																		
2010_08SIPMP	MW-27	MW-27	8/18/2010	0.07 U																		
2010_11SIPMP	MW-27	MW-27	11/17/2010	0.27 J																		
2011_02SIPMP	MW-27	MW-27	2/9/2011	0.07 J																		
2011_05SIPMP	MW-27	MW-27	5/18/2011	0.07 U																		
2011_08SIPMP	MW-27	MW-27	8/24/2011	0.07 U																		
2011_11SIPMP	MW-27	MW-27	11/2/2011	0.07 U																		
2012_02SIPMP	MW-27	MW-27	2/13/2012	0.2 U																		
2012_05SIPMP	MW-27	MW-27	4/30/2012	0.5 U																		
2012_08SIPMP	MW-27	MW-27	8/20/2012	0.5 U																		
2012_11SIPMP	MW-27	MW-27	11/12/2012	0.5 U																		
2013_02SIPMP	MW-27	MW-27	2/11/2013	0.5 U																		
2013_06SIPMP	MW-27	MW-27	6/3/2013	0.5 U																		
2013_08SIPMP	MW-27	MW-27	8/25/2013	0.3 N																		
2013_12SIPMP	MW-27	MW-27	12/1/2013	0.52 N																		
2014_03SIPMP	MW-27	MW-27	3/16/2014	0.31 N																		
2014_06SIPMP	MW-27	MW-27	6/1/2014	0.5 U																		
2014_09SIPMP	MW-27	MW-27	9/28/2014	0.5 U																		
2014_11SIPMP	MW-27	MW-27	11/16/2014	0.5 U																		
2015_02SIPMP	MW-27	MW-27	2/23/2015	0.5 U																		
2015_09SIPMP	MW-27	MW-27	9/13/2015	0.5 U																		
2015_12SIPMP	MW-27	MW-27	12/6/2015	0.5 U																		
2016_02SIPMP	MW-27	MW-27	2/28/2016	0.5 U																		
2016_06SIPMP	MW-27	MW-27	6/5/2016	1.3 U																		
2008_01	MW-28	MW-28	1/9/2008	0.75																		
2008_03	MW-28	MW-28	2/26/2008	0.76																		
2008_SI	MW-28	MW-28	4/29/2008	0.22																		
2008_SI	MW-28	MW-28	7/28/2008	0.08 U																		
2008_SI	MW-28	MW-28	10/21/2008	0.08 U																		
2009_SI	MW-28	MW-28	2/11/2009	0.16 U																		
2009_SI	MW-28	MW-28	5/5/2009	0.16 U																		
2009_SI	MW-28	MW-28	8/4/2009	0.16 U																		
2009_SI	MW-28	MW-28	11/17/2009	0.31 J																		
2010_02SIPMP	MW-28	MW-28	2/9/2010	0.16 U																		
2010_05SIPMP	MW-28	MW-28	5/25/2010	0.33																		
2010_08SIPMP	MW-28	MW-28	8/17/2010	0.48																		
2010_11SIPMP	MW-28	MW-28	11/17/2010	0.87																		
2011_02SIPMP	MW-28	MW-28	2/10/2011	2.6																		
2011_05SIPMP	MW-28	MW-28	5/18/2011	3.6 J																		
2011_08SIPMP	MW-28	MW-28	8/24/2011	10																		
2011_11SIPMP	MW-28	MW-28	11/3/2011	12																		
2012_02SIPMP	MW-28	MW-28	2/14/2012	22																		
2012_05SIPMP	MW-28	MW-28	4/30/2012	59																		
2012_08SIPMP	MW-28	MW-28	8/20/2012	40																		
2012_11SIPMP	MW-28	MW-28	11/12/2012	43																		
2013_02SIPMP	MW-28	MW-28	2/11/2013	64 J																		
2013_06SIPMP	MW-28	MW-28	6/3/2013	34																		
2013_08SIPMP	MW-28	MW-28	8/26/2013	21																		
2013_12SIPMP	MW-28	MW-28	12/2/2013	85																		
2014_03SIPMP	MW-28	MW-28	3/17/2014	57																		
2014_06SIPMP	MW-28	MW-28	6/2/2014	65																		
2014_09SIPMP	MW-28	MW-28	9/29/2014	13																		
2014_11SIPMP	MW-28	MW-28	11/17/2014	2.2																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2015_02SIPMP	MW-28	MW-28	2/23/2015	0.4 J																		
2015_09SIPMP	MW-28	MW-28	9/13/2015	0.9 U																		
2015_09SIPMP	MW-28	MW-44	9/13/2015	0.5 U																		
2015_12SIPMP	MW-28	MW-28	12/7/2015	0.68 U																		
2016_02SIPMP	MW-28	MW-28	2/29/2016	0.5 U																		
2016_06SIPMP	MW-28	MW-28	6/6/2016	1.3 U																		
2008_01	MW-29	MW-29	1/10/2008	1600																		
2008_03	MW-29	MW-29	2/26/2008	730																		
2008_SI	MW-29	MW-29	4/28/2008	0.08 U																		
2008_SI	MW-29	MW-29	7/28/2008	0.08 U																		
2008_SI	MW-29	MW-29	10/20/2008	7.5																		
2009_SI	MW-29	MW-29	2/11/2009	0.16 U																		
2009_SI	MW-29	MW-29	5/5/2009	0.16 U																		
2009_SI	MW-29	MW-29	8/4/2009	0.16 U																		
2009_SI	MW-29	MW-29	11/17/2009	0.16 U																		
2010_02SIPMP	MW-29	MW-29	2/9/2010	0.16 U																		
2010_05SIPMP	MW-29	MW-29	5/24/2010	0.07 U																		
2010_08SIPMP	MW-29	MW-29	8/17/2010	0.099 J																		
2010_11SIPMP	MW-29	MW-29	11/17/2010	0.087 J																		
2011_02SIPMP	MW-29	MW-29	2/8/2011	0.07 U																		
2011_05SIPMP	MW-29	MW-29	5/17/2011	0.12 J																		
2011_08SIPMP	MW-29	MW-29	8/23/2011	0.11 J																		
2011_11SIPMP	MW-29	MW-29	11/2/2011	0.23 J																		
2012_02SIPMP	MW-29	MW-29	2/13/2012	0.32																		
2012_05SIPMP	MW-29	MW-29	4/30/2012	0.5 U																		
2012_08SIPMP	MW-29	MW-29	8/20/2012	0.22 J																		
2012_11SIPMP	MW-29	MW-29	11/12/2012	2																		
2013_02SIPMP	MW-29	MW-29	2/11/2013	16 J																		
2013_06SIPMP	MW-29	MW-29	6/3/2013	1.6																		
2013_08SIPMP	MW-29	MW-29	8/26/2013	41																		
2013_12SIPMP	MW-29	MW-29	12/2/2013	99																		
2014_03SIPMP	MW-29	MW-29	3/17/2014	0.5 U																		
2014_06SIPMP	MW-29	MW-29	6/1/2014	0.49 J																		
2014_09SIPMP	MW-29	MW-29	9/28/2014	170																		
2014_11SIPMP	MW-29	MW-29	11/16/2014	44																		
2015_02SIPMP	MW-29	MW-29	2/23/2015	59																		
2015_09SIPMP	MW-29	MW-29	9/13/2015	11																		
2015_12SIPMP	MW-29	MW-29	12/6/2015	2.4																		
2016_02SIPMP	MW-29	MW-29	2/28/2016	0.5 U																		
2016_06SIPMP	MW-29	MW-29	6/5/2016	1.3 U																		
2008_01LF	MW-3	MW-3	1/9/2008	480	0.019 U	0.041	0.0084 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.017 J	0.0026 U	0.11	0.005 U	0.0035 U	0.1764
2008_03	MW-3	MW-3	2/26/2008	2700																		
2008_SI	MW-3	MW-3	4/29/2008	1200	1.3	0.51	0.14	0.034	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.36	0.0026 U	3.9	0.024	0.0035 U	6.268
2008_SI	MW-3	MW-3	7/29/2008	1800	1.2	0.66	0.15	0.077	0.0026 U	0.0043 U	0.0042 J	0.0029 J	0.0025 U	0.0034 U	0.0025 U	0.0044 U	1.1	0.02 U	6.5	0.048	0.0035 U	9.7421
2008_SI	MW-3	MW-3	10/21/2008	1700	1.2	1	0.22	0.044 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	1.5	0.0026 U	6	0.039 U	0.0035 U	9.92
2009_SI	MW-3	MW-3	2/10/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	MW-3	MW-3	5/5/2009	4.4	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2009_SI	MW-3	MW-3	8/4/2009	1100	0.019 U	0.0044 U	0.016 J	0.017 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.033
2009_SI	MW-3	MW-3	11/17/2009	2400	0.86	1.2	0.3	0.04	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	2.2	0.0026 U	3.8	0.1	0.0035 U	8.5
2010_02SIPMP	MW-3	MW-3	2/9/2010	0.39 J	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.095	0.005 U	0.0035 U	0.095
2010_05SIPMP	MW-3	MW-3	5/25/2010	0.45	0.0023 U	0.0044 U	0.0034 U	0.0042 J	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0058 J	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0041 J	0.0141
2010_08SIPMP	MW-3	MW-3	8/17/2010	1.6	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2010_11SIPMP	MW-3	MW-3	11/16/2010	750	0.2	0.16	0.048	0.011 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.66	0.0026 U	0.56	0.11	0.0035 U	1.749
2011_02SIPMP	MW-3	MW-3	2/8/2011	1.6	0.0023 U	0.0044 U	0.0034 U	0.004 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	0.004
2011_05SIPMP	MW-3	MW-3	5/16/2011	8.3	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.033 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-3	MW-3	8/23/2011	14	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-3	MW-3	11/2/2011	12	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.034 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-3	MW-3	2/14/2012	14	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.024 U	0.02 U	0.02 U	ND
2012_05SIPMP	MW-3	MW-3	4/30/2012	130	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.062	0.019 U	0.019 U	0.062

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2012_08SIPMP	MW-3	MW-3	8/20/2012	81	0.022 U	0.022 U	0.022 U	0.022 U	0.0034 J	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.022 U	0.08	0.022 U	0.022 U	0.0834
2012_11SIPMP	MW-3	MW-3	11/12/2012	42	0.023	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.005 J	0.02 U	0.011 U	0.0071 U	0.02 U	0.028
2013_02SIPMP	MW-3	MW-3	2/11/2013	110 J	0.0039 J	0.019 U	0.019 U	0.0068 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.013 J	0.019 U	0.019 U	0.0237
2013_06SIPMP	MW-3	MW-3	6/3/2013	130	0.0025 U	0.02 U	0.02 U	0.0094 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U	0.0094
2013_08SIPMP	MW-3	MW-3	8/25/2013	85																		
2013_12SIPMP	MW-3	MW-3	12/1/2013	100	0.0071 U	0.015 J	0.013 J	0.012 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.058	0.02 U	0.12	0.016 U	0.02 U	0.218
2014_03SIPMP	MW-3	MW-3	3/16/2014	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.044	0.02 U	0.02 U	0.044
2014_06SIPMP	MW-3	MW-3	6/1/2014	11	0.0025 J	0.019 U	0.019 U	0.0065 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.037	0.019 U	0.019 U	0.046
2014_09SIPMP	MW-3	MW-3	9/28/2014	8	0.0032 J	0.02 U	0.02 U	0.02 U	0.0032 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.017 J	0.02 U	0.02 U	0.0234
2014_11SIPMP	MW-3	MW-3	11/16/2014	720	0.018 J	0.081	0.037	0.038	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.1	0.02 U	0.02 U	0.48	0.02 U	0.02 U	0.754
2015_02SIPMP	MW-3	MW-3	2/23/2015	19	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2015_09SIPMP	MW-3	MW-3	9/13/2015	1500	0.02 U	0.18	0.028 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.33	0.02 U	0.022 U	0.02 U	0.02 U	0.51
2015_12SIPMP	MW-3	MW-3	12/6/2015	280	0.019 U	0.038 U	0.038 J	0.004 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.13	0.019 U	0.03 U	0.025 U	0.019 U	0.172
2016_02SIPMP	MW-3	MW-3	2/28/2016	1.1	0.019 U	0.019 U	0.019 U	0.019 U	0.0035 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0035 J
2016_06SIPMP	MW-3	MW-3	6/5/2016	25	0.019 U	0.019 U	0.019 U	0.048 U	0.0031 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.049 U	0.076 U	0.019 U	0.0031 J
2008_01	MW-30	MW-30	1/10/2008	0.08 U																		
2008_03	MW-30	MW-30	2/26/2008	0.18 J																		
2008_SI	MW-30	MW-30	4/28/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2008_SI	MW-30	MW-30	7/28/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.007 J	0.007
2008_SI	MW-30	MW-30	10/21/2008	0.08 U	0.019 U	0.0086 J	0.0034 U	0.0036 U	0.0034 J	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 J	0.019 U	0.0026 U	0.026 U	0.024 U	0.0042 J	0.0206
2009_SI	MW-30	MW-30	2/11/2009	0.16 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-30	MW-30	5/4/2009	0.16 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0028 J	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0044 J	0.0026 U	0.05 U	0.0054 J	0.0035 U	0.0126
2009_SI	MW-30	MW-30	8/3/2009	0.16 U	0.019 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.024 U	0.005 U	0.0035 U	ND
2009_SI	MW-30	MW-30	11/16/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.011 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-30	MW-30	2/8/2010	0.16 U	0.0042 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0091 U	0.0038 U	0.0026 U	0.039	0.005 U	0.0035 U	0.039
2010_05SIPMP	MW-30	MW-30	5/24/2010	0.07 U	0.0064 J	0.0044 U	0.0034 U	0.0036 U	0.019 U	0.0043 U	0.0023 U	0.0049 J	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0043 J	0.013 J	0.005 U	0.0042 J	0.0328
2010_08SIPMP	MW-30	MW-30	8/17/2010	0.12 J	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.031	0.005 U	0.0035 U	0.031
2010_11SIPMP	MW-30	MW-30	11/16/2010	0.07 U	0.043 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.072	0.005 U	0.0035 U	0.072
2011_02SIPMP	MW-30	MW-30	2/8/2011	0.14 J	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0032 J	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.021 U	0.005 U	0.0035 U	0.0032
2011_05SIPMP	MW-30	MW-30	5/16/2011	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-30	MW-30	8/23/2011	0.07 U																		
2011_11SIPMP	MW-30	MW-30	11/2/2011	0.07 U	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.037 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-30	MW-30	2/13/2012	0.2 U	0.0056 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.019 J	0.02 U	0.02 U	0.0246
2012_05SIPMP	MW-30	MW-30	5/1/2012	0.5 U	0.0049 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0044 J	0.019 U	0.023	0.019 U	0.019 U	0.0323
2012_08SIPMP	MW-30	MW-30	8/19/2012	0.5 U	0.0043 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.04	0.019 U	0.019 U	0.0443
2012_11SIPMP	MW-30	MW-30	11/12/2012	0.5 U	0.0043 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.021 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-30	MW-30	2/10/2013	0.5 U	0.0037 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.014 J	0.019 U	0.019 U	0.0177
2013_06SIPMP	MW-30	MW-30	6/2/2013	0.5 U	0.0047 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U	0.02 U	0.02 U	ND
2013_08SIPMP	MW-30	MW-30	8/26/2013	0.18 U	0.0048 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0041 U	0.0029 U	0.003 U	0.0034 U	0.0025 U	0.01 U	0.0038 U	0.0026 U	0.1	0.0051 J	0.0053 U	0.1051
2013_12SIPMP	MW-30	MW-30	12/3/2013	0.5 U	0.0072 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0043 J	0.019 U	0.08	0.0087 U	0.019 U	0.0803
2014_03SIPMP	MW-30	MW-30	3/17/2014	0.5 U	0.0054 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.024 U	0.019 U	0.019 U	ND
2014_06SIPMP	MW-30	MW-30	6/2/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U	ND
2014_09SIPMP	MW-30	MW-30	9/28/2014	0.5 U	0.011 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0075 J	0.019 U	0.02 U	0.0075 J	0.019 U	0.026
2014_11SIPMP	MW-30	MW-30	11/17/2014	0.5 U	0.0041 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0041 J
2015_02SIPMP	MW-30	MW-30	2/23/2015	0.5 UJ	0.0039 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0039 J
2015_09SIPMP	MW-30	MW-30	9/14/2015	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U	0.02 U	0.02 U	ND
2015_12SIPMP	MW-30	MW-30	12/7/2015	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	ND
2016_02SIPMP	MW-30	MW-30	2/28/2016	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.019 U	0.02 U	0.02 U	ND
2016_06SIPMP	MW-30	MW-30	6/6/2016	1.3 U	0.019 U	0.019 U	0.019 U	0.048 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.049 U	0.076 U	0.019 U	ND
2008_01	MW-31	MW-31	1/9/2008	0.08 U																		
2008_03	MW-31	MW-31	2/26/2008	0.35																		
2008_SI	MW-31	MW-31	4/28/2008	0.39																		
2008_SI	MW-31	MW-31	7/28/2008	0.18 J																		
2008_SI	MW-31	MW-31	10/21/2008	0.42 U																		
2009_SI	MW-31	MW-31	2/11/2009	0.33																		
2009_SI	MW-31	MW-31	5/5/2009	0.46																		
2009_SI	MW-31	MW-31	8/3/2009	0.16 U																		
2009_SI	MW-31	MW-31	11/17/2009	0.16 U																		
2010_02SIPMP	MW-31	MW-31	2/8/2010	0.16 U																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2010_05SIPMP	MW-31	MW-31	5/24/2010	0.083 J																		
2010_08SIPMP	MW-31	MW-31	8/16/2010	0.07 U																		
2010_11SIPMP	MW-31	MW-31	11/16/2010	0.36 J																		
2011_02SIPMP	MW-31	MW-31	2/8/2011	0.32																		
2011_05SIPMP	MW-31	MW-31	5/16/2011	0.61																		
2011_08SIPMP	MW-31	MW-31	8/23/2011	0.085 J																		
2011_11SIPMP	MW-31	MW-31	11/2/2011	0.084 J																		
2012_02SIPMP	MW-31	MW-31	2/13/2012	0.2 U																		
2012_05SIPMP	MW-31	MW-31	5/1/2012	0.5 U																		
2012_08SIPMP	MW-31	MW-31	8/19/2012	0.5 U																		
2012_11SIPMP	MW-31	MW-31	11/11/2012	0.5 U																		
2013_02SIPMP	MW-31	MW-31	2/11/2013	0.5 U																		
2013_06SIPMP	MW-31	MW-31	6/3/2013	0.5 U																		
2013_08SIPMP	MW-31	MW-31	8/26/2013	0.25 J																		
2013_12SIPMP	MW-31	MW-31	12/2/2013	0.5 N																		
2014_03SIPMP	MW-31	MW-31	3/16/2014	0.29 N																		
2014_06SIPMP	MW-31	MW-31	6/1/2014	0.19 J																		
2014_09SIPMP	MW-31	MW-31	9/28/2014	0.29 J																		
2014_11SIPMP	MW-31	MW-31	11/16/2014	0.24 J																		
2015_02SIPMP	MW-31	MW-31	2/23/2015	0.42 J																		
2015_09SIPMP	MW-31	MW-31	9/13/2015	0.5 U																		
2015_12SIPMP	MW-31	MW-31	12/6/2015	0.5 U																		
2016_02SIPMP	MW-31	MW-31	2/29/2016	1.1																		
2016_06SIPMP	MW-31	MW-31	6/5/2016	1.3 U																		
2008_01	MW-32	MW-32	1/10/2008	1700																		
2008_03	MW-32	MW-32	2/27/2008	120																		
2008_SI	MW-32	MW-32	4/29/2008	180																		
2008_SI	MW-32	MW-32	7/29/2008	290																		
2008_SI	MW-32	MW-32	10/21/2008	390																		
2009_SI	MW-32	MW-32	2/11/2009	200																		
2009_SI	MW-32	MW-32	5/5/2009	950																		
2009_SI	MW-32	MW-32	8/4/2009	1000																		
2009_SI	MW-32	MW-32	11/17/2009	1200																		
2010_02SIPMP	MW-32	MW-32	2/9/2010	810																		
2010_05SIPMP	MW-32	MW-32	5/25/2010	800																		
2010_08SIPMP	MW-32	MW-32	8/18/2010	700																		
2010_11SIPMP	MW-32	MW-32	11/17/2010	1000																		
2011_02SIPMP	MW-32	MW-32	2/9/2011	140																		
2011_05SIPMP	MW-32	MW-32	5/17/2011	83																		
2011_08SIPMP	MW-32	MW-32	8/23/2011	170																		
2011_11SIPMP	MW-32	MW-32	11/3/2011	700																		
2012_02SIPMP	MW-32	MW-32	2/14/2012	3400																		
2012_05SIPMP	MW-32	MW-32	4/30/2012	94																		
2012_08SIPMP	MW-32	MW-32	8/20/2012	76																		
2012_11SIPMP	MW-32	MW-32	11/12/2012	1500																		
2013_02SIPMP	MW-32	MW-32	2/11/2013	83 J																		
2013_06SIPMP	MW-32	MW-32	6/3/2013	150																		
2013_08SIPMP	MW-32	MW-32	8/25/2013	570																		
2013_12SIPMP	MW-32	MW-32	12/1/2013	1200																		
2014_03SIPMP	MW-32	MW-32	3/16/2014	510																		
2014_06SIPMP	MW-32	MW-32	6/1/2014	220																		
2014_09SIPMP	MW-32	MW-32	9/28/2014	480																		
2014_11SIPMP	MW-32	MW-32	11/16/2014	420																		
2015_02SIPMP	MW-32	MW-32	2/23/2015	100																		
2015_09SIPMP	MW-32	MW-32	9/13/2015	500																		
2015_12SIPMP	MW-32	MW-32	12/6/2015	130																		
2016_02SIPMP	MW-32	MW-32	2/28/2016	47																		
2016_06SIPMP	MW-32	MW-32	6/5/2016	56																		
2008_01	MW-33	MW-33	1/10/2008	50																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2008_03	MW-33	MW-33	2/26/2008	400																		
2008_SI	MW-33	MW-33	4/29/2008	3																		
2008_SI	MW-33	MW-33	7/29/2008	140																		
2008_SI	MW-33	MW-33	10/21/2008	250																		
2009_SI	MW-33	MW-33	2/11/2009	26 J																		
2009_SI	MW-33	MW-33	5/5/2009	0.16 U																		
2009_SI	MW-33	MW-33	8/4/2009	610																		
2009_SI	MW-33	MW-33	11/17/2009	490																		
2010_02SIPMP	MW-33	MW-33	2/9/2010	0.16 U																		
2010_05SIPMP	MW-33	MW-33	5/25/2010	0.34 U																		
2010_08SIPMP	MW-33	MW-33	8/17/2010	25																		
2010_11SIPMP	MW-33	MW-33	11/17/2010	88																		
2011_02SIPMP	MW-33	MW-33	2/9/2011	12																		
2011_05SIPMP	MW-33	MW-33	5/17/2011	0.07 U																		
2011_08SIPMP	MW-33	MW-33	8/24/2011	0.07 U																		
2011_11SIPMP	MW-33	MW-33	11/2/2011	5.9																		
2012_02SIPMP	MW-33	MW-33	2/14/2012	51																		
2012_05SIPMP	MW-33	MW-33	4/30/2012	0.5 U																		
2012_08SIPMP	MW-33	MW-33	8/20/2012	0.5																		
2012_11SIPMP	MW-33	MW-33	11/12/2012	38																		
2013_02SIPMP	MW-33	MW-33	2/11/2013	0.5 U																		
2013_06SIPMP	MW-33	MW-33	6/3/2013	0.5 U																		
2013_08SIPMP	MW-33	MW-33	8/25/2013	8.3																		
2013_12SIPMP	MW-33	MW-33	12/2/2013	12																		
2014_03SIPMP	MW-33	MW-33	3/17/2014	17																		
2014_03SIPMP	MW-33	MW-44	3/17/2014	21																		
2014_06SIPMP	MW-33	MW-33	6/1/2014	0.5 U																		
2014_06SIPMP	MW-33	MW-49	6/1/2014	0.5 U																		
2014_09SIPMP	MW-33	MW-33	9/28/2014	23																		
2014_09SIPMP	MW-33	MW-45	9/28/2014	21																		
2014_11SIPMP	MW-33	MW-33	11/16/2014	25																		
2015_02SIPMP	MW-33	MW-33	2/23/2015	64																		
2015_02SIPMP	MW-33	MW-45	2/23/2015	57																		
2015_09SIPMP	MW-33	MW-33	9/13/2015	52																		
2015_12SIPMP	MW-33	MW-33	12/6/2015	55																		
2016_02SIPMP	MW-33	MW-33	2/28/2016	4.3																		
2016_06SIPMP	MW-33	MW-33	6/5/2016	9.9																		
2016_06SIPMP	MW-33	MW-44	6/5/2016	10																		
2008_01	MW-34	MW-34	1/10/2008	1200																		
2008_03	MW-34	MW-34	2/26/2008	1900																		
2008_SI	MW-34	MW-34	4/28/2008	320																		
2008_SI	MW-34	MW-34	7/28/2008	39																		
2008_SI	MW-34	MW-34	10/20/2008	270																		
2009_SI	MW-34	MW-34	2/11/2009	0.16 U																		
2009_SI	MW-34	MW-34	5/5/2009	0.16 U																		
2009_SI	MW-34	MW-34	8/4/2009	23																		
2009_SI	MW-34	MW-34	11/17/2009	9																		
2010_02SIPMP	MW-34	MW-34	2/9/2010	0.28 J																		
2010_05SIPMP	MW-34	MW-34	5/24/2010	0.2 J																		
2010_08SIPMP	MW-34	MW-34	8/17/2010	250																		
2010_11SIPMP	MW-34	MW-34	11/16/2010	3																		
2011_02SIPMP	MW-34	MW-34	2/8/2011	0.07 U																		
2011_05SIPMP	MW-34	MW-34	5/17/2011	50																		
2011_08SIPMP	MW-34	MW-34	8/23/2011	0.07 U																		
2011_11SIPMP	MW-34	MW-34	11/2/2011	2																		
2012_02SIPMP	MW-34	MW-34	2/13/2012	59																		
2012_05SIPMP	MW-34	MW-34	4/30/2012	820																		
2012_08SIPMP	MW-34	MW-34	8/19/2012	12 U																		
2012_11SIPMP	MW-34	MW-34	11/12/2012	220																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2013_02SIPMP	MW-34	MW-34	2/11/2013	590 J																		
2013_06SIPMP	MW-34	MW-34	6/3/2013	190																		
2013_08SIPMP	MW-34	MW-34	8/26/2013	180																		
2013_12SIPMP	MW-34	MW-34	12/2/2013	590																		
2014_03SIPMP	MW-34	MW-34	3/17/2014	110																		
2014_06SIPMP	MW-34	MW-34	6/1/2014	270																		
2014_09SIPMP	MW-34	MW-34	9/28/2014	900																		
2014_11SIPMP	MW-34	MW-34	11/16/2014	250																		
2015_02SIPMP	MW-34	MW-34	2/23/2015	1800																		
2015_09SIPMP	MW-34	MW-34	9/13/2015	100																		
2015_12SIPMP	MW-34	MW-34	12/6/2015	54																		
2016_02SIPMP	MW-34	MW-34	2/28/2016	0.5 U																		
2016_06SIPMP	MW-34	MW-34	6/5/2016	1.3 U																		
2008_01	MW-35	MW-35	1/8/2008	0.08 U	0.0026 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0077 J	0.005 U	0.0035 U	0.0103
2008_SI	MW-35	MW-35	4/29/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	MW-35	MW-35	7/29/2008	0.08 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2008_SI	MW-35	MW-35	10/21/2008	0.08 U																		
2009_SI	MW-35	MW-35	2/10/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2009_SI	MW-35	MW-35	5/5/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2009_SI	MW-35	MW-35	8/4/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.047 U	0.005 U	0.0035 U	ND
2009_SI	MW-35	MW-35	11/17/2009	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.1 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-35	MW-35	2/9/2010	0.16 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.039	0.005 U	0.0035 U	0.039
2010_05SIPMP	MW-35	MW-35	5/25/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.052	0.005 U	0.0035 U	0.052
2010_08SIPMP	MW-35	MW-35	8/18/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.065	0.005 U	0.0035 U	0.065
2010_11SIPMP	MW-35	MW-35	11/17/2010	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.021 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-35	MW-35	2/9/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_05SIPMP	MW-35	MW-35	5/16/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.023 U	0.005 U	0.0035 U	ND
2011_08SIPMP	MW-35	MW-35	8/23/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.003 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-35	MW-35	11/2/2011	0.07 U	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.07 U	0.005 U	0.0035 U	ND
2012_02SIPMP	MW-35	MW-35	2/13/2012	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.029	0.02 U	0.02 U	0.029
2012_05SIPMP	MW-35	MW-35	4/30/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0037 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 J	0.019 U	0.019 U	0.0227
2012_08SIPMP	MW-35	MW-35	8/20/2012	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.063	0.019 U	0.019 U	0.063
2012_11SIPMP	MW-35	MW-35	11/12/2012	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.012 U	0.02 U	0.02 U	ND
2013_02SIPMP	MW-35	MW-35	2/11/2013	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.024 J	0.019 U	0.019 U	0.024
2013_06SIPMP	MW-35	MW-35	6/3/2013	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.018 U	0.02 U	0.02 U	ND
2013_08SIPMP	MW-35	MW-35	8/25/2013	0.23 U																		
2013_12SIPMP	MW-35	MW-35	12/1/2013	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.054	0.0098 U	0.019 U	0.054
2014_03SIPMP	MW-35	MW-35	3/16/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.033	0.019 U	0.019 U	0.033
2014_06SIPMP	MW-35	MW-35	6/1/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019	0.019 U	0.019 U	0.019
2014_09SIPMP	MW-35	MW-35	9/28/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.025	0.019 U	0.019 U	0.025
2014_11SIPMP	MW-35	MW-35	11/16/2014	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2015_02SIPMP	MW-35	MW-35	2/23/2015	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2015_09SIPMP	MW-35	MW-35	9/13/2015	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.022 U	0.019 U	0.019 U	ND
2015_12SIPMP	MW-35	MW-35	12/6/2015	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2016_02SIPMP	MW-35	MW-35	2/28/2016	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2016_06SIPMP	MW-35	MW-35	6/5/2016	1.3 U	0.019 U	0.019 U	0.019 U	0.048 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.049 U	0.076 U	0.019 U	ND
2008_01	MW-36	MW-36	1/8/2008	270	0.0035 J	0.012 J	0.0073 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0091 J	0.005 U	0.0035 U	0.0319
2008_SI	MW-36	MW-36	4/28/2008	130	0.0023 U	0.0044 U	0.0043 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.0043
2008_SI	MW-36	MW-36	7/28/2008	98	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2008_SI	MW-36	MW-36	10/21/2008	63	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-36	MW-36	2/9/2009	29	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-36	MW-36	5/5/2009	25	0.0023 U	0.0044 U	0.0034 U	0.0061 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.0061
2009_SI	MW-36	MW-36	8/4/2009	27	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	ND
2009_SI	MW-36	MW-36	11/17/2009	25	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.03 U	0.005 U	0.0035 U	ND
2010_02SIPMP	MW-36	MW-36	2/9/2010	2	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.022	0.005 U	0.0035 U	0.022
2010_05SIPMP	MW-36	MW-36	5/25/2010	37	0.0027 J	0.0044 U	0.005 J	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.042 U	0.005 U	0.0035 U	0.0077
2010_08SIPMP	MW-36	MW-36	8/17/2010	29	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0031 J	0.005 U	0.0062 J	0.0093
2010_11SIPMP	MW-36	MW-36	11/16/2010	30	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.043 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-36	MW-36	2/8/2011	69	0.0023 U	0.0048 J	0.0034 U	0.0076 J	0.0083 J	0.0043 U	0.0058 J	0.0036 J	0.0044 J	0.0084 J	0.0025 U	0.0074 J	0.0038 U	0.0027 J	0.023 U	0.0067 J	0.0089 J	0.0686

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2011_05SIPMP	MW-36	MW-36	5/15/2011	90	0.0023 U	0.0044 U	0.0034 U	0.0073 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	0.0073
2011_08SIPMP	MW-36	MW-36	8/22/2011	55	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-36	MW-36	11/1/2011	59	0.02 U	0.0044 U	0.0034 U	0.007 J	0.0026 U	0.017 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0057 J	0.0026 U	0.051 U	0.012 U	0.0035 U	0.0127
2012_02SIPMP	MW-36	MW-36	2/12/2012	73	0.0027 J	0.02 U	0.02 U	0.0089 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 J	0.02 U	0.051	0.02 U	0.02 U	0.0826
2012_05SIPMP	MW-36	MW-36	4/29/2012	200 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019	0.019 U	0.019 U	0.019
2012_08SIPMP	MW-36	MW-36	8/19/2012	140	0.02 U	0.02 U	0.02 U	0.0067 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0039 J	0.02 U	0.02 U	0.02 U	0.02 U	0.0106
2012_11SIPMP	MW-36	MW-36	11/11/2012	110	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-36	MW-36	2/10/2013	260 J	0.0043 J	0.019 U	0.019 U	0.012 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0056 J	0.019 U	0.0068 J	0.019 U	0.019 U	0.0287
2013_06SIPMP	MW-36	MW-36	6/3/2013	230	0.02 U	0.02 U	0.02 U	0.014 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0066 U	0.02 U	0.024 U	0.02 U	0.02 U	0.014
2013_08SIPMP	MW-36	MW-36	8/25/2013	130																		
2013_12SIPMP	MW-36	MW-36	12/1/2013	120	0.0039 U	0.019 U	0.019 U	0.017 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0084 J	0.019 U	0.054	0.0087 U	0.019 U	0.0794
2014_03SIPMP	MW-36	MW-36	3/16/2014	150	0.0034 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.029	0.019 U	0.019 U	0.0324
2014_06SIPMP	MW-36	MW-36	6/2/2014	130	0.019 U	0.019 U	0.019 U	0.011 J	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019	0.019 U	0.019 U	0.03
2014_09SIPMP	MW-36	MW-36	9/29/2014	120	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.016 J	0.019 U	0.019 U	0.016
2014_11SIPMP	MW-36	MW-36	11/17/2014	120	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0045 J	0.0038 J	0.0045 J	0.0042 J	0.019 U	0.019 U	0.0048 NJ	0.019 U	0.019 U	0.019 U	0.0218 J
2015_02SIPMP	MW-36	MW-36	2/23/2015	120	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0054 J	0.019 U	0.019 U	0.019 U	0.019 U	0.0054 J
2015_09SIPMP	MW-36	MW-36	9/14/2015	86	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.022 U	0.019 U	0.019 U	ND
2015_12SIPMP	MW-36	MW-36	12/7/2015	31	0.03 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	ND
2016_02SIPMP	MW-36	MW-36	2/28/2016	140	0.035	0.019 U	0.019 U	0.0096 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0091 J	0.019 U	0.019 U	0.0055 J	0.019 U	0.0592 J
2016_06SIPMP	MW-36	MW-36	6/6/2016	14	0.019 U	0.019 U	0.019 U	0.048 U	0.0033 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.088 U	0.076 U	0.0067 J	0.010 J
2008_01	MW-37	MW-37	1/8/2008	770	0.011 J	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.37	0.005 U	0.0035 U	0.381
2008_03	MW-37	MW-37	2/26/2008	1100																		
2008_SI	MW-37	MW-37	4/29/2008	1000	0.073	0.0044 U	0.016 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	1.5	0.005 U	0.0035 U	1.589
2008_SI	MW-37	MW-37	7/29/2008	760	0.02 U	0.0044 U	0.0034 U	0.022	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.14	0.005 U	0.0035 U	0.162
2008_SI	MW-37	MW-37	10/20/2008	250	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.0083 J	0.005 U	0.0035 U	0.0083
2009_SI	MW-37	MW-37	2/10/2009	770	0.037 U	0.0045 J	0.012 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	1.1	0.005 U	0.0035 U	1.1165
2009_SI	MW-37	MW-37	5/5/2009	750	0.051	0.0044 U	0.011 J	0.016 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	1.2	0.005 U	0.0035 U	1.278
2009_SI	MW-37	MW-37	8/3/2009	320 J	0.0023 U	0.0044 U	0.0034 U	0.011 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 U	0.005 U	0.0035 U	0.011
2009_SI	MW-37	MW-37	11/17/2009	160	0.0023 U	0.0044 U	0.0034 U	0.011 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.046 U	0.005 U	0.0035 U	0.011
2010_02SIPMP	MW-37	MW-37	2/9/2010	390	0.02 U	0.0044 U	0.0065 J	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.36	0.005 U	0.0035 U	0.3665
2010_05SIPMP	MW-37	MW-37	5/25/2010	340	0.0023 U	0.0044 U	0.0069 J	0.0036 U	0.02 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.047 U	0.005 U	0.0035 U	0.0069
2010_08SIPMP	MW-37	MW-37	8/17/2010	150	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.019 J	0.005 U	0.0035 U	0.019
2010_11SIPMP	MW-37	MW-37	11/16/2010	110	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.026 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-37	MW-37	2/8/2011	120	0.0023 U	0.0044 U	0.0034 U	0.008 J	0.0053 J	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0036 J	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	0.0169
2011_05SIPMP	MW-37	MW-37	5/16/2011	38	0.0023 U	0.0044 U	0.0034 U	0.0036 J	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.039 U	0.005 U	0.0035 U	0.0036
2011_08SIPMP	MW-37	MW-37	8/23/2011	16	0.0023 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.02 U	0.005 U	0.0035 U	ND
2011_11SIPMP	MW-37	MW-37	11/2/2011	22	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.018 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0046 J	0.0026 U	0.039 U	0.011 U	0.0035 U	0.0046
2012_02SIPMP	MW-37	MW-37	2/13/2012	50	0.02 U	0.02 U	0.0038 J	0.0049 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.043	0.02 U	0.02 U	0.0517
2012_05SIPMP	MW-37	MW-37	4/30/2012	22	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.021	0.019 U	0.019 U	0.021
2012_08SIPMP	MW-37	MW-37	8/19/2012	13	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.079	0.019 U	0.019 U	0.079
2012_11SIPMP	MW-37	MW-37	11/12/2012	38	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0084 U	0.019 U	0.019 U	ND
2013_02SIPMP	MW-37	MW-37	2/10/2013	0.5 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.0027 J	0.0044 J	0.019 U	0.019 U	0.0071
2013_06SIPMP	MW-37	MW-37	6/2/2013	0.5 U	0.02 U	0.02 U	0.02 U	0.0077 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.018 U	0.02 U	0.02 U	0.0077
2013_08SIPMP	MW-37	MW-37	8/26/2013	4.2																		
2013_12SIPMP	MW-37	MW-37	12/2/2013	24	0.019 U	0.019 U	0.019 U	0.01 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.063 U	0.019 U	0.019 U	0.01
2014_03SIPMP	MW-37	MW-37	3/17/2014	64	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.033 U	0.019 U	0.019 U	ND
2014_06SIPMP	MW-37	MW-37	6/2/2014	41	0.019 U	0.019 U	0.019 U	0.0058 J	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 UJ	0.019	0.019 U	0.019 U	0.0248
2014_09SIPMP	MW-37	MW-37	9/29/2014	65	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.02	0.019 U	0.019 U	0.02
2014_11SIPMP	MW-37	MW-37	11/17/2014	79	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2015_02SIPMP	MW-37	MW-37	2/23/2015	75	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	ND
2015_09SIPMP	MW-37	MW-37	9/14/2015	0.65 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U	0.031 U	0.02 U	ND
2015_12SIPMP	MW-37	MW-37	12/7/2015	59	0.019 U	0.019 U	0.019 U	0.0037 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.03 U	0.019 U	0.019 U	0.0037 J
2016_02SIPMP	MW-37	MW-37	2/28/2016	4.7	0.019 U	0.019 U	0.019 U	0.019 U	0.003 J	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.003 J
2016_06SIPMP	MW-37	MW-37	6/6/2016	1.5 U	0.019 U	0.019 U	0.019 U	0.048 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.049 U	0.076 U	0.019 U	ND
2010_08SIPMP	MW-38	MW-38	8/17/2010	0.21																		
2010_11SIPMP	MW-38	MW-38	11/16/2010	0.07 U																		
2011_02SIPMP	MW-38	MW-38	2/8/2011	0.07 U																		
2011_05SIPMP	MW-38	MW-38	5/17/2011	0.07 U																		
2011_08SIPMP	MW-38	MW-38	8/23/2011	0.07 U																		
2011_11SIPMP	MW-38	MW-38	11/2/2011	0.07 U																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2012_02SIPMP	MW-38	MW-38	2/13/2012	0.02 U																		
2012_05SIPMP	MW-38	MW-38	4/30/2012	2.3																		
2012_08SIPMP	MW-38	MW-38	8/19/2012	0.5 U																		
2012_11SIPMP	MW-38	MW-38	11/12/2012	0.5 U																		
2013_02SIPMP	MW-38	MW-38	2/11/2013	0.39 J																		
2013_06SIPMP	MW-38	MW-38	6/3/2013	0.5 U																		
2013_08SIPMP	MW-38	MW-38	8/26/2013	0.19 U																		
2013_12SIPMP	MW-38	MW-38	12/2/2013	0.42 N																		
2014_03SIPMP	MW-38	MW-38	3/17/2014	0.5 U																		
2014_06SIPMP	MW-38	MW-38	6/1/2014	0.5 U																		
2014_09SIPMP	MW-38	MW-38	9/28/2014	0.5 U																		
2014_11SIPMP	MW-38	MW-38	11/16/2014	0.5 U																		
2015_02SIPMP	MW-38	MW-38	2/23/2015	0.68 UJ																		
2015_09SIPMP	MW-38	MW-38	9/13/2015	0.5 U																		
2015_12SIPMP	MW-38	MW-38	12/6/2015	0.5 U																		
2016_02SIPMP	MW-38	MW-38	2/28/2016	0.5 U																		
2016_06SIPMP	MW-38	MW-38	6/5/2016	1.3 U																		
2010_08SIPMP	MW-39	MW-39	8/17/2010	130																		
2010_11SIPMP	MW-39	MW-39	11/16/2010	120																		
2011_02SIPMP	MW-39	MW-39	2/8/2011	120																		
2011_05SIPMP	MW-39	MW-39	5/16/2011	120																		
2011_08SIPMP	MW-39	MW-39	8/23/2011	110																		
2011_11SIPMP	MW-39	MW-39	11/2/2011	120																		
2012_02SIPMP	MW-39	MW-39	2/13/2012	130																		
2012_05SIPMP	MW-39	MW-39	5/1/2012	120																		
2012_08SIPMP	MW-39	MW-39	8/19/2012	94																		
2012_11SIPMP	MW-39	MW-39	11/12/2012	120																		
2013_02SIPMP	MW-39	MW-39	2/10/2013	93 J																		
2013_06SIPMP	MW-39	MW-39	6/2/2013	95																		
2013_08SIPMP	MW-39	MW-39	8/26/2013	84																		
2013_12SIPMP	MW-39	MW-39	12/2/2013	58																		
2014_03SIPMP	MW-39	MW-39	3/17/2014	150																		
2014_06SIPMP	MW-39	MW-39	6/2/2014	NA																		
2014_09SIPMP	MW-39	MW-39	9/29/2014	120																		
2014_11SIPMP	MW-39	MW-39	11/17/2014	110																		
2015_02SIPMP	MW-39	MW-39	2/23/2015	100																		
2015_09SIPMP	MW-39	MW-39	9/14/2015	21																		
2015_12SIPMP	MW-39	MW-39	12/7/2015	24																		
2016_02SIPMP	MW-39	MW-39	2/29/2016	110																		
2016_06SIPMP	MW-39	MW-39	6/6/2016	19																		
2015_09SIPMP	MW-4	MW-4	9/14/2015	0.5 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022 U	0.03 U	0.02 U	ND
2010_08SIPMP	MW-40	MW-40	8/17/2010	260																		
2010_11SIPMP	MW-40	MW-40	11/16/2010	150																		
2011_02SIPMP	MW-40	MW-40	2/8/2011	390																		
2011_05SIPMP	MW-40	MW-40	5/16/2011	420																		
2011_08SIPMP	MW-40	MW-40	8/22/2011	400																		
2011_11SIPMP	MW-40	MW-40	11/1/2011	210																		
2012_02SIPMP	MW-40	MW-40	2/12/2012	160																		
2012_05SIPMP	MW-40	MW-40	4/29/2012	220 J																		
2012_08SIPMP	MW-40	MW-40	8/19/2012	410																		
2012_11SIPMP	MW-40	MW-40	11/11/2012	200																		
2013_02SIPMP	MW-40	MW-40	2/10/2013	180 J																		
2013_06SIPMP	MW-40	MW-40	6/2/2013	350																		
2013_08SIPMP	MW-40	MW-40	8/26/2013	470																		
2013_12SIPMP	MW-40	MW-40	12/2/2013	510																		
2014_03SIPMP	MW-40	MW-40	3/17/2014	450																		
2014_06SIPMP	MW-40	MW-40	6/1/2014	560																		
2014_09SIPMP	MW-40	MW-40	9/29/2014	290																		
2014_11SIPMP	MW-40	MW-40	11/17/2014	240																		
2015_02SIPMP	MW-40	MW-40	2/23/2015	380																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2015_09SIPMP	MW-40	MW-40	9/14/2015	520																		
2015_12SIPMP	MW-40	MW-40	12/7/2015	800																		
2016_02SIPMP	MW-40	MW-40	2/29/2016	360																		
2016_06SIPMP	MW-40	MW-40	6/6/2016	140																		
2010_08SIPMP	MW-41	MW-41	8/17/2010	420																		
2010_11SIPMP	MW-41	MW-41	11/16/2010	300																		
2011_02SIPMP	MW-41	MW-41	2/8/2011	240																		
2011_05SIPMP	MW-41	MW-41	5/15/2011	110																		
2011_08SIPMP	MW-41	MW-41	8/22/2011	300																		
2011_11SIPMP	MW-41	MW-41	11/1/2011	340																		
2012_02SIPMP	MW-41	MW-41	2/12/2012	220																		
2012_05SIPMP	MW-41	MW-41	4/29/2012	110 J																		
2012_08SIPMP	MW-41	MW-41	8/19/2012	200																		
2012_11SIPMP	MW-41	MW-41	11/11/2012	220																		
2013_02SIPMP	MW-41	MW-41	2/10/2013	49 J																		
2013_06SIPMP	MW-41	MW-41	6/2/2013	160	0.0043 U	0.02 U	0.02 U	0.0071 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.054	0.02 U	0.02 U	0.0611
2013_08SIPMP	MW-41	MW-41	8/25/2013	340																		
2013_12SIPMP	MW-41	MW-41	12/1/2013	310																		
2014_03SIPMP	MW-41	MW-41	3/16/2014	340																		
2014_06SIPMP	MW-41	MW-41	6/2/2014	320																		
2014_09SIPMP	MW-41	MW-41	9/29/2014	410																		
2014_11SIPMP	MW-41	MW-41	11/17/2014	350																		
2015_02SIPMP	MW-41	MW-41	2/23/2015	340																		
2015_09SIPMP	MW-41	MW-41	9/14/2015	420 J+																		
2015_12SIPMP	MW-41	MW-41	12/7/2015	430																		
2016_02SIPMP	MW-41	MW-41	2/29/2016	380																		
2016_06SIPMP	MW-41	MW-41	6/6/2016	330																		
2010_08SIPMP	MW-42	MW-42	8/16/2010	1.2																		
2010_11SIPMP	MW-42	MW-42	11/15/2010	1.2	0.02 U	0.0044 U	0.0034 U	0.0036 U	0.0026 U	0.0043 U	0.0023 U	0.0029 U	0.0025 U	0.0034 U	0.0025 U	0.0044 U	0.0038 U	0.0026 U	0.04 U	0.005 U	0.0035 U	ND
2011_02SIPMP	MW-42	MW-42	2/7/2011	2.2																		
2011_05SIPMP	MW-42	MW-42	5/16/2011	14																		
2011_08SIPMP	MW-42	MW-42	8/23/2011	17																		
2011_11SIPMP	MW-42	MW-42	11/2/2011	11																		
2012_02SIPMP	MW-42	MW-42	2/13/2012	0.071 NJ																		
2012_05SIPMP	MW-42	MW-42	5/1/2012	0.5 U																		
2012_08SIPMP	MW-42	MW-42	8/20/2012	12																		
2012_11SIPMP	MW-42	MW-42	11/12/2012	13																		
2013_02SIPMP	MW-42	MW-42	2/11/2013	44 J																		
2013_06SIPMP	MW-42	MW-42	6/3/2013	0.5 U																		
2013_08SIPMP	MW-42	MW-42	8/26/2013	3.4																		
2013_12SIPMP	MW-42	MW-42	12/2/2013	5.6																		
2014_03SIPMP	MW-42	MW-42	3/17/2014	5.4																		
2014_06SIPMP	MW-42	MW-42	6/2/2014	7.9																		
2014_09SIPMP	MW-42	MW-42	9/29/2014	6.5																		
2014_11SIPMP	MW-42	MW-42	11/17/2014	5.9																		
2015_02SIPMP	MW-42	MW-42	2/23/2015	7.6 J																		
2015_09SIPMP	MW-42	MW-42	9/14/2015	5.9																		
2015_12SIPMP	MW-42	MW-42	12/7/2015	7.2																		
2016_02SIPMP	MW-42	MW-42	2/29/2016	42																		
2016_06SIPMP	MW-42	MW-42	6/6/2016	31																		
2010_11SIPMP	MW-43	MW-43	11/15/2010	0.07 U																		
2011_02SIPMP	MW-43	MW-43	2/8/2011	0.078 J																		
2011_05SIPMP	MW-43	MW-43	5/16/2011	0.13 J																		
2011_08SIPMP	MW-43	MW-43	8/23/2011	0.07 U																		
2011_11SIPMP	MW-43	MW-43	11/2/2011	0.07 U																		
2012_02SIPMP	MW-43	MW-43	2/13/2012	0.099 NJ																		
2012_05SIPMP	MW-43	MW-43	5/3/2012	0.5 U																		
2012_08SIPMP	MW-43	MW-43	8/20/2012	0.5 U																		
2012_11SIPMP	MW-43	MW-43	11/13/2012	0.5 U																		
2013_02SIPMP	MW-43	MW-43	2/11/2013	0.5 U																		

Table 3A. Summary of Groundwater Sampling Analytical Results: 2008 through First Half 2016
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Event	Well ID	Sample ID	Sample Date	Pentachlorophenol	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total PAHs (calculated)
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
2013_06SIPMP	MW-43	MW-43	6/3/2013	0.5 U																		
2013_08SIPMP	MW-43	MW-43	8/26/2013	0.2 U																		
2013_12SIPMP	MW-43	MW-43	12/2/2013	0.5 U																		
2014_03SIPMP	MW-43	MW-43	3/17/2014	0.5 U																		
2014_06SIPMP	MW-43	MW-43	6/2/2014	0.5 U																		
2014_09SIPMP	MW-43	MW-43	9/29/2014	0.5 U																		
2014_11SIPMP	MW-43	MW-43	11/17/2014	0.5 U																		
2015_02SIPMP	MW-43	MW-43	2/23/2015	0.63 UJ																		
2015_09SIPMP	MW-43	MW-43	9/14/2015	0.5 U																		
2015_12SIPMP	MW-43	MW-43	12/7/2015	0.5 U																		
2016_02SIPMP	MW-43	MW-43	2/29/2016	0.5 U																		
2016_06SIPMP	MW-43	MW-43	6/6/2016	1.3 U																		

Notes
µg/L = micrograms per liter
i = Method reporting limit/method detection limit is elevated due to a chromatographic interference.
J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit.
N = Analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NA = Sample bottles arrived at laboratory broken and could not be analyzed.
ND = Not detected.
NJ = Analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.
PAHs = polycyclic aromatic hydrocarbons.
U = Analyte was not detected above the reported sample quantification limit.

Table 3B. Analytical Results of Pentachlorophenol and Breakdown Products in Extraction Well Composite Samples
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Analyte[1]	Unit	2/23/2015[2,3]	9/15/2015[2,4]	12/7/2015[2,4]	2/29/2016[2,4]	6/6/2016[2,4]
Pentachlorophenol	ug/L	590	380	430	620	550
2,4,5-Trichlorophenol	ug/L	1.0 UJ	1.0 UJ	ND	ND	ND
2,4,6-Trichlorophenol	ug/L	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ug/L	--	--	--	--	--
2,3,5,6-Tetrachlorophenol	ug/L	--	--	--	--	--
3,4-Dichlorophenol	ug/L	--	--	--	--	--
3,5-Dichlorophenol	ug/L	--	--	--	--	--
Total Tetrachlorophenols[5]	ug/L	23	17	19	34	30

Notes

ug/L = micrograms per liter.

J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit.

ND = not detected.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quanitation limit is approximate and may be inaccu

1 Analysis by EPA method 8151M.

2 Composite samples do not include groundwater from extraction well EW-1, EW-3, EW-5, EW-6, and EW-7. EW-1, EW-5, and EW-6 were shut down due to water level condition in the infiltration trench. EW-7 was discontinued with approval from EPA in 2010. EW-3 was shut down during the second quarter was off during sample collection.

3 Sample composite from EW-2 and EW-4.

4 Sample contains water from EW-4 only.

4 Sample composite from EW-1, EW-2, and EW-4.

5 Total tetrachlorophenols comprises multiple tetrachlorophenol isomers, including 2,3,4,6-tetrachlorophenol and 2,3,5,6-tetrachlorophenol.

Table 3C. Historical Analytical Results of Pentachlorophenol and Breakdown Products in Extraction Well Composite Samples
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Sample ID	Sample Date	2,4,5-Trichlorophenol (µg/L)		2,4,6-Trichlorophenol (µg/L)		2,3,4,6-Tetrachlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	Total Tetrachlorophenols[1] (µg/L)	3,4-Dichlorophenol (µg/L)	3,5-Dichlorophenol (µg/L)	Pentachlorophenol (µg/L)	Comments[2]
EWCOMP030509	3/5/2009	1.0	U	1.0	U	15.0	2.0				430	
EWCOMP040209	4/2/2009	1.0	U	1.0	U	15.0	2.5				180	
EWCOMP052609	5/26/2009	1.1	U	1.1	U	12.0	2.0				240	
EWCOMP070709	7/7/2009	1.0	U	1.0	U	9.1	1.2				190	
EW-1-EW-7	8/5/2009	0.98	U	0.98	U	8.9	1.3				240	PCP from Method 8270D
EWCOMP082709	8/27/2009	1.0	U	1.0	U	7.1	1.0				180	
EWCOMP093009	9/30/2009	1.0	U	1.0	U	9.4	1.4				230	EW 1- EW 6 only
EW-1-EW-6	11/19/2009	0.96	U	0.96	U	10.0	1.9				450	EW 1- EW 6 only; analysis by 8270D SIM
EWCOMP122809	12/28/2009	1.0	U	1.0	U	15.0	1.8				490	EW 1- EW 6 only; analysis by 8270D SIM
EWCOMP12610	1/26/2010	0.99	U	0.99	U	16.0	1.8				470	EW 1- EW 6 only; analysis by 8270D SIM
EW1-7	2/11/2010	1.1	U	1.1	U	8.9	1.2				270	Analysis by 8270D SIM
EWCOMP32410	3/24/2010	1.0	U	1.0	U	13.0	1.6				340	Analysis by 8270D SIM
EWCOMP42910	4/30/2010	1.1	U	1.1	U	11.0	1.4				320	Analysis by 8270D
EW1-7	5/27/2010	0.96	U	0.96	U	5.2	1.0				110	Analysis by 8270D
EWCOMP63010	6/30/2010	1.1	U	1.1	U	11.0	1.8				320	EW1-EW3 & EW5-EW7, Analysis by 8270D SIM
EW1-7	8/19/2010	0.95	U	0.95	U	13.0	2.0				300	Analysis by 8270D
EW1-6	12/7/2010	0.97	U	0.97	U	9.5	1.5				540	Analysis by 8270D
Extraction Well Composite	2/12/2011	0.96	U	0.96	U	32.0	10.0				560	EW 1- EW 6 only; Analysis by 8270D
EW1-4 Composite	5/18/2011	0.099	U	0.06	J			12 U	0.5 U	0.74 U	320	EW 1- EW 4 only; Analysis by 8151M
EW1-4	8/25/2011	0.099	U	0.13	J			28			710	EW 1- EW 4 only; Analysis by 8151M
EW1-4	11/3/2011	0.099	U	0.11	J			33 U			710	EW 1- EW 4 only; Analysis by 8151M
EW1-4	2/14/2012	0.099	U	0.11	J			19 UI			650	EW 1- EW 4 only; Analysis by 8151M
EW1-4	5/3/2012	1.0	U	0.16	NJ			39 J			770	EW 1- EW 4 only; Analysis by 8151M
EW2-4 COMP	8/20/2012	1.0	U	0.50	U			26 U			550	EW 2- EW 4 only; Analysis by 8151M

Table 3C. Historical Analytical Results of Pentachlorophenol and Breakdown Products in Extraction Well Composite Samples
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Sample ID	Sample Date	2,4,5-Trichlorophenol (µg/L)		2,4,6-Trichlorophenol (µg/L)		2,3,4,6-Tetrachlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	Total Tetrachlorophenols[1] (µg/L)	3,4-Dichlorophenol (µg/L)	3,5-Dichlorophenol (µg/L)	Pentachlorophenol (µg/L)	Comments[2]
EW 1-4 COMP	11/12/2012	1.0	U	0.50	U			27 U			690	EW 2- EW 4 only; Analysis by 8151M
EW 1-4 COMP	2/11/2013	1.0	U	0.50	U			39 U			820 J	EW 2- EW 4 only; Analysis by 8151M
EW 1-4 COMP	6/4/2013	1.0	U	0.50	U			2.4 U			590	EW 2 & EW 4 only; Analysis by 8151M
EW 1-4 COMP	8/26/2013	0.19	U	0.14	U			18 J			530	EW 2 & EW 4 only; Analysis by 8151M
EW 1-4 COMP	12/2/2013	1.0	U	0.50	U			21			630	EW 2 & EW 4 only; Analysis by 8151M
EW 1-4 COMP	3/17/2014	1.0	U	0.50	U			15			340	EW 2 & EW 4 only; Analysis by 8151M
EW 1-4 COMP	6/2/2014	1.0	U	0.20	J			29			51	EW 4 only; Analysis by 8151M
EW 1-4 COMPOSITE	9/29/2014	0.24	J	0.50	U			31			790	EW 2 & EW 4 only; Analysis by 8151M
EW 1-4 COMPOSITE	11/17/2014	1.0	U	0.50	U			27			590	EW 2 & EW 4 only; Analysis by 8151M
EW 1-4 COMPOSITE	2/23/2015	1.0	UJ	0.50	U			23			590	EW 2 & EW 4 only; Analysis by 8151M
EW 1-4 COMPOSITE	9/15/2015	1.0	UJ	0.50	U			17			380	EW-1, EW-2 & EW-4 only; Analysis by 8151M
EW 1-4 COMPOSITE	12/7/2015	1.0	UJ	0.50	UJ			19			430	EW-1, EW-2 & EW-4 only; Analysis by 8151M
EW 1-4 COMPOSITE	2/29/2016	1.0	UJ	0.50	U			34			620	EW-1, EW-2 & EW-4 only; Analysis by 8151M
EW 1-4 COMPOSITE	6/5/2016	1.0	U	0.50	U			30			550	EW-1, EW-2 & EW-4 only; Analysis by 8151M

Notes

ug/L = micrograms per liter.

i = Method reporting limit/method detection limit is elevated due to a chromatographic interference.

J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit.

NJ = Analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.

U =Analyte was not detected above the reported sample quantification limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quanitation limit is approximate and may be inaccurate or imprecise.

1 Total tetrachlorophenols comprises multiple tetrachlorophenol isomers, including 2,3,4,6-tetrachlorophenol and 2,3,5,6-tetrachlorophenol.

2 EW-1, EW-5, and EW-6 were shut down due to a recurring high water level condition in the infiltration trench. EW-7 was discontinued with approval from the EPA in 2010. EW-3 was shut down during the second quarter 2013 and was off during sample collection.

Table 3D. Analytical Results of Pentachlorophenol and Breakdown Products in Individual Extraction Wells
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Sample ID	Sample Date	2,4,5-Trichlorophenol[1] (µg/L)		2,4,6-Trichlorophenol[1] (µg/L)		2,3,4,6-Tetrachlorophenol[1] (µg/L)		2,3,5,6-Tetrachlorophenol[1] (µg/L)		Pentachlorophenol[1] (µg/L)
EW-1	2/11/2010	1.0	U	1.0	U	7.5		2.4		200
EW-2	2/11/2010	1.0	U	1.0	U	30		4.6		640
EW-3	2/11/2010	1.0	U	1.0	U	40		4.2		1,400
EW-4	2/11/2010	1.0	U	1.0	U	5.7		1.0	U	450
EW-5	2/11/2010	1.0	U	1.0	U	1.0	U	1.0	U	5.0 U
EW-6	2/11/2010	1.0	U	1.0	U	1.0	U	1.0	U	5.0 U
EW-7	2/11/2010	1.0	U	1.0	U	1.0	U	1.0	U	5.2 U

Notes
ug/L = micrograms per liter.
U =Analyte was not detected above the reported sample quantification limit.
ND = not detected.
1 Analysis by EPA method 8270D SIM.

Table 4. Bacteriological Analysis Results for Heterotrophic Plate Count
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Sample ID	Sample Date	Heterotrophic Plate Count[1] (CFU/mL)	Comments
EW 1-7	5/25/2010	1 U	Analyzed by Spectra Laboratories, Tacoma, WA
MW-3	5/25/2010	ND	Analyzed by Spectra Laboratories, Tacoma, WA
MW-3	11/16/2010	1 U	Analyzed by Edge Analytical Laboratories, Burlington, WA
EW 1-6	12/7/2010	95	Analyzed by Edge Analytical Laboratories, Burlington, WA

Notes
CFU/mL = colony forming units per milliliter.
J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit.
U = Analyte was not detected above the reported sample quantification limit.
1 Analysis by SM 9215B.

Table 5. Light Non-Aqueous Phase Liquid (LNAPL) Recovery
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

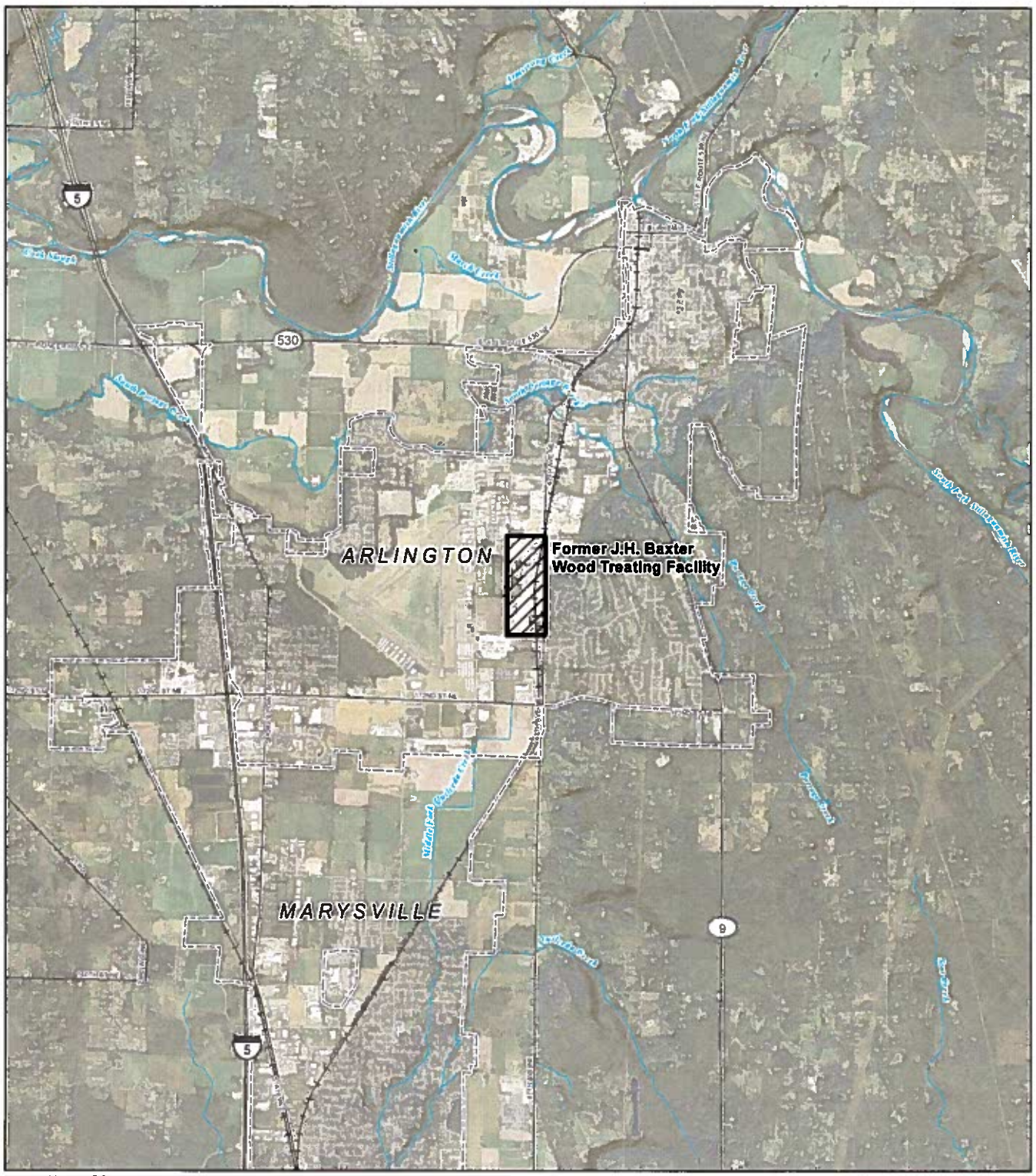
Date	Well ID	Weight (pounds)			Volume (gallons)
		Total	Material	LNAPL	
4/7/2008	MW-12	2.24	0.53	1.71	0.20
6/2/2008	MW-12	2.34	0.53	1.81	0.22
7/28/2008	MW-12	2.14	0.54	1.60	0.19
9/26/2008	MW-12	1.9	0.46	1.44	0.17
11/24/2008	MW-12	2.22	0.54	1.68	0.20
1/7/2009	MW-13	2.12	0.56	1.56	0.19
3/5/2009	MW-12	2.35	0.64	1.71	0.20
4/1/2009	MW-12	2.58	0.64	1.94	0.23
5/27/2009	MW-12	2.76	0.68	2.08	0.25
11/19/2009	MW-12	NA	NA	1.82	0.22
12/28/2009	MW-12	2.64	0.66	1.98	0.24
1/25/2010	MW-12	2.48	0.64	1.84	0.22
3/23/2010	MW-12	2.6	0.66	1.94	0.23
4/28/2010	MW-12	2.68	0.64	2.04	0.24
6/29/2010	MW-12	2.52	0.64	1.88	0.22
10/19/2010	MW-13	1.49	0.64	0.85	0.10
10/19/2010	MW-12	1.8	0.64	1.16	0.14
2/10/2011	MW-12	2.19	0.56	1.63	0.19
5/18/2011	MW-12	2.56	0.64	1.92	0.23
5/18/2011	MW-13	1.9	0.45	1.45	0.17
5/18/2011	MW-19	1.8	0.63	1.17	0.14
5/18/2011	MW-21	1.59	0.58	1.01	0.12
8/24/2011	MW-12	2.07	0.63	1.44	0.17
11/3/2011	MW-12	2.27	0.61	1.66	0.20
2/15/2012	MW-12	1.89	0.64	1.25	0.15
5/2/2012	MW-12	2.45	0.64	1.81	0.22
8/20/2012	MW-12	1.08	0.47	0.61	0.07
11/13/2012	MW-12	NC	NC	0	0.00
2/12/2013	MW-12	2.38	0.41	1.97	0.23
6/3/2013	MW-12	1.91	0.58	1.33	0.16
8/26/2013	MW-12	0.93	0.2	0.73	0.09
12/3/2013	MW-12	0.98	0.33	0.65	0.08
3/17/2014	MW-12	2.14	0.32	1.82	0.22
6/2/2014	MW-12	2.13	0.3	1.83	0.22
9/29/2014	MW-12	1.16	0.32	0.84	0.10
11/17/2014	MW-12	1.71	0.31	1.41	0.17
2/23/2015	MW-12	2.1	0.31	1.79	0.21
9/15/2015	MW-12	2.15	0.33	1.82	0.22
12/7/2015	MW-12	2.14	0.031	1.83	0.22
2/29/2016	MW-12	2.58	0.3	2.28	0.27

Table 5. Light Non-Aqueous Phase Liquid (LNAPL) Recovery
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Date	Well ID	Weight (pounds)			Volume (gallons)
		Total	Material	LNAPL	
6/5/2016	MW-12	3.06	0.44	2.62	0.31
Total				63.9	7.62

Notes
NA = not analyzed.
NC = no change, water level low.

Figures



LEGEND

- Cities
- Railroads
- Major Roads
- Watercourses

MAP NOTES:
Date: July 25, 2016
Data Sources: Air photo taken on September 26, 2015 by the USDA

FIGURE 1

Site Vicinity Map

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

N

0 0.5 1
Miles

GSI Water Solutions, Inc.

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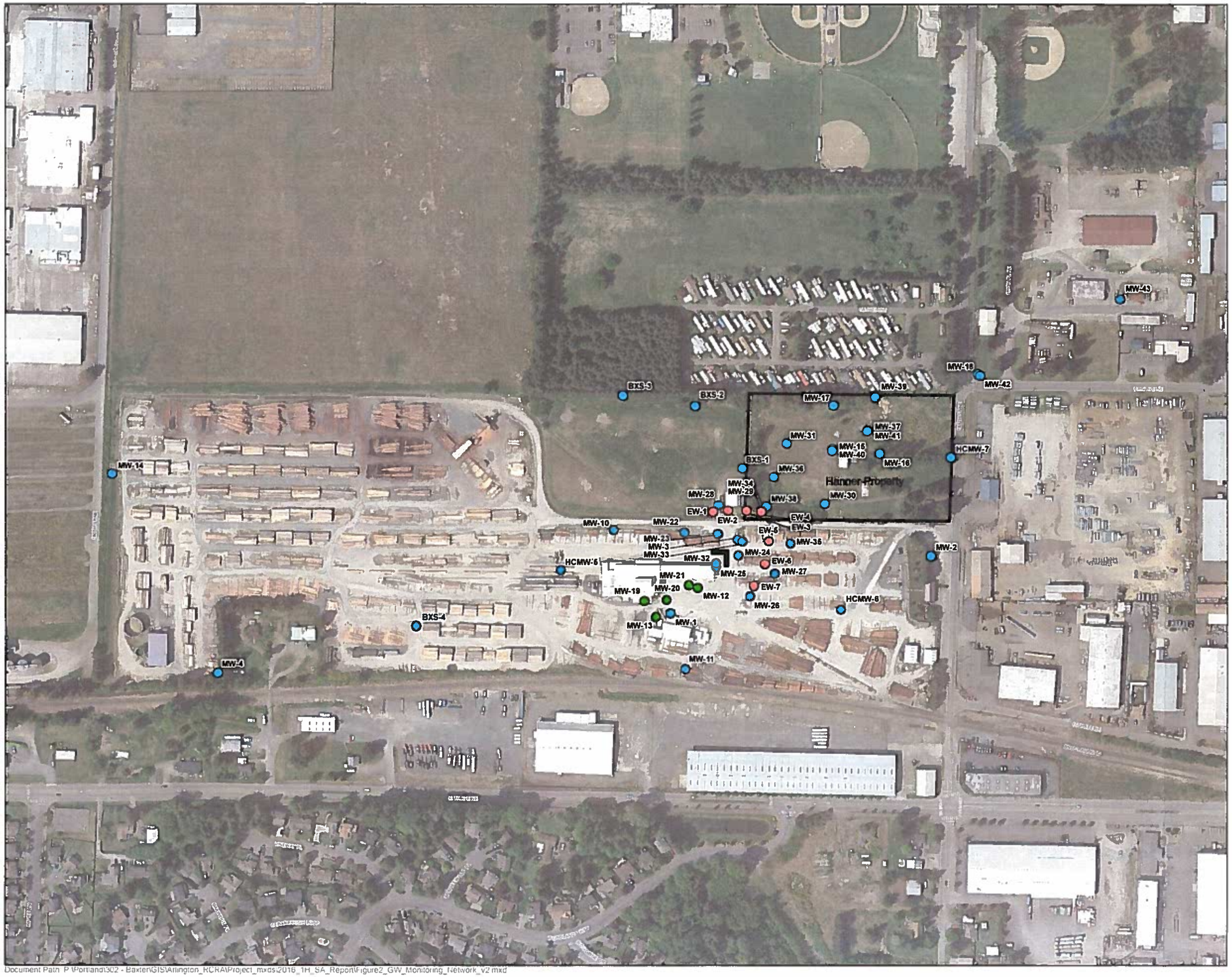


FIGURE 2

Groundwater Monitoring Network

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well
- Recovery Well
- Extraction Well
- Infiltration Trench

N

0 150 300 450
Feet

MAP NOTES:
Date: July 25, 2016
Data Sources: AMEC, ESRI. Air photo taken on May 2, 2015 by Google Earth

GSI Water Solutions, Inc.

Document Path: P:\Portland\302 - Baxter\GIS\Arlington_RCRA\Project_mxds\2016_1H_SA_Report\Figure2_GW_Monitoring_Network_v2.mxd

FIGURE 3

Groundwater Elevation Contour Map: First Quarter 2016

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Groundwater Elevation Contours (dashed where inferred)
- Shallow Monitoring Well (February 2016 Groundwater Elevation)
- Intermediate Monitoring Well (February 2016 Groundwater Elevation, not used for contouring)
- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping

NOTES:

1. All elevations exist in NAVD88.
2. Extraction wells are pumping while water level measurements are collected.
3. NM = not measured.
4. MW-30 not used for contouring.
5. Intermediate Monitoring Wells not used for contouring.

N

0 65 130 195
Feet

MAP NOTES:

Date: July 25, 2016
Data Sources: AMEC, ESRI, Air photo taken on May 2, 2015 by Google Earth

GSI Water Solutions, Inc.

Document Path: P:\Portland\302 - Baxter\GIS\Arlington_RCRA\Project_mxds\2016_1H_SA_Report\Figure3_GW_Elev_1Q_2016_v2.mxd

FIGURE 4

Groundwater Elevation Contour Map: Second Quarter 2016

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Groundwater Elevation Contours (dashed where inferred)
- Shallow Monitoring Well (June 2016 Groundwater Elevation)
- Intermediate Monitoring Well (June 2016 Groundwater Elevation, not used for contouring)
- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping

NOTES:

1. All elevations exist in NAVD88.
2. Extraction wells are pumping while water level measurements are collected.
3. NM = not measured.
4. MW-37 suspect measurement.
5. Intermediate Monitoring Wells not used for contouring.

N

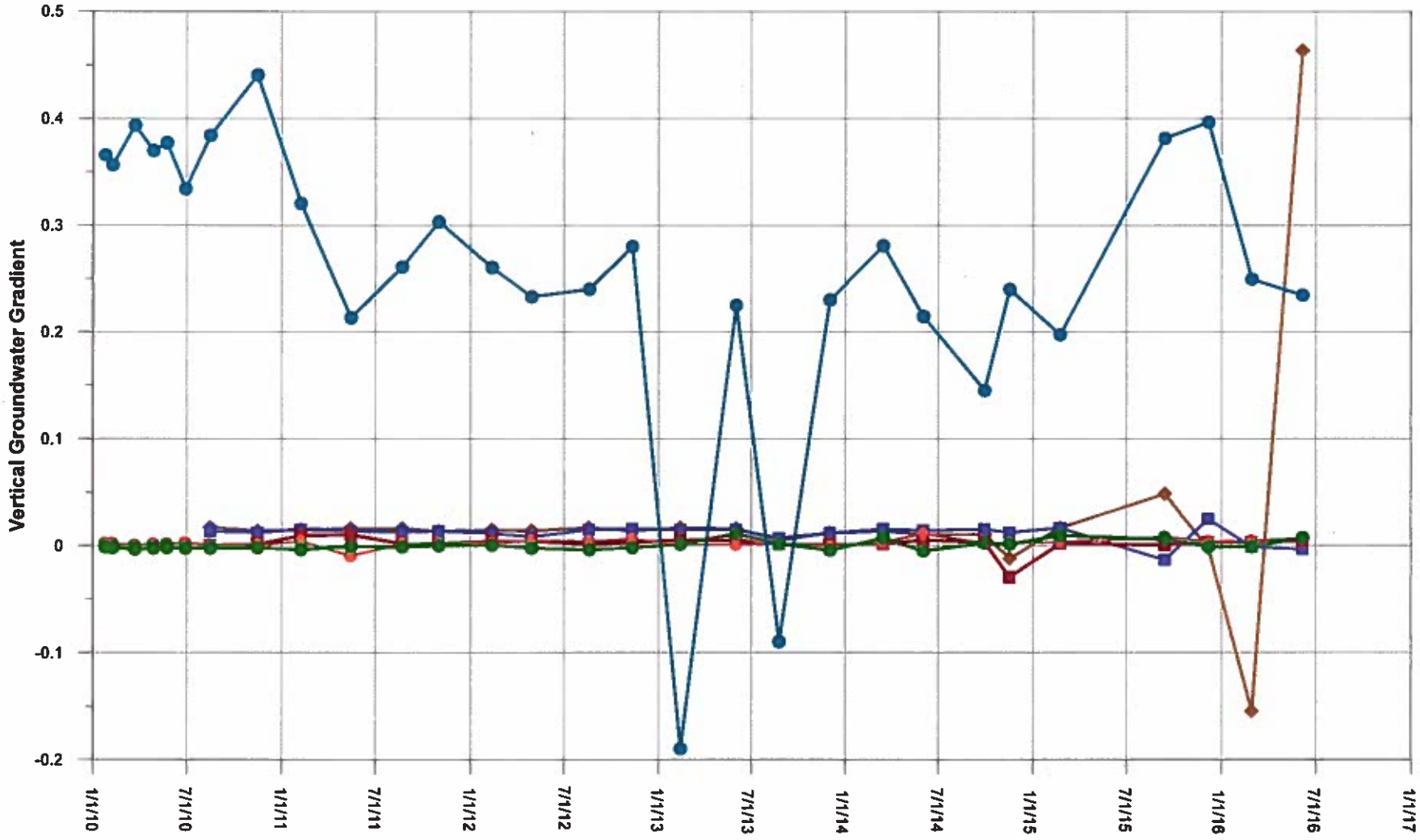
0 65 130 195
Feet

MAP NOTES:

Date: September 14, 2016
Data Sources: AMEC, ESRI, Air photo taken on May 2, 2015 by Google Earth

GSI Water Solutions, Inc.

Document Path: P:\Portland\302 - Baxter\GIS\Arlington_RCRA\Project_mxds\2016_1H_SA_Report\Figure4_GW_Elev_2Q_2016_v2.mxd



Legend:

- MW-25/MW-32, Shallow to Intermediate Zone
- MW-3/MW-33, Shallow to Intermediate Zone
- MW-29/MW-34, Shallow to Intermediate Zone
- MW-29/MW-38, Shallow to Deep Zone
- MW-15/MW-40, Shallow to Deep Zone
- MW-37/MW-41, Intermediate to Deep Zone

Notes:

Vertical groundwater gradients are dimensionless.
Positive values indicate a downward flow direction, while negative values indicate an upward flow direction.
In the vicinity of MW-25 and MW-32, a silt layer is approximately 20' below ground surface, and could account for larger vertical gradient.
1Q 2013 and 3Q 2013, the MW-25/MW-32 vertical gradient shifted from a downward gradient to upward gradient. The associated O&M reports cited numerous high level alarm errors during the 1Q 2013 period that shut the extraction system down, and possible human error as reasons for the change.
Suspect measurement at MW-37 in 2Q 2016.

FIGURE 5
Vertical Groundwater Gradient Trends
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.

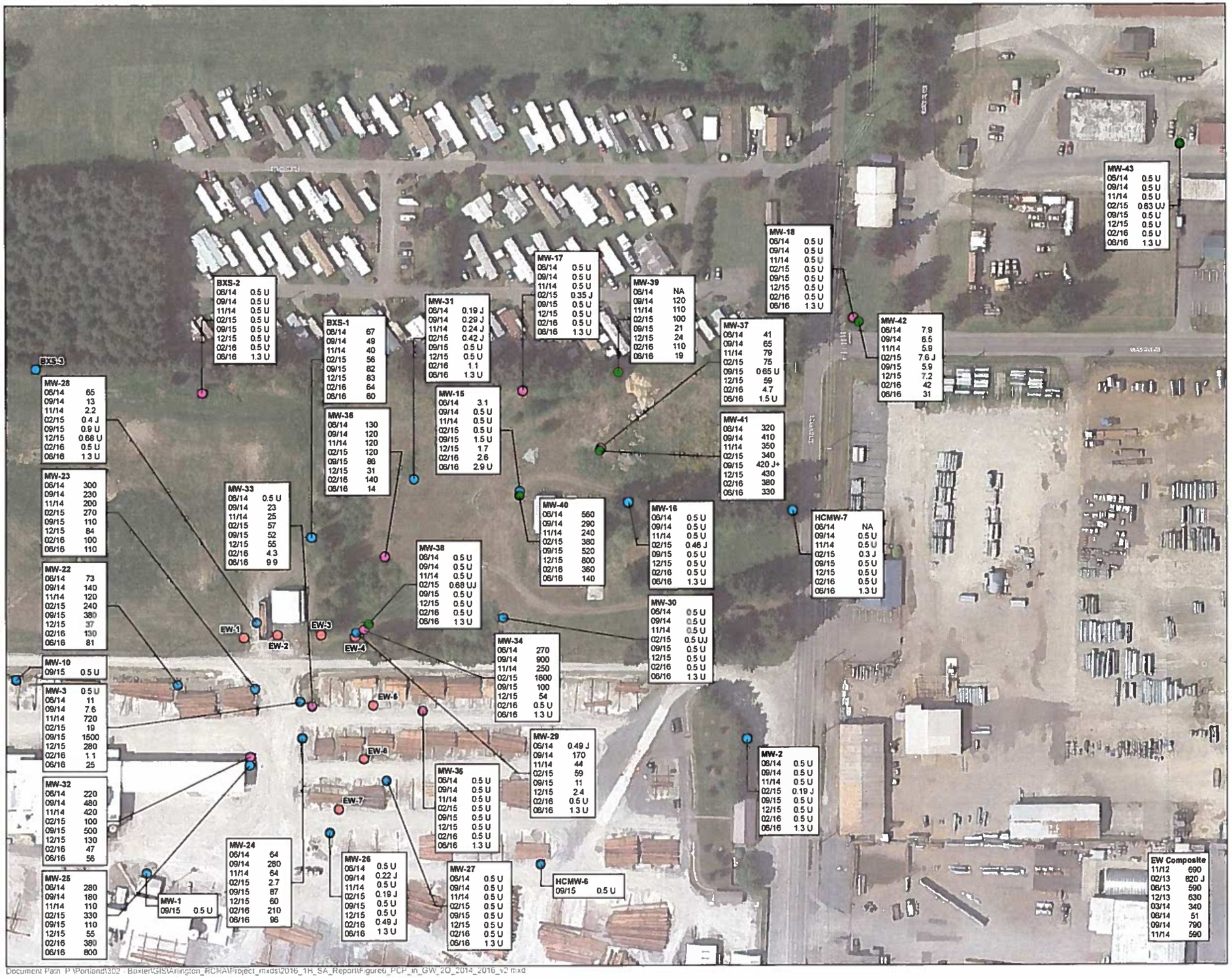


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FIGURE 6

Pentachlorophenol in Groundwater: Second Quarter 2014 - Second Quarter 2016

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Shallow Monitoring Well
- Intermediate Monitoring Well
- Deep Monitoring Well
- Extraction Well

NOTES:

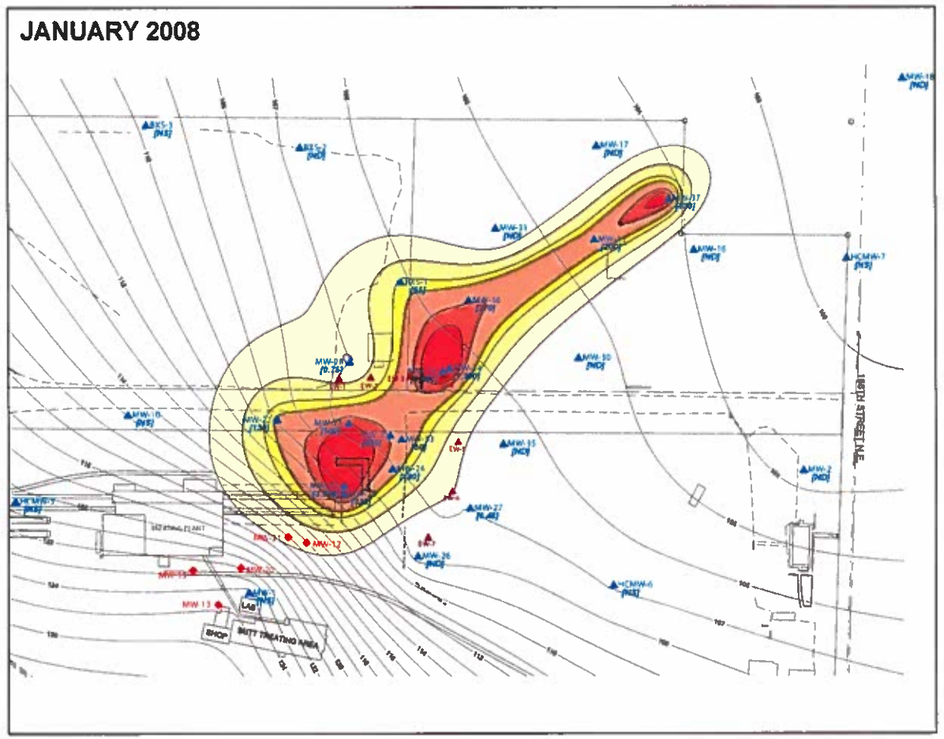
1. Results in µg/L (microgram per liter)
2. Abbreviations:
   - J Estimated Value
   - NA Not Analyzed
   - U Not Detected Above Reporting Limit

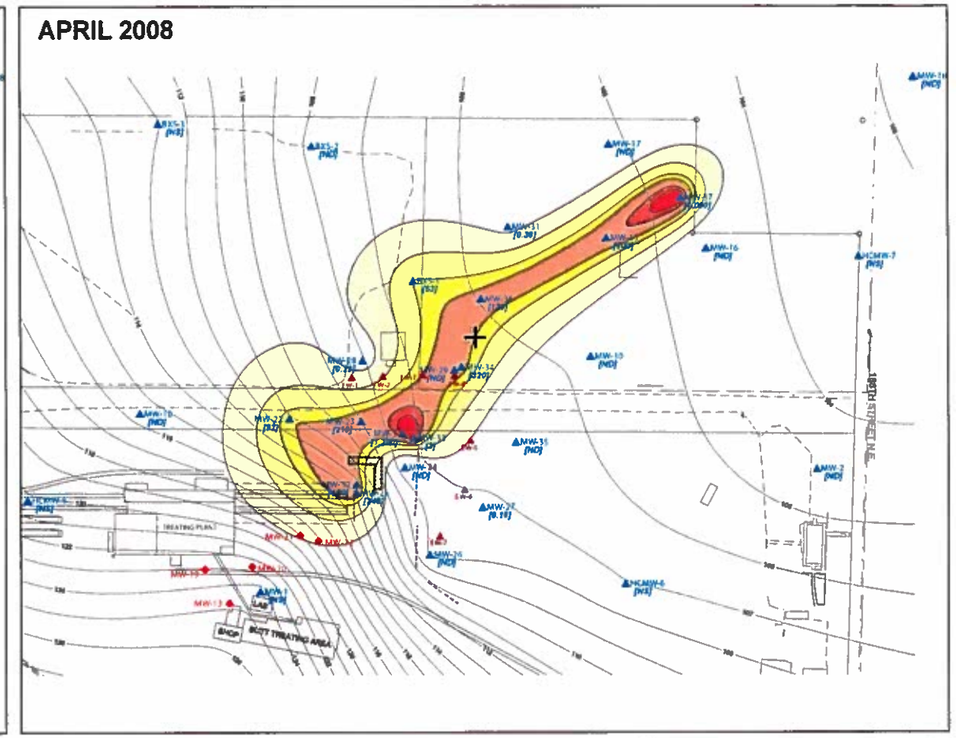
N

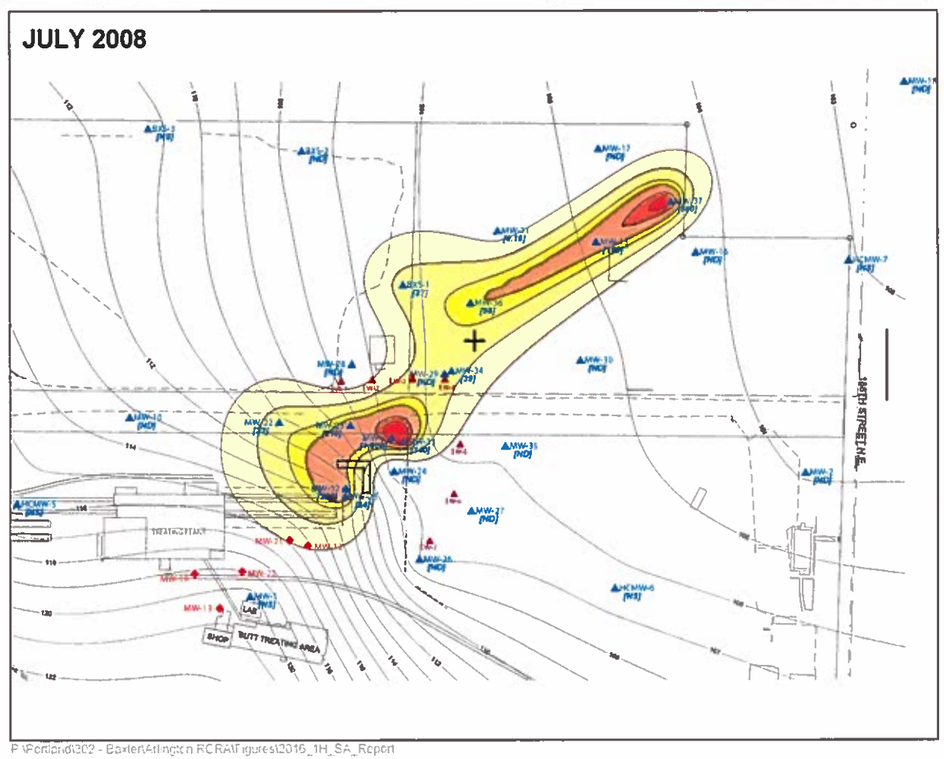
0 65 130 195
Feet

MAP NOTES:
Date: April 8, 2016
Data Sources: AMEC, ESRI, Air photo taken on May 2, 2015 by Google Earth

GSI Water Solutions, Inc.







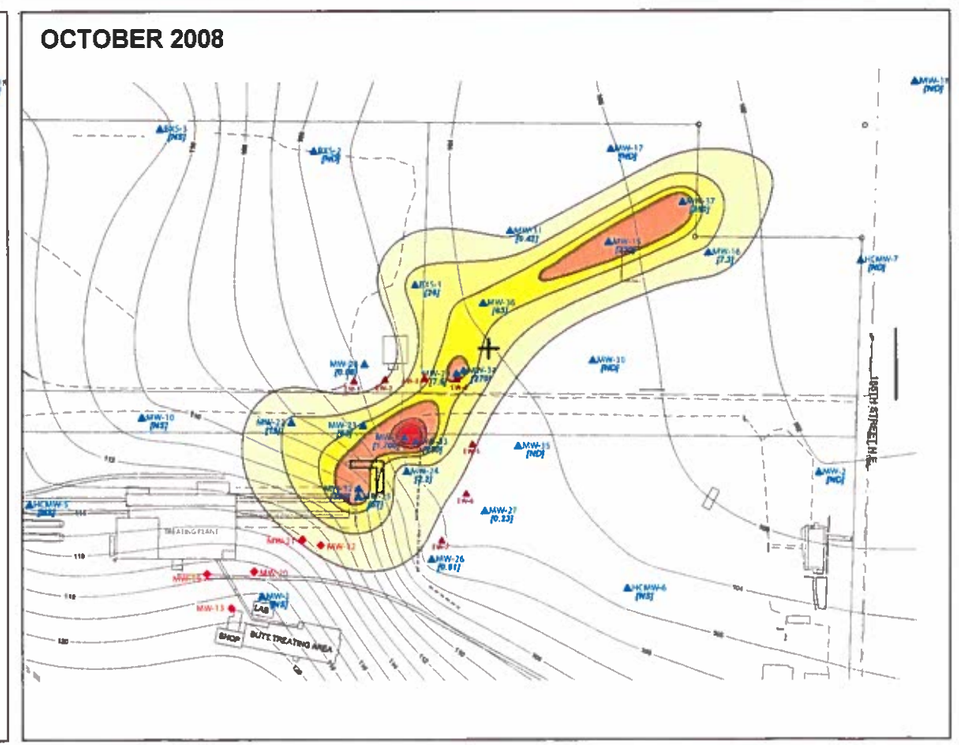


FIGURE 7

Pentachlorophenol Isopleth Map: 2008

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- LNAPL Recovery Well
- Groundwater Extraction Well
- Infiltration Gallery
- ND — Not-Detected
- NS — Not Sampled
- PCP Plume Center of Mass
- 107 — Groundwater Elevation Isopleth

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

PCP Plume Stability Data Summary

January 2008	
Plume Area:	4.4 Acres
Plume Avg. Concentration:	116 ug/L
Plume Mass:	12.4 Pounds
April 2008	
Plume Area:	3.9 Acres
Plume Avg. Concentration:	59.7 ug/L
Plume Mass:	5.7 Pounds
July 2008	
Plume Area:	3.4 Acres
Plume Avg. Concentration:	49.2 ug/L
Plume Mass:	4.1 Pounds
October 2008	
Plume Area:	4.2 Acres
Plume Avg. Concentration:	40.7 ug/L
Plume Mass:	4.1 Pounds

N

0 100 200 300
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: Premier Environmental Services, Inc., Figures 8-11, 03/13/14

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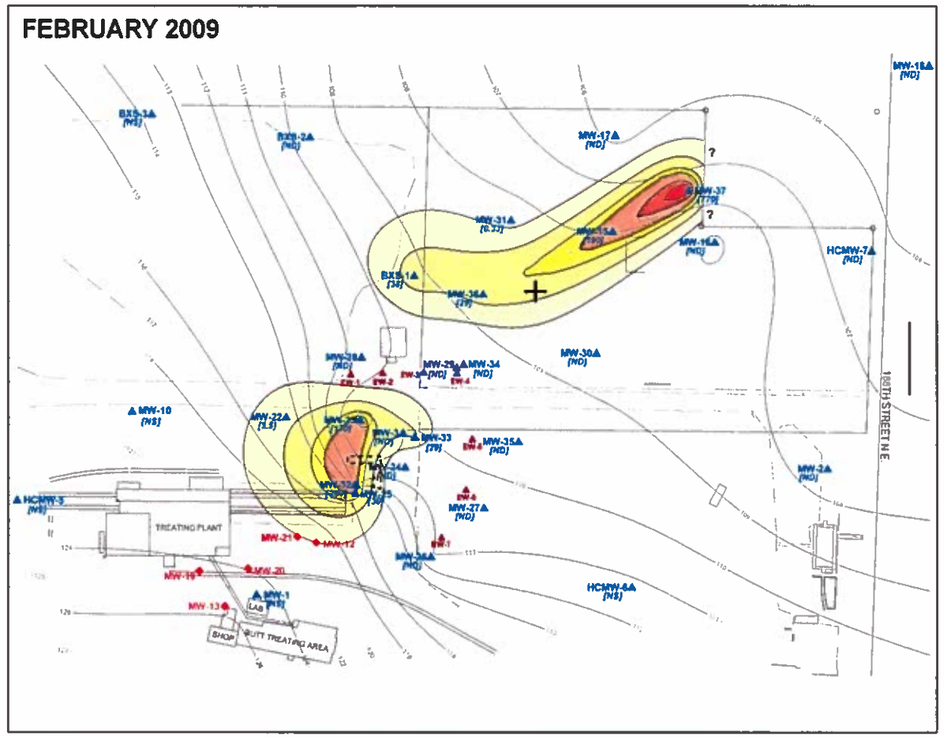

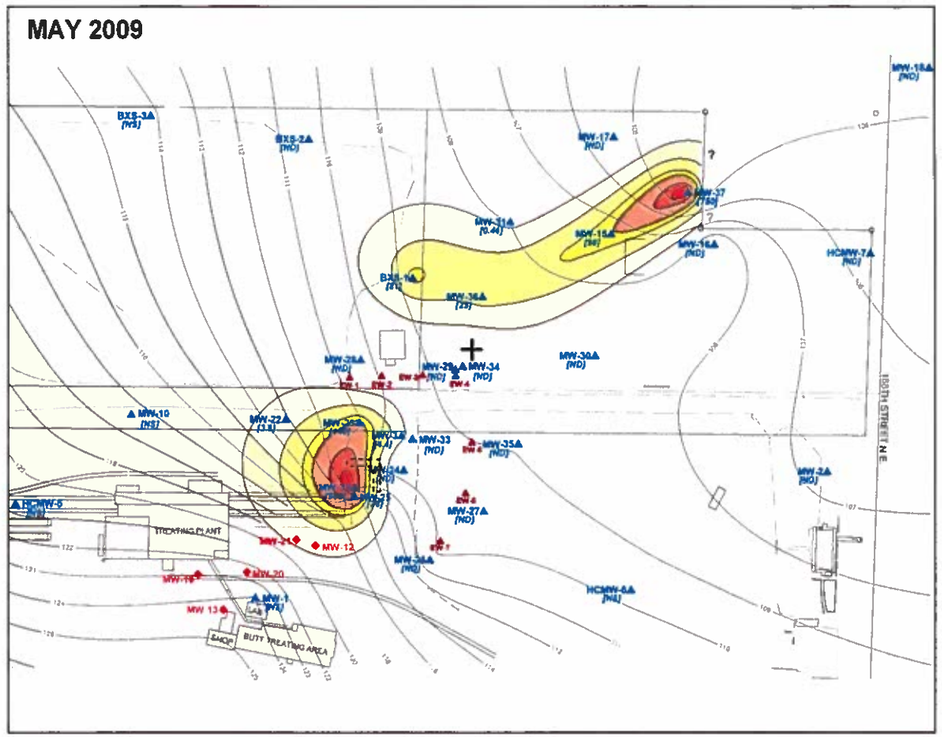

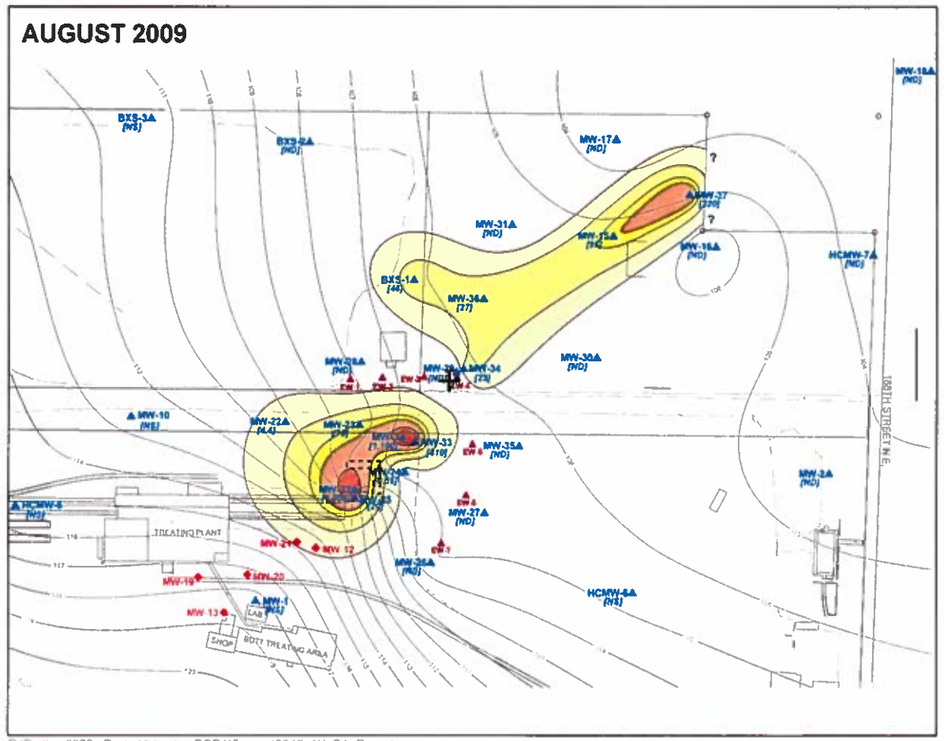

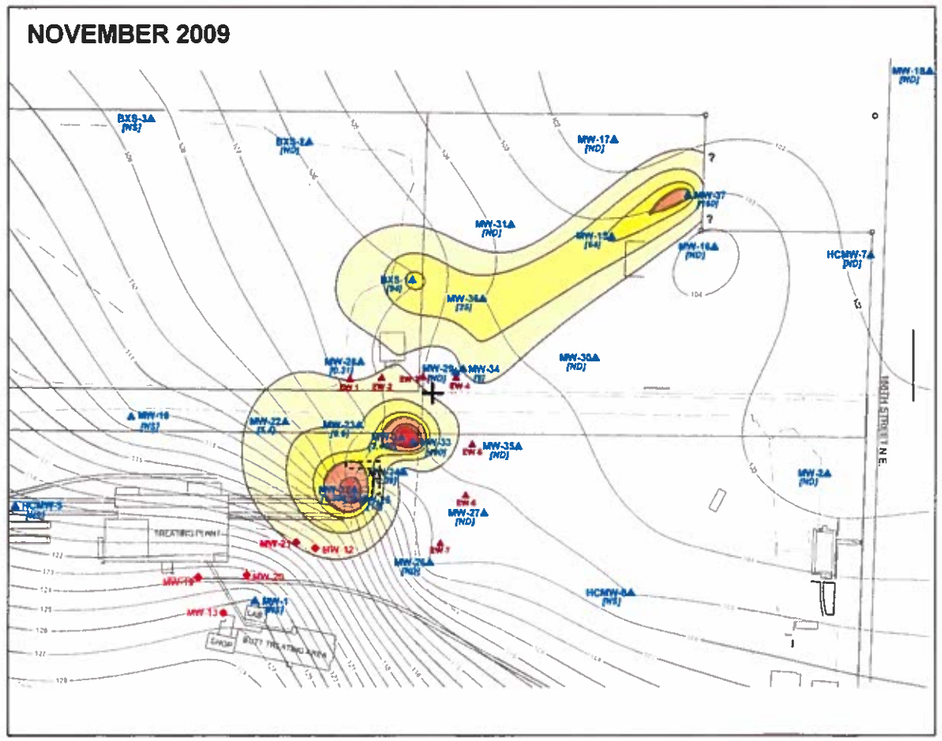

FIGURE 8

Pentachlorophenol Isopleth Map: 2009

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- LNAPL Recovery Well
- Groundwater Extraction Well
- Infiltration Gallery
- ND — Not-Detected
- NS — Not Sampled
- PCP Plume Center of Mass
- 107 — Groundwater Elevation Isopleth

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

PCP Plume Stability Data Summary

February 2009	
Plume Area:	2.7 Acres
Plume Avg. Concentration:	36.3 ug/L
Plume Mass:	2.4 Pounds
May 2009	
Plume Area:	2.7 Acres
Plume Avg. Concentration:	41.9 ug/L
Plume Mass:	2.7 Pounds
August 2009	
Plume Area:	2.8 Acres
Plume Avg. Concentration:	35.8 ug/L
Plume Mass:	2.4 Pounds
November 2009	
Plume Area:	3.1 Acres
Plume Avg. Concentration:	28.3 ug/L
Plume Mass:	2.2 Pounds

N

0 100 200 300
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: Premier Environmental Services, Inc., Figures 12-15, 03/13/14

GSI Water Solutions, Inc.

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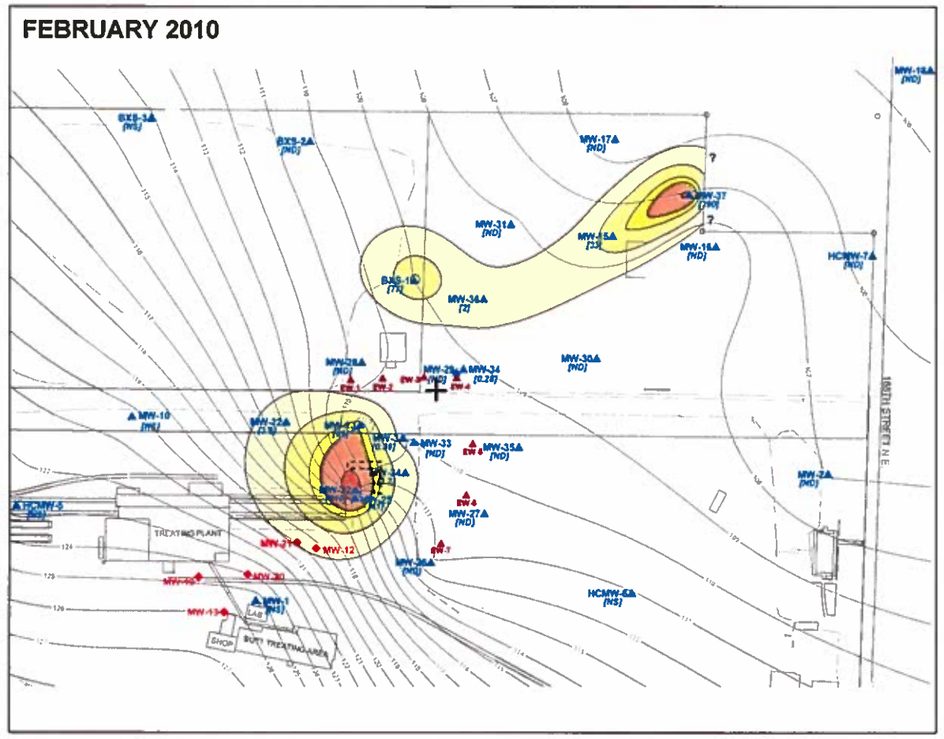

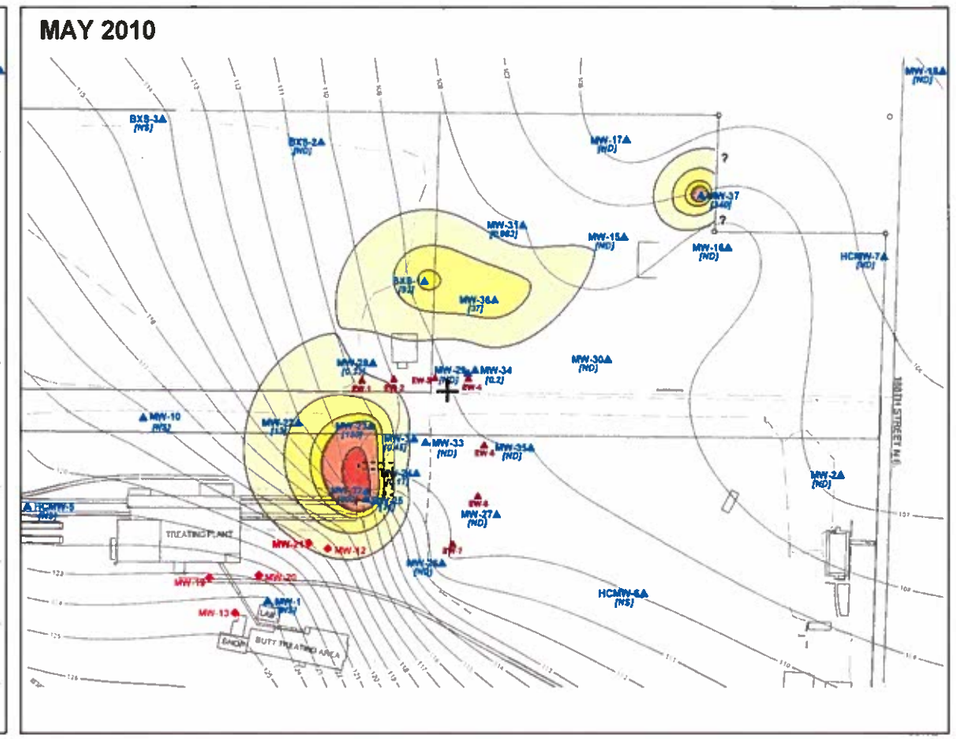

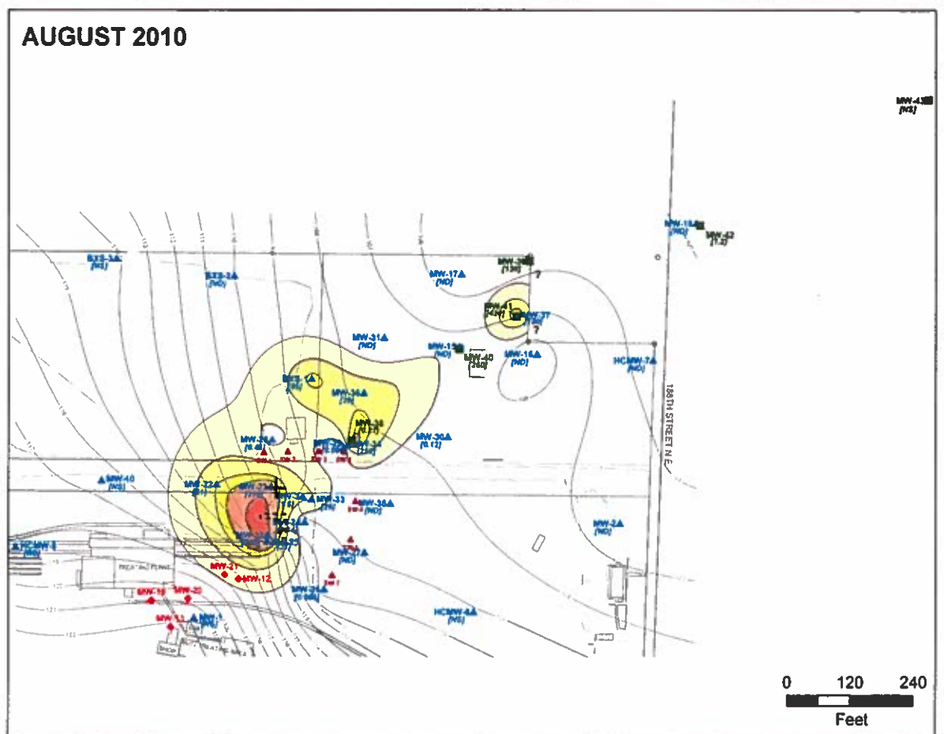

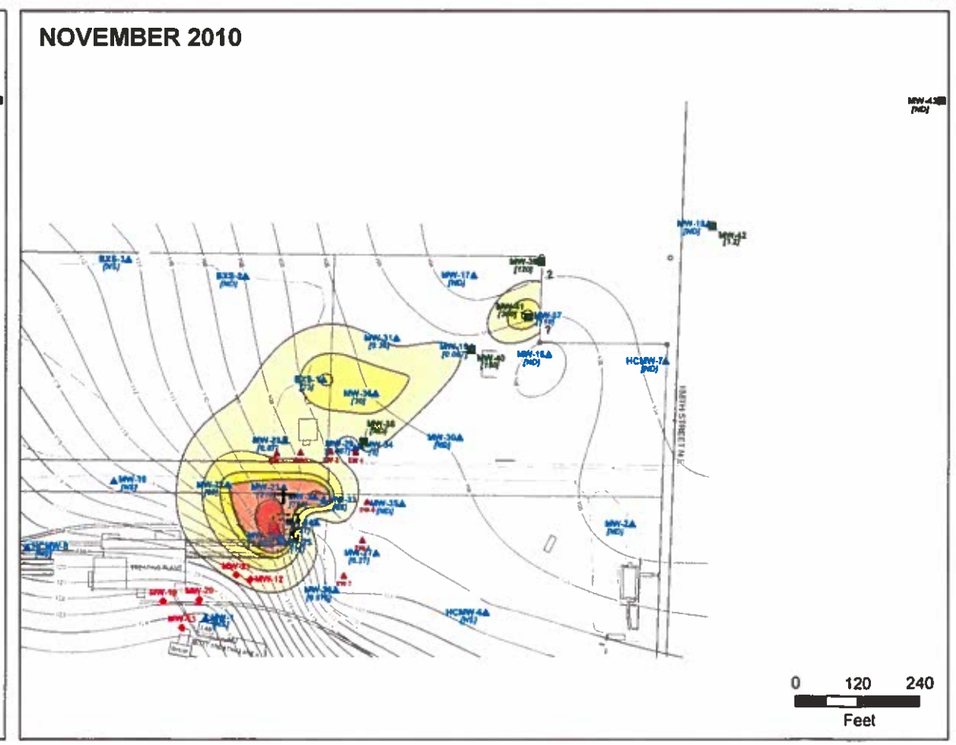

FIGURE 9

Pentachlorophenol Isopleth Map: 2010

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- Deep Monitoring Well and PCP Concentration (ug/L)
- LNAPL Recovery Well
- Groundwater Extraction Well
- Infiltration Gallery
- ND Not-Detected
- NS Not Sampled
- PCP Plume Center of Mass
- 107 Groundwater Elevation Isopleth

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

PCP Plume Stability Data Summary

February 2010	
Plume Area:	2.3 Acres
Plume Avg. Concentration:	28.1 ug/L
Plume Mass:	1.6 Pounds
May 2010	
Plume Area:	2.7 Acres
Plume Avg. Concentration:	28.9 ug/L
Plume Mass:	1.9 Pounds
August 2010	
Plume Area:	3.3 Acres
Plume Avg. Concentration:	30.7 ug/L
Plume Mass:	2.5 Pounds
November 2010	
Plume Area:	3.7 Acres
Plume Avg. Concentration:	35.4 ug/L
Plume Mass:	3.2 Pounds

N

0 100 200 300
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: Premier Environmental Services, Inc., Figures 16-19, 03/13/14

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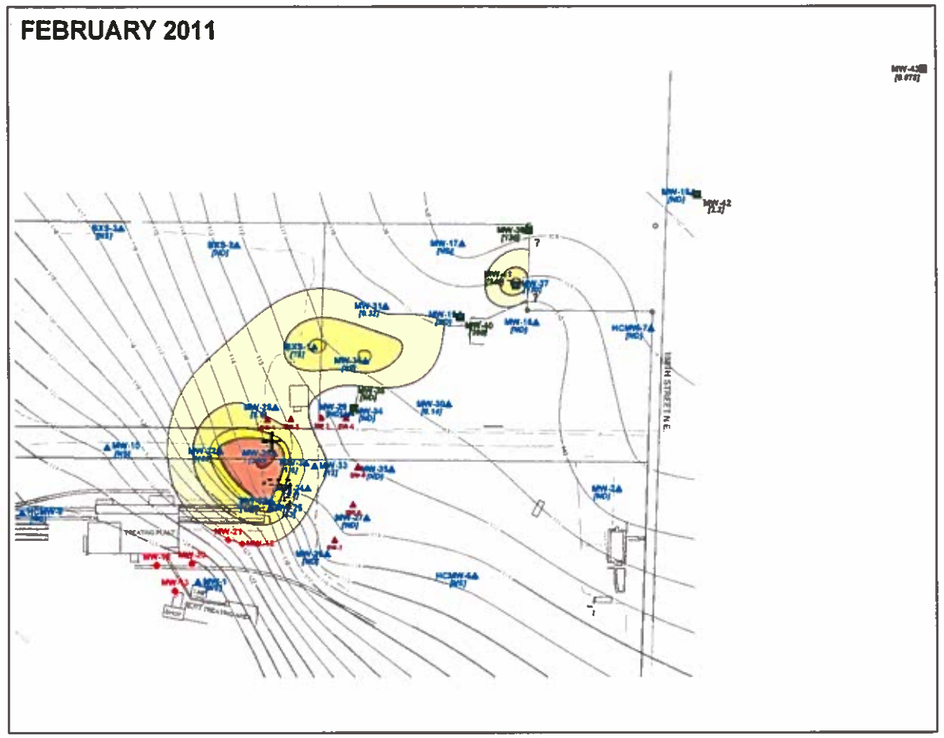

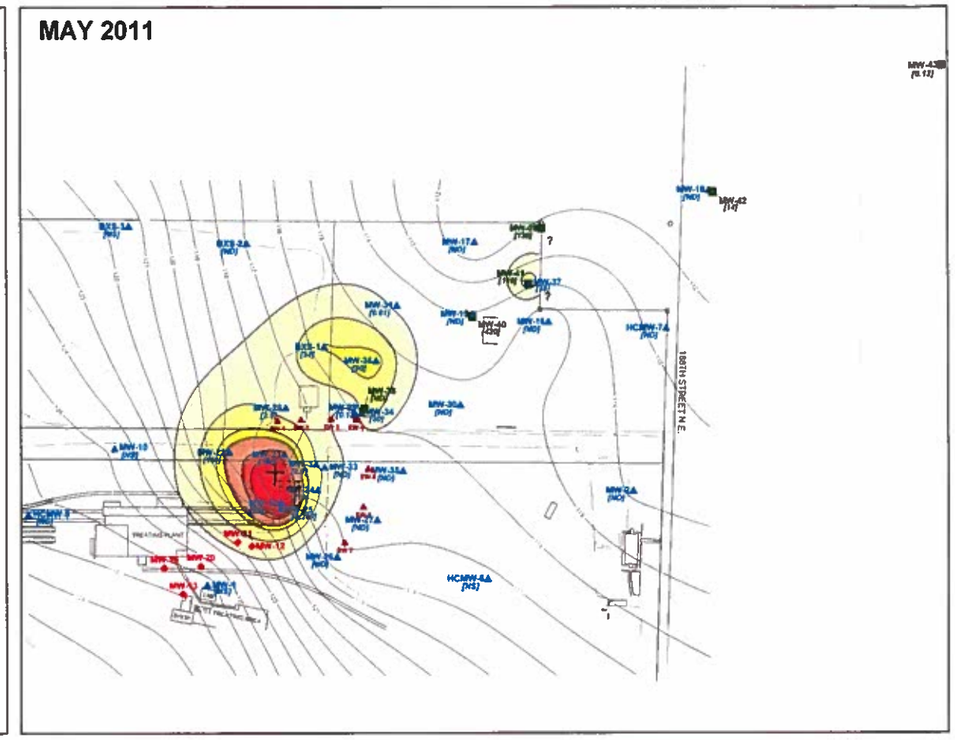

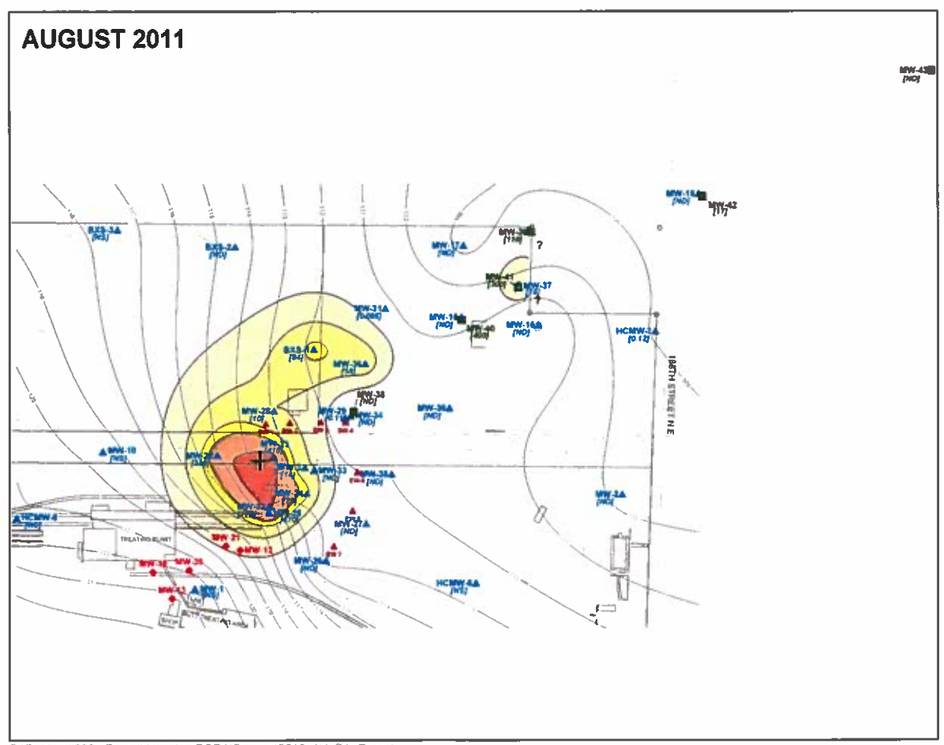

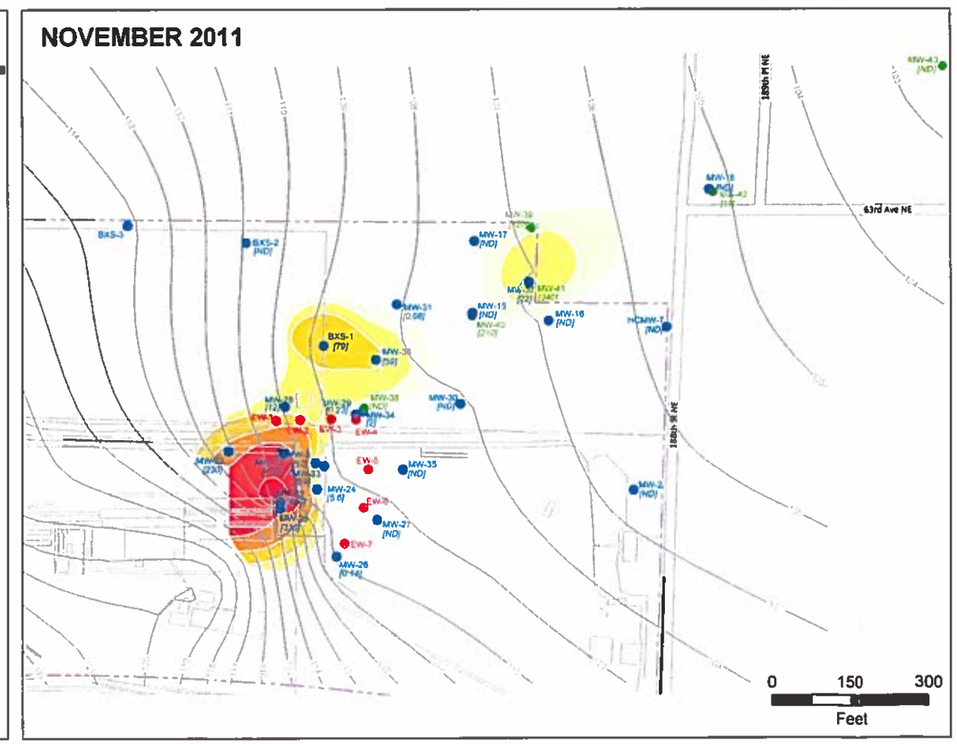

FIGURE 10

Pentachlorophenol Isopleth Map: 2011

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- Deep Monitoring Well and PCP Concentration (ug/L)
- LNAPL Recovery Well
- Groundwater Extraction Well
- Infiltration Gallery
- ND — Not-Detected
- NS — Not Sampled
- PCP Plume Center of Mass
- 107 — Groundwater Elevation Isopleth

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

PCP Plume Stability Data Summary

February 2011	
Plume Area:	3.5 Acres
Plume Avg. Concentration:	26.3 ug/L
Plume Mass:	2.2 Pounds
May 2011	
Plume Area:	3.6 Acres
Plume Avg. Concentration:	70.1 ug/L
Plume Mass:	6.2 Pounds
August 2011	
Plume Area:	3.4 Acres
Plume Avg. Concentration:	45.8 ug/L
Plume Mass:	3.8 Pounds
November 2011	
Plume Area:	Not Measured
Plume Avg. Concentration:	Not Measured
Plume Mass:	Not Measured

N

0 120 240 360
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: Premier Environmental Services, Inc., EarthCon, AMEC, Figures 20-23, 03/13/14

GSI Water Solutions, Inc.

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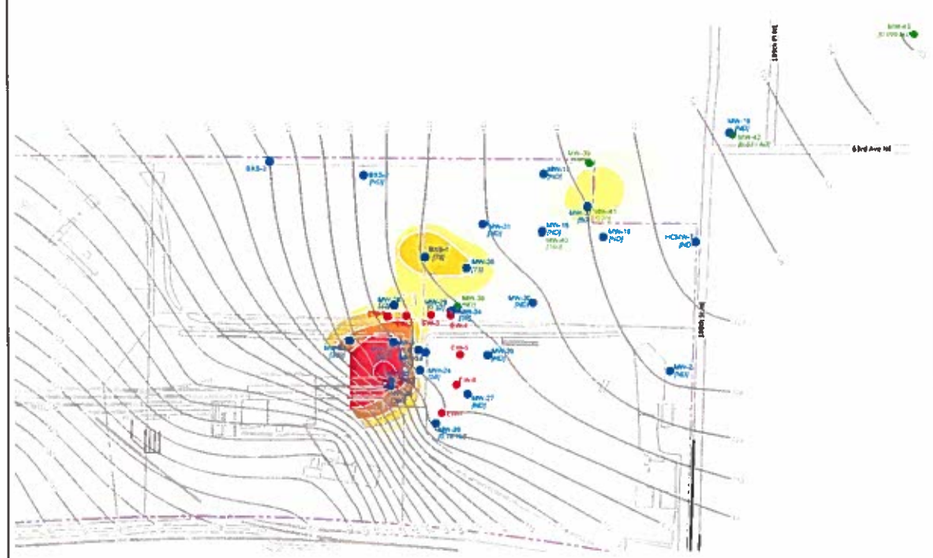
FIGURE 11

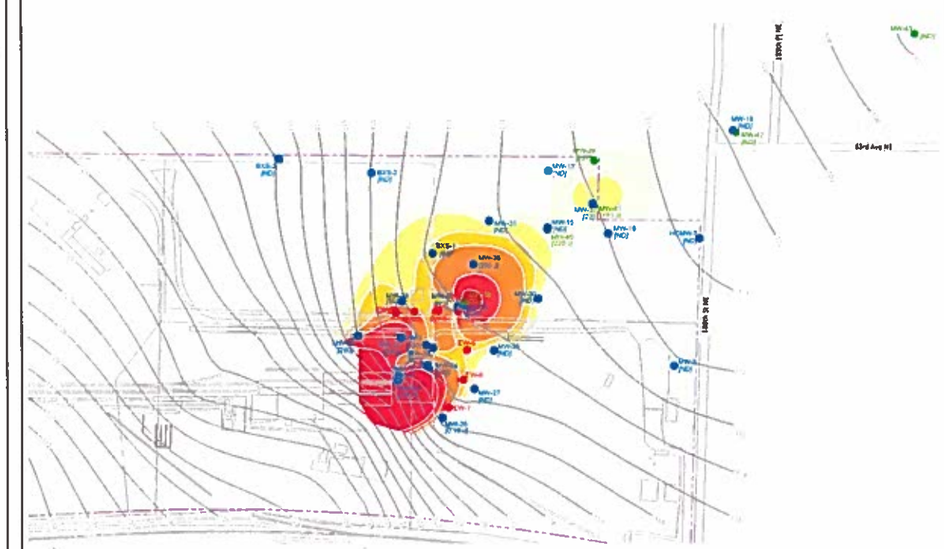
Pentachlorophenol Isopleth Map: 2012

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

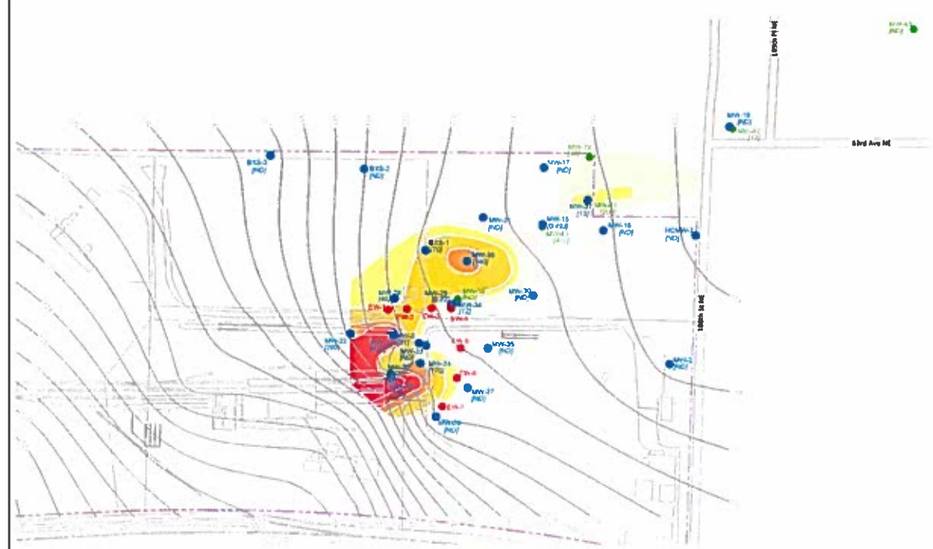
FEBRUARY 2012



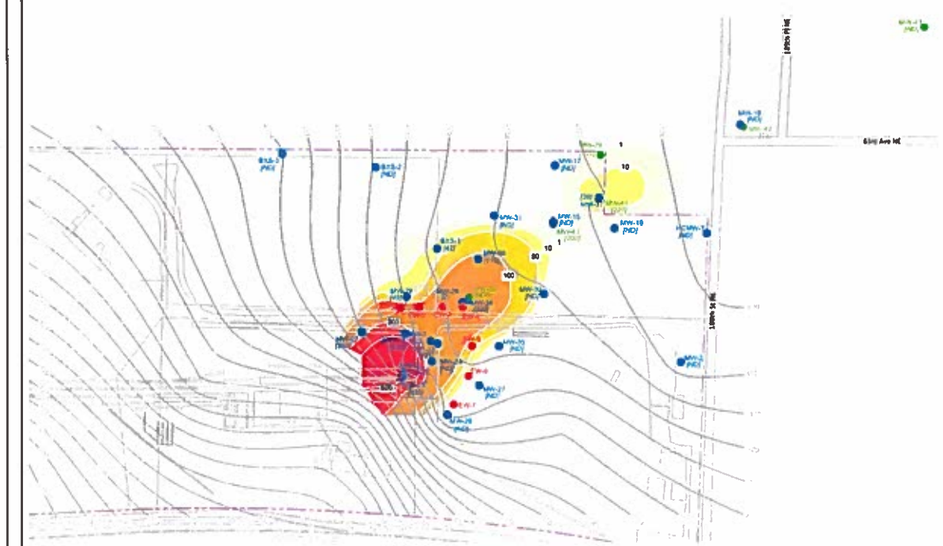
MAY 2012



AUGUST 2012



NOVEMBER 2012



LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- Deep Monitoring Well and PCP Concentration (ug/L)
- LNAPL Recovery Well
- Groundwater Extraction Well
- Infiltration Gallery
- ND Not-Detected
- NA Not Analyzed
- 107 Groundwater Elevation Isopleth

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

N

0 150 300 450
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: AMEC, Figures 24-27, March 2014

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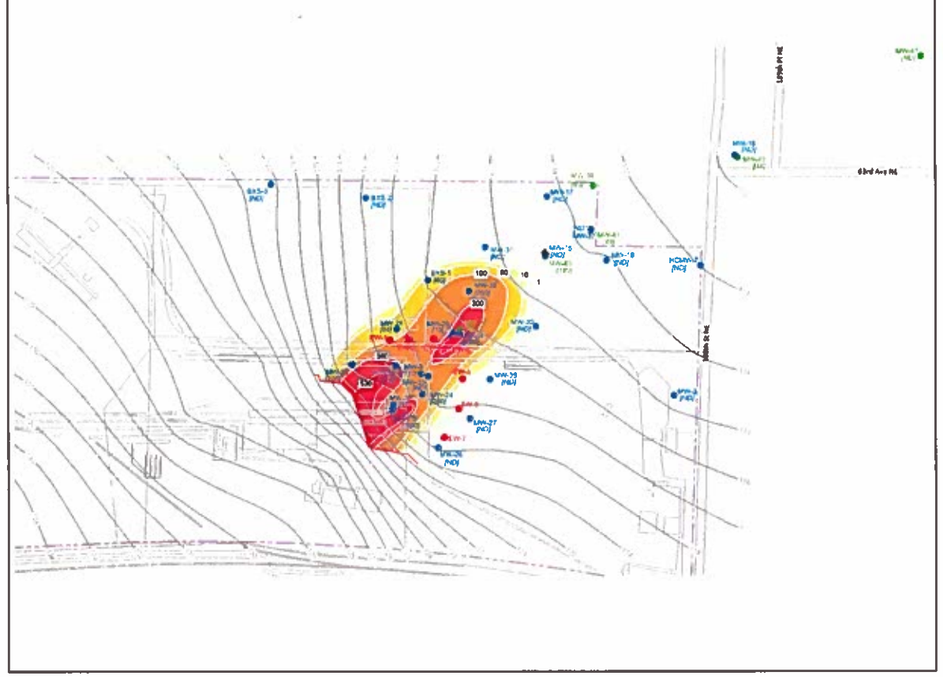
FIGURE 12

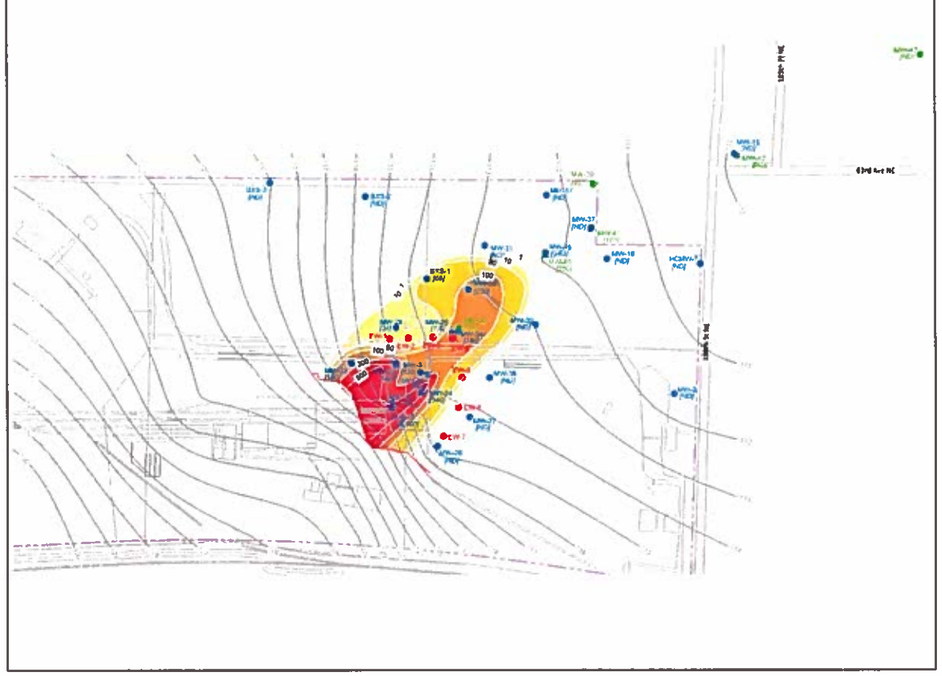
Pentachlorophenol Isopleth Map: 2013

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

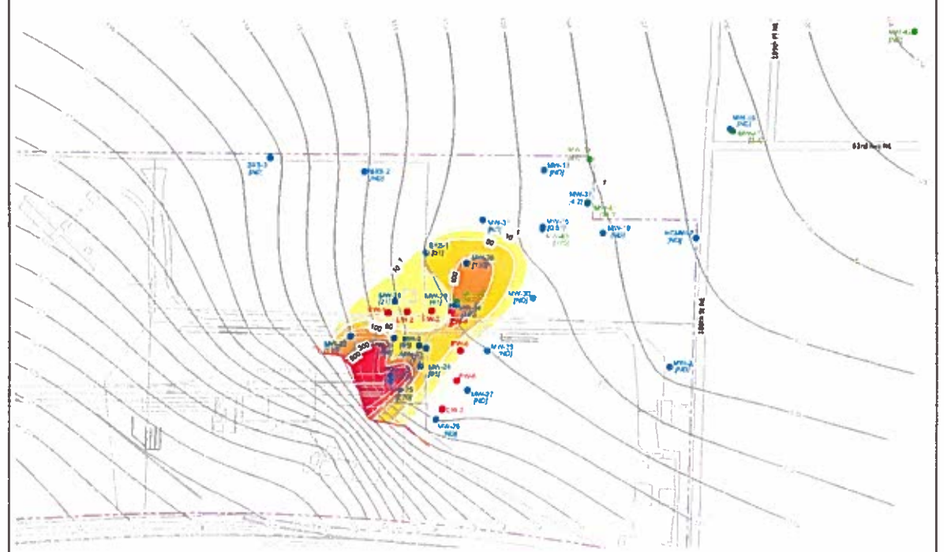
FEBRUARY 2013



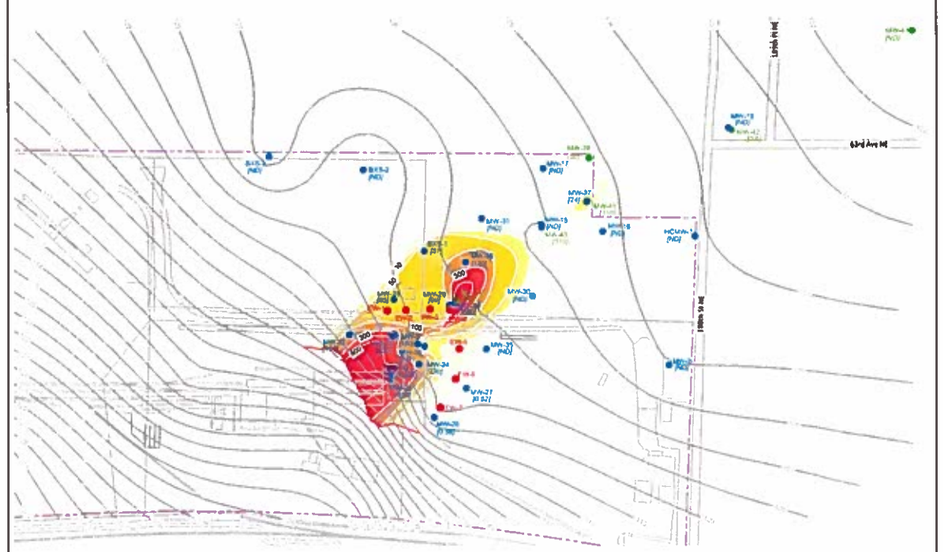
JUNE 2013



AUGUST 2013



DECEMBER 2013



LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- Deep Monitoring Well and PCP Concentration (ug/L)
- LNAPL Recovery Well
- Groundwater Extraction Well
- Infiltration Gallery
- ND Not-Detected
- NA Not Analyzed
- 107 Groundwater Elevation Isopleth

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

N

0 150 300 450
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: AMEC, Figures 28-31, March 2014

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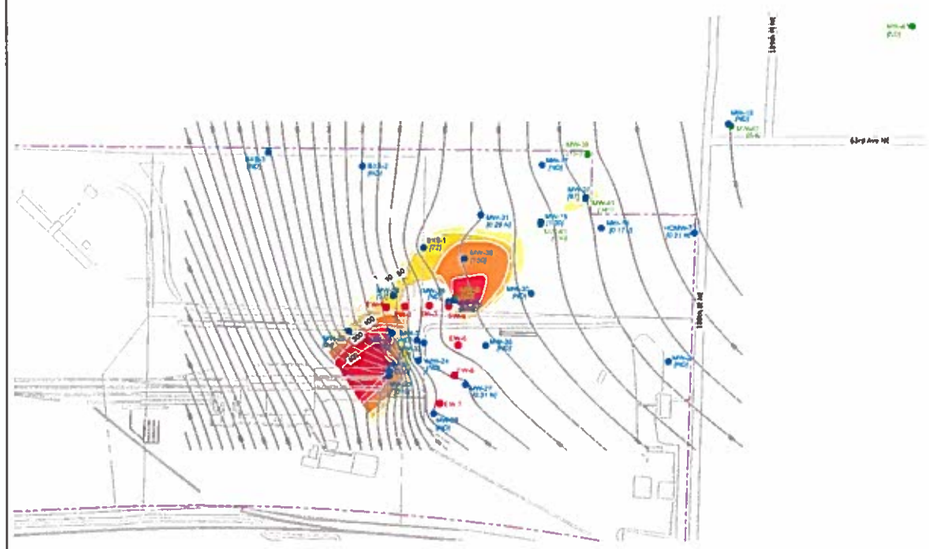
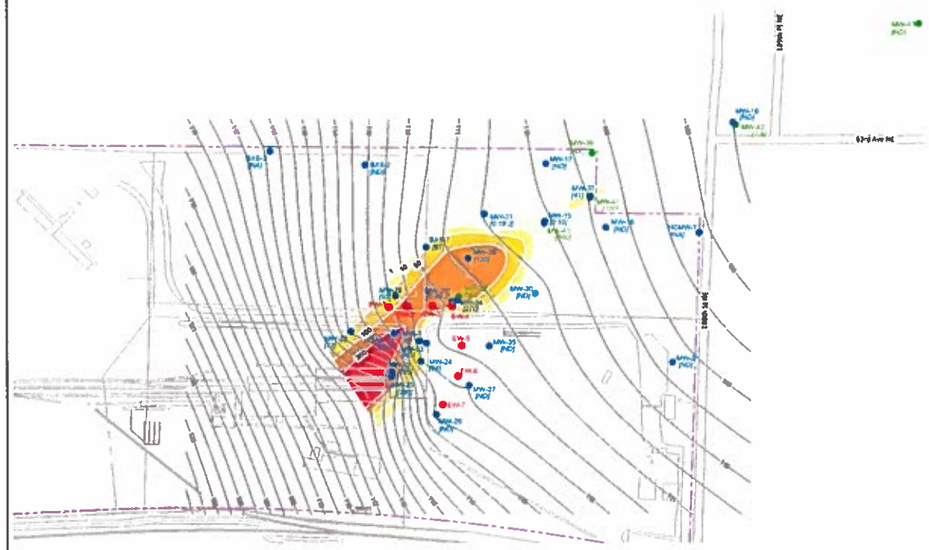
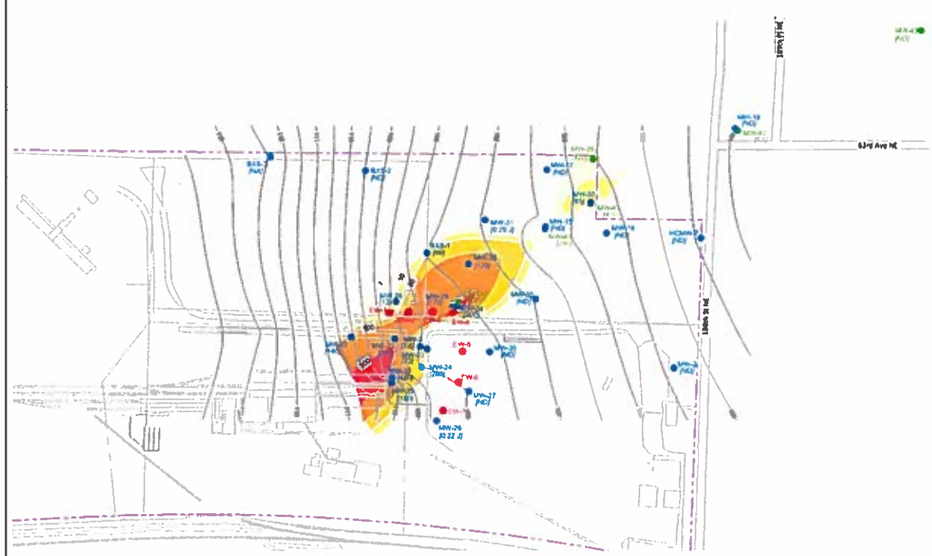
MARCH 2014



JUNE 2014



SEPTEMBER 2014



NOVEMBER 2014

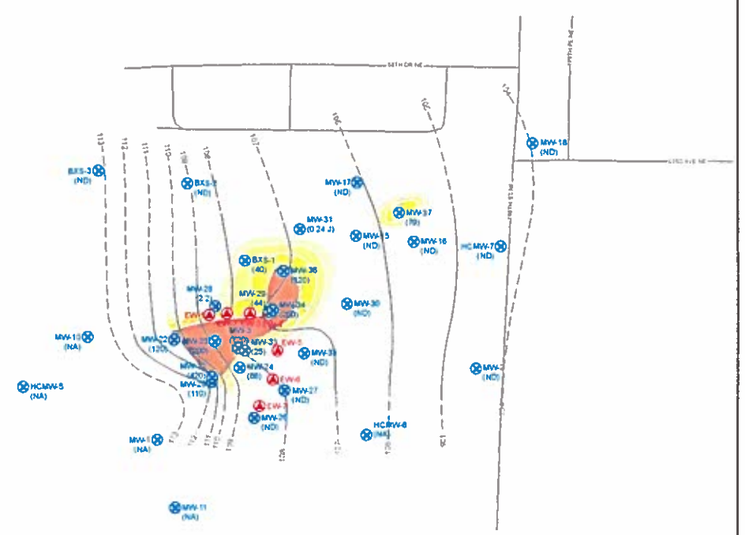


FIGURE 13

Pentachlorophenol Isopleth Map: 2014

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- Deep Monitoring Well and PCP Concentration (ug/L)
- LNAPL Recovery Well
- Groundwater Extraction Well
- Infiltration Gallery
- ND Not-Detected
- NA Not Analyzed
- 107 Groundwater Elevation Isopleth

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

N

0 150 300 450
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: AMEC, Figures 32-34, March 2014

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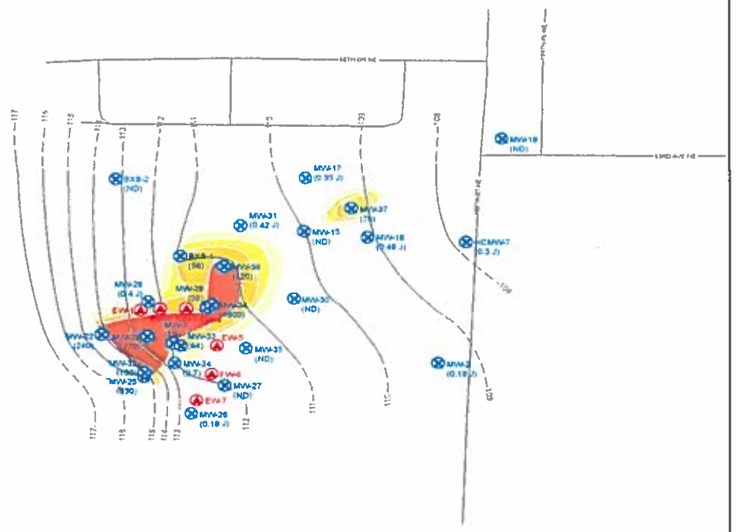
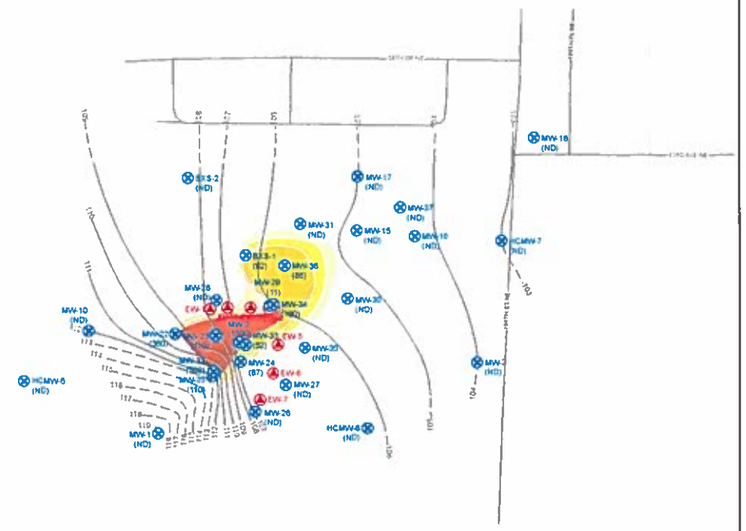
FEBRUARY 2015



SEPTEMBER 2015



DECEMBER 2015

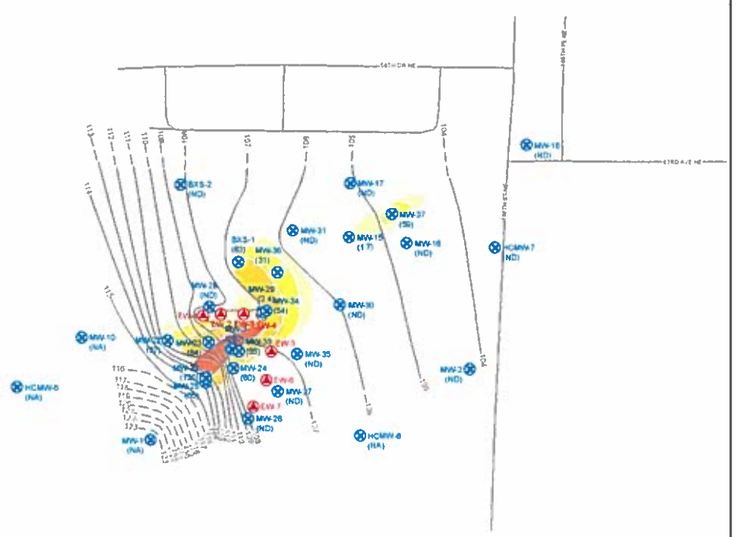


FIGURE 14

Pentachlorophenol Isopleth Map: 2015

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- Deep Monitoring Well and PCP Concentration (ug/L)
- LNAPL Recovery Well
- Groundwater Extraction Well
- Infiltration Gallery
- ND Not-Detected
- NA Not Analyzed
- 107 Groundwater Elevation Isopleth

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

NOTE:
The second quarter 2015 monitoring event was postponed, with EPA's approval, due to recirculation trench rehabilitation work conducted in July 2015.

N

0 150 300 450
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: AMEC, Figures 32-34, March 2014

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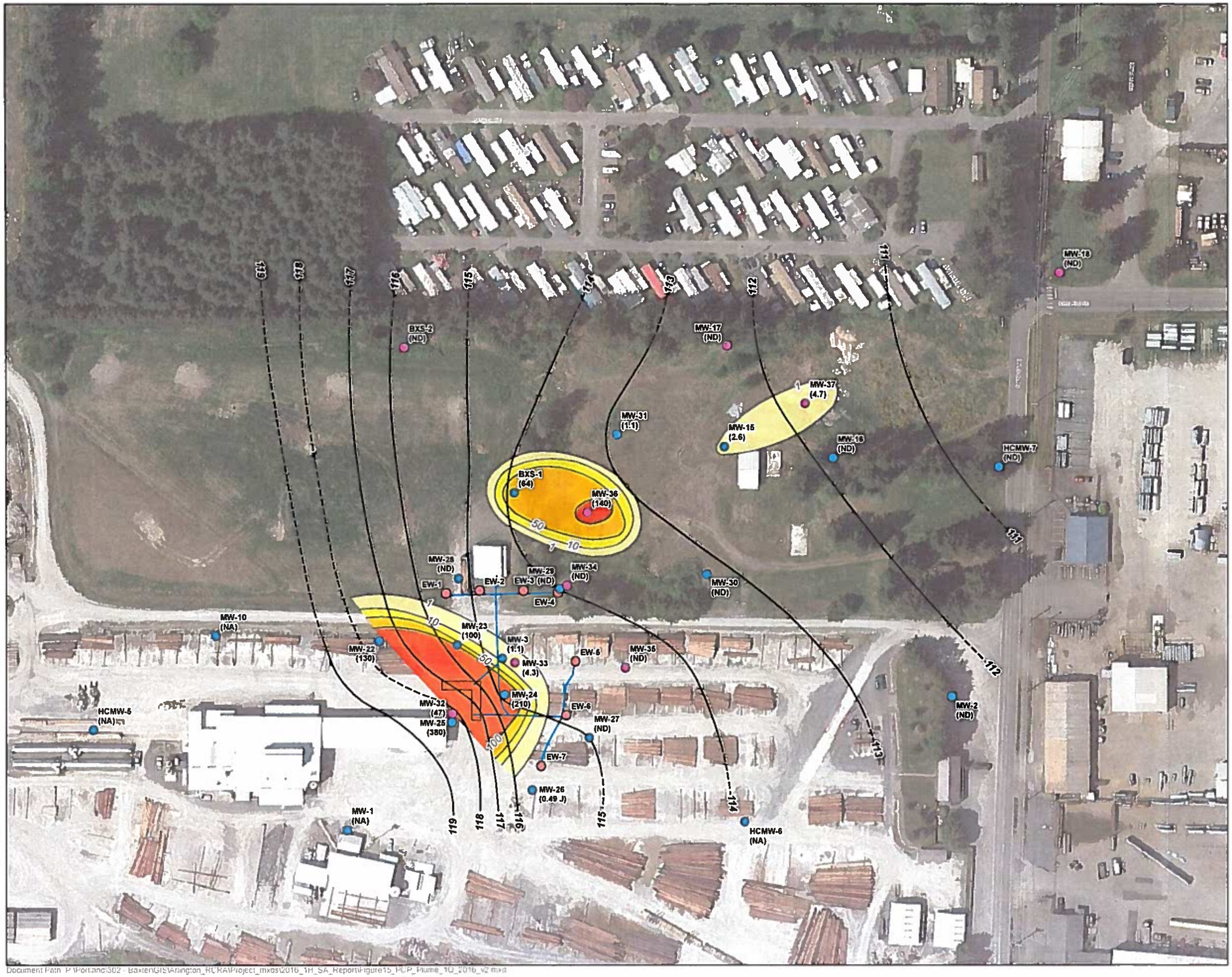

FIGURE 15

Pentachlorophenol Isopleth Map: First Quarter 2016

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Shallow Monitoring Well and Pentachlorophenol (PCP) Concentration (µg/L) February 2016
- Intermediate Monitoring Well and PCP Concentration (µg/L) February 2016

Pentachlorophenol Concentrations (µg/L)

- >100
- >50 - 100
- >10 - 50
- >1 - 10

All Other Features

- Extraction Well
- Infiltration Gallery Piping
- Infiltration Trench
- Groundwater Elevation Contours (dashed where inferred)

NOTES:

1. Results in µg/L.
2. All elevations exist in the North American Vertical Datum of 1988.
3. Abbreviations:
   NA Not Analyzed
   ND Not Detected

N

0 65 130 195
Feet

MAP NOTES:

Date: July 27, 2016
Data Sources: AMEC, ESRI. Air photo taken on May 2, 2015 by Google Earth

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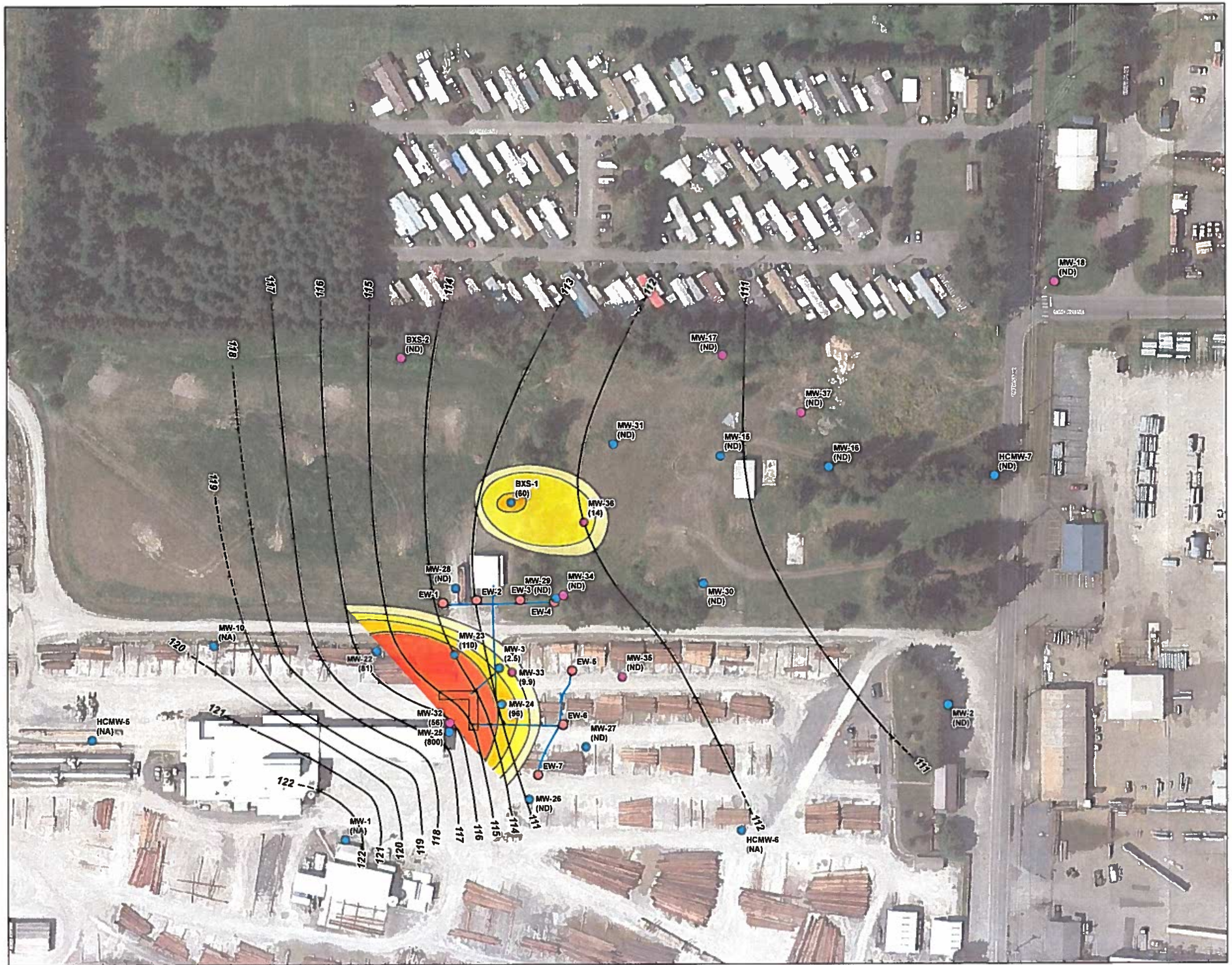


FIGURE 16

Pentachlorophenol Isopleth Map: Second Quarter 2016

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Shallow Monitoring Well and Pentachlorophenol (PCP) Concentration (µg/L) June 2016
- Intermediate Monitoring Well and PCP Concentration (µg/L) June 2016

Pentachlorophenol Concentrations (µg/L)

- >100
- >50 - 100
- >10 - 50
- >1 - 10

All Other Features

- Extraction Well
- Infiltration Gallery Piping
- Infiltration Trench
- Groundwater Elevation Contours (dashed where inferred)

NOTES:

1. Results in µg/L.
2. All elevations exist in the North American Vertical Datum of 1988.
3. Abbreviations:
   NA Not Analyzed
   ND Not Detected

N

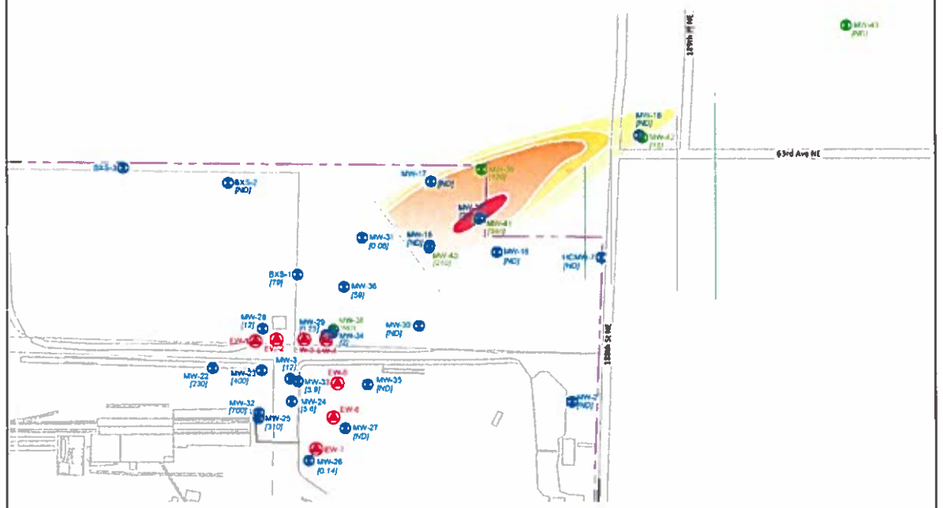
0 65 130 195
Feet

MAP NOTES:
Date: April 8, 2016
Data Sources: AMEC, ESRI, Air photo taken on May 2, 2015 by Google Earth

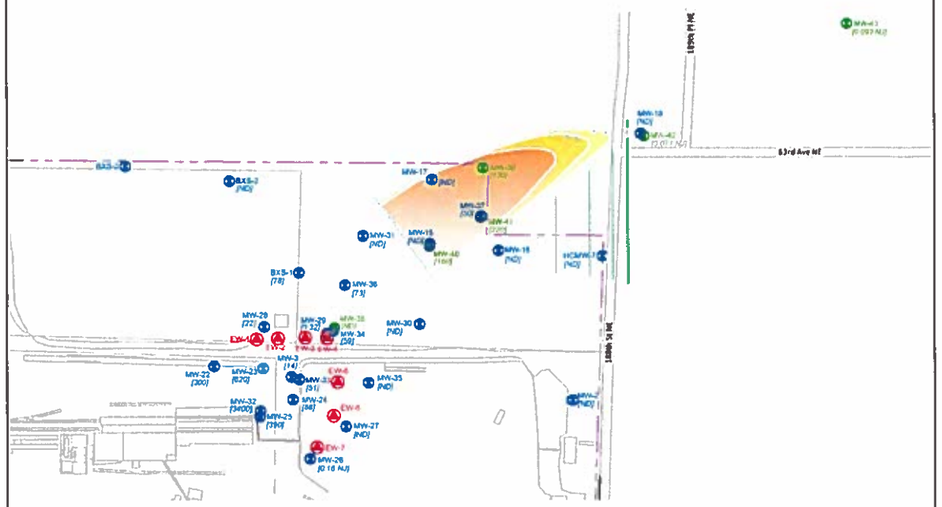
GSI Water Solutions, Inc.

Document Path: P:\Portland\302 - Baxter\GIS\Arlington_RCRA\Project_mxds\2016_1H_SA_Report\Figure16_PCP_Plume_2Q_2016_v2.mxd

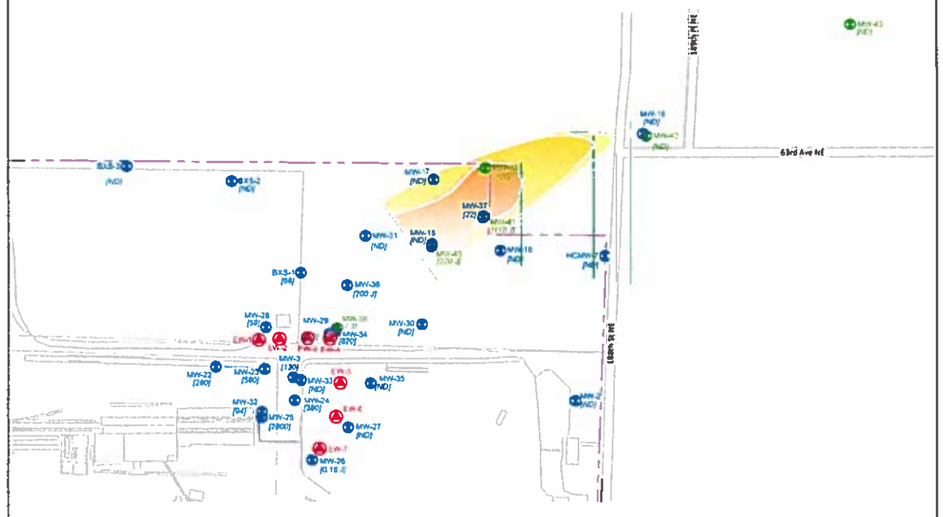
NOVEMBER 2011



FEBRUARY 2012



MAY 2012



AUGUST 2012

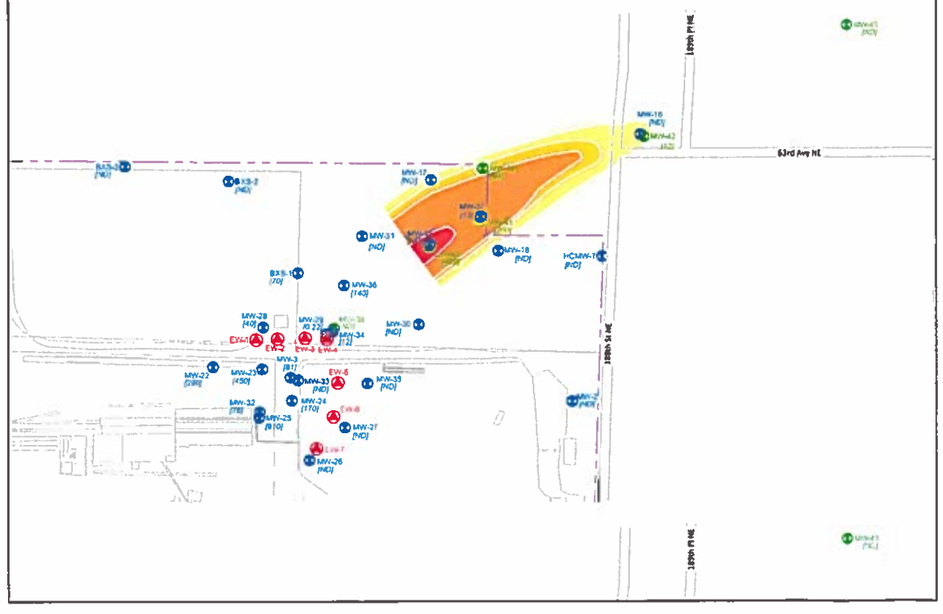


FIGURE 17

Pentachlorophenol Isopleth Map, Deep Zone: Fourth Quarter 2011 - Third Quarter 2012

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- Deep Monitoring Well and PCP Concentration (ug/L)
- Groundwater Extraction Well
- Site Boundary
- ND Not-Detected
- NA Not Analyzed

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

N

0 175 250 325
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: AMEC, Figures 35 + 36, August 2014

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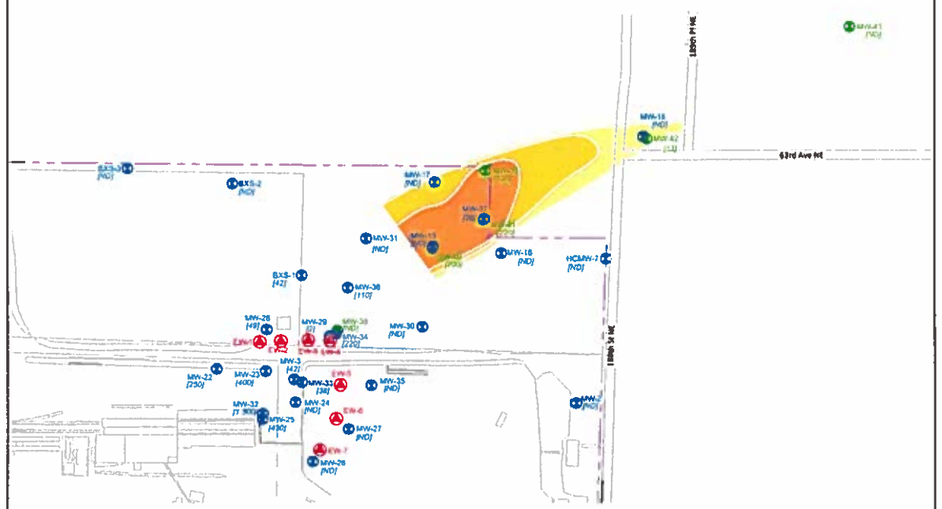
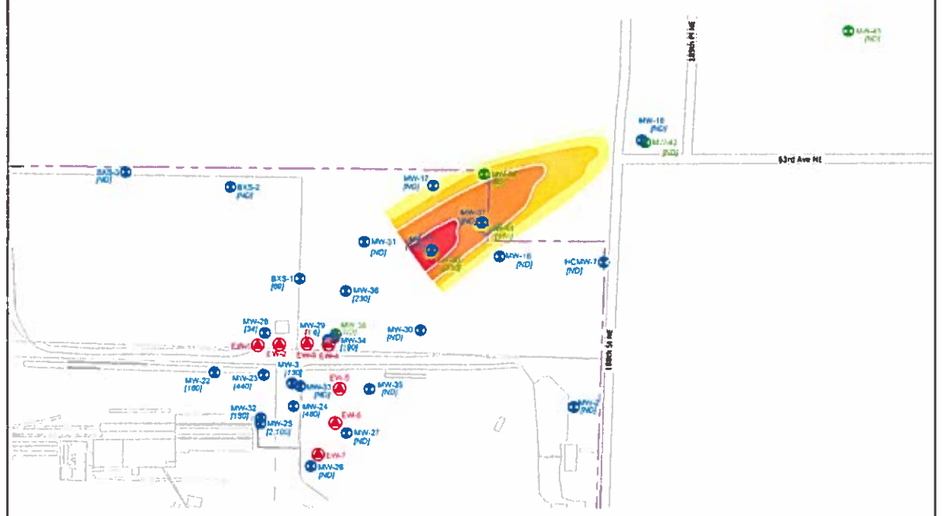
NOVEMBER 2012



FEBRUARY 2013

JUNE 2013



AUGUST 2013

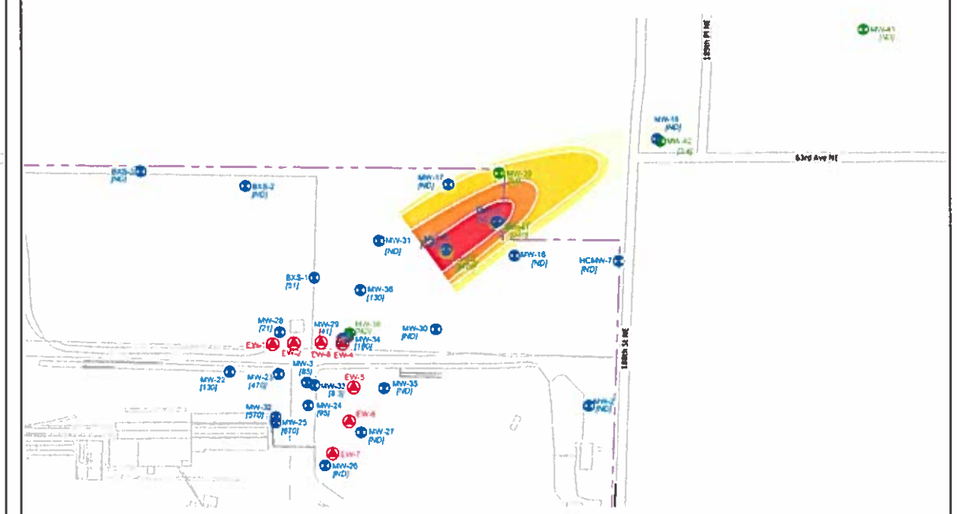


FIGURE 18

Pentachlorophenol Isopleth Map, Deep Zone: Fourth Quarter 2012 - Third Quarter 2013

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- Deep Monitoring Well and PCP Concentration (ug/L)
- Groundwater Extraction Well
- Site Boundary
- ND Not-Detected
- NA Not Analyzed

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

N

0 175 250 325
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: AMEC, Figure 36 + 37, August 2014

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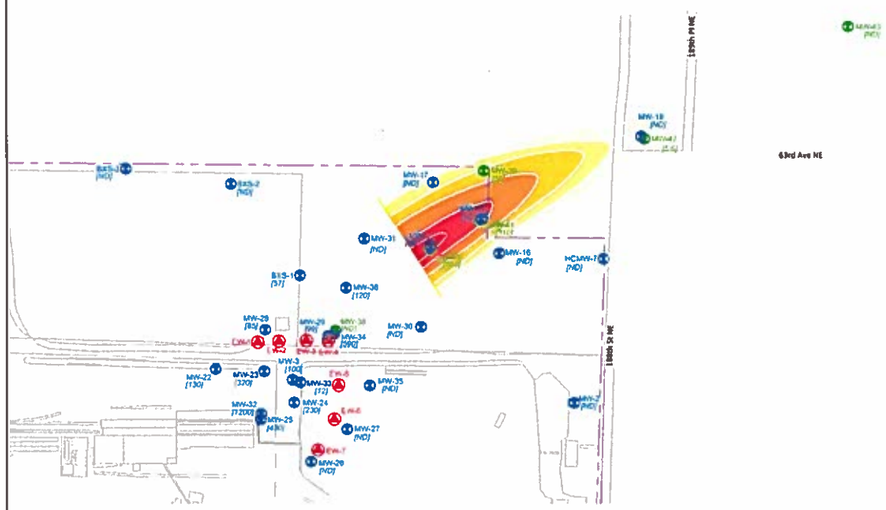
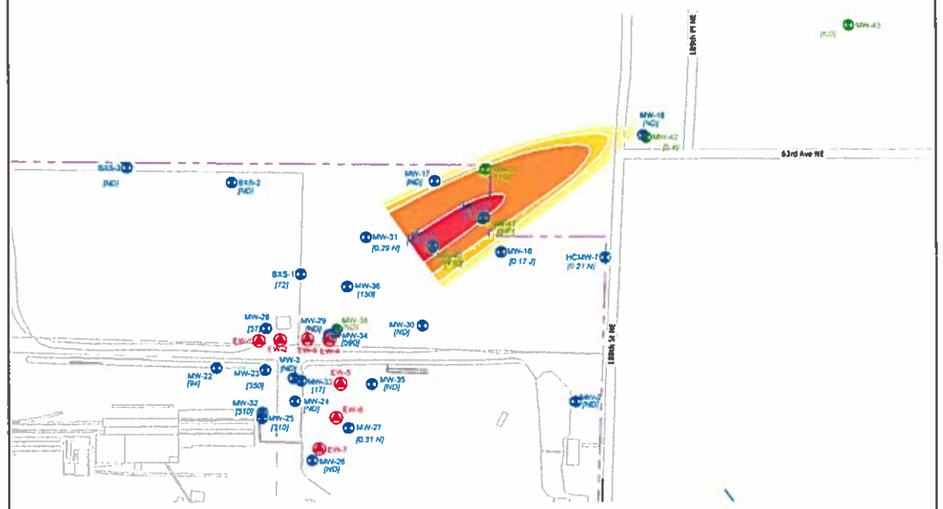
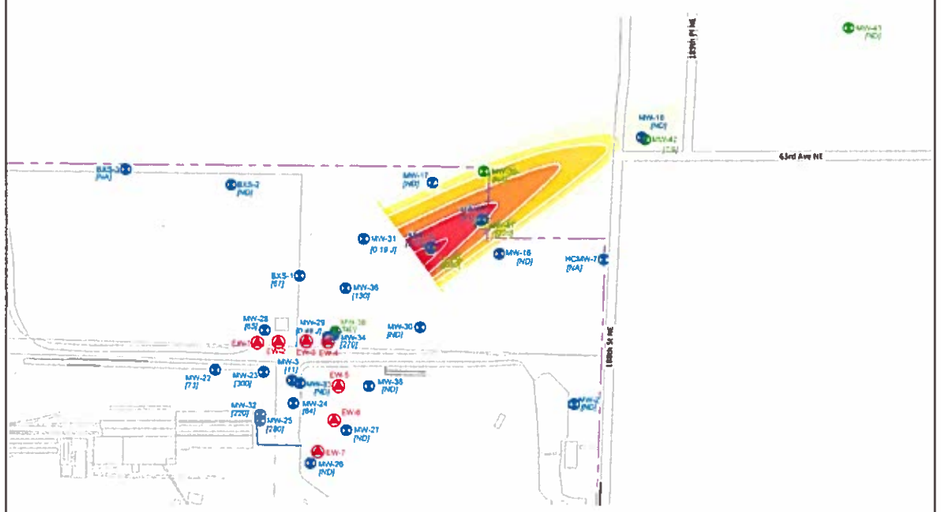
DECEMBER 2013



MARCH 2014



JUNE 2014



SEPTEMBER 2014

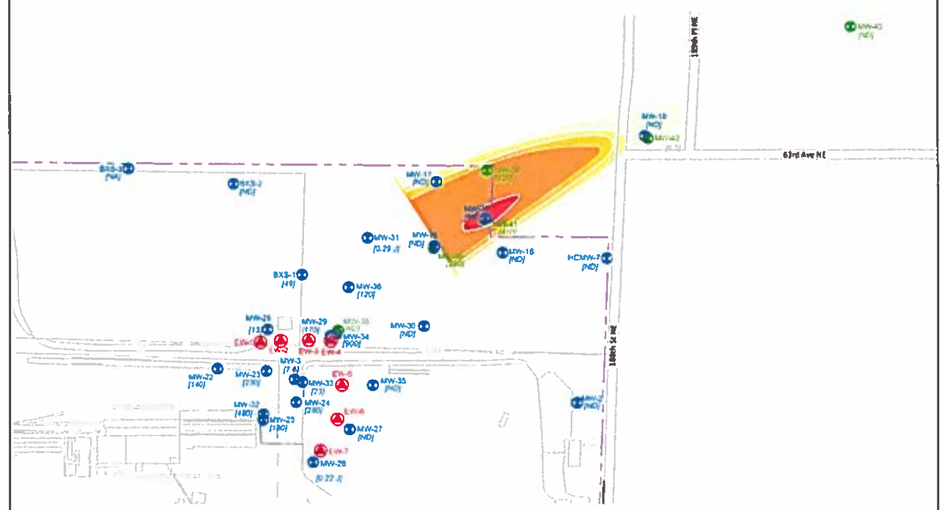


FIGURE 19

Pentachlorophenol Isopleth Map, Deep Zone: Fourth Quarter 2013 - Third Quarter 2014

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- Deep Monitoring Well and PCP Concentration (ug/L)
- Groundwater Extraction Well
- Site Boundary
- ND Not-Detected
- NA Not Analyzed

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

N

0 175 250 325
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: AMEC, Figure 35, August 2014

GSI Water Solutions, Inc.

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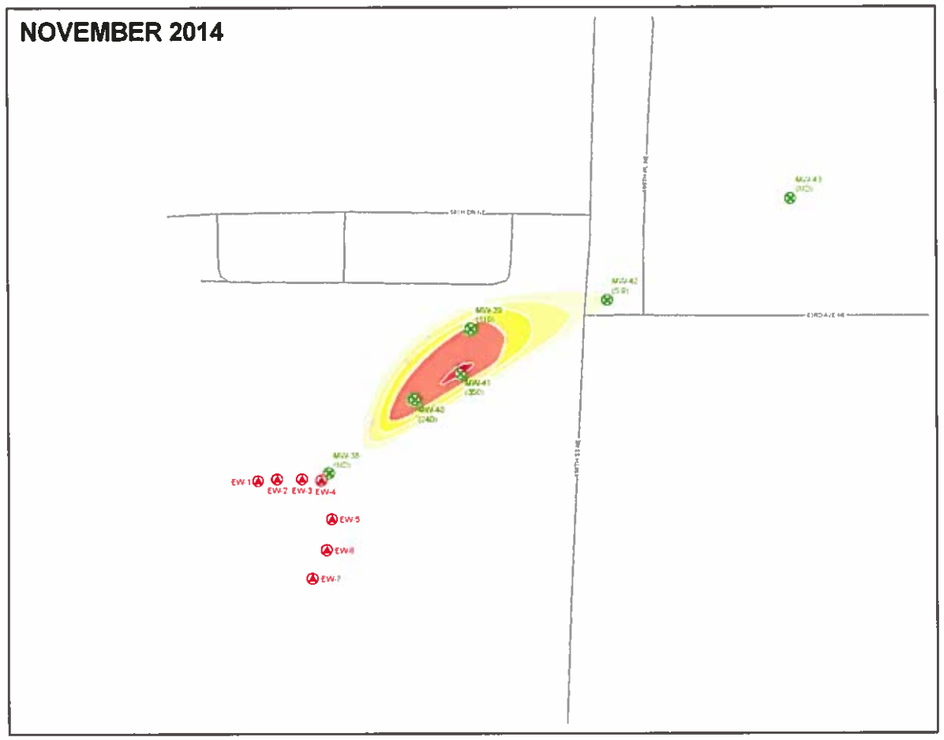
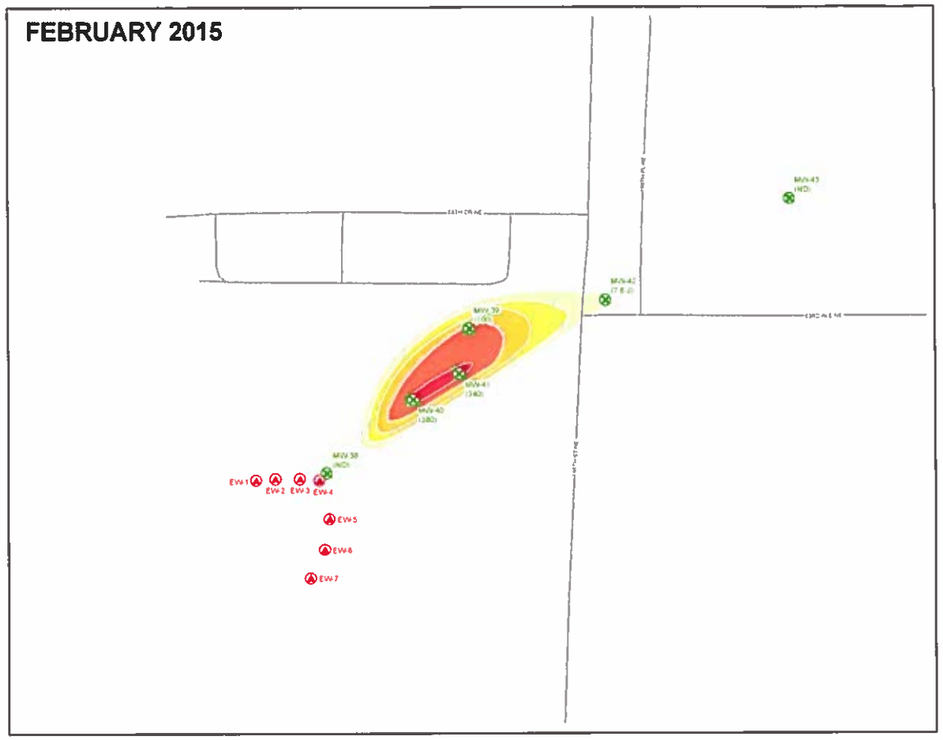
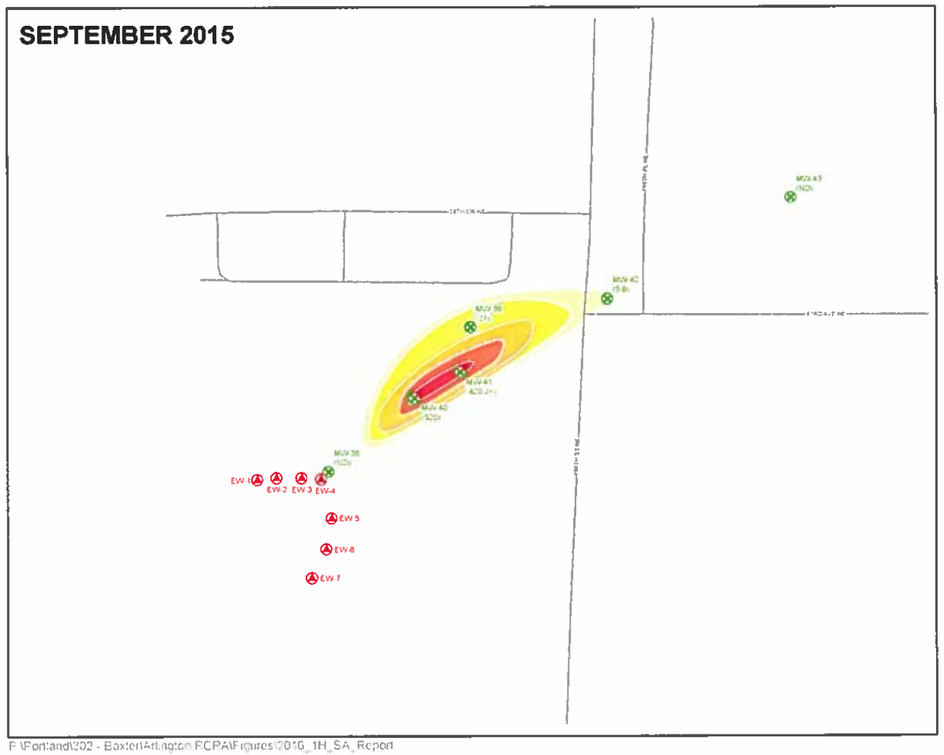
NOVEMBER 2014



FEBRUARY 2015



SEPTEMBER 2015



DECEMBER 2015

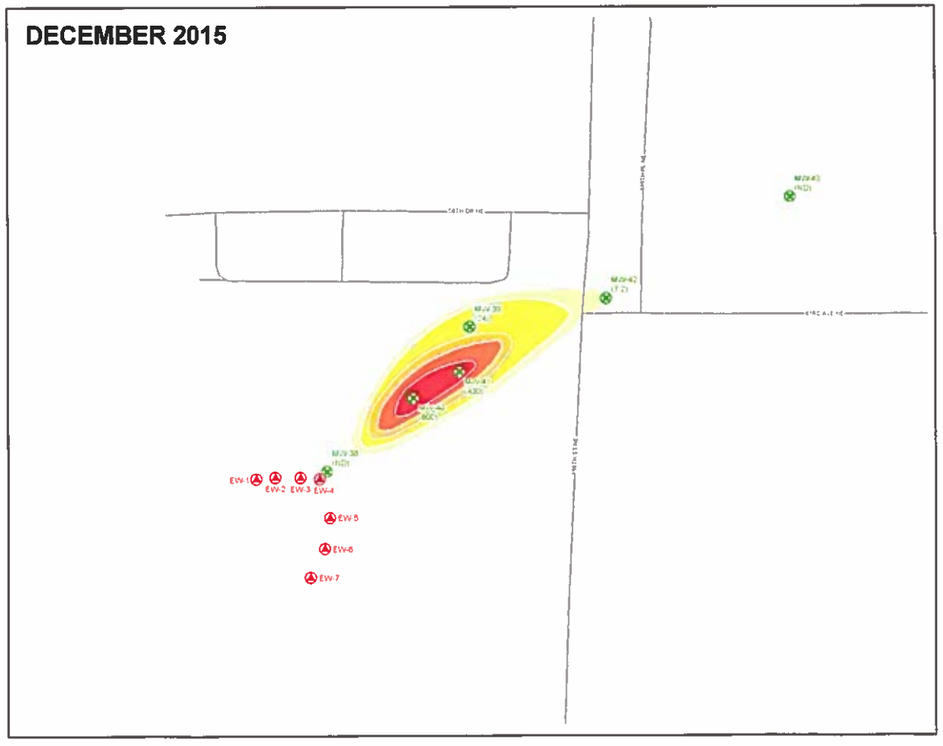


FIGURE 20

Pentachlorophenol Isopleth Map, Deep Zone: Fourth Quarter 2014 - Fourth Quarter 2015

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well and Pentachlorophenol (PCP) Concentration (ug/L)
- Deep Monitoring Well and PCP Concentration (ug/L)
- Groundwater Extraction Well
- Site Boundary
- ND Not-Detected
- NA Not Analyzed

Pentachlorophenol Concentration (ug/L)

- >500
- >300 - 500
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

N

0 175 250 325
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: GSI Figure, March 2015

GSI Water Solutions, Inc.

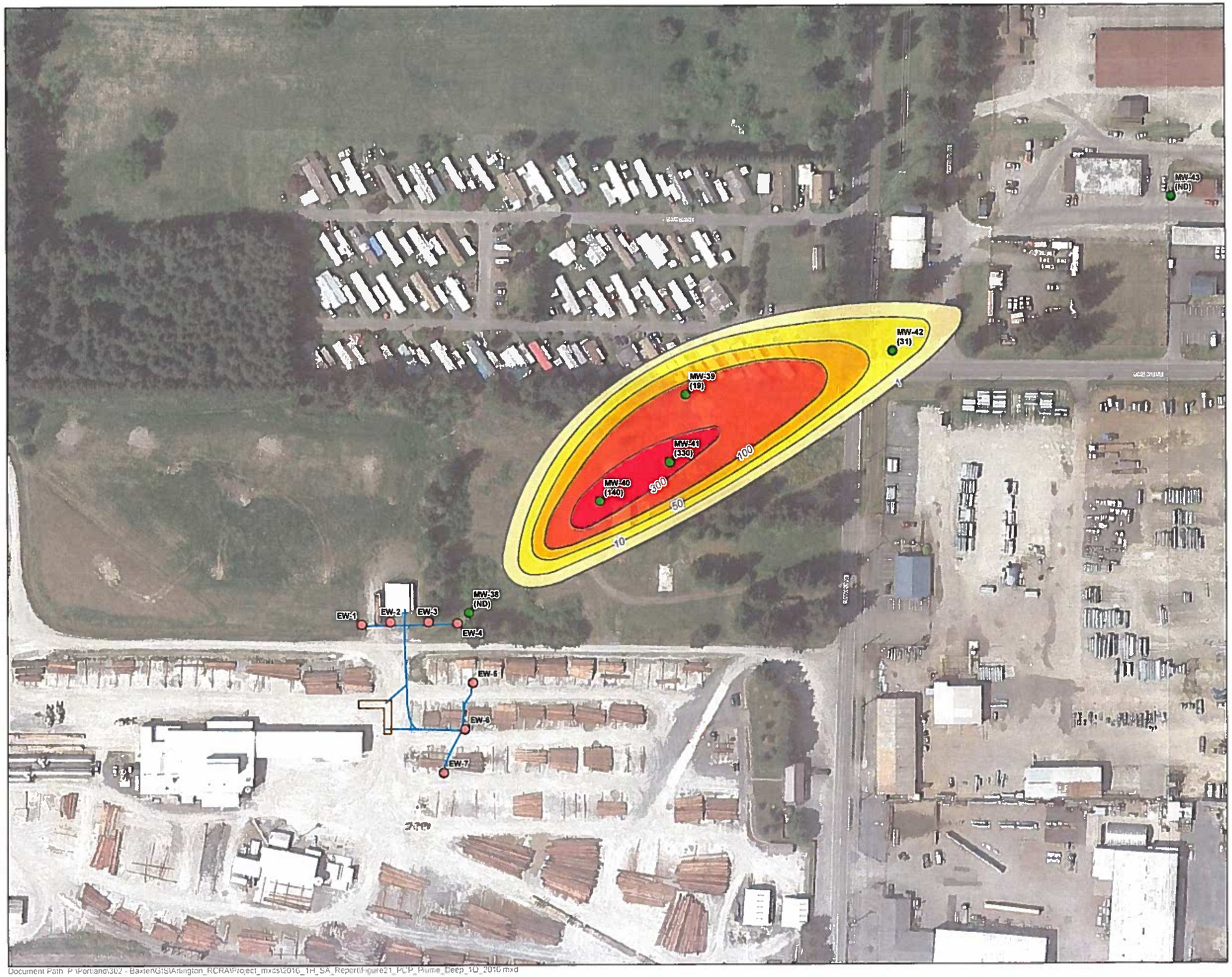


FIGURE 21

Pentachlorophenol Isopleth Map, Deep Zone: First Quarter 2016

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Deep Monitoring Well and Pentachlorophenol (PCP) Concentration (µg/L) February 2016

Pentachlorophenol Concentrations (µg/L)

- >300
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

All Other Features

- Extraction Well
- Infiltration Gallery Piping
- Infiltration Trench

NOTES:

1. Results in µg/L.
2. All elevations exist in the North American Vertical Datum of 1988.
3. Abbreviations:
   ND Not Detected

N

0 75 150 225
Feet

MAP NOTES:
Date: July 27 2016
Data Sources: AMEC, ESRI, Air photo taken on May 2, 2015 by Google Earth

GSI Water Solutions, Inc.

Document Path: P:\Portland\302 - Baxter\GIS\Arlington_RCRA\Project_mxds\2016_1H_SA_Report\Figure21_PCP_Plume_Deep_1Q_2016.mxd

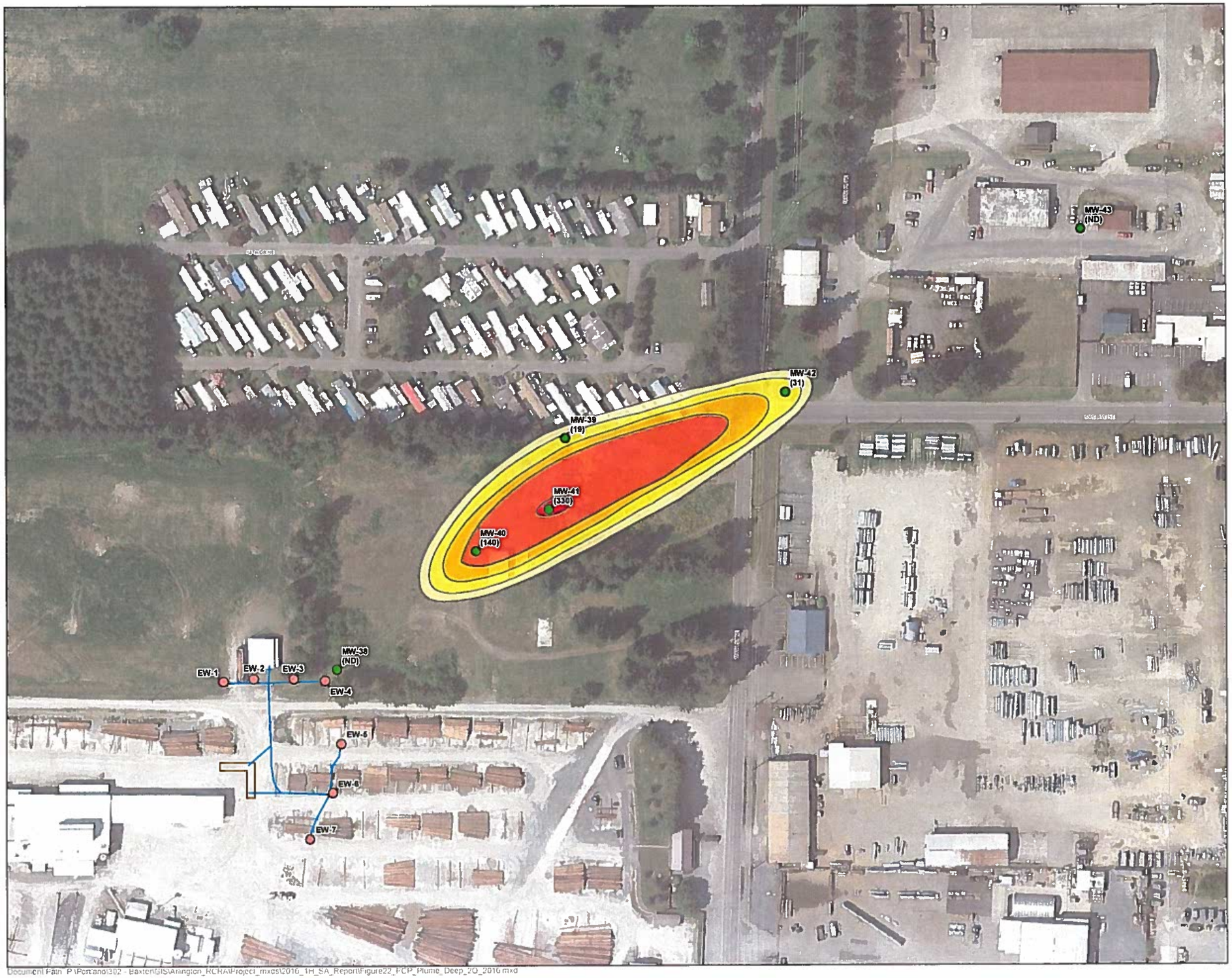


FIGURE 22

Pentachlorophenol Isopleth Map, Deep Zone: Second Quarter 2016

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Deep Monitoring Well and Pentachlorophenol (PCP) Concentration (µg/L) June 2016

Pentachlorophenol Concentrations (µg/L)

- >300
- >100 - 300
- >50 - 100
- >10 - 50
- >1 - 10

All Other Features

- Extraction Well
- Infiltration Gallery Piping
- Infiltration Trench

NOTES:

1. Results in µg/L.
2. All elevations exist in the North American Vertical Datum of 1988.
3. Abbreviations:
   ND Not Detected

N

0 75 150 225
Feet

MAP NOTES:
Date: April 8, 2016
Data Sources: AMEC, ESRI, Air photo taken on May 2, 2015 by Google Earth

GSI Water Solutions, Inc.

Document Path: P:\Portland\302 - Baxter\GIS\Arlington_RCRA\Project_mxds\2016_1H_SA_Report\Figure22_PCP_Plume_Deep_2Q_2016.mxd

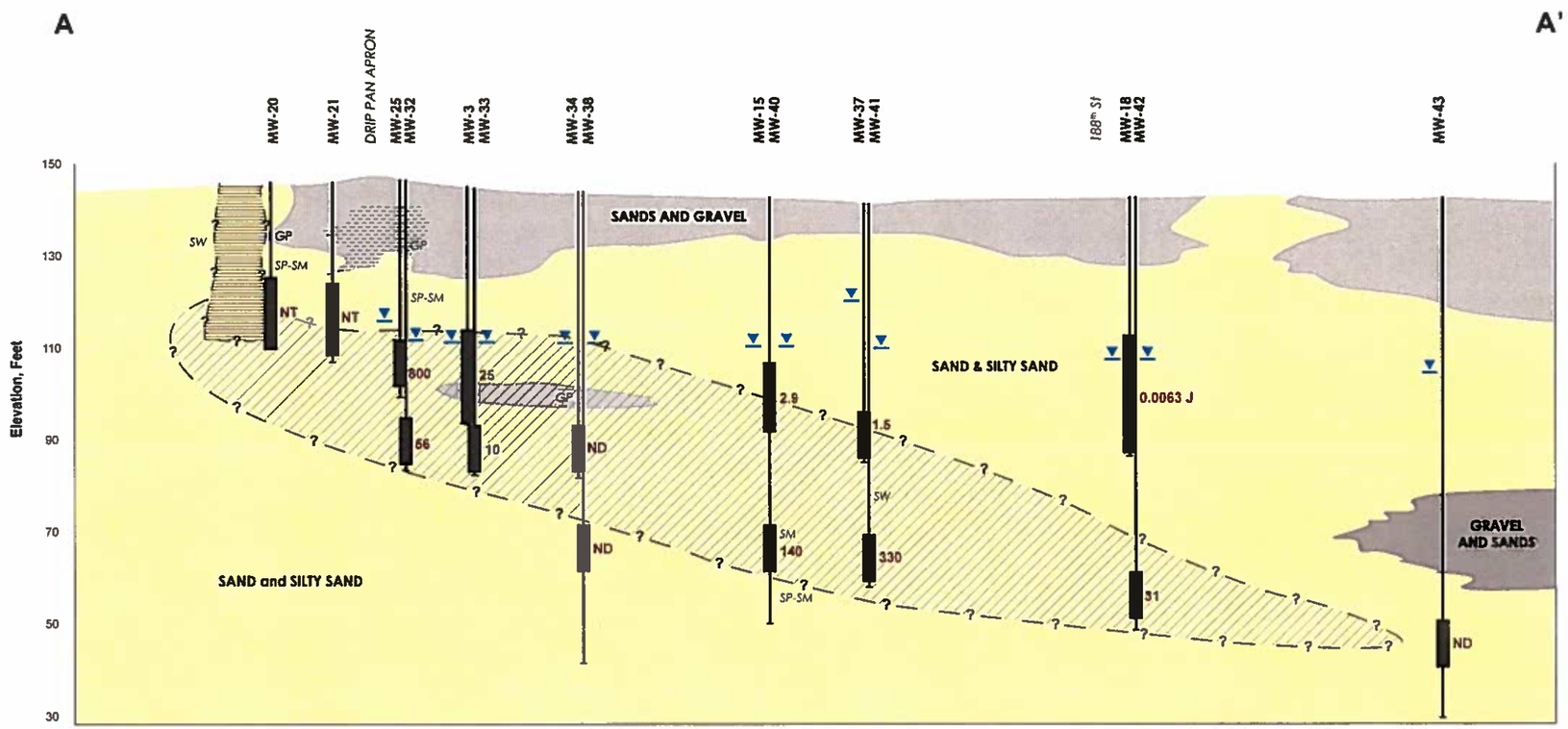


FIGURE 23

Cross Section A-A'
Pentachlorophenol in Groundwater
Second Quarter 2016

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

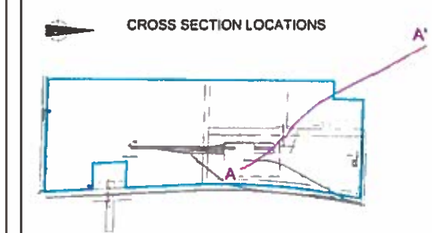
LEGEND

- 340 — Pentachlorophenol (PCP) Concentration in ug/L
- Approximate Water Level on December 7, 2015
- Monitoring Well Cluster, Identifier, and Screen Interval
- Sands and Gravel
- Gravel and Sands
- Sand and Silty Sand
- Residual Light Non-Aqueous Phase Liquid (LNAPL)
- Wood Debris
- Approximate Extent of PCP in Groundwater (~>1)

NOTES:

GP:	Poorly Graded Gravel
ND:	Not Detected
NT:	Not Tested
SM:	Silty Sand
SP-SM:	Poorly Graded Sand with Silt
SW:	Well Graded Sand

CROSS SECTION LOCATIONS



N

0 112.5 225 337.5
Feet

MAP NOTES:
Date: July 27, 2016
Data Sources: Amec, Figure 39, December 2014

GSI Water Solutions, Inc.

P:\Portland\302 - Baxter\Arlington RCRA\Figures\2016_1H_SA_Report

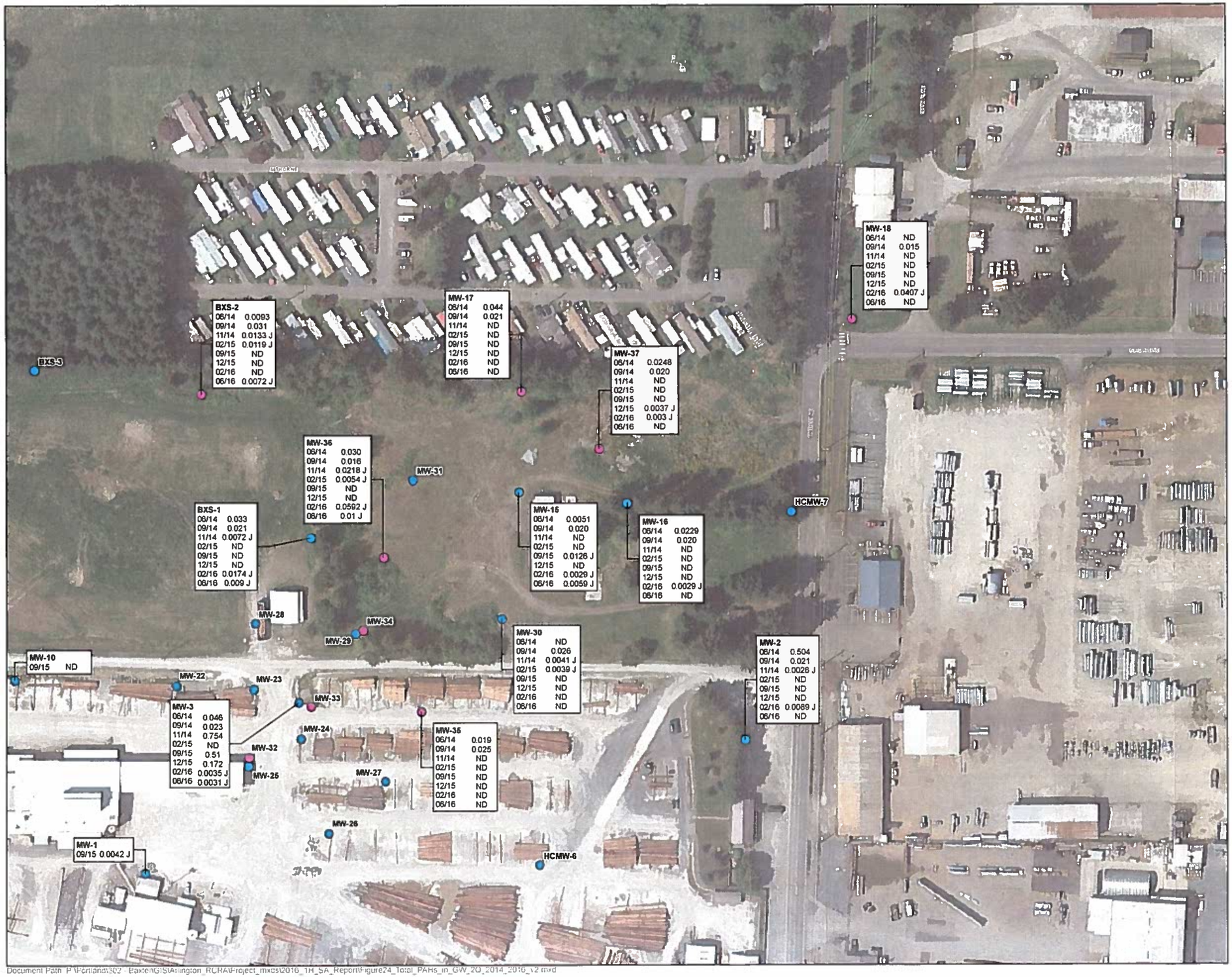


FIGURE 24

Total PAHs in Groundwater: Second Quarter 2014 - Second Quarter 2016

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Shallow Monitoring Well
- Intermediate Monitoring Well

NOTES:

1. Results in µg/L (microgram per liter)
2. Abbreviations:
   - ND Not-Detected
   - NA Not Analyzed
   - J Estimated Value

N

0 65 130 195
Feet

MAP NOTES:
Date April 8 2016
Data Sources: AMEC, ESRI, Air photo taken on May 2 2015 by Google Earth

GSI Water Solutions, Inc.

Document Path: P:\Portland\302 - Baxter\GIS\Arlington_RCRA\Project_mxds\2016_1H_SA_Report\Figure24_Total_PAHs_in_GW_2Q_2014_2016_v2.mxd

Appendix A

Document Path: P:\Portland\302 - Baxter\GIS\Arlington_RCRA\Project_mxds\2014_Q4_Report\FigureA-1_Cross_Section_Location_Map.mxd

FIGURE A-1

Cross Section Location Map

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

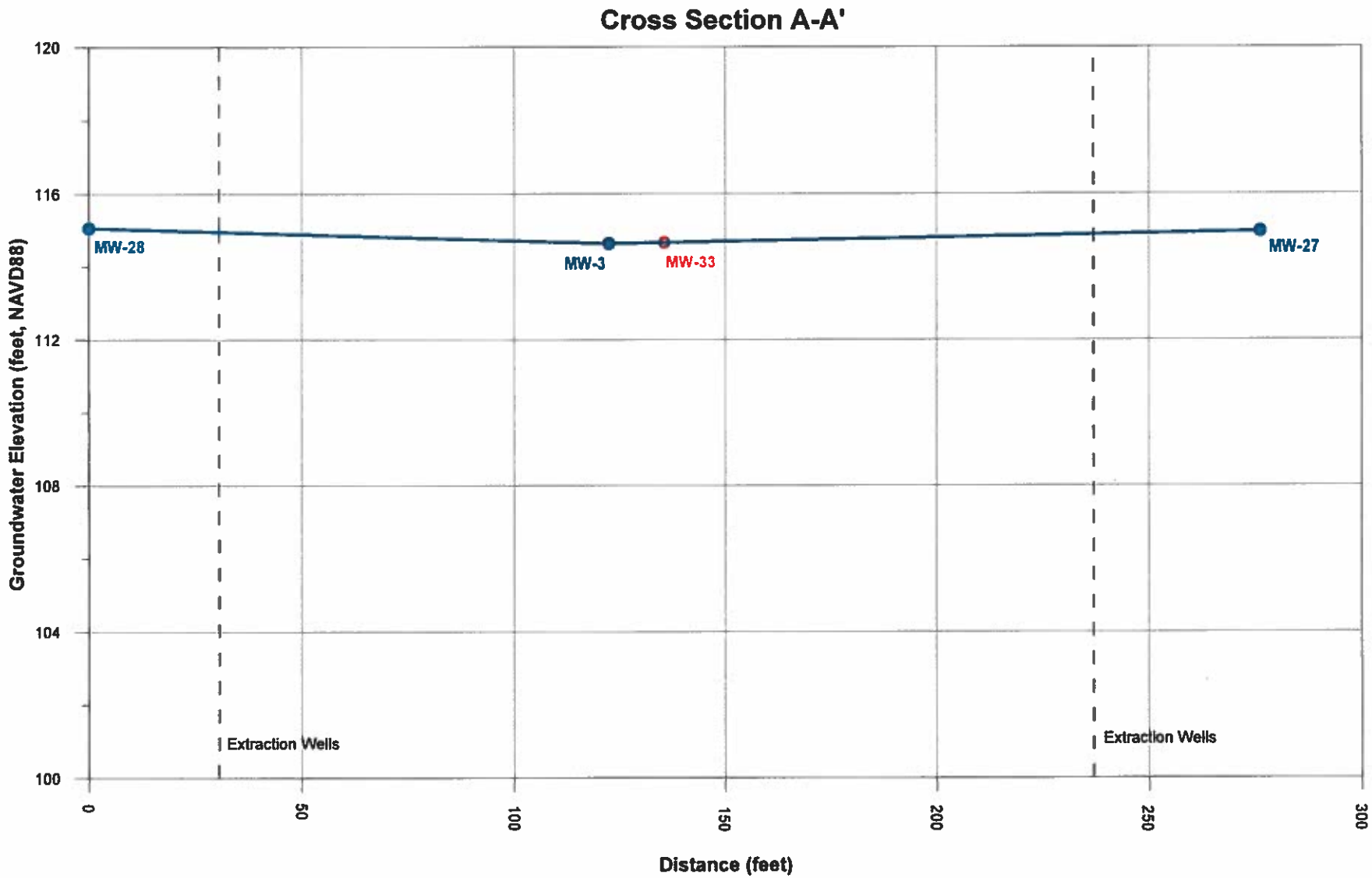
- Cross Section Lines
- Monitoring Well
- Recovery Well
- Extraction Well
- Infiltration Trench

N

0 150 300 450
Feet

MAP NOTES:
Date: March 12, 2015
Data Sources: AMEC, ESRI, Air photo taken on July 9, 2010 by Microsoft

GSI Water Solutions, Inc.

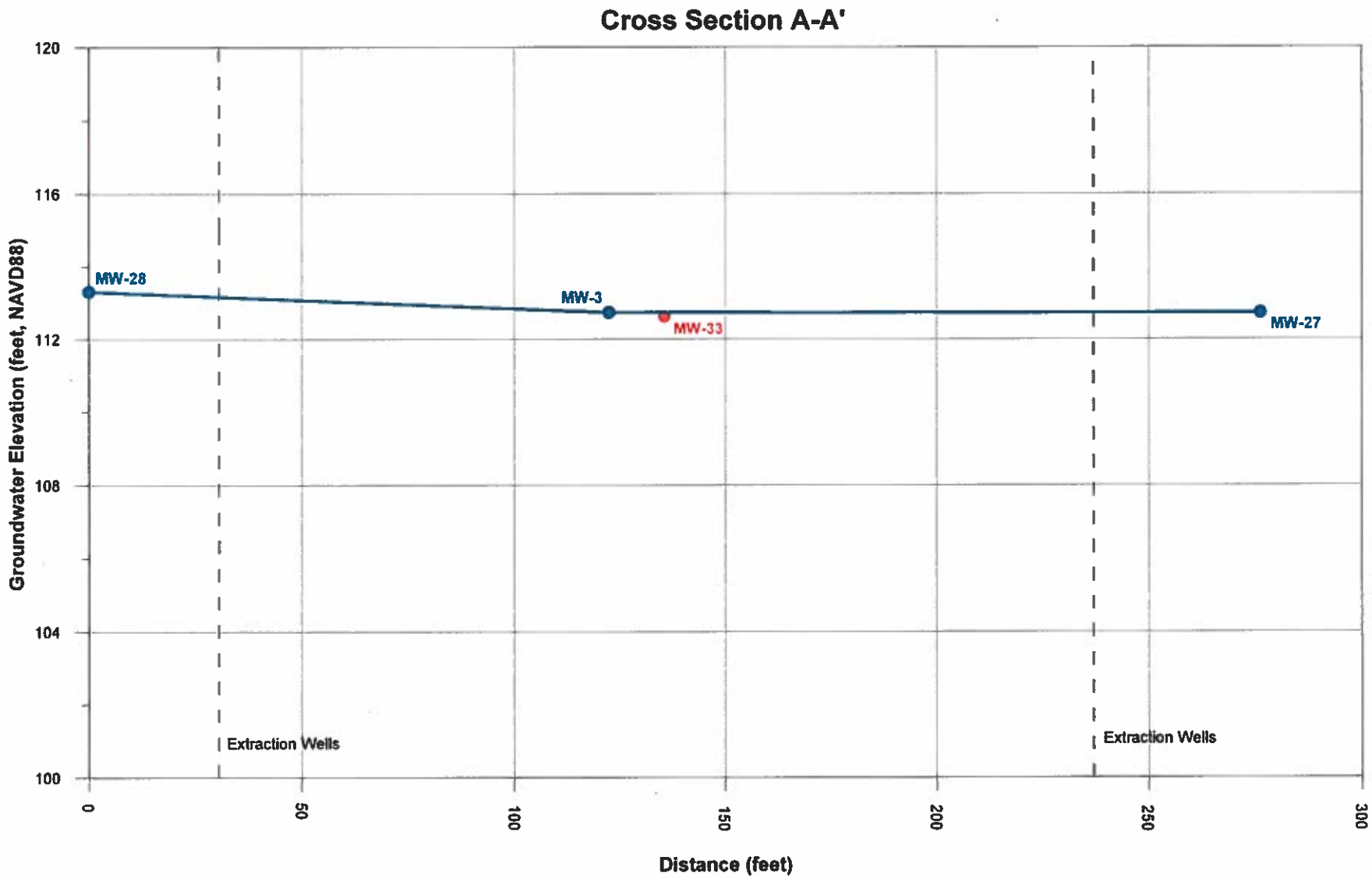


Legend:

- Shallow Well Groundwater Elevation
- Intermediate Well Groundwater Elevation

FIGURE A-2
First Quarter 2016 Groundwater Elevation
Cross Section A-A'
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.

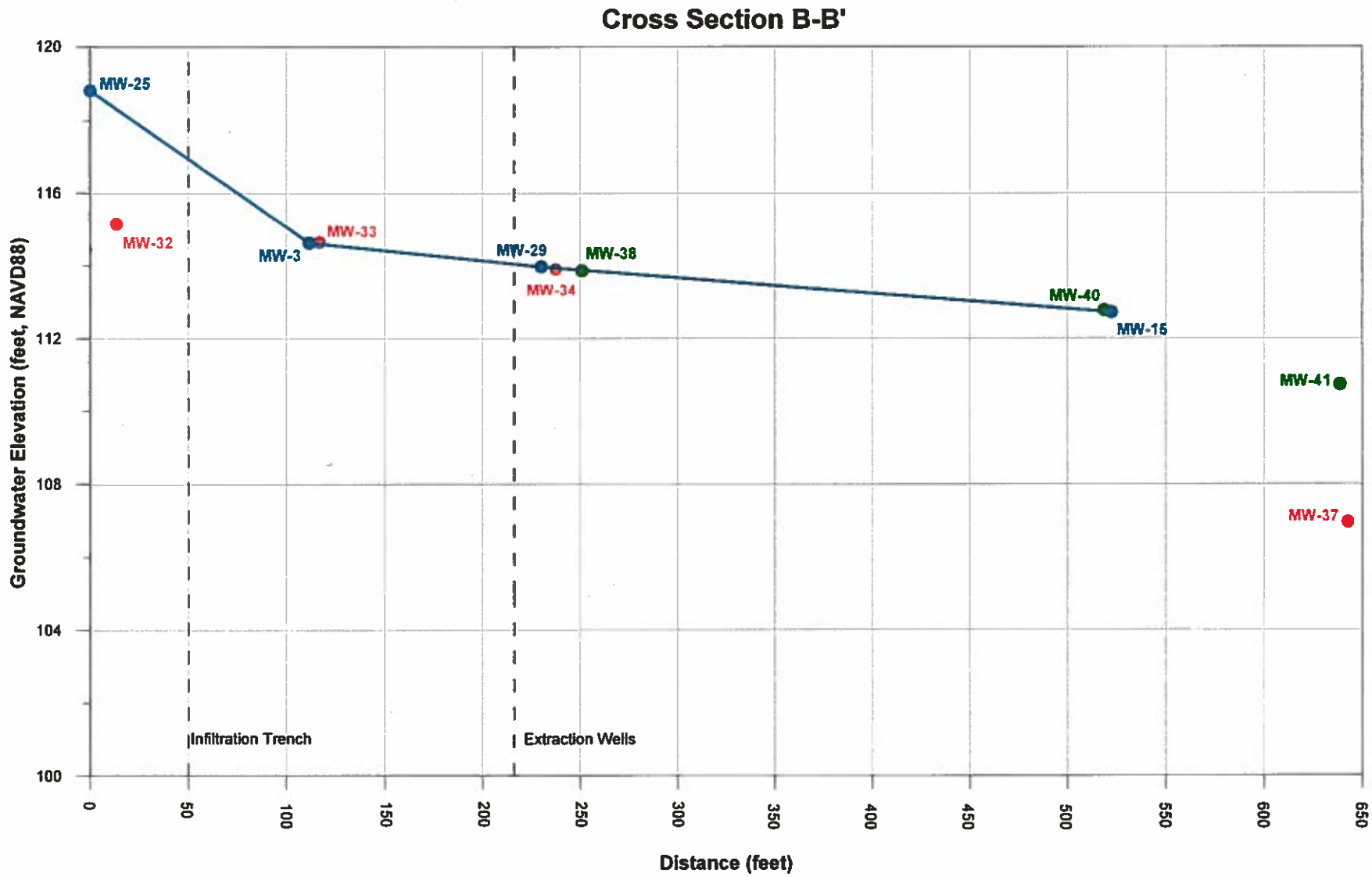


Legend:

- Shallow Well Groundwater Elevation
- Intermediate Well Groundwater Elevation

FIGURE A-3
Second Quarter 2016 Groundwater Elevation
Cross Section A-A'
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.



Legend:

- Shallow Well Groundwater Elevation
- Intermediate Well Groundwater Elevation
- Deep Well Groundwater Elevation

Notes:

In vicinity of MW-25 and MW-32, a silt layer is approximately 20' below ground surface; could account for larger differences in groundwater elevation in well pair.

FIGURE A-4

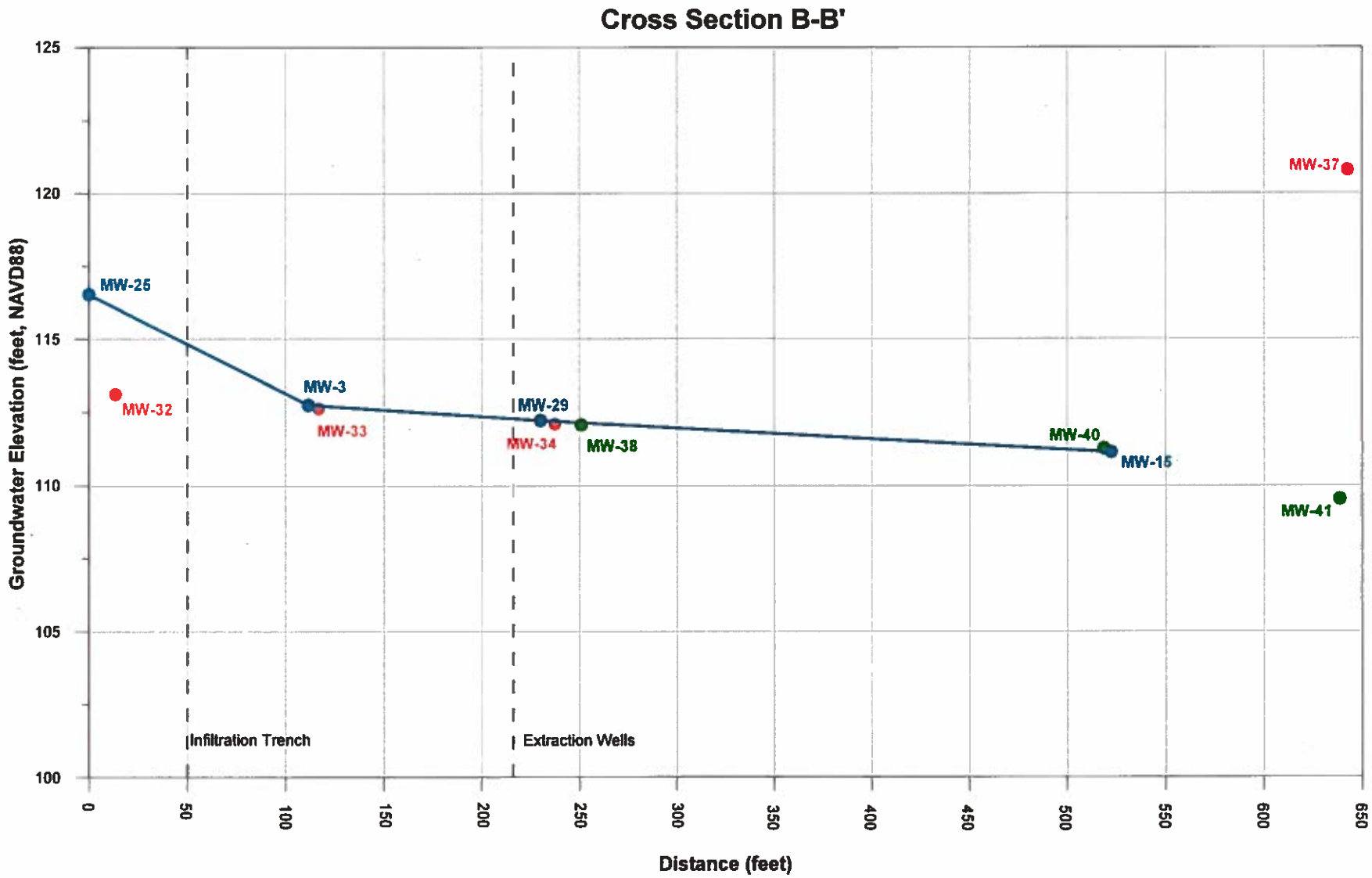
First Quarter 2016 Groundwater Elevation

Cross Section B-B'

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.



Legend:

- Shallow Well Groundwater Elevation
- Intermediate Well Groundwater Elevation
- Deep Well Groundwater Elevation

Notes:

In vicinity of MW-25 and MW-32, a silt layer is approximately 20' below ground surface; could account for larger differences in groundwater elevation in well pair.

FIGURE A-5

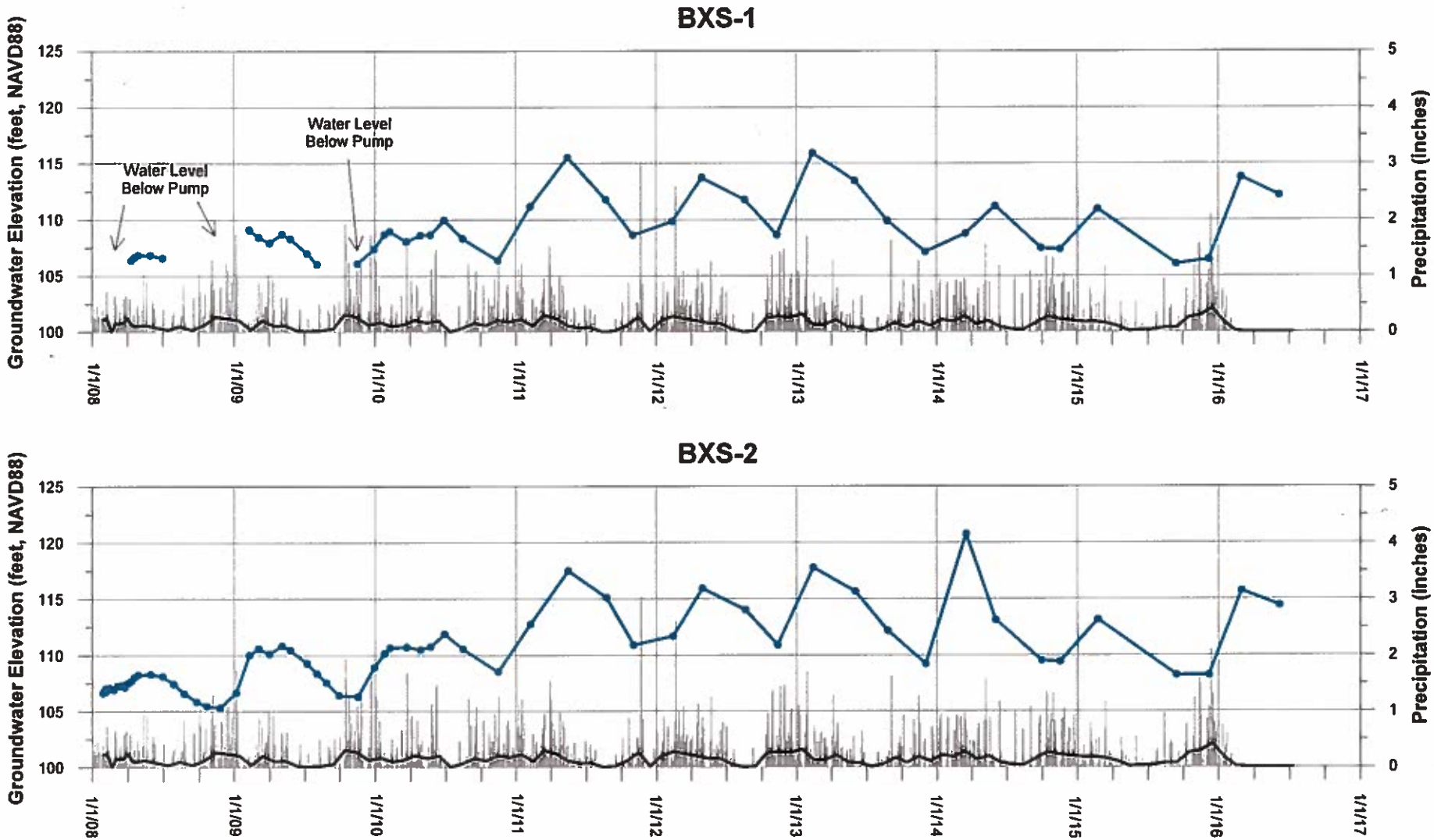
Second Quarter 2016 Groundwater Elevation

Cross Section B-B'

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-6

BXS-1 and BXS-2 Hydrographs with Precipitation

Former J.H. Baxter Wood Treating Facility

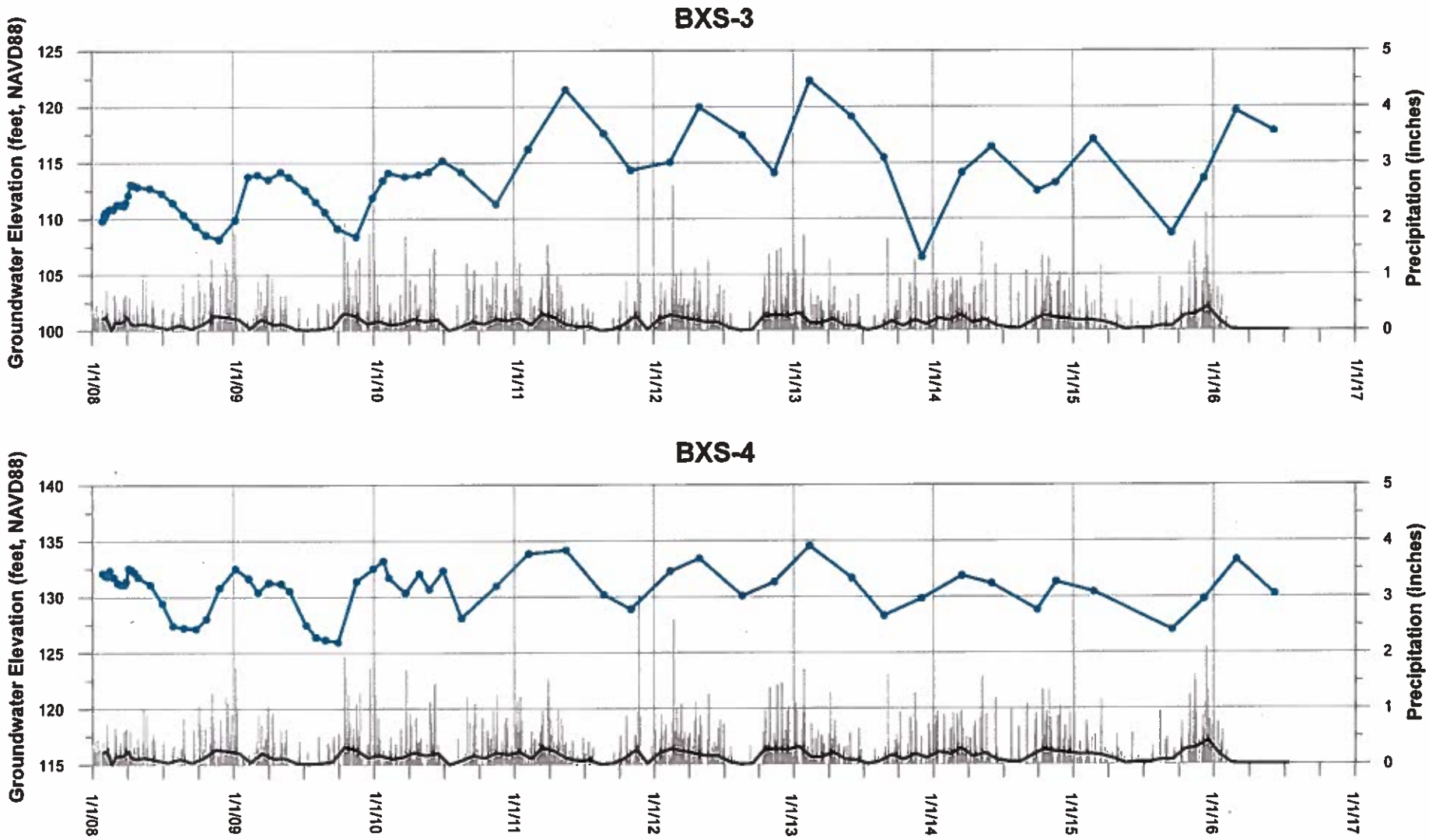
Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.

Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-7

BXS-3 and BXS-4 Hydrographs with Precipitation

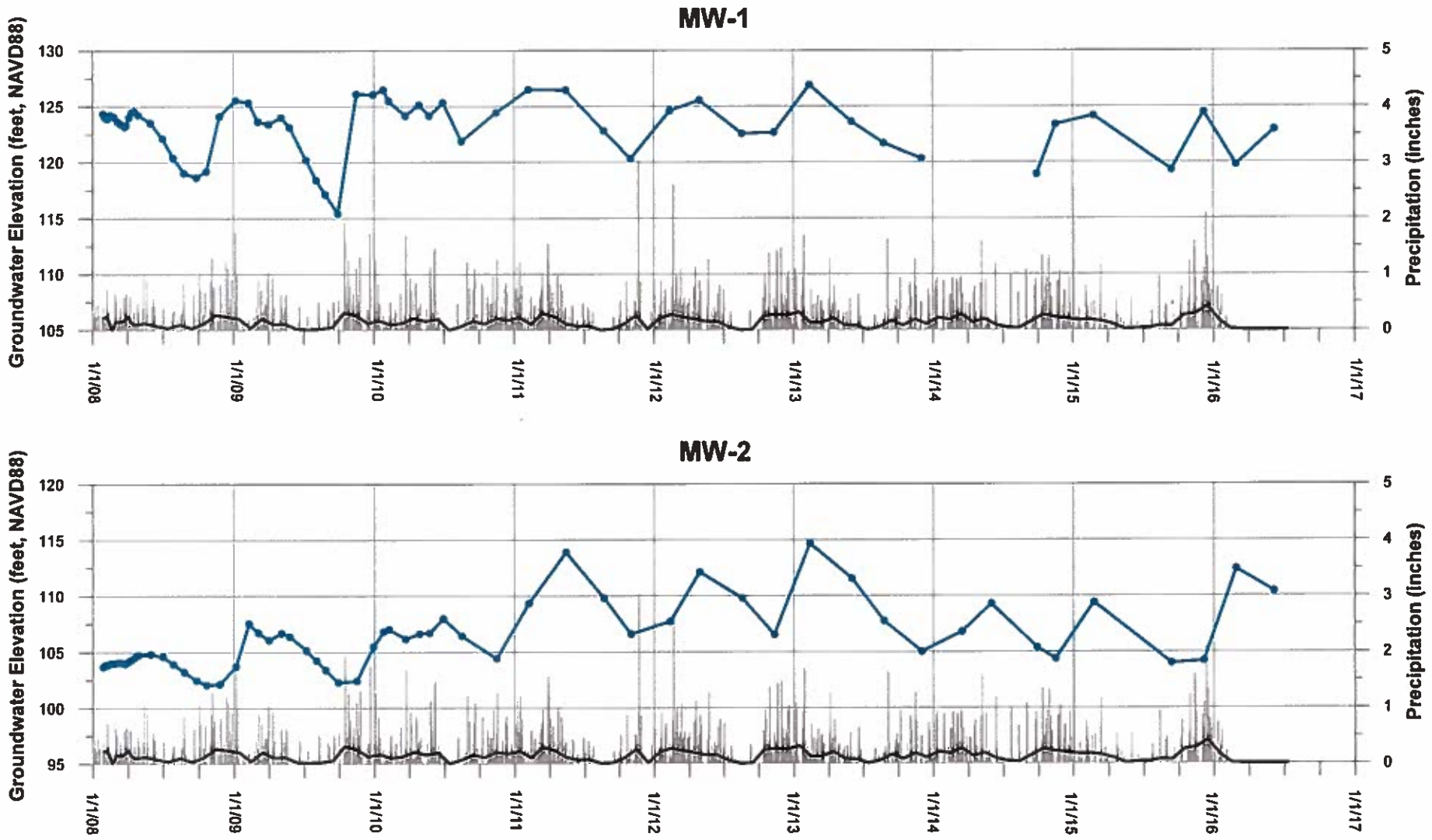
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-8

MW-1 and MW-2 Hydrographs with Precipitation

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

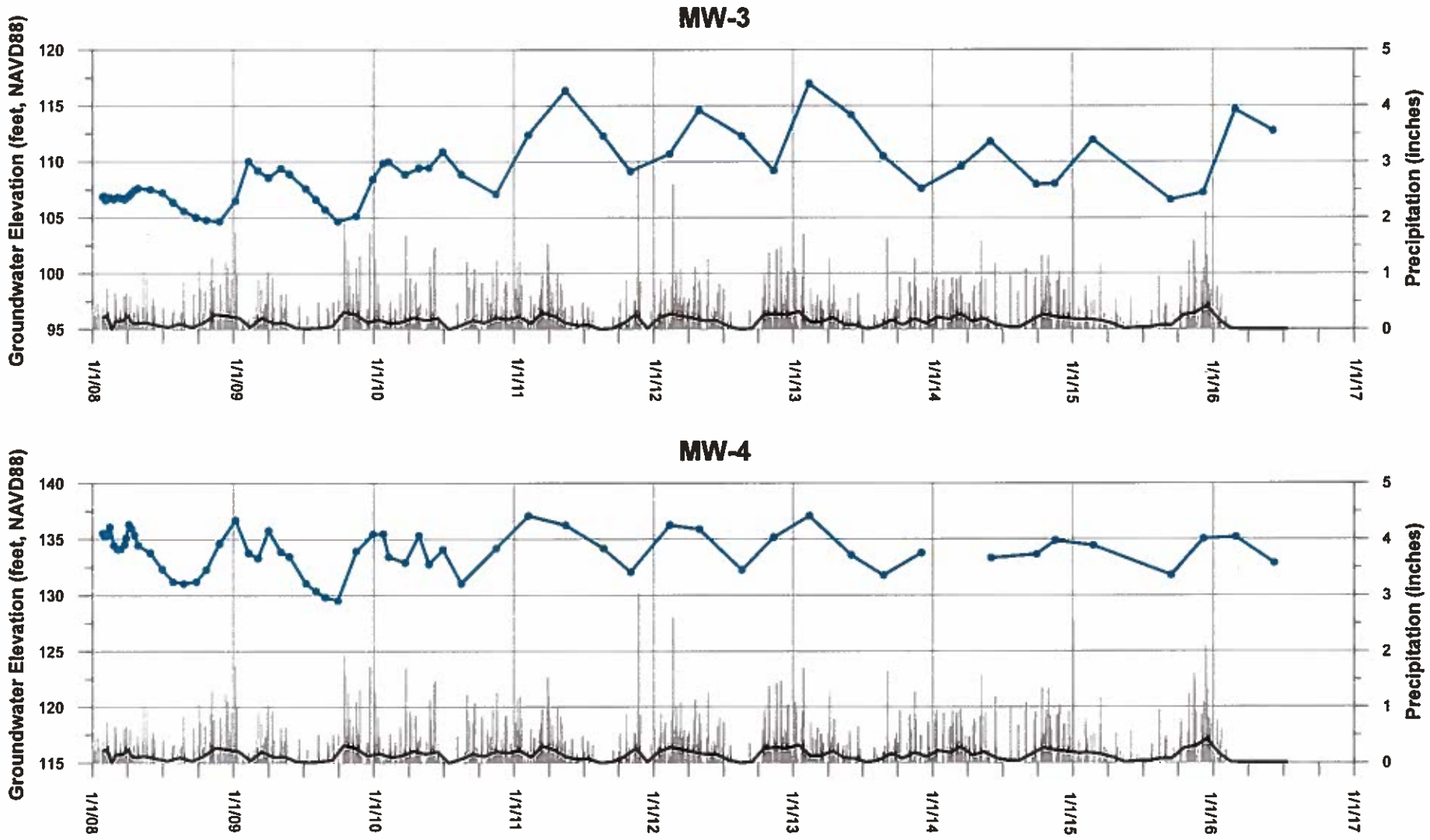
Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.

Precipitation includes rain and/or snow melt.

MW-1 was not measured during the First and Second Quarters in 2014.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-9

MW-3 and MW-4 Hydrographs with Precipitation

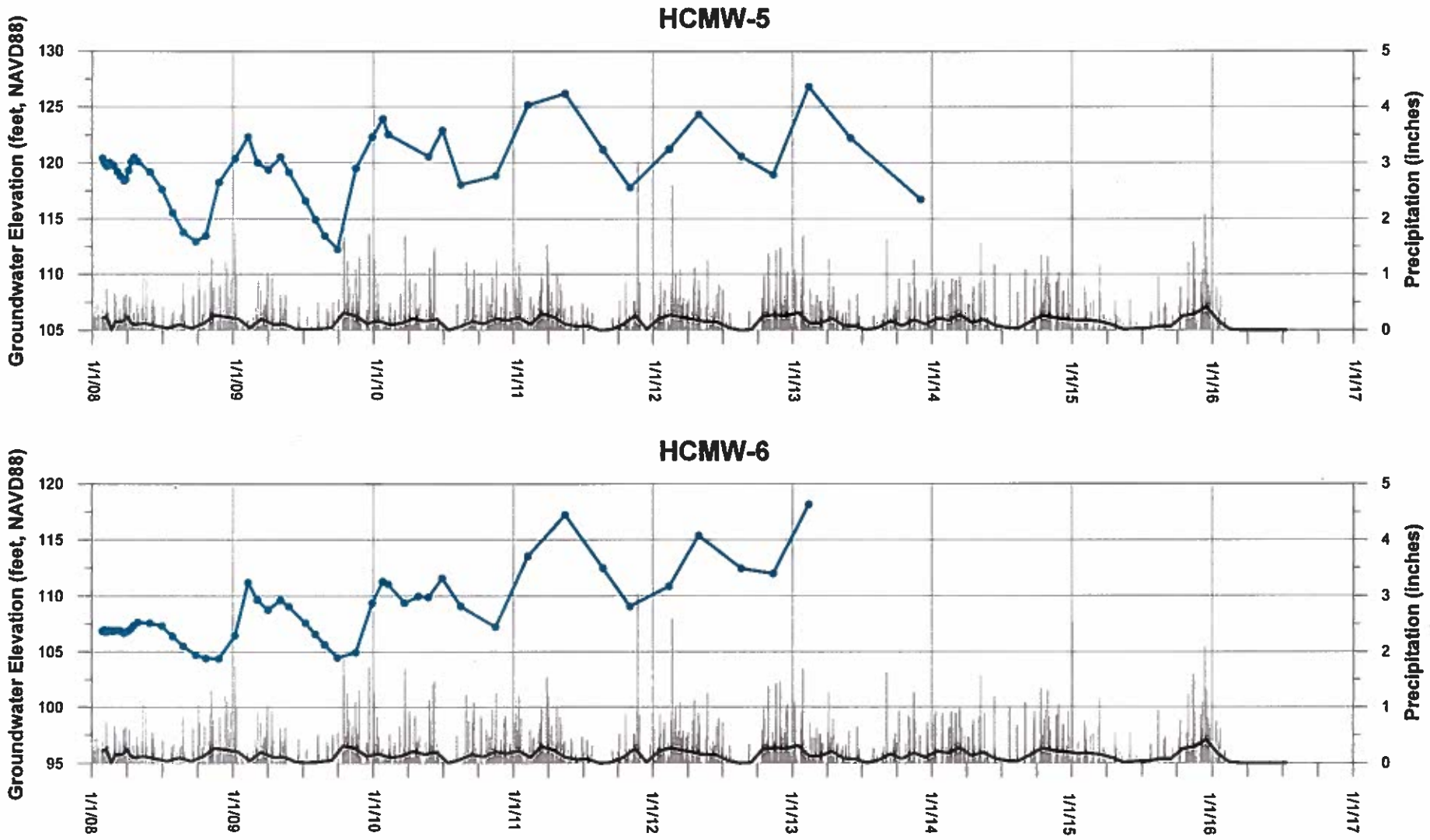
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.
MW-4 was not measured during the First Quarter 2014.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-10

HCMW-5 and HCMW-6 Hydrographs with Precipitation

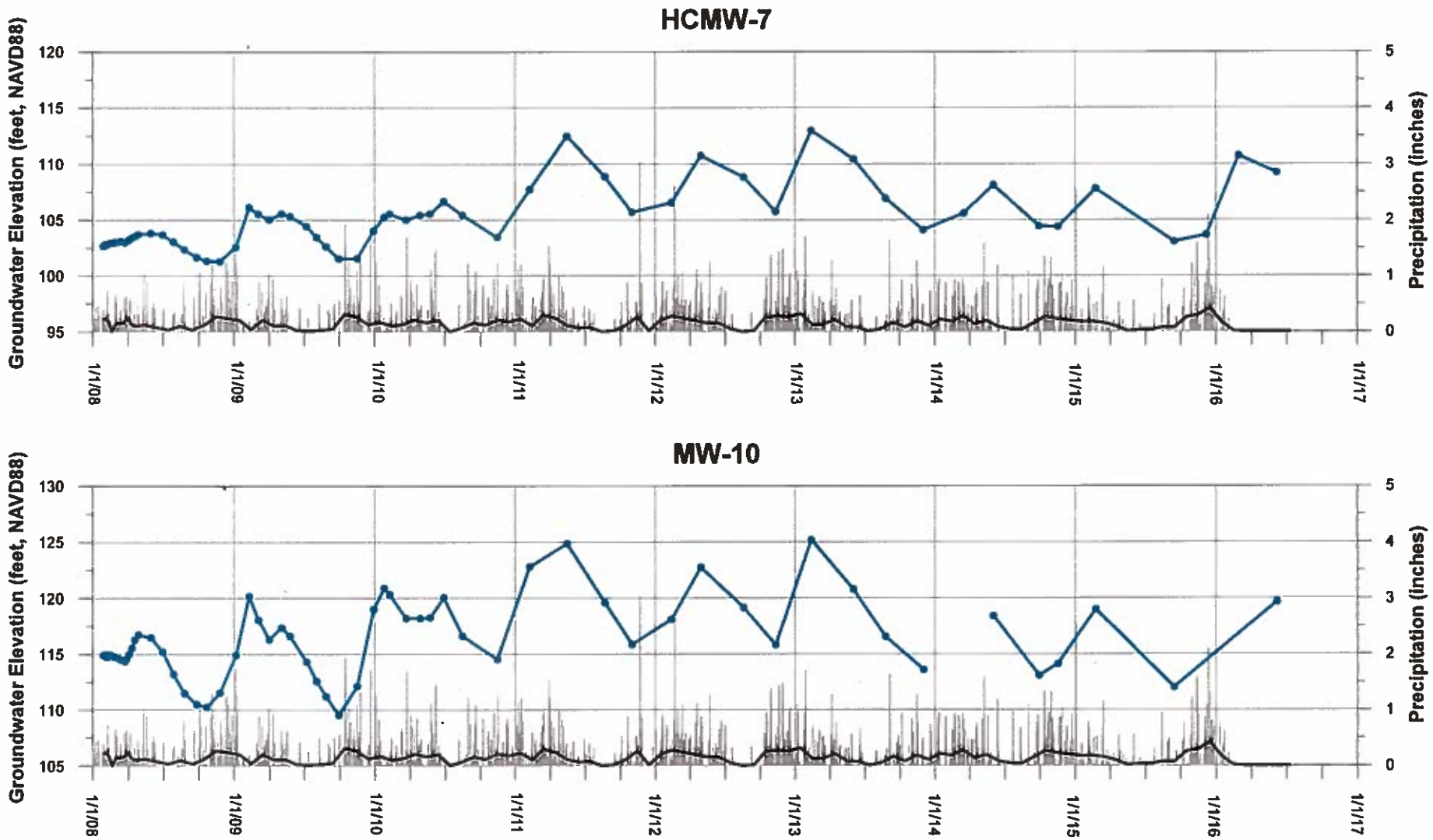
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.
HCMW-5 was not measured after Fourth Quarter 2013.
HCMW-6 was not measured after First Quarter 2013.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-11

HCMW-7 and MW-10 Hydrographs with Precipitation

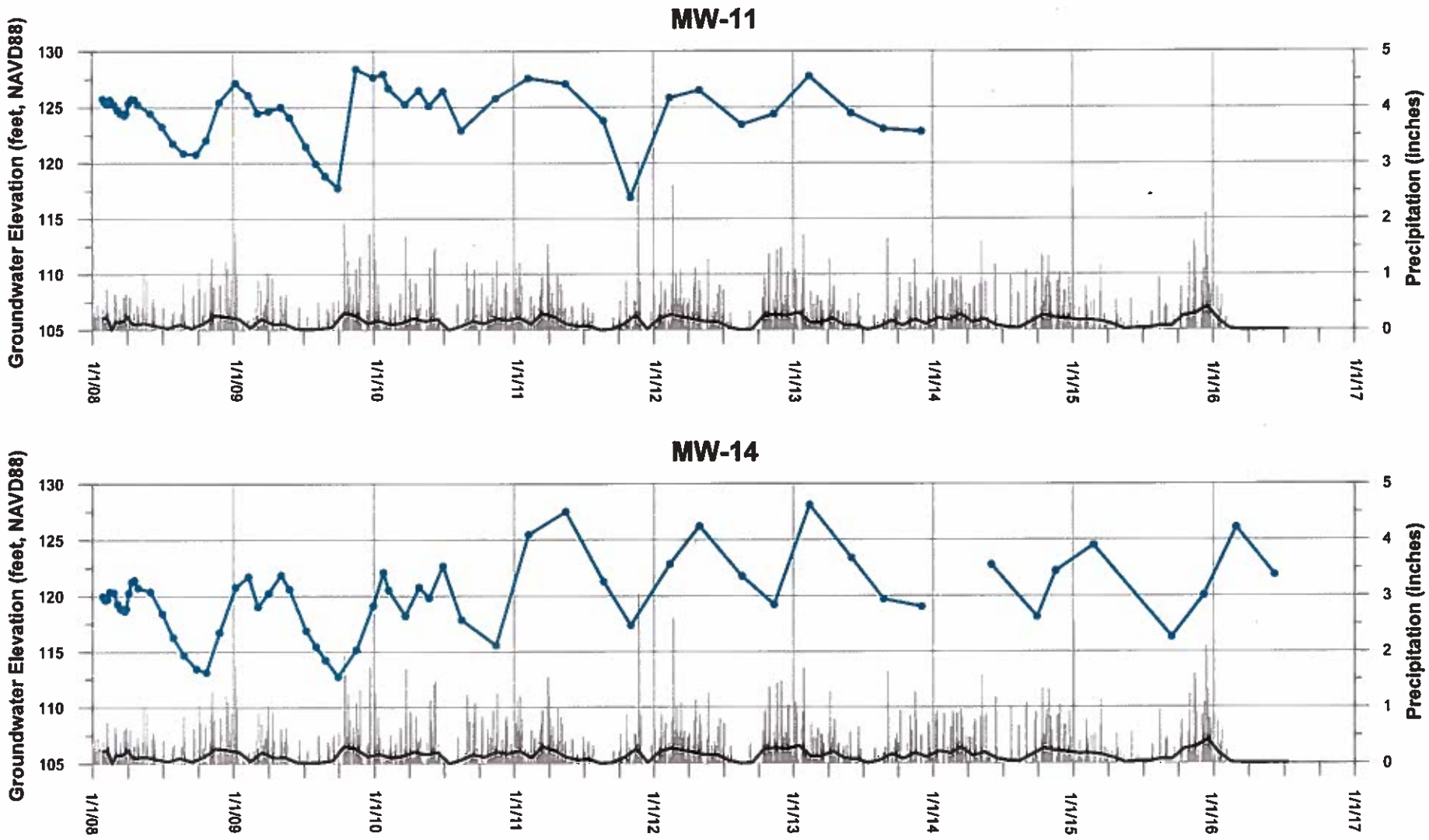
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.
MW-10 was not measured during the First Quarter 2014, the Fourth Quarter 2015, or the First Quarter 2016.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-12

MW-11 and MW-14 Hydrographs with Precipitation

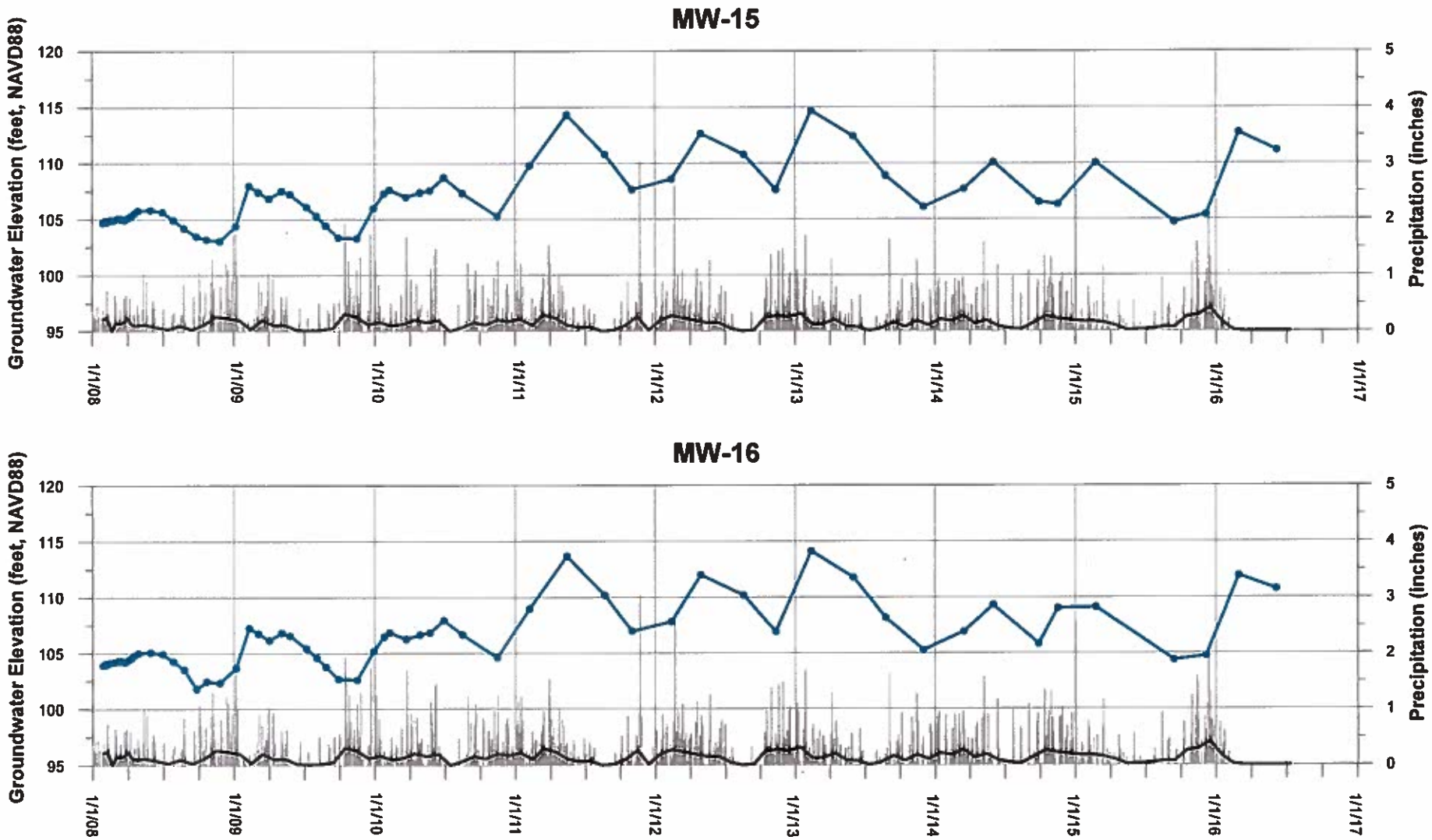
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.
MW-11 was not measured after Fourth Quarter 2013.
MW-14 was not measured during the First Quarter 2014.

GSI Water Solutions, Inc.



Legend:

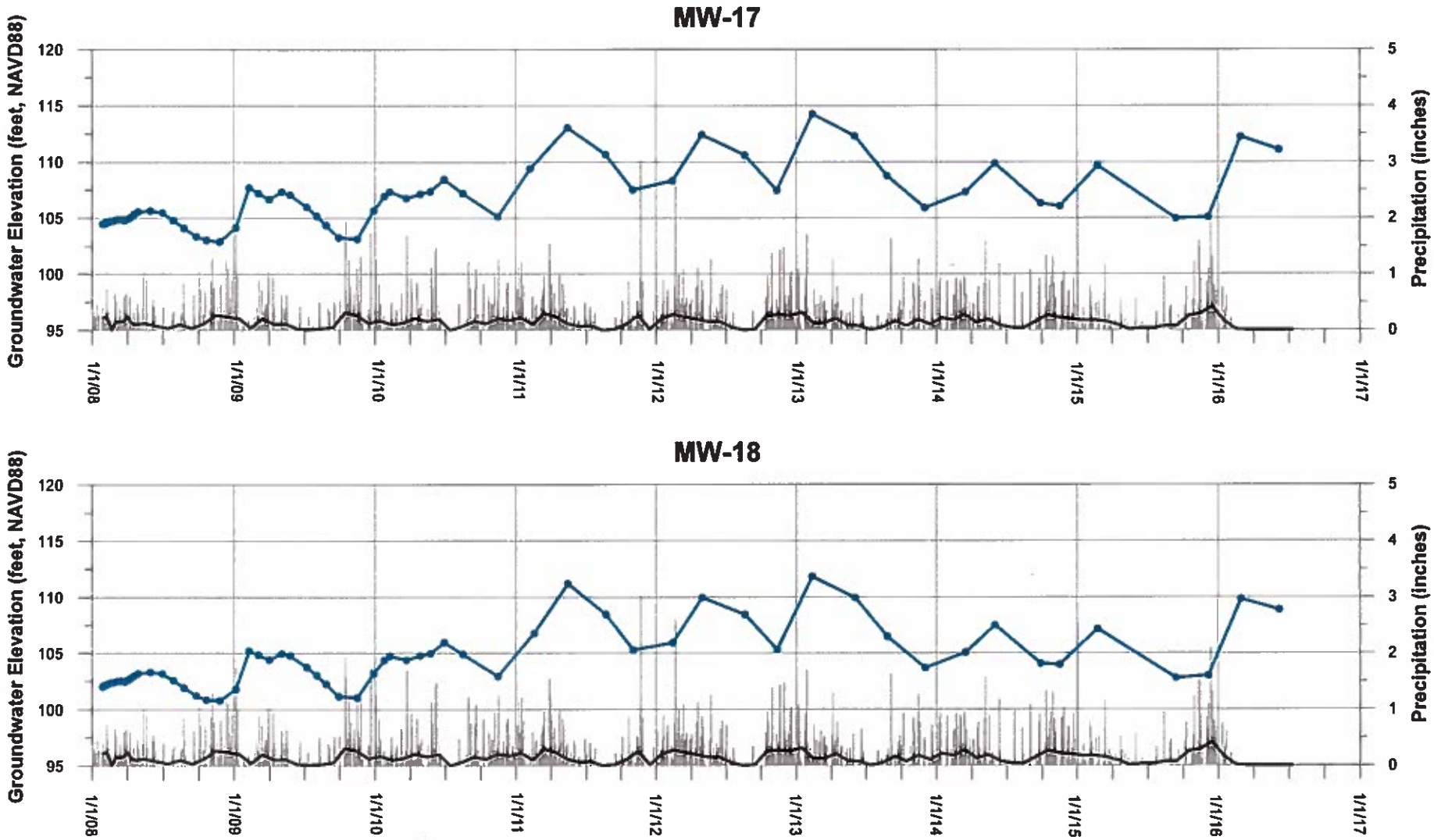
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.
MW-15 measurement from the Second Quarter 2011 was suspected as incorrect and estimated by calculating the average elevation difference between MW-15 and MW-40 from the Third Quarter 2010 through the First Quarter 2011, and adding this difference to the Second Quarter 2011 groundwater elevation measured at MW-40.

FIGURE A-13
MW-15 and MW-16 Hydrographs with Precipitation
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-14

MW-17 and MW-18 Hydrographs with Precipitation

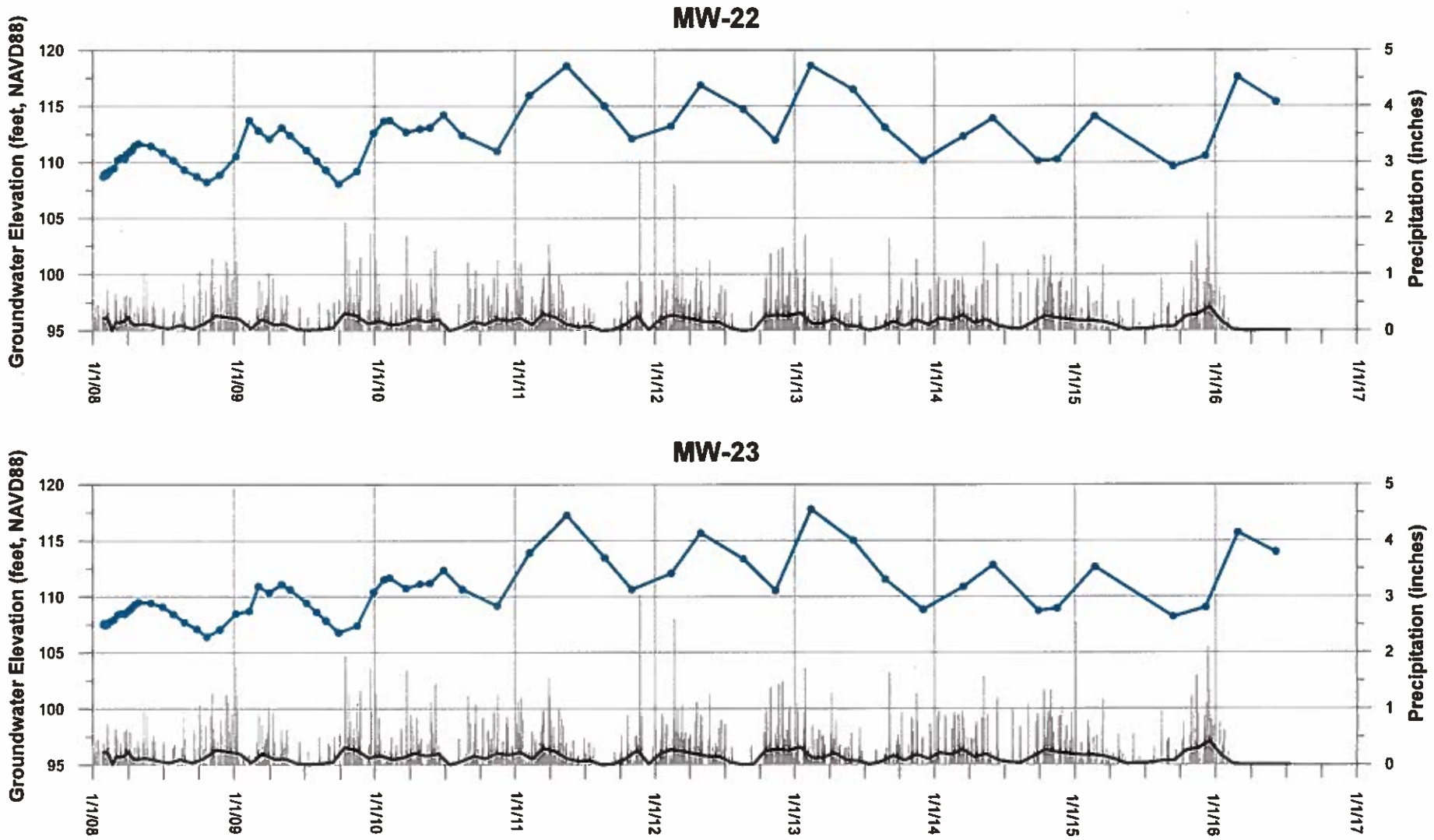
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-15

MW-22 and MW-23 Hydrographs with Precipitation

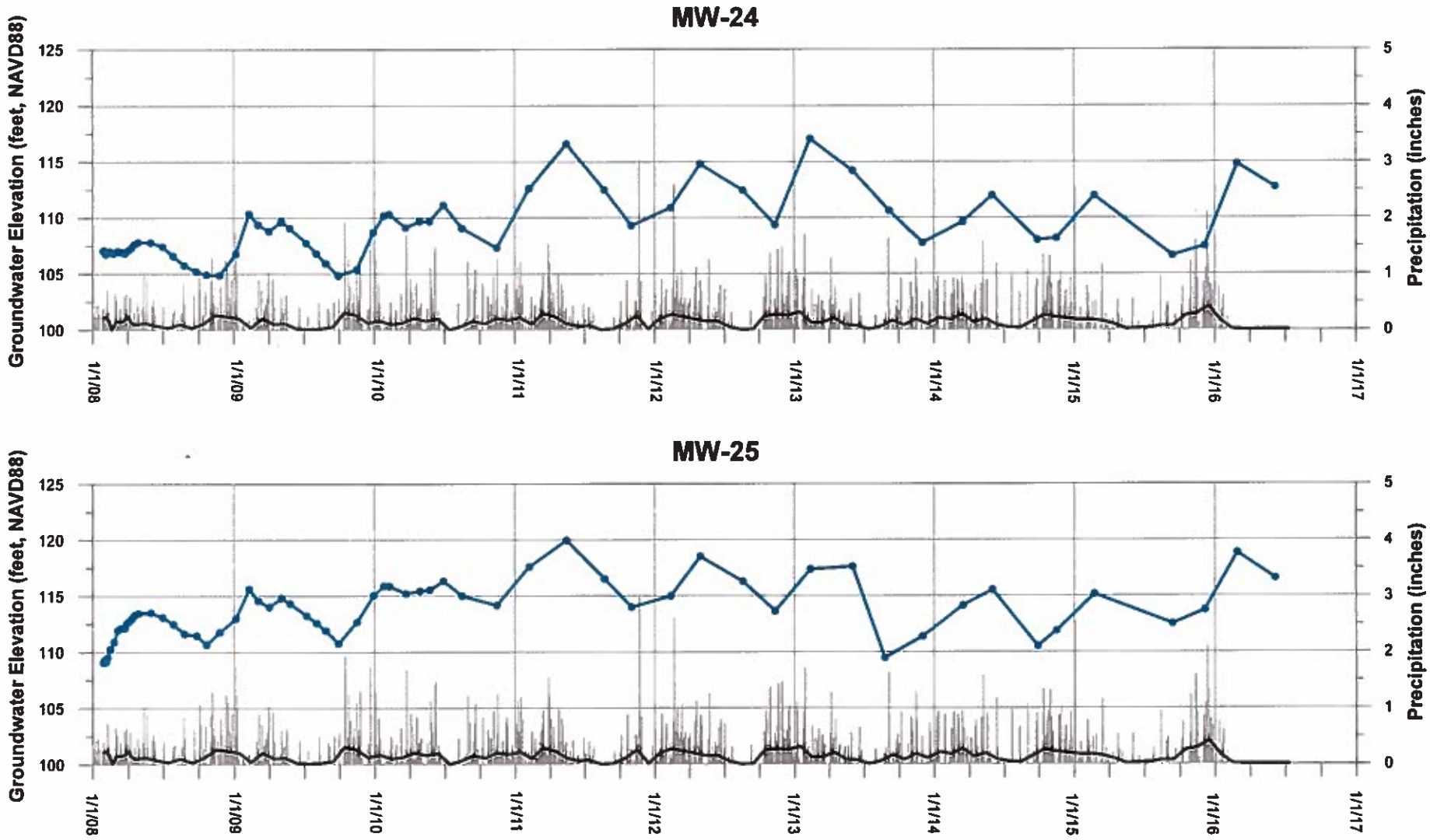
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-16

MW-24 and MW-25 Hydrographs with Precipitation

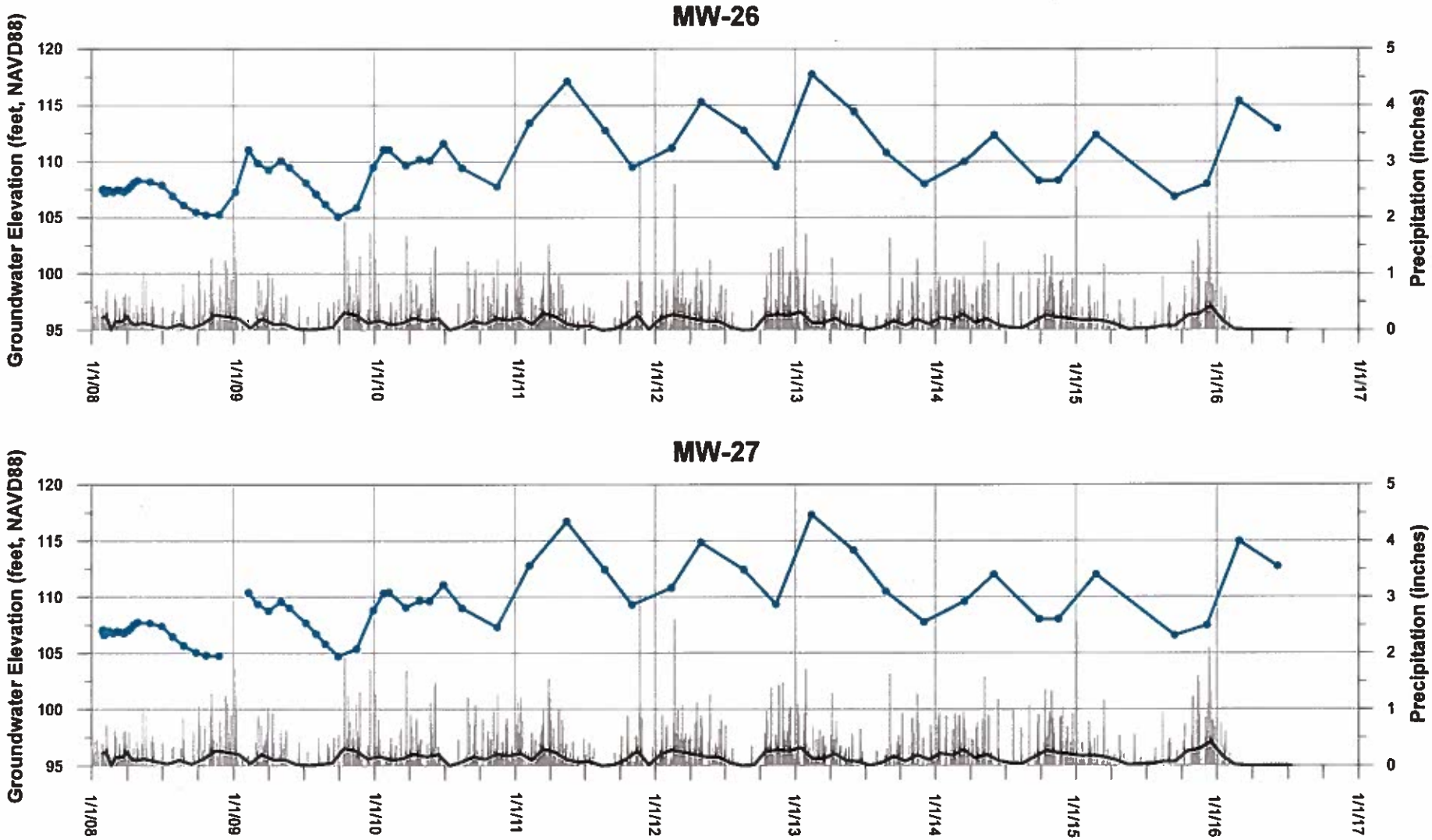
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-17

MW-26 and MW-27 Hydrographs with Precipitation

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

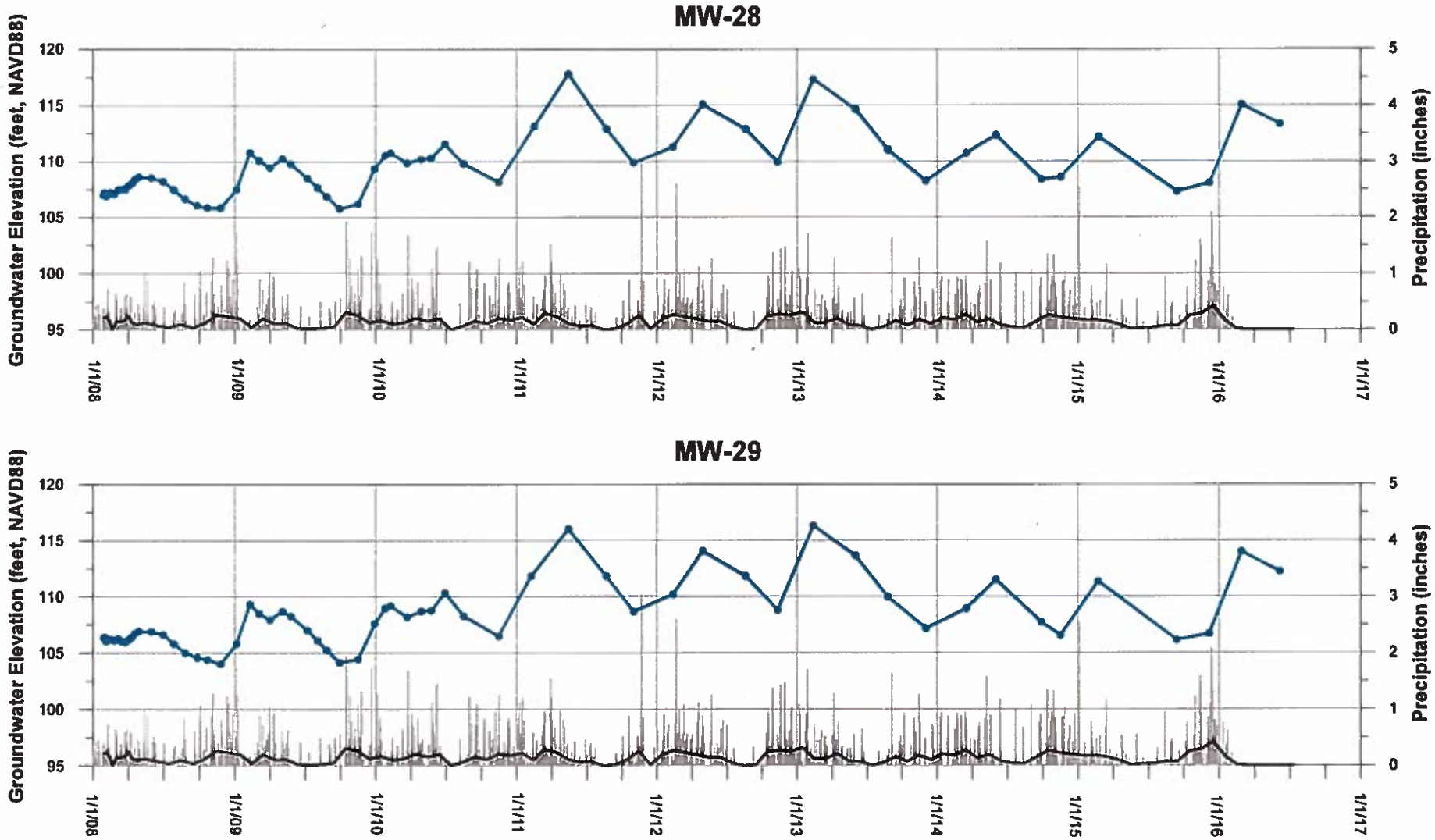
Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.

Precipitation includes rain and/or snow melt.

MW-27 was not measured in December 2008 due to high surface water conditions surrounding the well.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-18

MW-28 and MW-29 Hydrographs with Precipitation

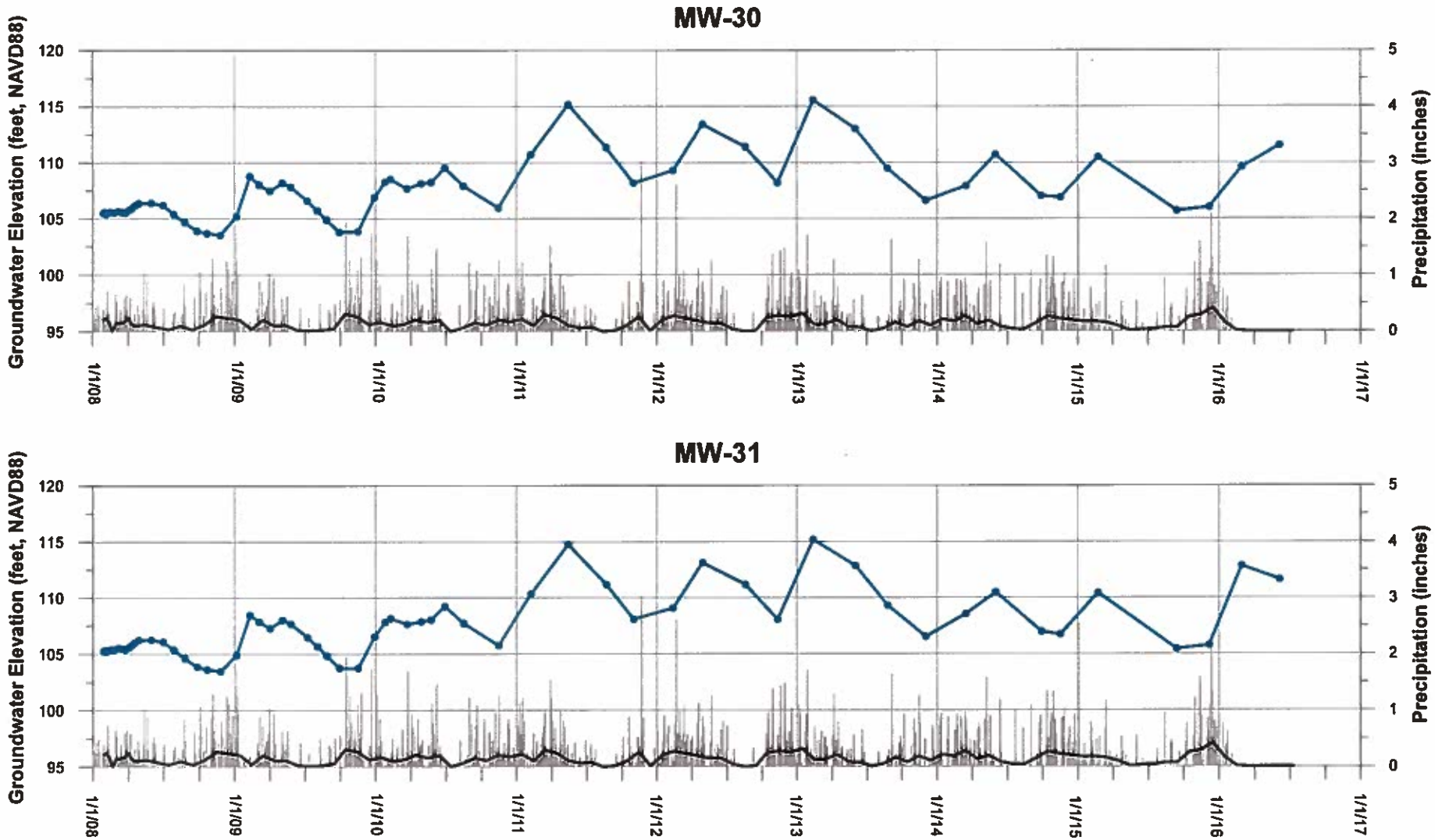
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-19

MW-30 and MW-31 Hydrographs with Precipitation

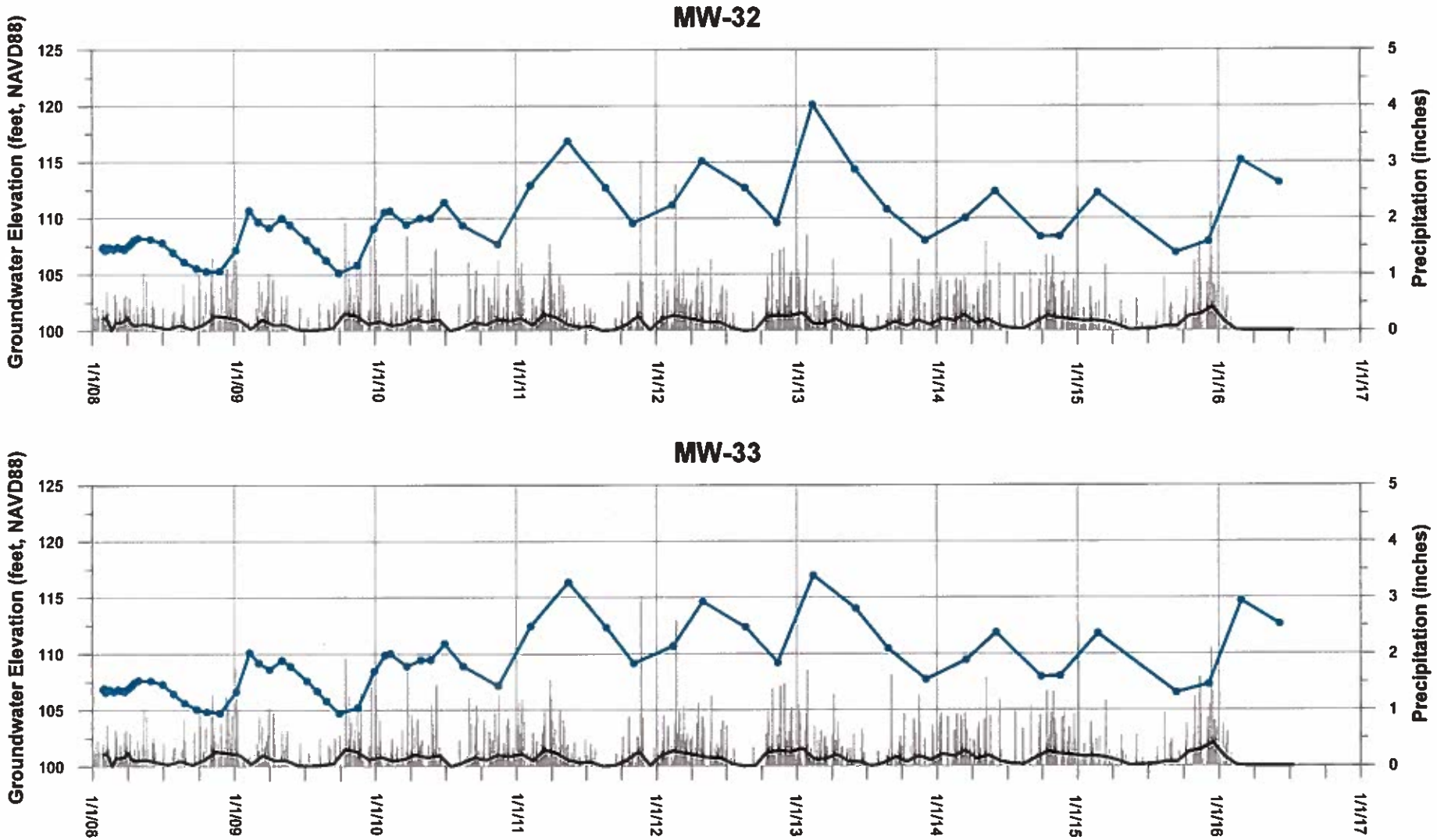
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-20

MW-32 and MW-33 Hydrographs with Precipitation

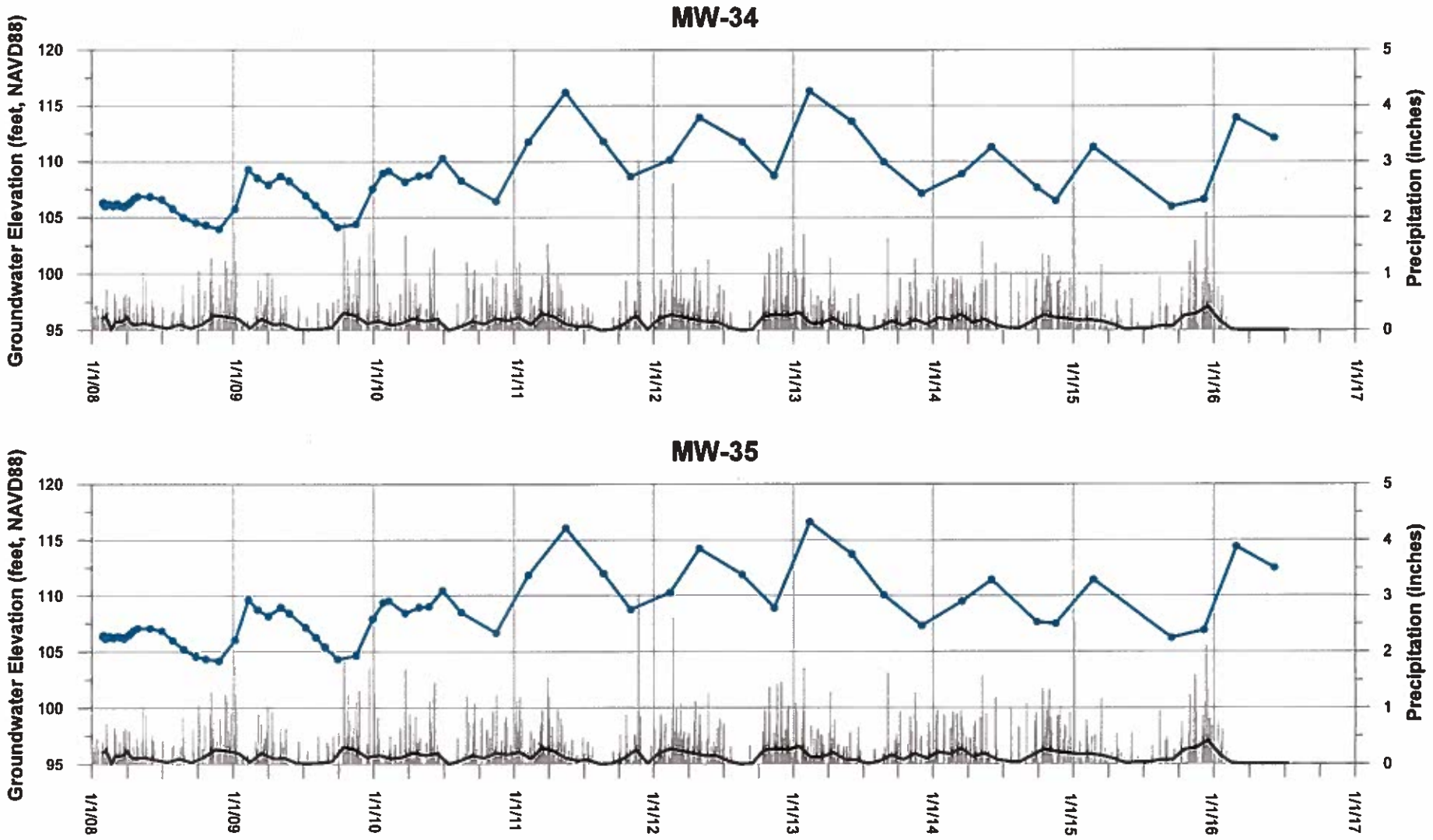
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-21

MW-34 and MW-35 Hydrographs with Precipitation

Former J.H. Baxter Wood Treating Facility

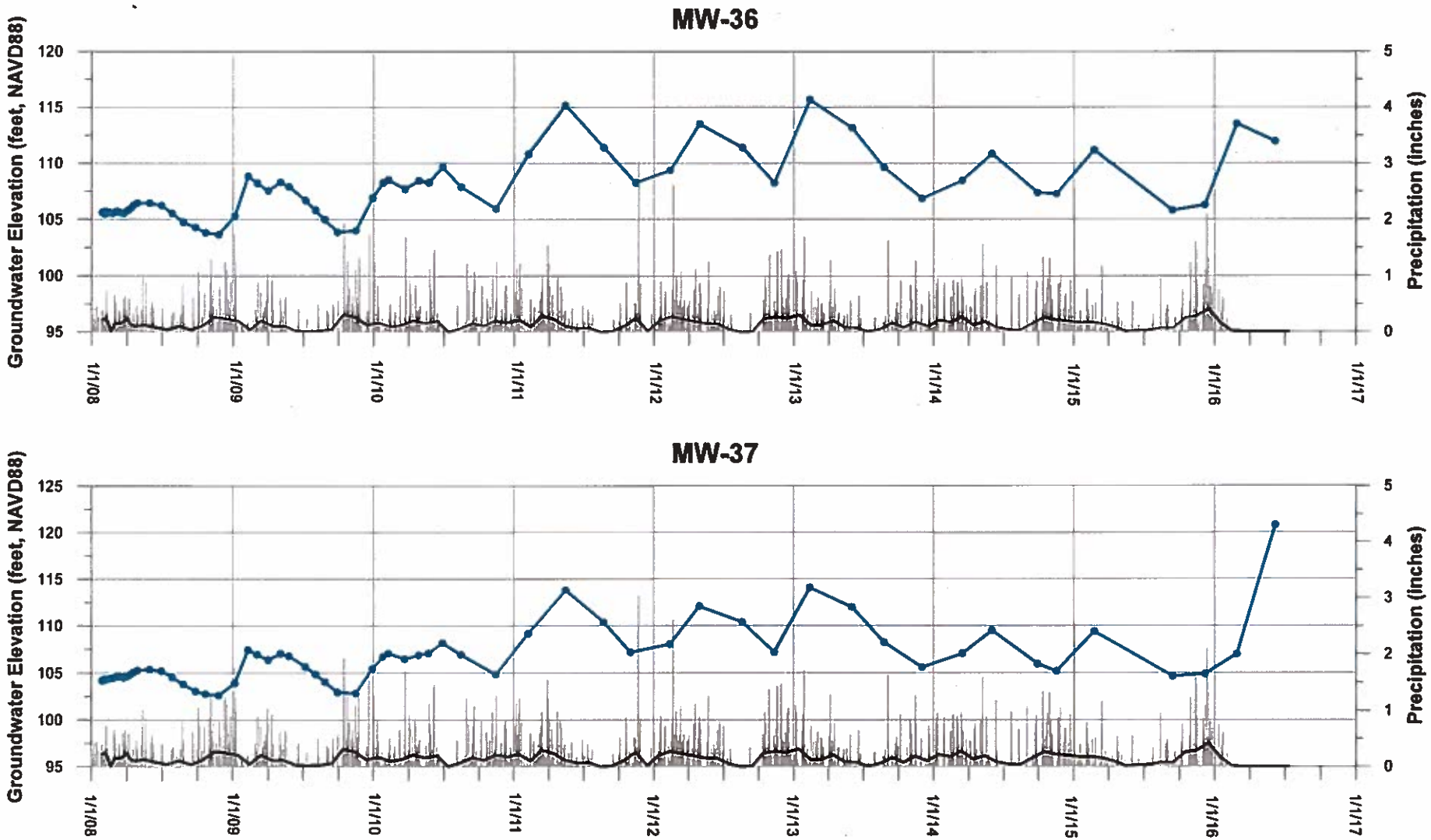
Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.

Precipitation includes rain and/or snow melt.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-22

MW-36 and MW-37 Hydrographs with Precipitation

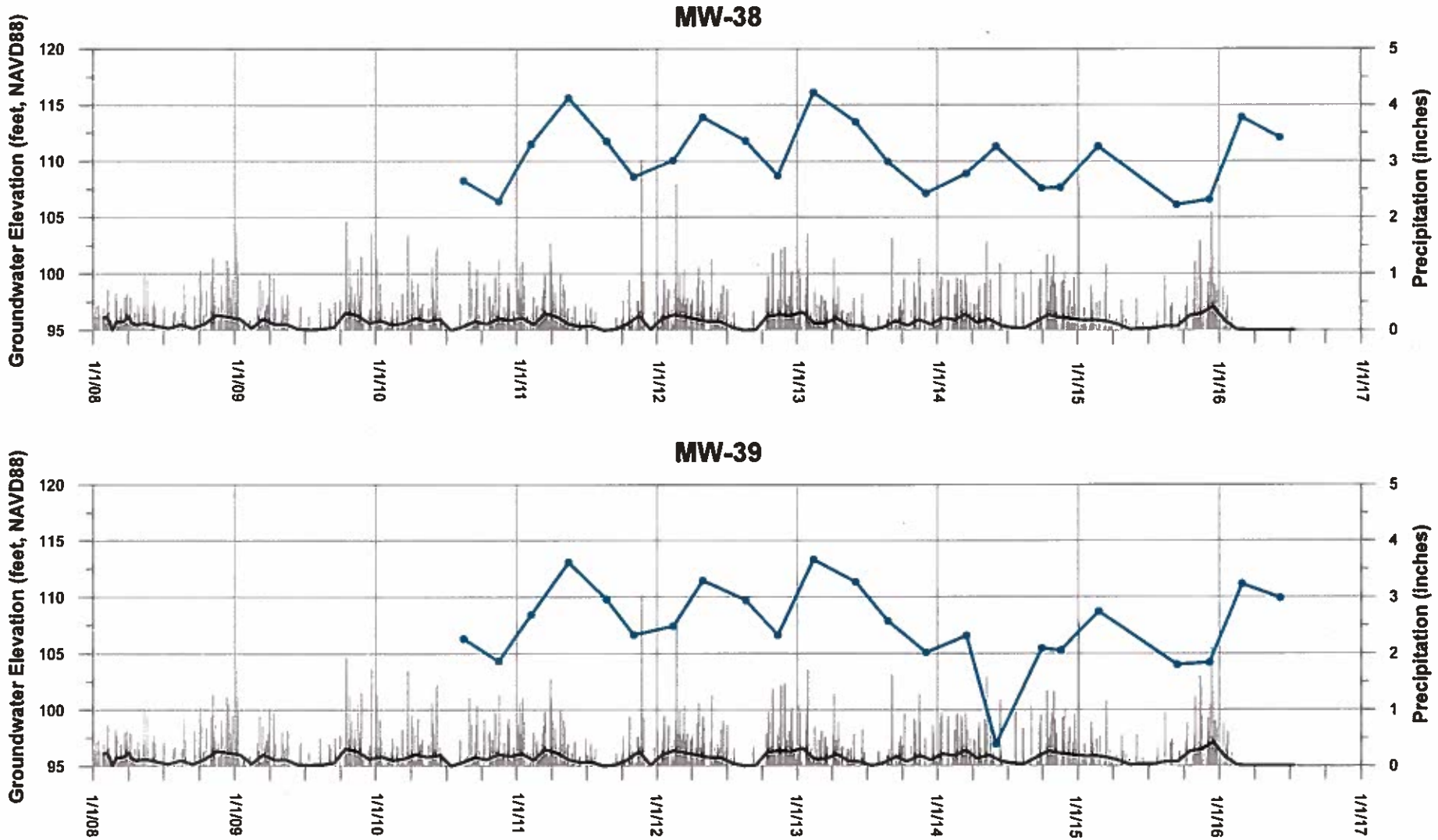
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.
Suspect measurement at MW-37 in Second Quarter 2016.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-23

MW-38 and MW-39 Hydrographs with Precipitation

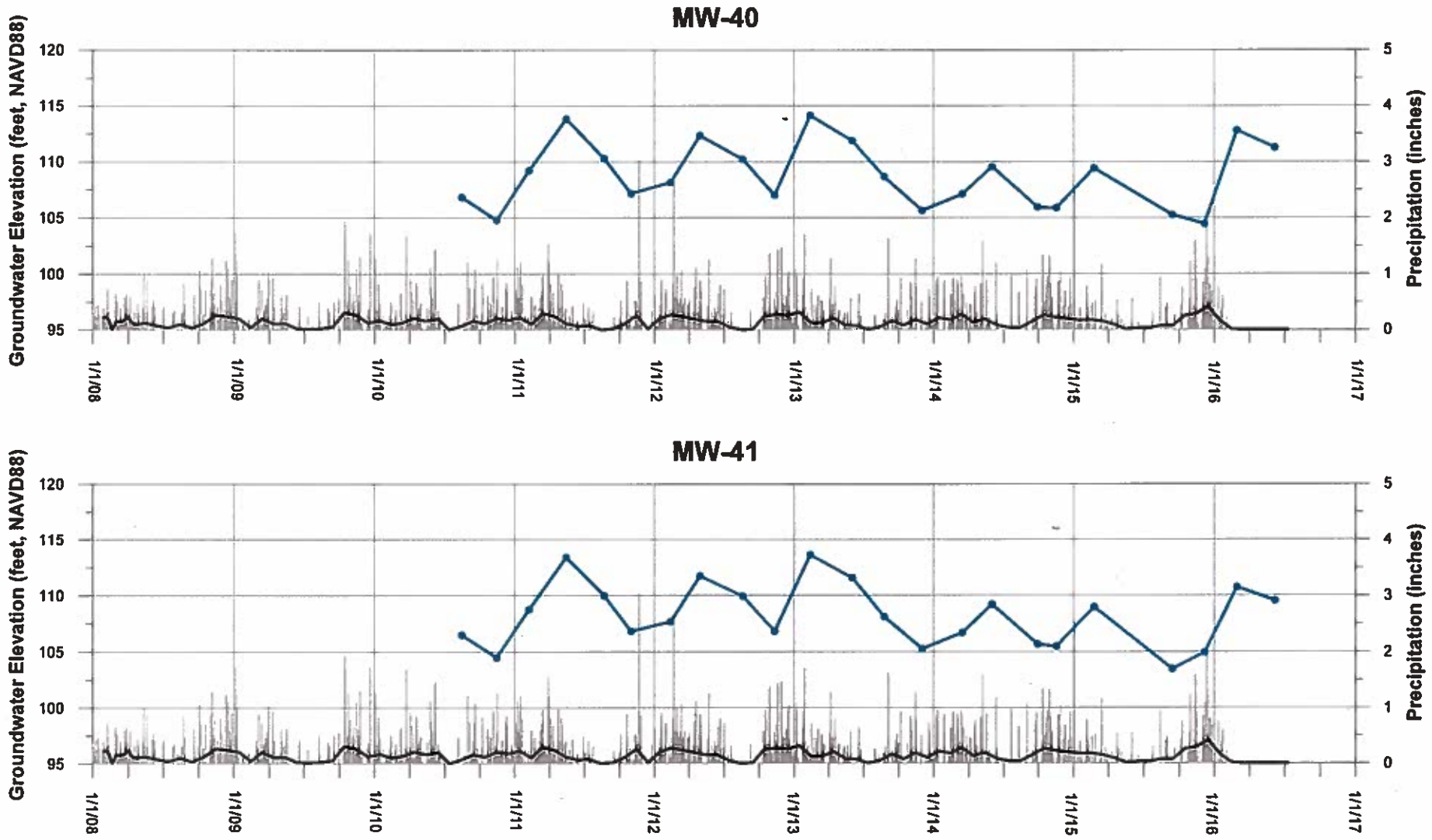
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.
MW-38 and MW-39 constructed in July 2010.
MW-39 measurement from Second Quarter 2014 is suspected to be a fiel error and is ten feet lower than the expected value.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-24

MW-40 and MW-41 Hydrographs with Precipitation

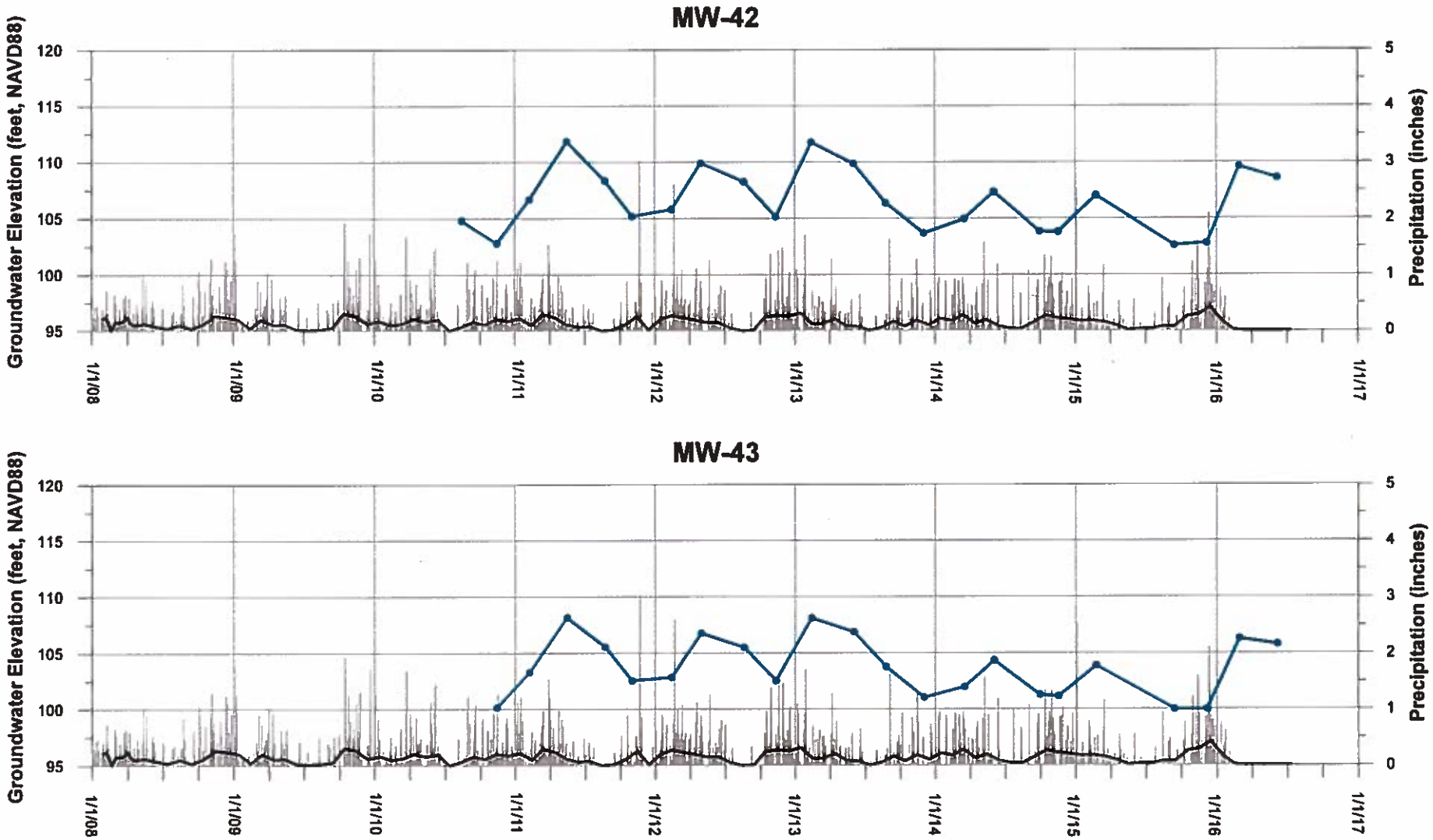
Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.
MW-40 and MW-41 constructed in July 2010.

GSI Water Solutions, Inc.



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

FIGURE A-25

MW-42 and MW-43 Hydrographs with Precipitation

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

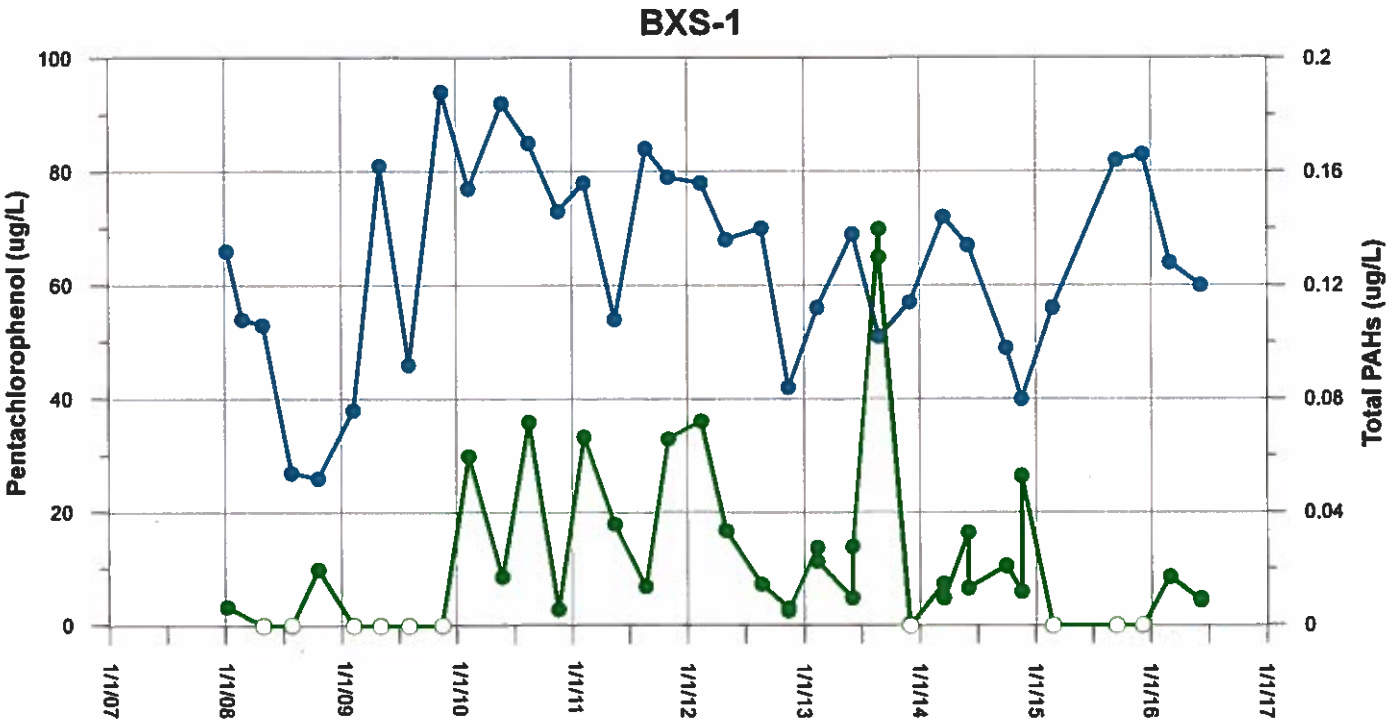
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.
MW-42 constructed in July 2010 and MW-43 constructed in October 2010.

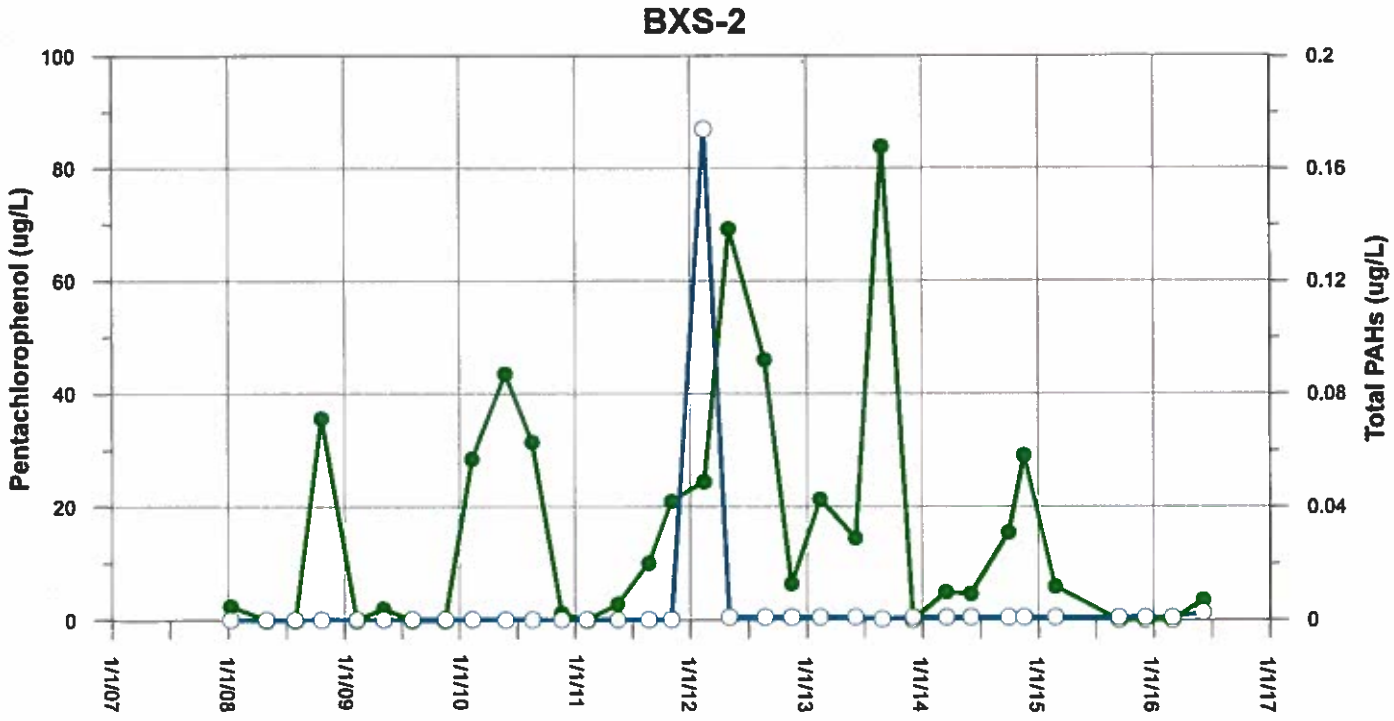
GSI Water Solutions, Inc.

Appendix B

(provided on CD only)

Appendix C





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

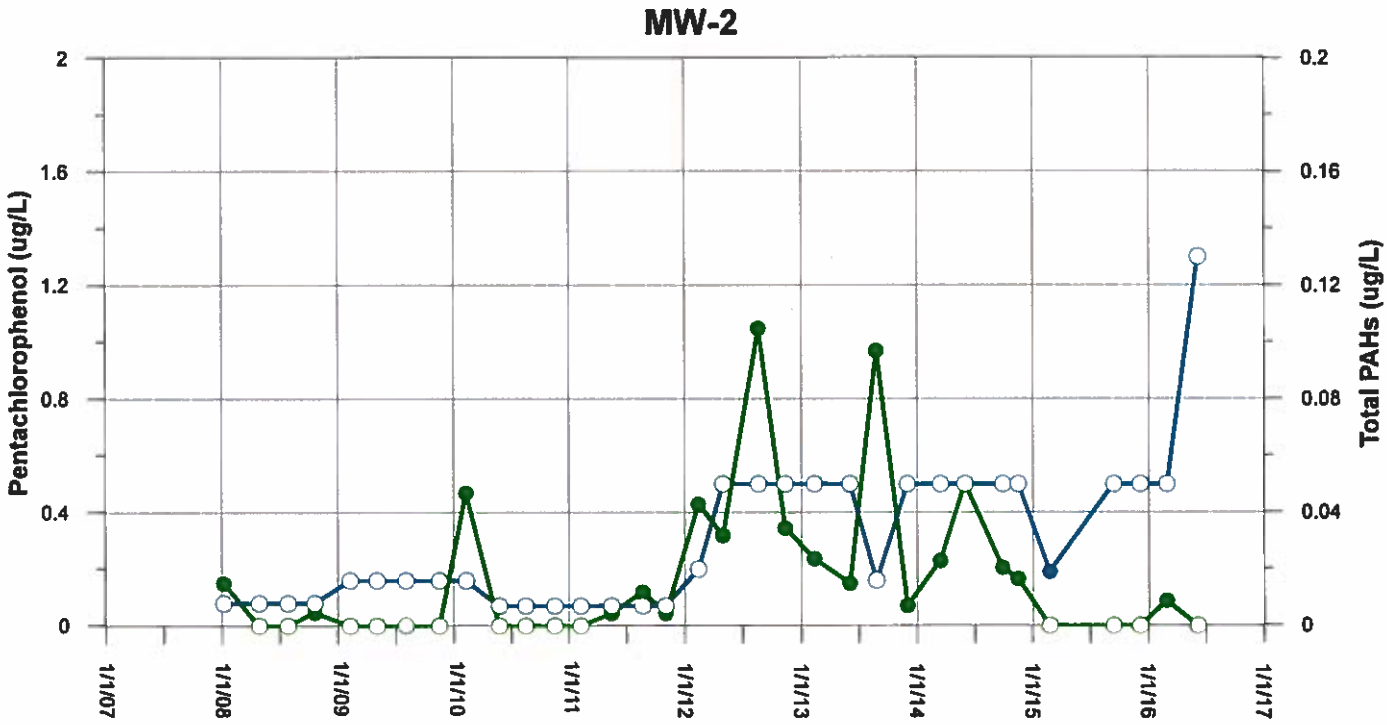
FIGURE C-1

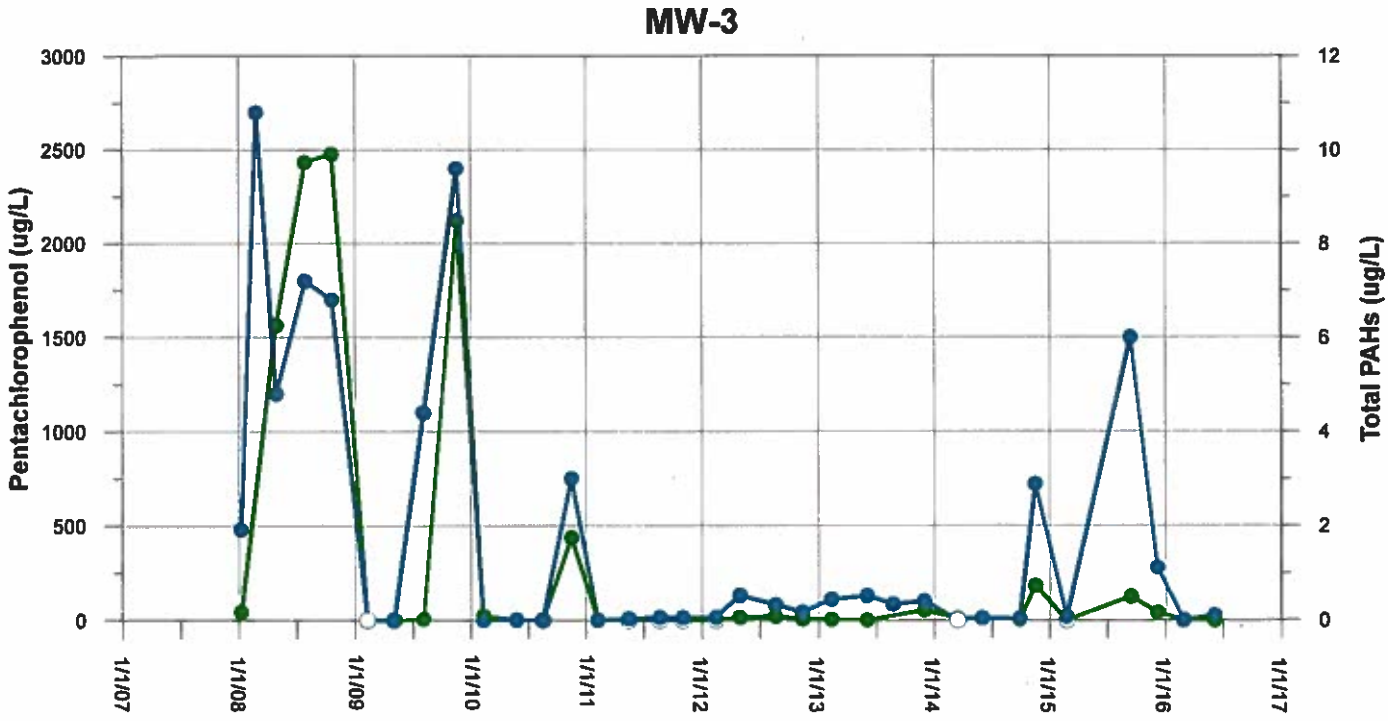
Pentachlorophenol and Total PAHs Groundwater Concentrations in BXS-1 and BXS-2

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

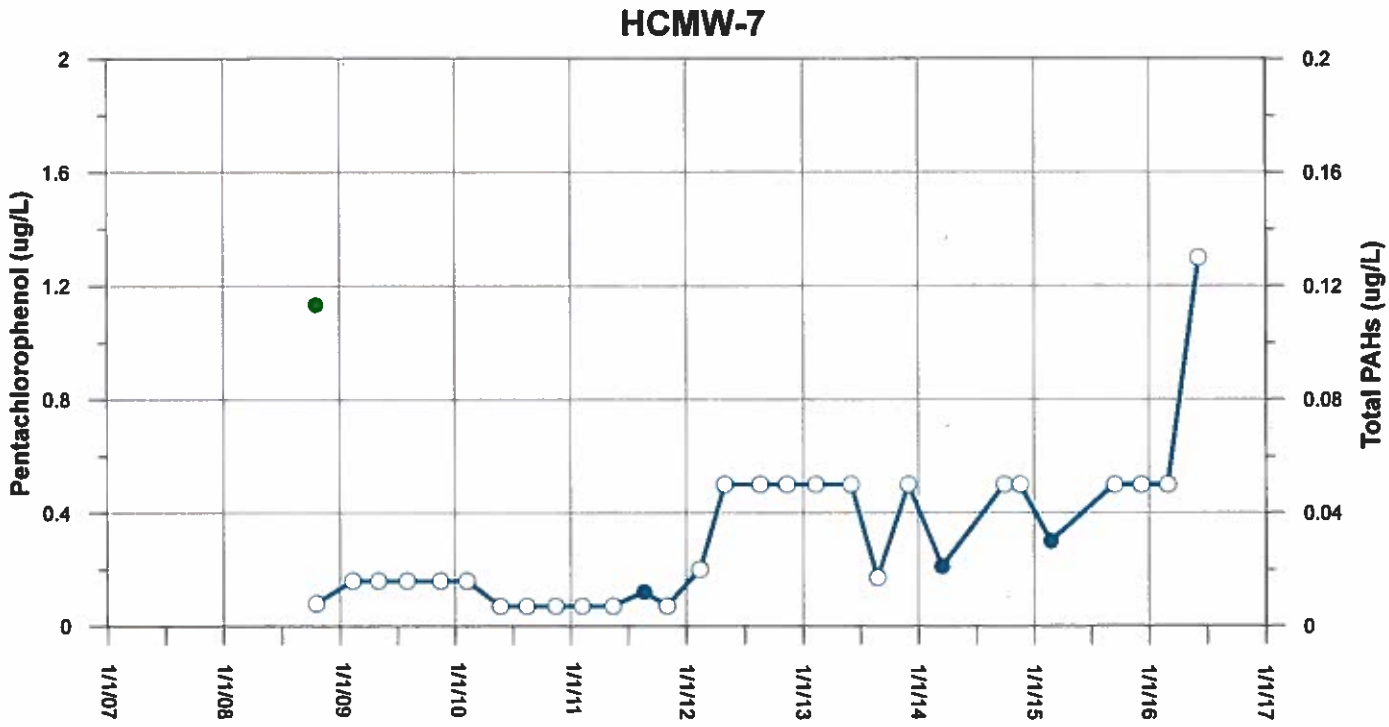
FIGURE C-2

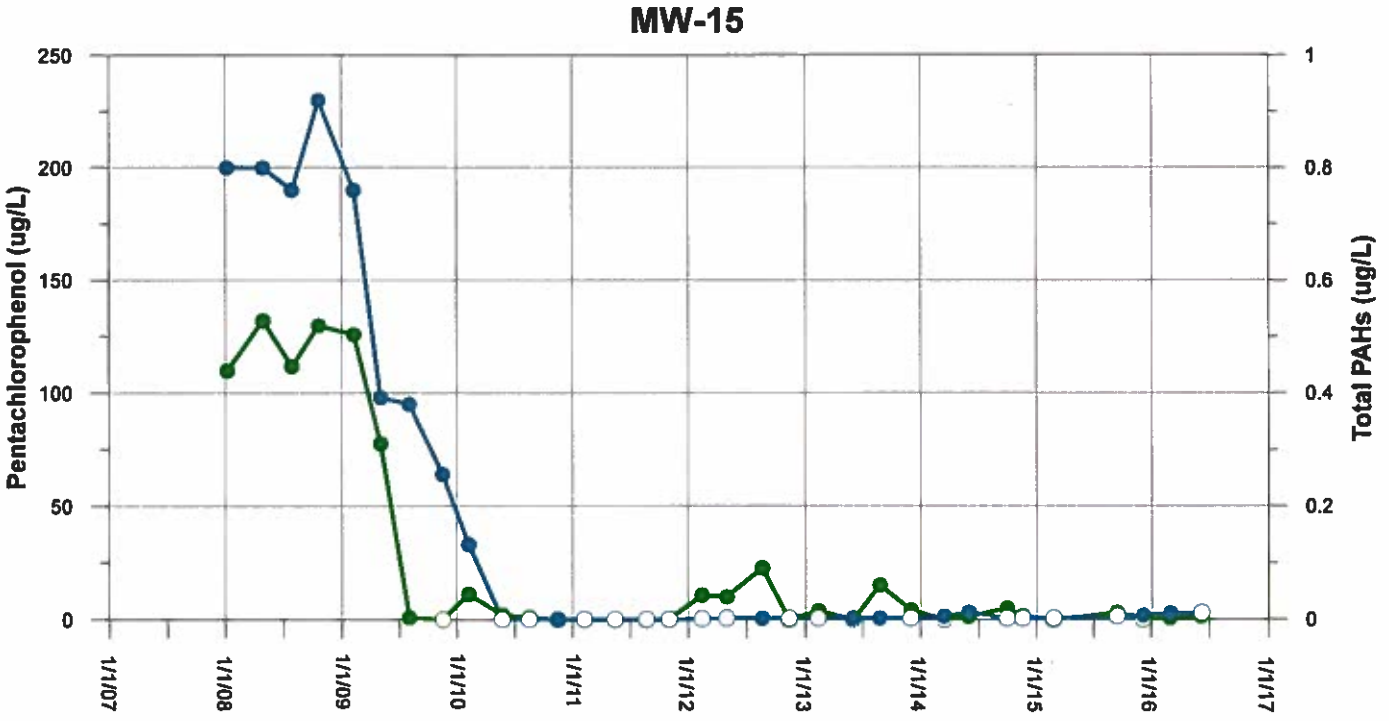
Pentachlorophenol and Total PAHs Groundwater Concentrations in MW-2 and MW-3

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

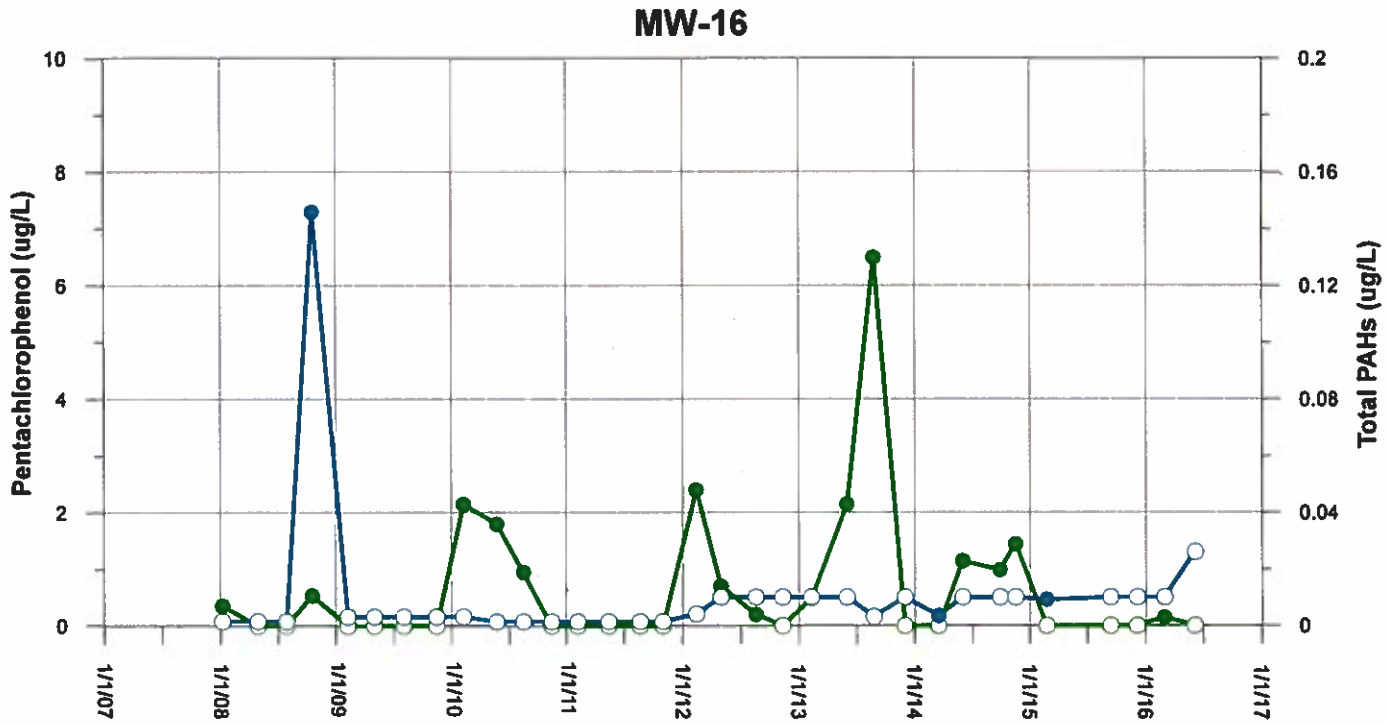
FIGURE C-3

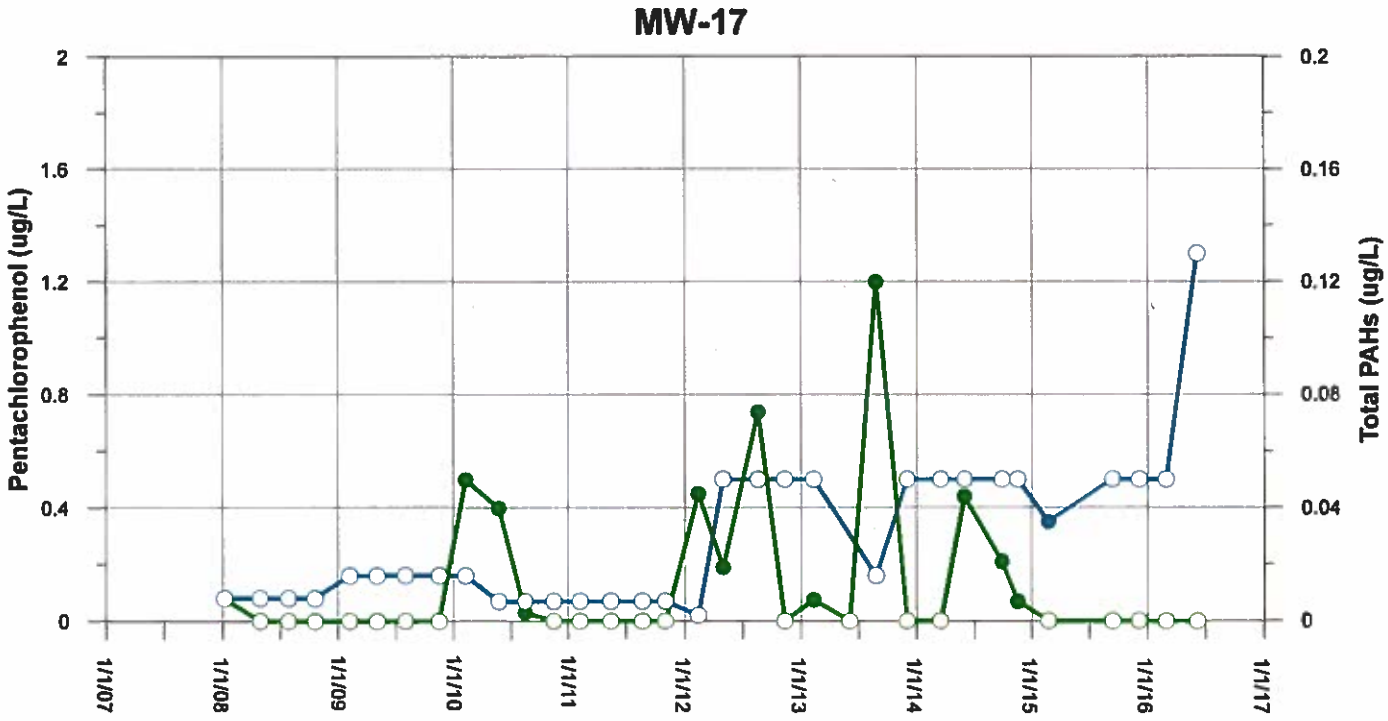
Pentachlorophenol and Total PAHs Groundwater Concentrations in HCMW-7 and MW-15

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

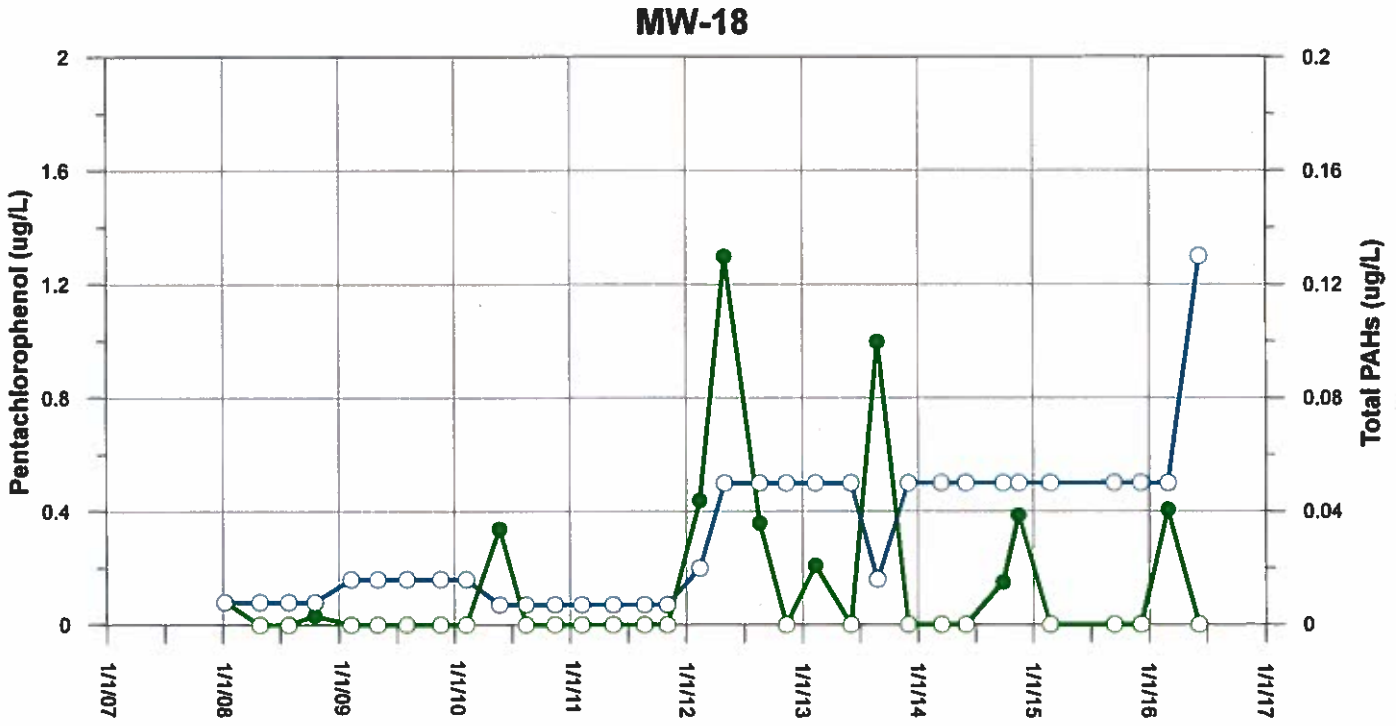
FIGURE C-4

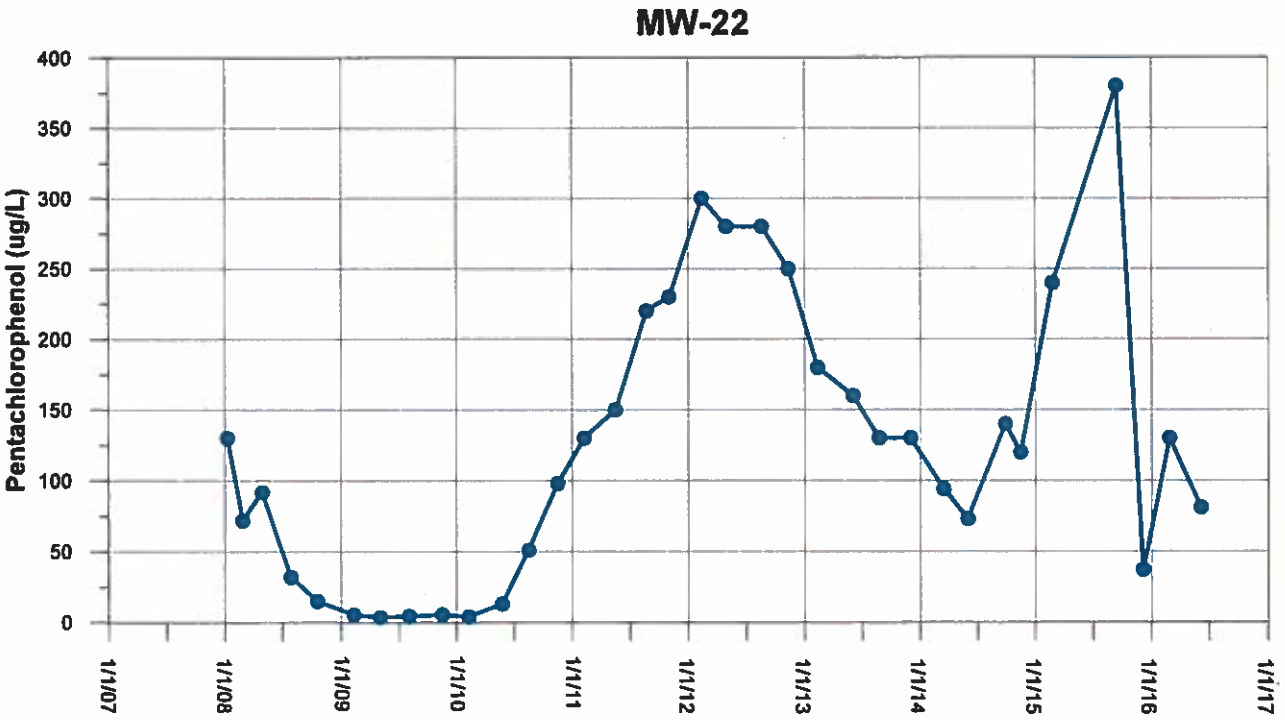
Pentachlorophenol and Total PAHs Groundwater Concentrations in MW-16 and MW-17

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.





PAHs not analyzed in MW-22.

Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

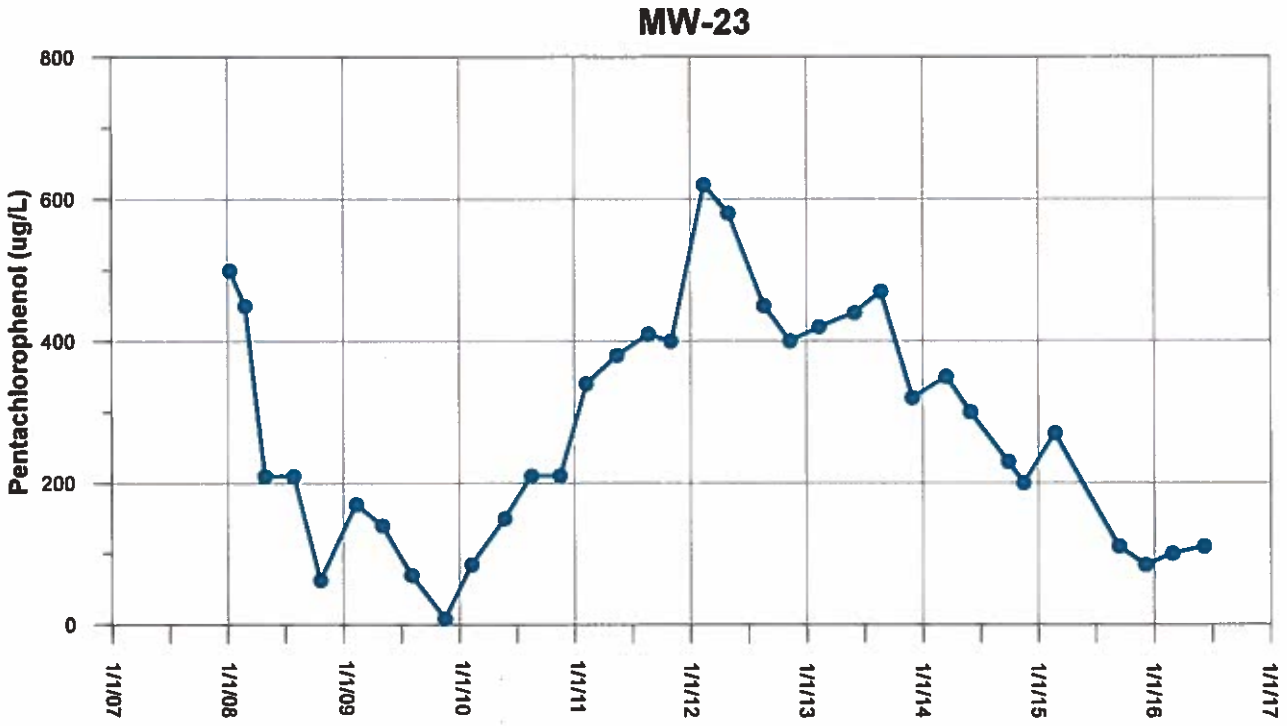
FIGURE C-5

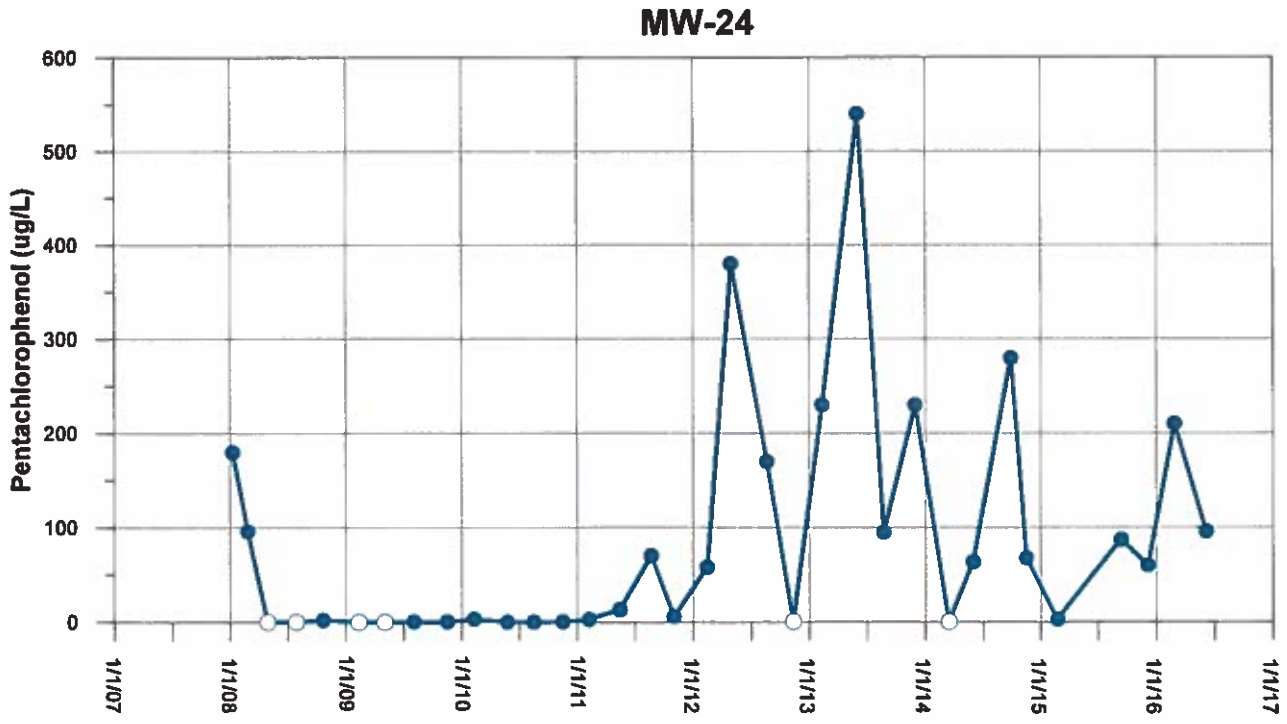
Pentachlorophenol and Total PAHs Groundwater Concentrations in MW-18 and MW-22

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.





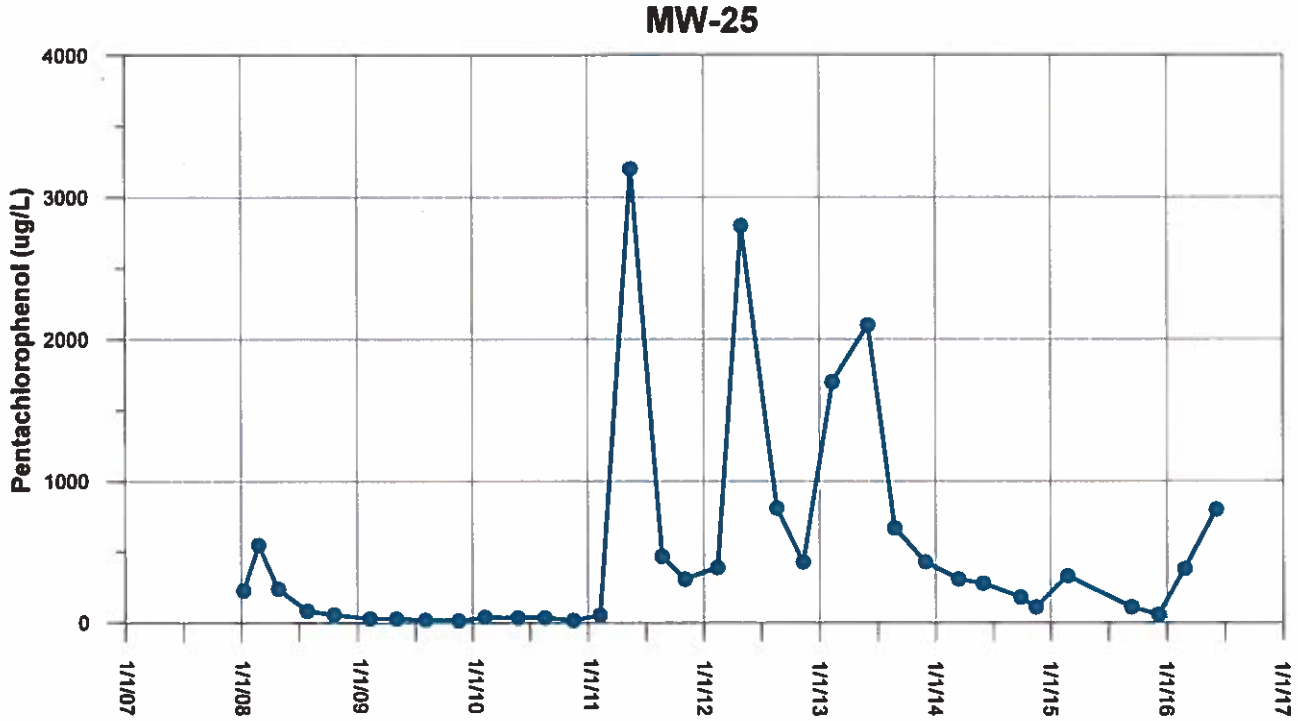
Legend:

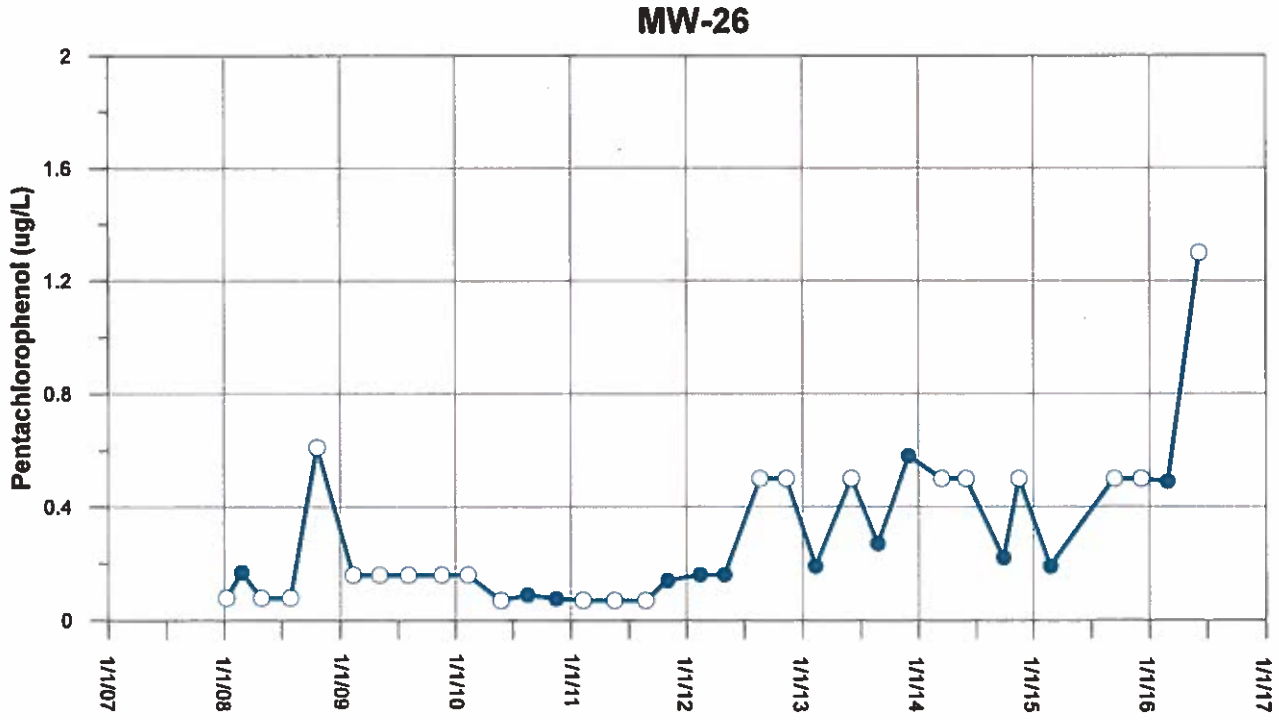
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

FIGURE C-6
Pentachlorophenol Groundwater Concentrations in MW-23 and MW-24
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.

Notes:
ug/L = microgram per liter





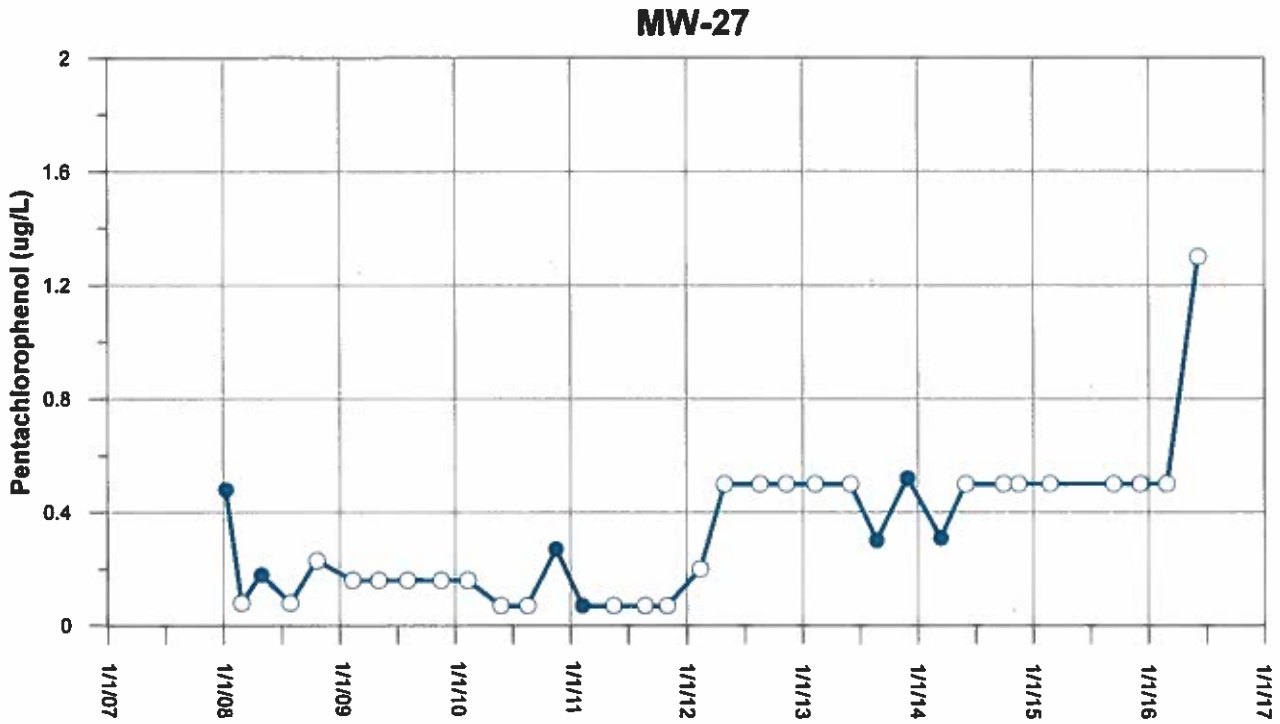
Legend:

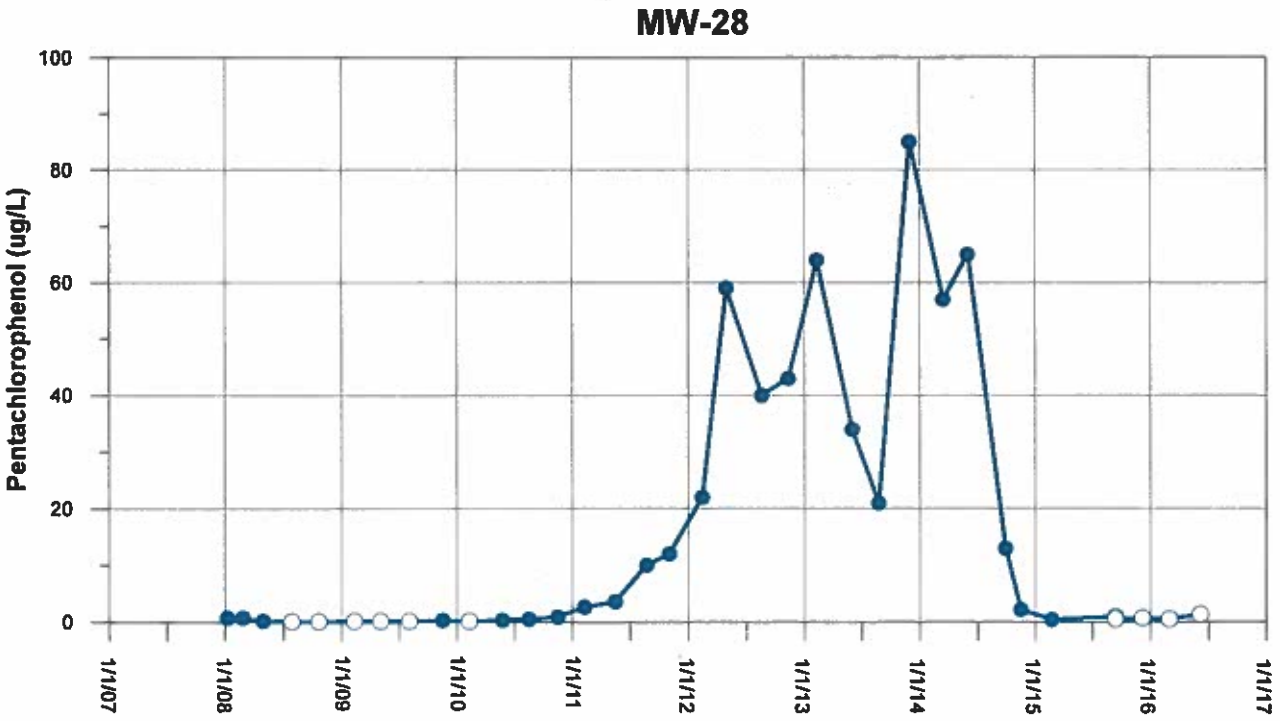
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

Notes:
ug/L = microgram per liter

FIGURE C-7
Pentachlorophenol Groundwater Concentrations in MW-25 and MW-26
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.





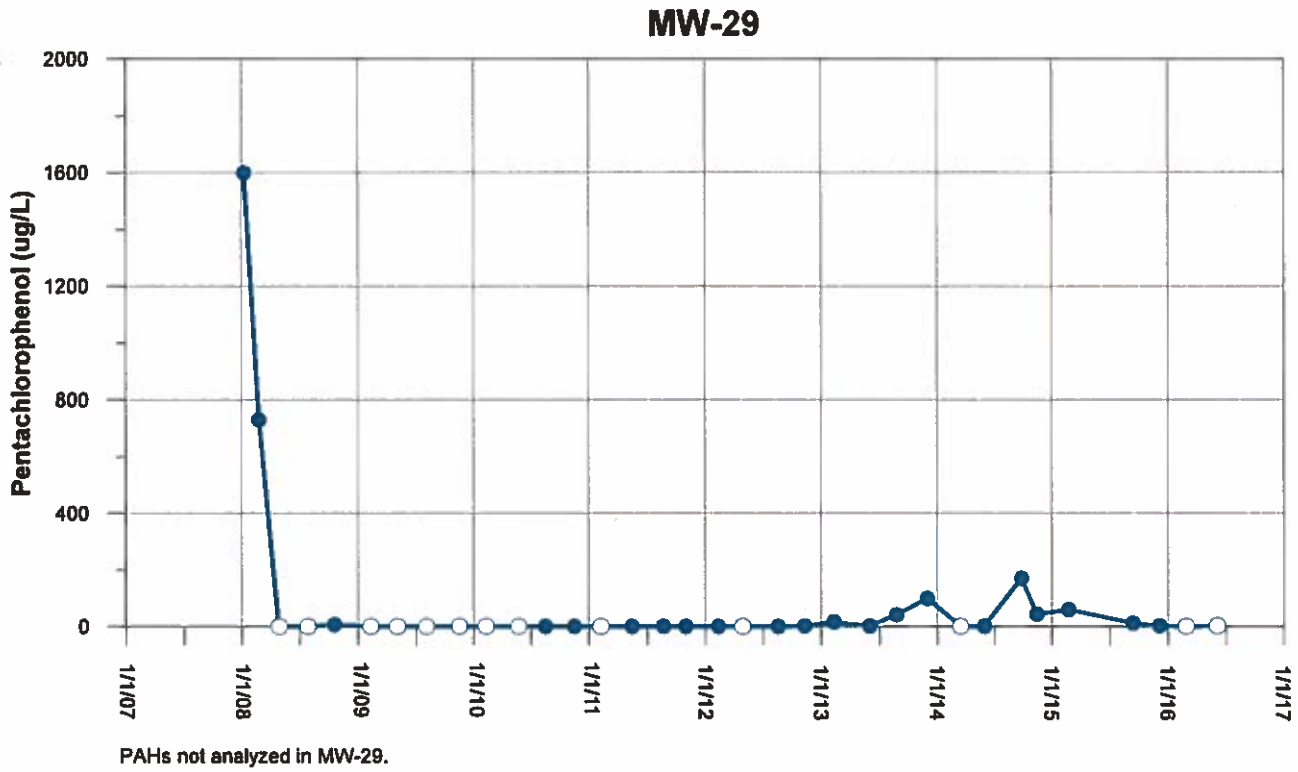
Legend:

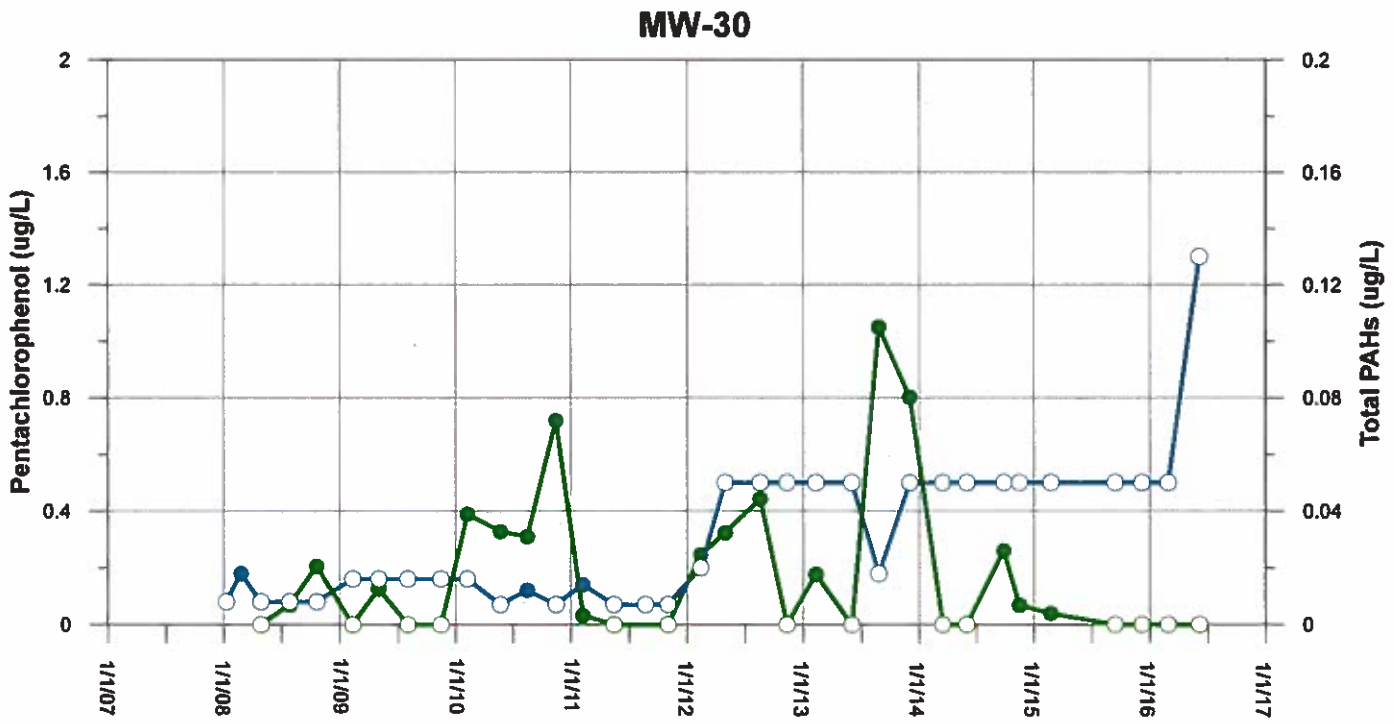
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

Notes:
ug/L = microgram per liter

FIGURE C-8
Pentachlorophenol Groundwater Concentrations in MW-27 and MW-28
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.





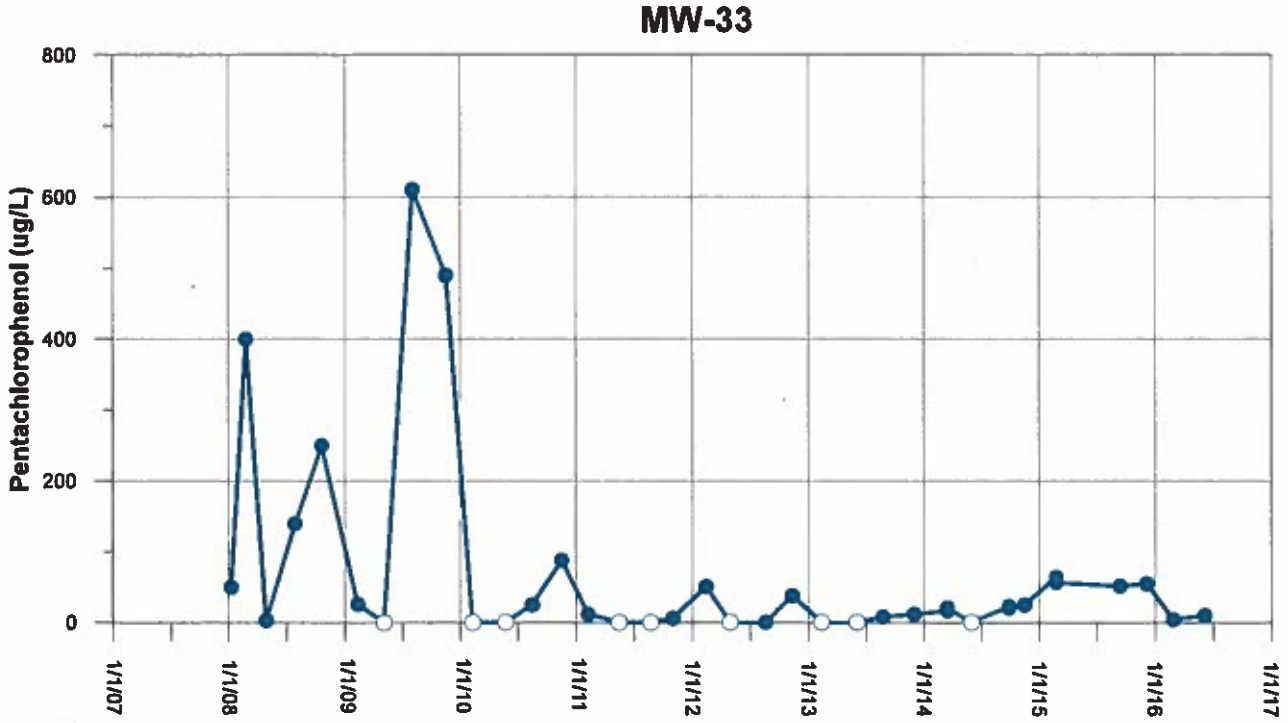
Legend:

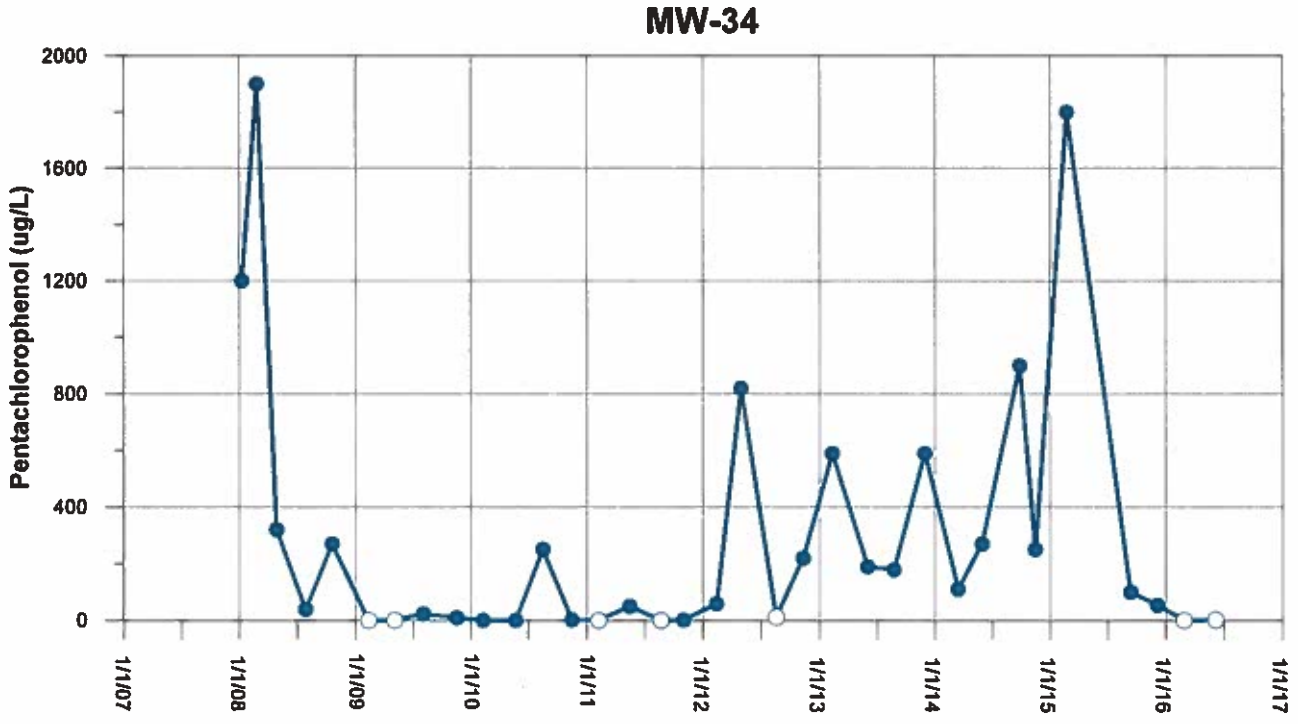
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes: ug/L = microgram per liter
Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

FIGURE C-9
Pentachlorophenol and Total PAHs Groundwater Concentrations in MW-29 and MW-30
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.





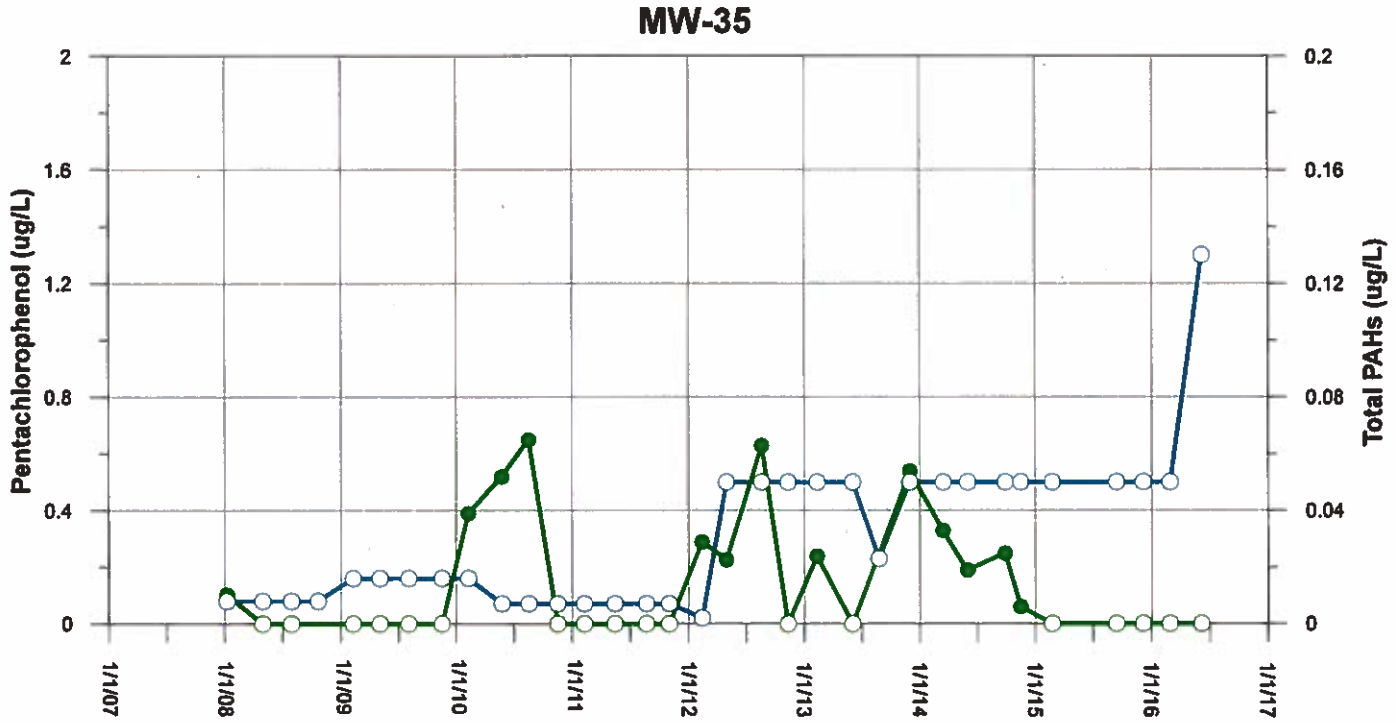
Legend:

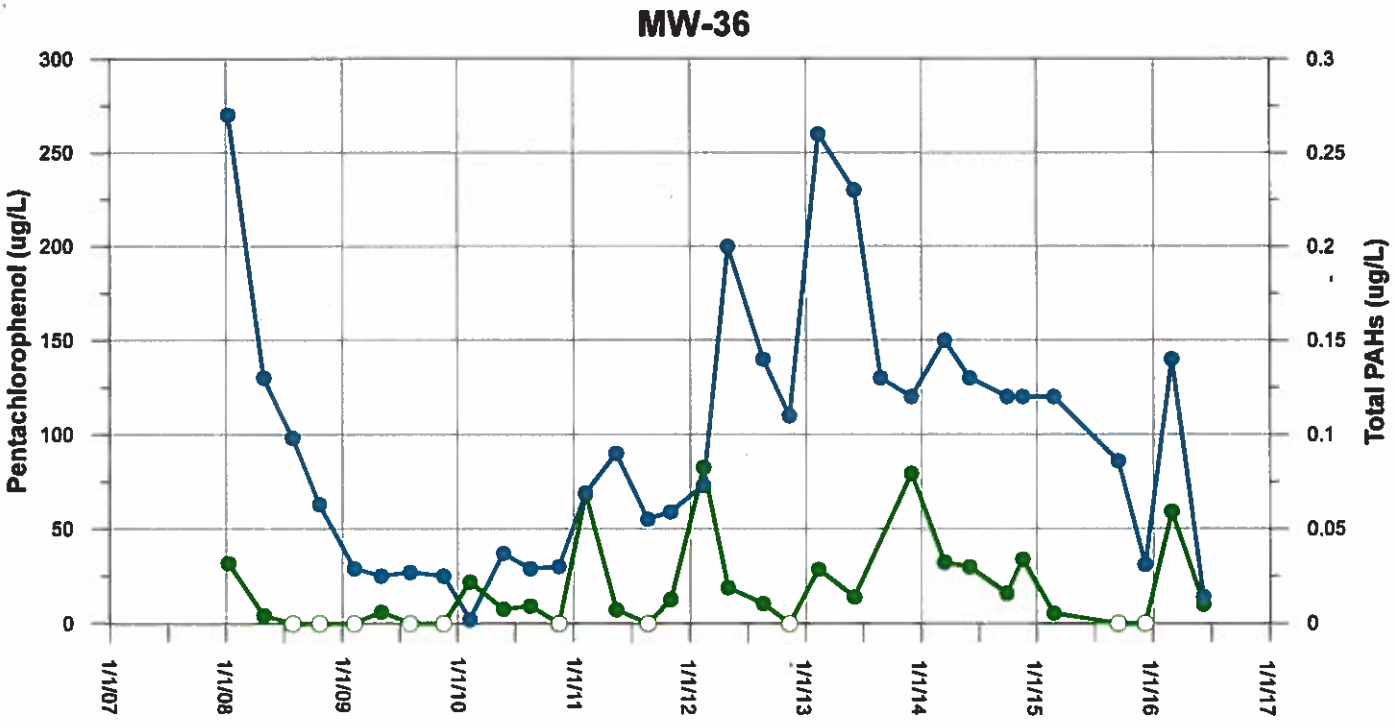
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

Notes:
ug/L = microgram per liter

FIGURE C-11
Pentachlorophenol Groundwater Concentrations in MW-33 and MW-34
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

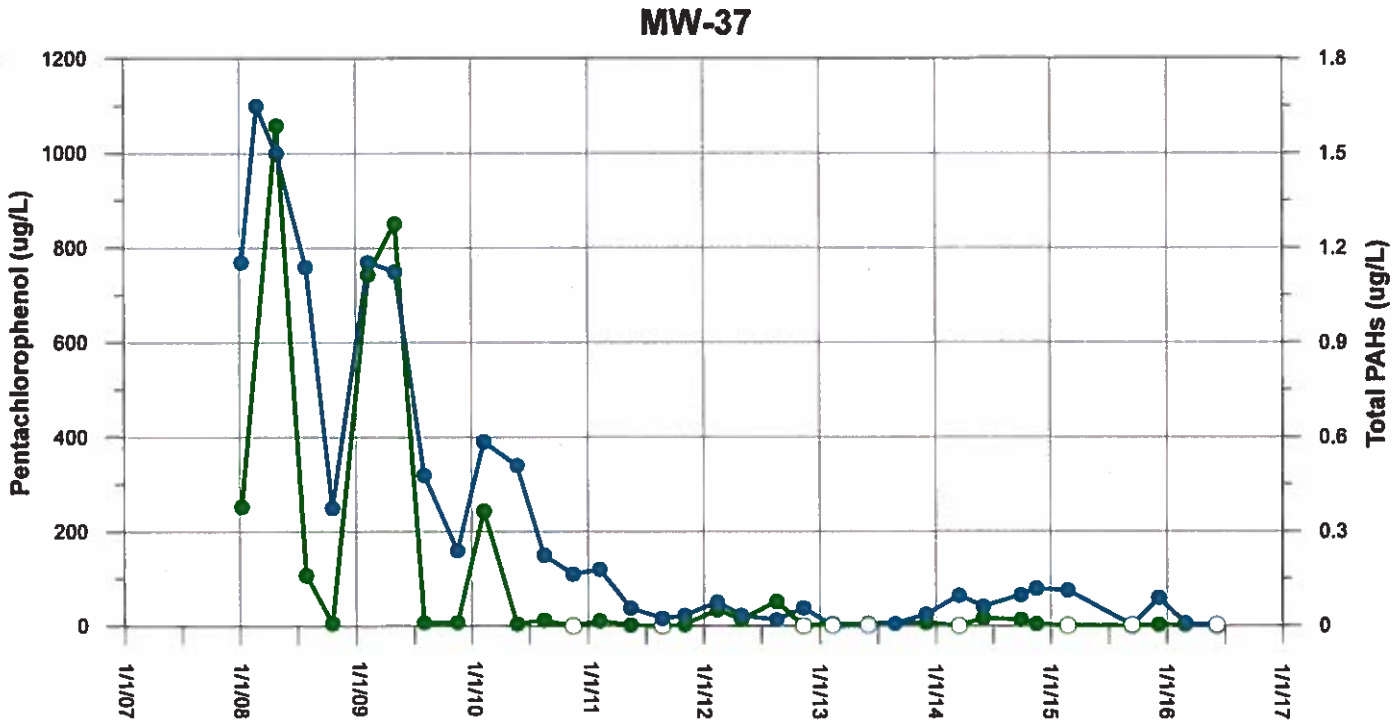
FIGURE C-12

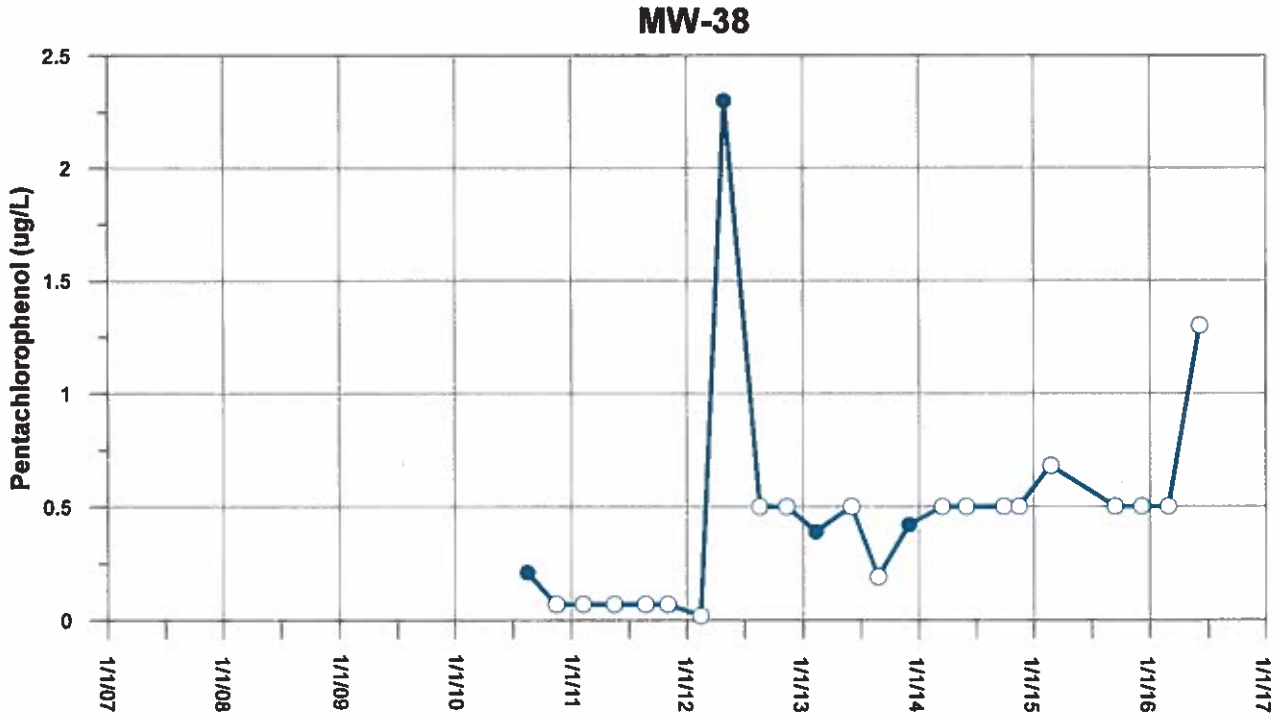
Pentachlorophenol and Total PAHs Groundwater Concentrations in MW-35 and MW-36

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.





PAHs not analyzed in MW-38.

Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

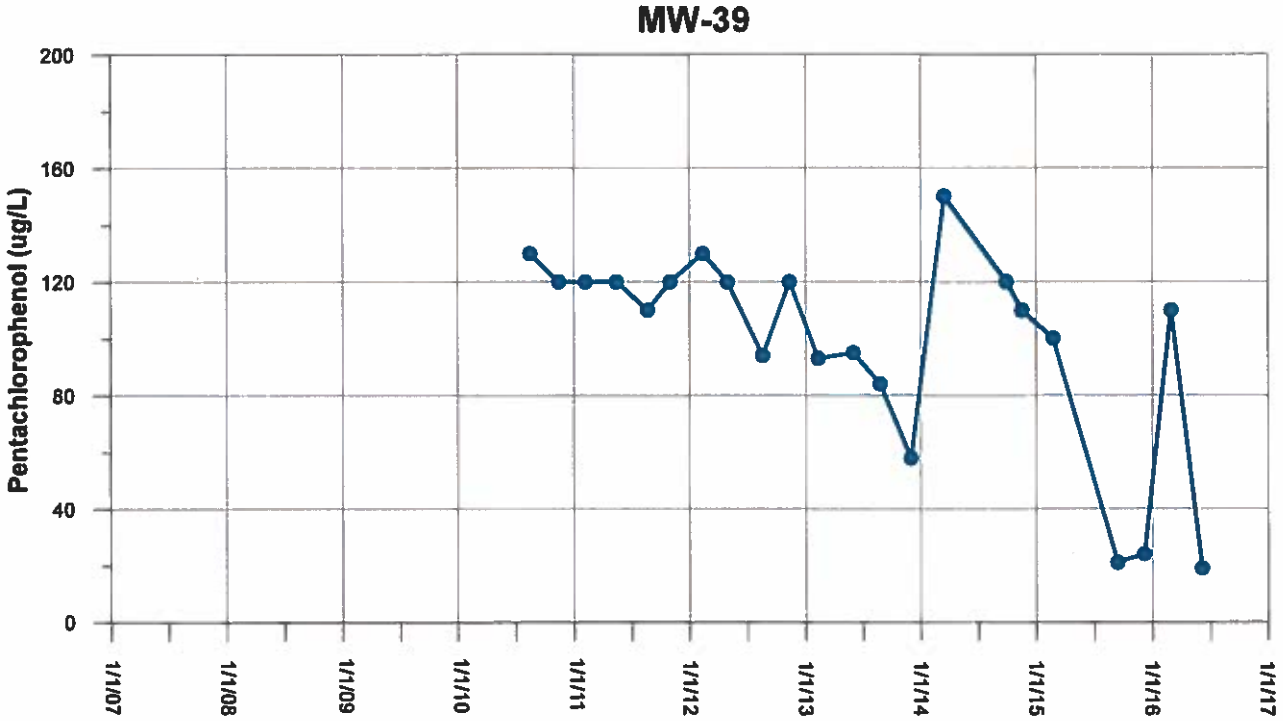
FIGURE C-13

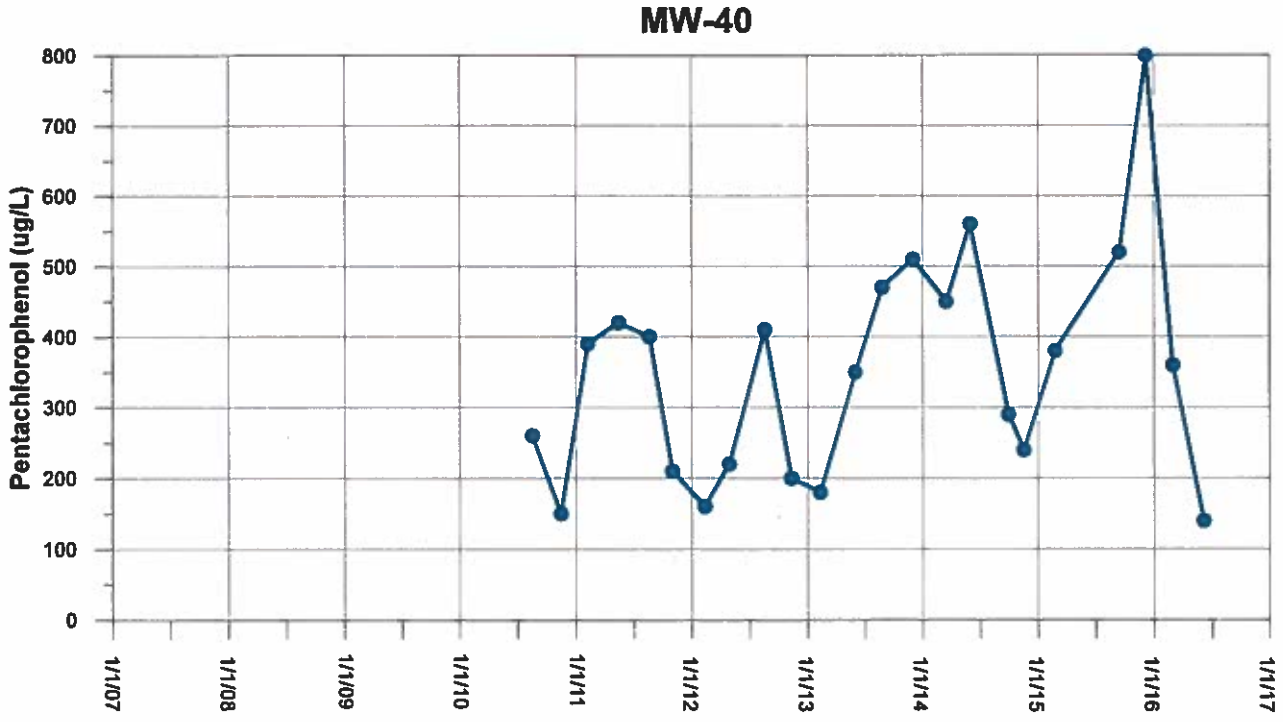
Pentachlorophenol and Total PAHs Groundwater Concentrations in MW-37 and MW-38

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.





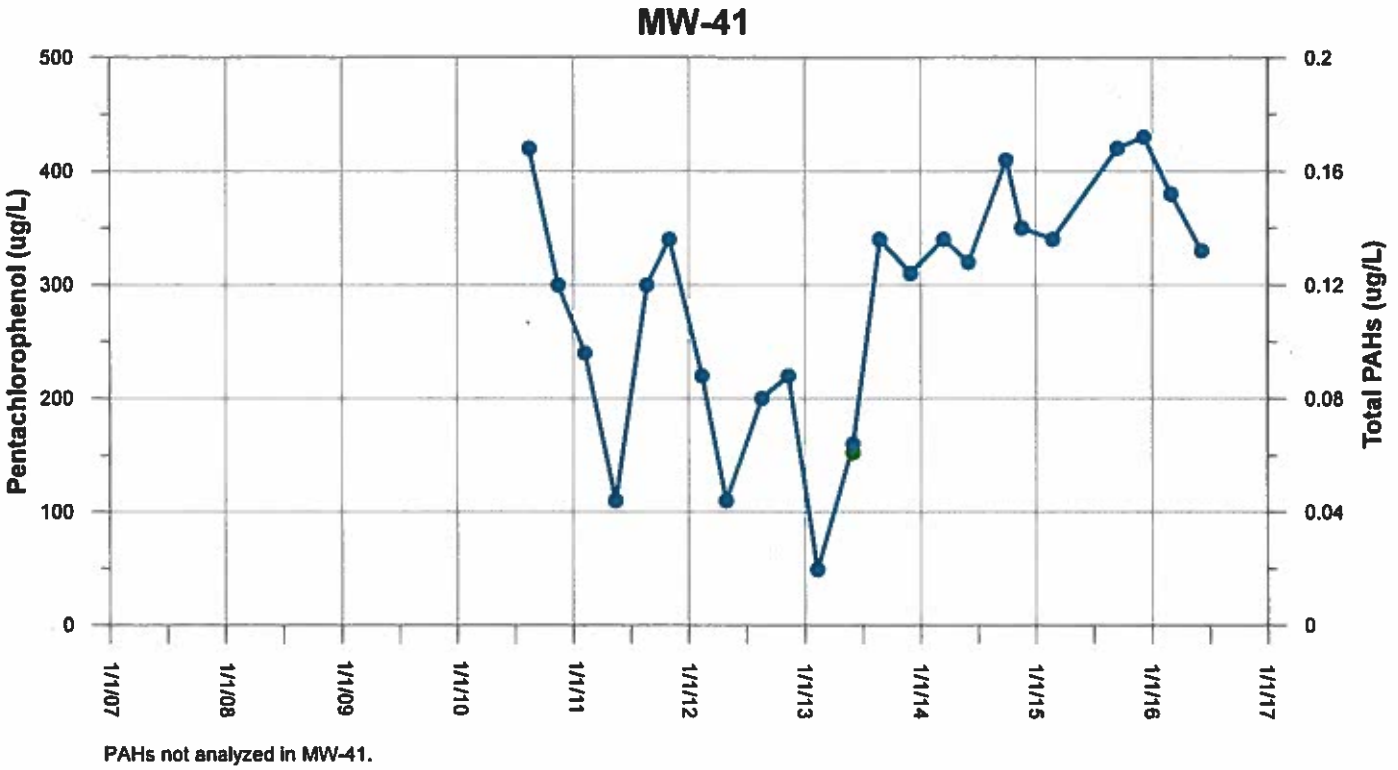
Legend:

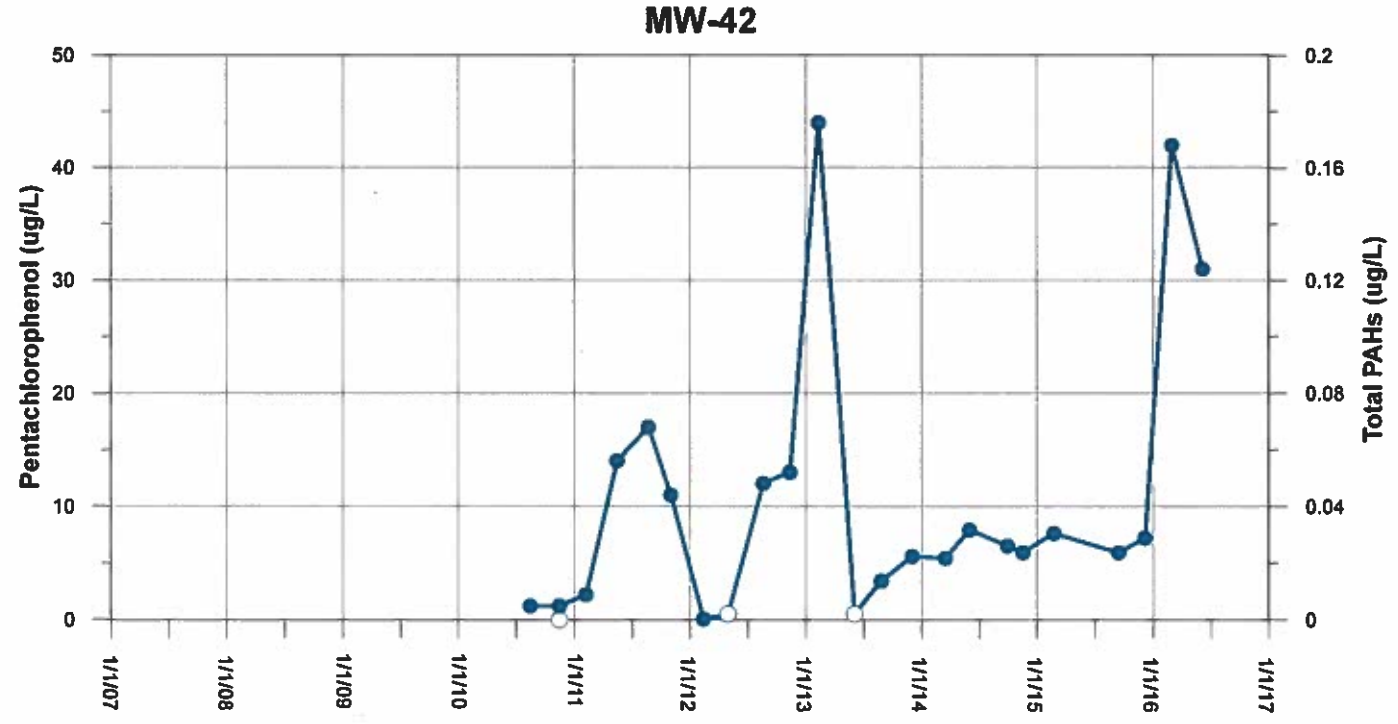
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

Notes:
ug/L = microgram per liter

FIGURE C-14
Pentachlorophenol Groundwater Concentrations in MW-39 and MW-40
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

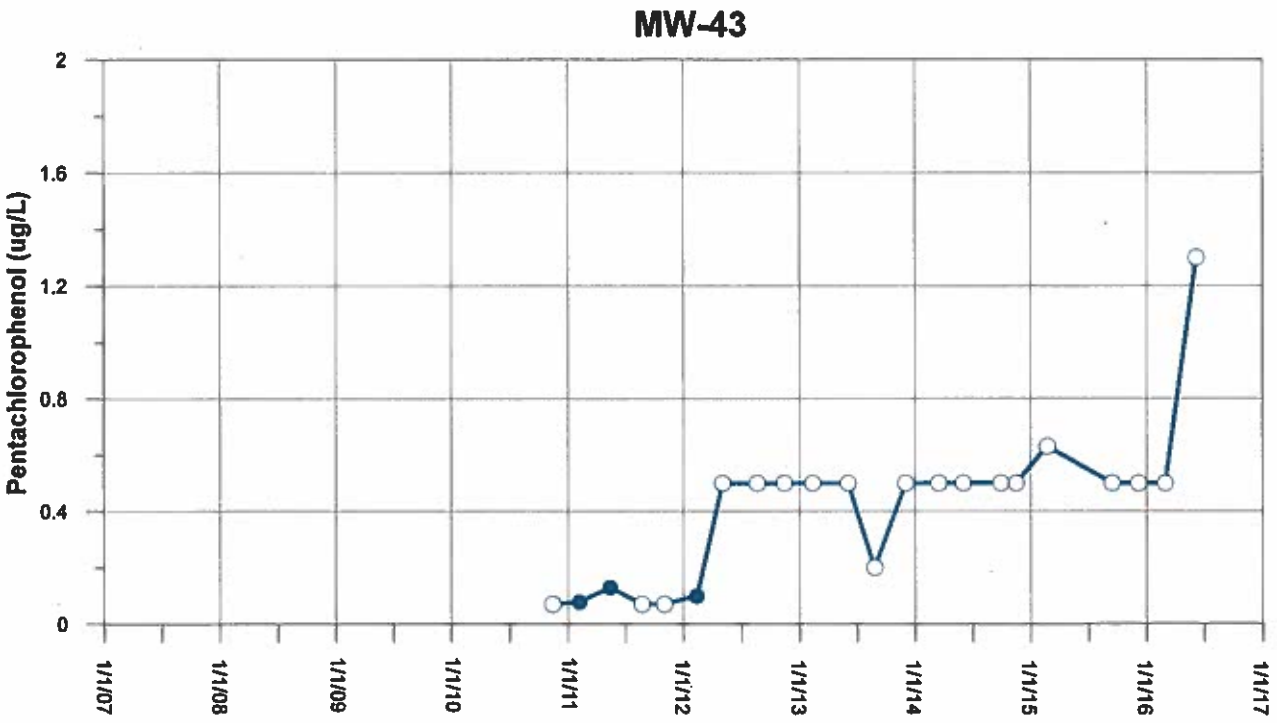
FIGURE C-15

Pentachlorophenol and Total PAHs Groundwater Concentrations in MW-41 and MW-42

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

GSI Water Solutions, Inc.



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

FIGURE C-16

Pentachlorophenol Groundwater Concentrations in MW-43

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

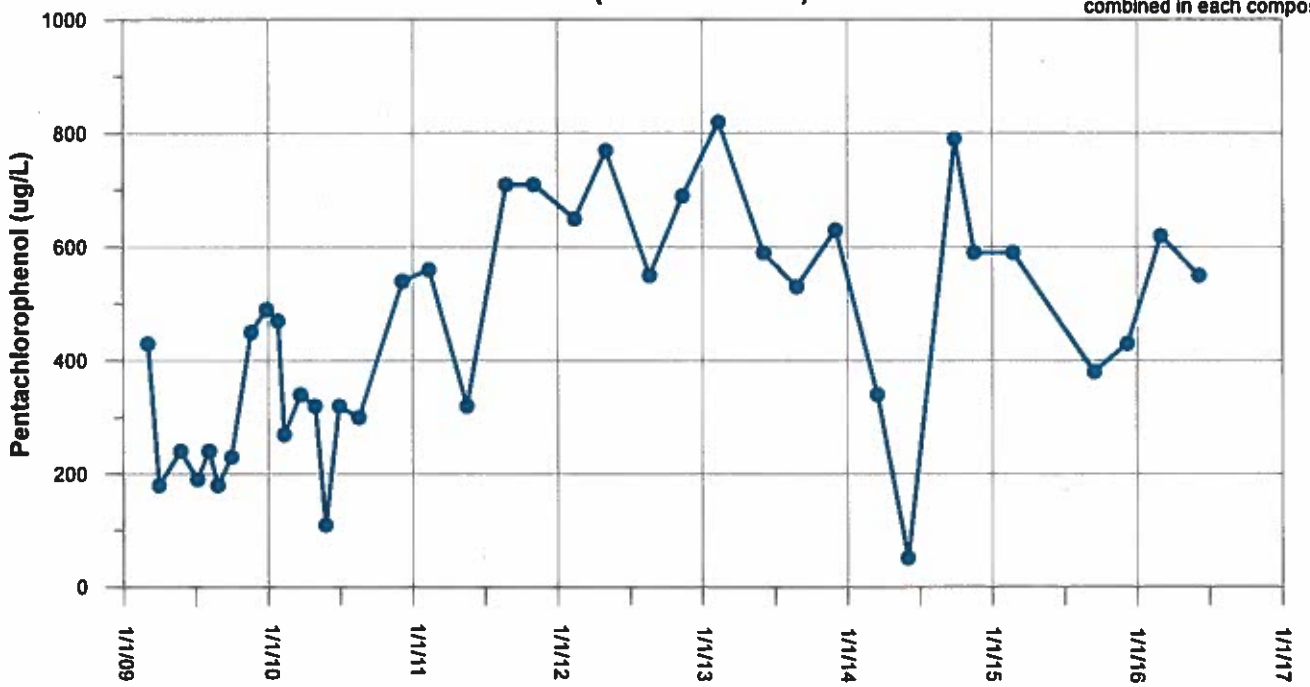
GSI Water Solutions, Inc.

Notes:

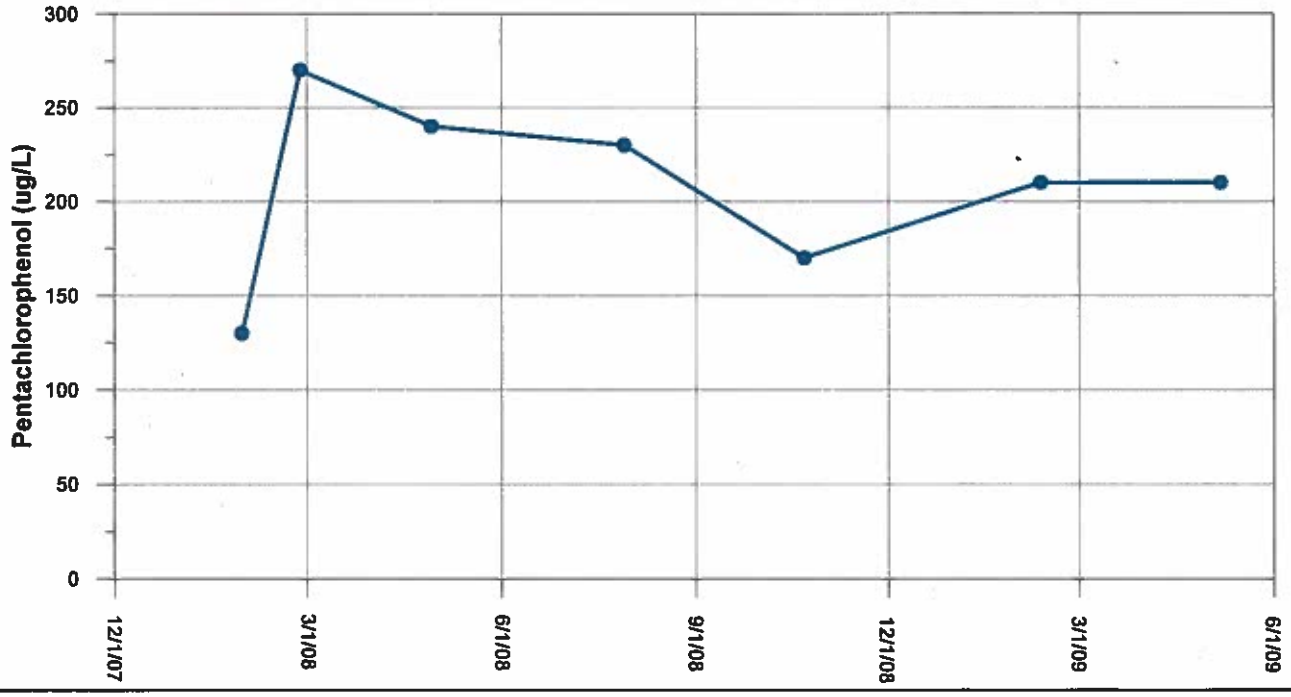
ug/L = microgram per liter

Extraction Well Composites
EPA Method 8270D and 8151M
(2009 - current)

See Table 4C for extraction wells combined in each composite sample.



Extraction Well Composites (EW-1 through EW-7)
EPA Method 8151
(2008 - 2009)



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

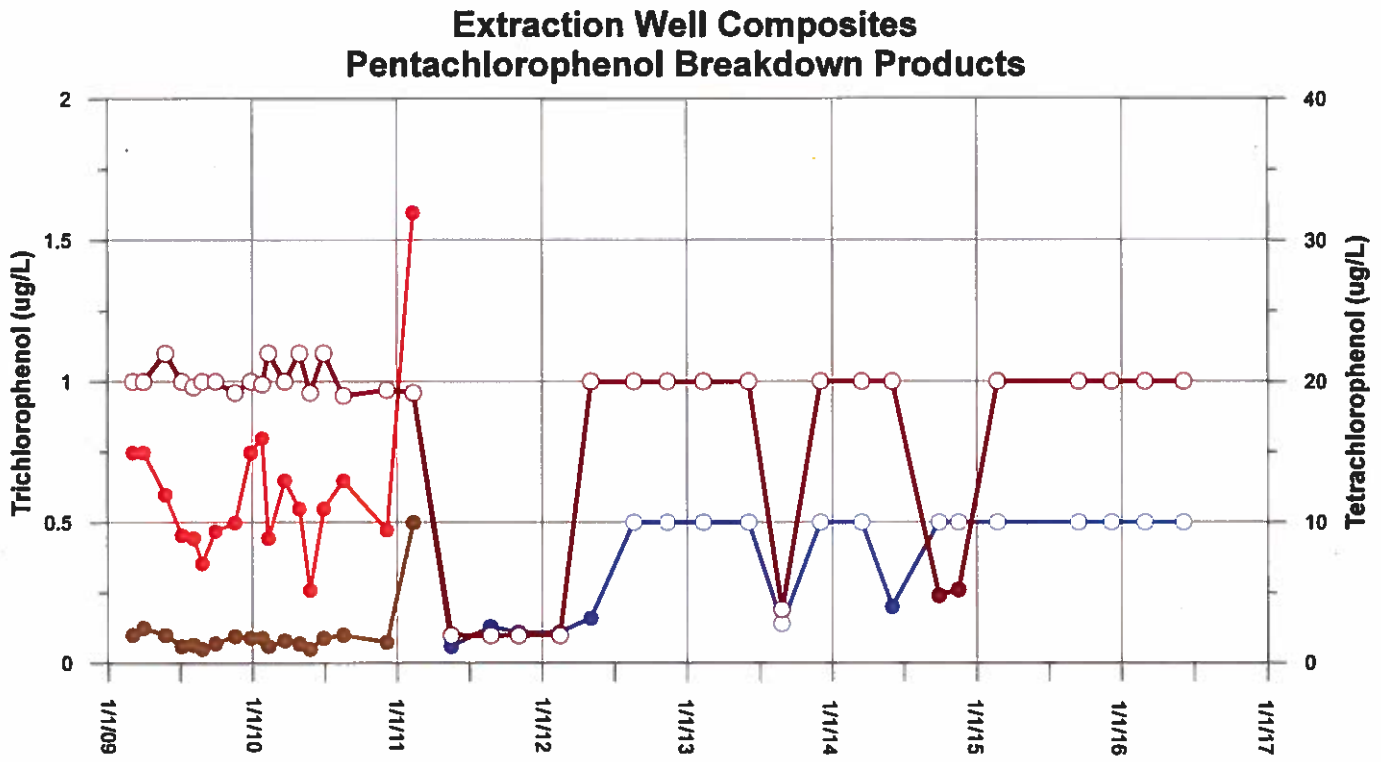
FIGURE C-17

Pentachlorophenol Groundwater Concentrations in Extraction Well Composite Samples by EPA Method 8270D and 8151

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

GSI Water Solutions, Inc.

Notes:
ug/L = microgram per liter



Legend:

- 2,4,5-Trichlorophenol Detected Values
- 2,4,5-Trichlorophenol Non-Detected Values
- 2,4,6-Trichlorophenol Detected Values
- 2,4,6-Trichlorophenol Non-Detected Values
- 2,3,4,6-Tetrachlorophenol Detected Values
- 2,3,5,6-Tetrachlorophenol Detected Values

FIGURE C-18

Pentachlorophenol Breakdown Products Groundwater Concentrations in Extraction Well Composite Samples

Former J.H. Baxter Wood Treating Facility

Arlington, Washington

Notes:

ug/L = microgram per liter

Analyzed by EPA Method 8270D and 8151M

See Table 4C for extraction wells combined in each composite sample

GSI Water Solutions, Inc.

Appendix D

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info@gsiws.com www.gsiws.com

Laboratory Data Validation Memorandum

Site Investigation - Supplemental Groundwater Sampling and Remedial Action

First Quarter 2016 - Pilot Study Performance Monitoring

Former J.H. Baxter & Co. Wood Treating Facility

Arlington, Washington

Prepared for:

J.H. Baxter & Co.
85 N. Baxter Road
P.O. Box 10797
Eugene, OR 97440

Prepared by:

GSI Water Solutions, Inc.
55 SW Yamhill Street, Suite 300
Portland, OR 97204

March 2016

Acronyms

%D	percent difference
%drift	percent drift
µg/L	microgram per liter
ALS	ALS Environmental
CCV	continuing calibration verification
CLP	Contract Laboratory Program
COC	chain of custody
EPA	U.S. Environmental Protection Agency
GC/MS	gas chromatography/mass spectrometry - gas chromatographer/mass spectrometer
GSI	GSI Water Solutions, Inc.
ICAL	initial calibration
ICV	initial calibration verification
IS	internal standards
ID	identification
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
MDL	method detection limit
MS	matrix spike
MSD	matrix spike duplicate
PAH	polycyclic aromatic hydrocarbon
PCP	pentachlorophenol
QC	quality control
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RSD	relative standard deviation
SADMP	Sampling and Analysis and Data Management Plan
SIM	selective ion monitoring

1 Introduction

GSI Water Solutions Inc. (GSI), performed a data validation of the analytical laboratory activities conducted for groundwater samples collected at the former J.H. Baxter & Co. Arlington, Washington, wood-treating facility (the facility) in the first quarter 2016. Thirty-three groundwater samples (including two duplicates), a composite extraction well sample, and one field blank rinsate sample were collected on February 28th and 29th, as part of the facility's *Remedial Action Pilot Study Performance Monitoring Plan* (Baxter, 2007). The samples were submitted to ALS Environmental (ALS) located in Kelso, Washington, where they were analyzed for pentachlorophenol (PCP) and/or breakdown products by Modified U.S. Environmental Protection Agency (EPA) Method 8151A and, in select samples, for polycyclic aromatic hydrocarbons (PAH) by EPA Method 8270-selective ion monitoring (SIM). Table D-1 provides a list of the field and laboratory sample identifications (ID), sample collection dates, and individual sample analyses conducted for the samples reviewed in this memorandum.

2 Data Validation Methodology

In agreement with Appendix B (Sampling and Analysis Data Management Plan [SADMP], Revision 2) of the Site Investigation Work Plan, this data validation memorandum was prepared in general accordance with the following documents:

- Baxter. 2002. Sampling and Analysis and Data Management Plan for the Site Investigation Work Plan J.H. Baxter Arlington Facility (SADMP).
- EPA. 1999. USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review, EPA-540-R-99-008. October 1999.
- EPA. 2002. Guidance on Environmental Data Verification and Data Validation. US EPA QA/G-8. November 2002.
- EPA. 2014. EPA CLP National Functional Guidelines for Superfund Organic Methods Data Review, EPA-540-R-014-002. August 2014.

The EPA CLP guidelines have been modified for this data review where they differ from method-specific quality control (QC) requirements. In general, the data validation review outline provided in Section D2 of the SADMP was followed, and laboratory analytical reports and supporting documentation were reviewed to assess the following elements:

- Data package and electronic data deliverable completeness
- Chain-of-custody (COC) – completeness and continuous custody
- Proper sample preservation and holding times achieved
- Instrument tuning, calibration, and performance criteria achieved
- Field and laboratory blanks conducted at proper frequency and free of contamination
- Field and laboratory duplicates, matrix spikes (MS)/matrix spike duplicates (MSD), and laboratory control samples (LCS)/laboratory control sample duplicates (LCSD) analyzed at proper frequency and control limits achieved

1 Introduction

GSI Water Solutions Inc. (GSI), performed a data validation of the analytical laboratory activities conducted for groundwater samples collected at the former J.H. Baxter & Co. Arlington, Washington, wood-treating facility (the facility) in the first quarter 2016. Thirty-three groundwater samples (including two duplicates), a composite extraction well sample, and one field blank rinsate sample were collected on February 28th and 29th, as part of the facility's *Remedial Action Pilot Study Performance Monitoring Plan* (Baxter, 2007). The samples were submitted to ALS Environmental (ALS) located in Kelso, Washington, where they were analyzed for pentachlorophenol (PCP) and/or breakdown products by Modified U.S. Environmental Protection Agency (EPA) Method 8151A and, in select samples, for polycyclic aromatic hydrocarbons (PAH) by EPA Method 8270-selective ion monitoring (SIM). Table D-1 provides a list of the field and laboratory sample identifications (ID), sample collection dates, and individual sample analyses conducted for the samples reviewed in this memorandum.

2 Data Validation Methodology

In agreement with Appendix B (Sampling and Analysis Data Management Plan [SADMP], Revision 2) of the Site Investigation Work Plan, this data validation memorandum was prepared in general accordance with the following documents:

- Baxter. 2002. Sampling and Analysis and Data Management Plan for the Site Investigation Work Plan J.H. Baxter Arlington Facility (SADMP).
- EPA. 1999. USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review, EPA-540-R-99-008. October 1999.
- EPA. 2002. Guidance on Environmental Data Verification and Data Validation. US EPA QA/G-8. November 2002.
- EPA. 2014. EPA CLP National Functional Guidelines for Superfund Organic Methods Data Review, EPA-540-R-014-002. August 2014.

The EPA CLP guidelines have been modified for this data review where they differ from method-specific quality control (QC) requirements. In general, the data validation review outline provided in Section D2 of the SADMP was followed, and laboratory analytical reports and supporting documentation were reviewed to assess the following elements:

- Data package and electronic data deliverable completeness
- Chain-of-custody (COC) – completeness and continuous custody
- Proper sample preservation and holding times achieved
- Instrument tuning, calibration, and performance criteria achieved
- Field and laboratory blanks conducted at proper frequency and free of contamination
- Field and laboratory duplicates, matrix spikes (MS)/matrix spike duplicates (MSD), and laboratory control samples (LCS)/laboratory control sample duplicates (LCSD) analyzed at proper frequency and control limits achieved

- Surrogate compound and internal standard analyses performed and recoveries within accuracy control limits
- Required detection limits achieved

Although this data validation memorandum includes a review of the QC results provided in laboratory analytical reports and reported on QC summary forms, it does not include a review of the raw analytical data to confirm reported concentrations and analyte identification.

3 Qualifiers and Reason Codes Applied During Validation

Qualifier flags may be applied to data during the validation process if it is determined that certain QC elements have not been achieved.

3.1 Qualifiers

Data qualifiers and definitions are consistent with the EPA CLP *National Functional Guidelines for Superfund Organic Methods Data Review* and previous data validation memoranda. Specifically, the qualifiers that may be applied during this validation process are as follows:

J — The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ — The result is an estimated quantity, but the result may be biased high.

J- — The result is an estimated quantity, but the result may be biased low.

N — The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.

NJ — The analysis indicates the presence of an analyte that has been "tentatively identified" or "presumptively" as present, and the associated numerical value is the estimated concentration in the sample.

R — The sample result is rejected because of serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

U — The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ — The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may be inaccurate or imprecise.

3.2 Reason Codes

Reason codes are applied with qualifiers to identify the data validator's justification for assigning a particular qualifier flag. The following reason codes are consistent with laboratory data qualifiers and previous data validation review memoranda.

DL The analyte was detected at a concentration greater than the method detection limit (MDL), but lower than the reporting limit (RL).

LC Low continuing calibration verification (CCV) recovery. Analytical result may be biased low.

HC High CCV recovery. Analytical result may be biased high.

HT The sample holding time (extraction or analysis) was exceeded.

MB The analyte was detected in the sample and the associated laboratory/method blank. The concentration detected in the sample was less than 5 times the concentration detected in the blank.

MI Matrix interference prevented adequate resolution of the target compound at the normal limit.

RB The analyte was detected in the sample and the associated rinsate blank. The concentration detected in the sample was less than 5 times the concentration detected in the blank.

SC The relative percent difference (RPD) between results from the primary and confirmation columns is greater than 40 percent.

SR The surrogate recovery was outside of control criteria.

4 Validation of Custody, Preservation, and Completeness

Sample custody was maintained as required from sample collection to receipt at ALS. Sample custody seals were on all sample coolers and were intact at the time of receipt to the laboratory. The samples were received intact and properly preserved according to the requirements of the SADMP. Sample coolers arrived at temperatures below the EPA-recommended maximum of 6°Celcius (C), and all samples were immediately stored in a 4°C refrigerator upon receipt. The laboratory reports are complete and contain results for the samples and tests requested on the COCs.

5 Validation of Laboratory Analytical Data

All 35 samples were analyzed for PCP and/or breakdown products via EPA Method 8151A Modified, and 14 of the 35 samples were analyzed for PAHs via EPA Method 8270D-SIM.

Findings from the review of laboratory data generated during the two analytical method analyses are presented below.

5.1 Pentachlorophenol and Breakdown Products by EPA Method 8151A Modified

5.1.1 Holding Times

In accordance with the SADMP-specified holding times, samples analyzed for PCP and/or breakdown products were extracted within 7 days from the time of collection, and sample extracts were analyzed within 40 days from the time of extraction.

5.1.2 Instrument Calibration

5.1.2.1 Initial Calibration

Initial calibration (ICAL) criteria were achieved. Coefficients of determination were greater than the control criteria of 0.99, and relative standard deviations (RSD) were less than the SADMP-specified maximum of 25 percent.

5.1.2.2 Initial Calibration Verification

Initial calibration verifications (ICV) or second source calibration verification analyte recoveries associated with the PCP analysis were within the SADMP-specified limit of ±20 percent difference (%D) or percent drift (%drift) of the ICAL. The %D is used when performing average response factor model calibration and the %drift is used when calibrating using a regression fit model.

5.1.2.3 Continuing Calibration Verification

All continuing calibration verification (CCV) recoveries associated with the PCP analysis were within the control criteria limit of ±20 %D or %drift of the initial calibration.

5.1.3 Blank Analyses

5.1.3.1 Laboratory/Method Blanks

Laboratory or method blanks were analyzed at the required frequency of one per extraction batch of 20 or fewer samples. Target analytes were not detected in the method blanks. However, the MDL was elevated for pentachlorophenol in sample method blanks KWG1601732-4 and KWG1601733-4 due to the presence of non-target background components. ALS reports that the level of background components was relatively low compared to the MDL, so the effect on the results was minimal. However, the results are flagged in the laboratory report to indicate the problem. Although the MDL quantitation goal of 0.06 µg/L was not met in several samples due to the presence of non-target background analytes, MRL goals of 0.5 µg/L were met for all samples where pentachlorophenol was not detected. The sample data are not qualified further.

5.1.3.2 Field Rinsate Blanks

Pentachlorophenol was detected in the field rinsate blank. However, the MDL is slightly elevated due to the presence of non-target background components. The SADMP-specified reporting limit goal of 0.5 µg/L was met and the sample data are not qualified further.

5.1.4 Surrogate Analysis

The surrogate compound, 4-bromo-2,6-dichlorophenol, was added to all field samples, blanks, and QC samples during the analysis of PCP. Recoveries of the surrogate compound were within the SADMP-specified and laboratory-specified control limits.

5.1.5 Laboratory Control Sample Analyses

ALS reported LC samples at the required frequency of one per extraction batch of 20 or fewer samples. Recovery percentages were within control limits.

5.1.6 Matrix Spike/Matrix Spike Duplicate Analyses

MS and MSD samples were processed from samples EW 1,2,4 Composite, MW-36, and BXS-5. Recovery percentages and RPD values for 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, and Total Tetrachlorophenols in MS/MSD samples from EW 1,2,4 Composite were within SADMP-specified and laboratory-specified control limits. Recovery percentages and RPD values outside of acceptance criteria were as follows:

- In all three MS/MSD sample pairs, recoveries for PCP were outside of laboratory-specified and/or SADMP-specified criteria. ALS reports that the recoveries for PCP in all three samples were not applicable because the analyte concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery. No further corrective actions were taken to qualify the data.

5.1.7 Field Duplicate Sample Analyses

Field duplicate pairs, MW-24/MW-44 and BXS-1/BXS-5, were processed during the analysis for PCP. Concentrations of PCP detected in the field duplicate pairs are summarized in Table D-2. The RPD between the primary and duplicate sample were within the SADMP-specified control limit of 35 percent or less for both duplicate pairs.

5.1.8 Laboratory Reporting Limits

Reporting limit requirements were met for undiluted samples. ALS reports that several samples required dilution due to the presence of elevated levels of target analyte. The reporting limits were adjusted to reflect the dilution in the following samples:

- The RLs were adjusted in samples MW-22, MW-23, MW-24, MW-25, MW-32, MW-36 MW-39, MW-40, MW-41, MW-44, EW 1,2,4 Composite, BXS-1, and BXS-5 due to elevated levels of target analyte. PCP was detected in all of these samples well above the reporting limit and the data are not further qualified.

5.1.9 Confirmation Results

Analytical results were collected from a primary and confirmation column during the analysis of PCP and associated breakdown products by EPA Method 8151A Modified. The RPDs between analytical results from the primary and confirmation columns were less than the laboratory-specified 40 percent limit, for all target analytes.

5.1.10 Data Reporting and Additional Analytical Method Qualifications

ALS assigned "J" qualifier flags to detected results falling between the MDL and RL. GSI agrees that these results should be qualified as estimated values given their detection below RLs.

ALS reports that the detection limit was elevated for PCP in a few field samples due to the presence of non-target background components. The matrix interference prevented adequate resolution of PCP at the normal limit. Although the MDL goal of 0.06 µg/L for PCP was not met in several samples, MRL goals of 0.5 µg/L were met for all samples where PCP was not detected. The sample data are not qualified further.

5.2 Polycyclic Aromatic Hydrocarbons by EPA Method 8270D-SIM

5.2.1 Holding Times

In accordance with the SADMP-specified holding times, samples analyzed for PAHs were extracted within 7 days from the time of collection, and sample extracts were analyzed within 40 days from the time of extraction.

5.2.2 Instrument Tuning and Mass Calibration

The compound decafluorotriphenylphosphine was used to tune the GC/MS before the ICAL and for each 12-hour analytical shift. ALS reports that all relative abundance criteria passed method-specified limits.

5.2.3 Initial Calibration

The average relative response factors (RRF) were greater than the SADMP-specified minimum of 0.1, and RSDs were less than the SADMP-specified (< 25 percent) or laboratory-specified (< 20 percent) control limits.

5.2.4 Initial Calibration Verification

The ICV analyte recoveries associated with the analysis of PAHs were within the SADMP-specified limits of ±20 %D of the ICAL.

5.2.5 Continuing Calibration Verification

The CCV recoveries associated with the analysis of PAHs were within control criteria limits of ±20 %D of the ICAL.

5.2.6 Blank Analyses

5.2.6.1 Laboratory/Method Blanks

A method blank was analyzed at the required frequency of 1 per extraction batch of 20 or fewer samples. The method blank was free of target analytes.

5.2.6.2 Field Rinsate Blanks

The following PAH analytes were detected within the field rinsate blank:

- Naphthalene was detected at a concentration of 0.014 µg/L in the field rinsate blank between the MDL and RL. For associated field samples with detections of naphthalene less than 5 times the field rinsate blank concentration, sample detections were flagged (U-RB) to indicate that the concentration could not be distinguished from potential contamination associated with the sample collection process. This qualifier was applied to samples MW-3, MW-18, MW-30, MW-36, BXS-1, and BXS-5. In accordance with EPA CLP *National Functional Guidelines for Superfund Organic Methods Data Review,* for any analytes detected in method blanks below RLs, associated sample results that are below RLs should be reported at the RL. Any associated sample result above the RL, but less than 5 times the field blank concentration, is reported as is, but qualified as a non-detect value.
- 2-Methylnaphthalene was detected at a concentration of 0.0041 µg/L in the field rinsate blank between the MDL and RL. For associated field samples with detections of 2-methylnaphthalene less than 5 times the field rinsate blank concentration, sample detections were qualified as non-detects (U-RB) following the procedure described above. This qualifier was applied to 2-methylnaphthalene detections in samples BXS-1 and BXS-5.

5.2.7 Surrogate Analysis

Surrogate compounds flourene-d_{10}, fluoranthene-d_{10}, and terphenyl-d_{14} were added to all field samples, blanks, and QC samples during the analysis of PAHs. Surrogate recoveries were within the SADMP-specified and laboratory-specified control limits.

5.2.8 Internal Standard Evaluation

Internal standards (IS) were added to all samples, blanks, and QC samples as required. All IS recoveries were within the SADMP-specified 50 to 100 percent limits.

5.2.9 Laboratory Control Sample Analyses

ALS processed and analyzed LCS/LCSDs at the required frequency of 1 per extraction batch of 20 or fewer samples. LCS/LCSD recoveries and RPD values were within SADMP-specified criteria and/or laboratory control limits for analytes not listed in the SADMP.

5.2.10 Matrix Spike/Matrix Spike Duplicate Analyses

MS/MSDs were not processed during the analysis of PAH samples from this project. The laboratory provided LCS and LCSD data to demonstrate acceptable analytical precision and accuracy.

5.2.11 Field Duplicate Sample Analyses

Field duplicate pairs, BXS-1/BXS-5, were processed during the analysis of PAHs. Although some analytes were detected between the MDL and RL, all detections were either less than 5 times the concentration detected in the field rinsate blank or the difference between the sample results for specific analytes was less than the associated reporting limit. These results are noted in footnote 1 of Table D-2.

5.2.12 Laboratory Reporting Limits

All reporting limit goals were met during the analysis of PAHs.

5.2.13 Data Reporting and Additional Analytical Method Qualifications

ALS assigned "J" qualifier flags to detected results falling between the MDL and RL. GSI agrees that these results should be qualified as estimated values because of their detection below RLs. However, in instances where these detections were less than five times that of a detection within the associated field blank, GSI changed the qualifier to a "U" flag as noted in Section 5.2.6.

6 Overall Assessment of Data Usability

The data are fully usable with the addition of the qualifiers specified in Sections 5.1 and 5.2. Qualifiers added or modified during data validation are summarized in Table D-3.

No data were rejected during the validation of analytical data. This achieves the SADMP-specified completeness goal of 95 percent usable data.

7 References

Baxter. 2002. Sampling and Analysis and Data Management Plan for the Site Investigation Work Plan J.H. Baxter Arlington Facility, Revision 2. Prepared by the J.H. Baxter Project Team for EPA Region 10. May 15, 2002.

Baxter. 2007. Remedial Action Pilot Study Performance Monitoring Plan. Prepared by the J.H. Baxter Project Team for EPA Region 10. September 2007.

EPA. 1996. Method 8151A, Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzylation Derivitization, Revision 1. December 1996.

EPA. 1999. USEPA CLP National Functional Guidelines for Organic Data Review, EPA-540-R-99-008. October 1999.

EPA. 2001. Region 9 Superfund Data Evaluation/Validation Guidance, Version 1, R9QA/006.1, December 2001.

EPA. 2002. Guidance on Environmental Data Verification and Data Validation. US EPA QA/G-8. November 2002.

EPA. 2007. Method 8270D, Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Revision 4. February 2007.

EPA. 2014. EPA CLP National Functional Guidelines for Superfund Organic Methods Data Review, EPA-540-R-014-002. August 2014.

Table D-1. Field Samples Submitted with Corresponding Laboratory Identifications
J.H. Baxter & Co.
Arlington, Washington

Field Sample ID	Sample Date	ALS Sample ID	Notes
BXS-1	2/29/2016	K1602117-001	
BXS-2	2/29/2016	K1602117-002	
BXS-5	2/29/2016	K1602117-003	Field duplicate for BXS-1, MS/MSD
HCMW-7	2/29/2016	K1602113-001	PCP only
MW-2	2/28/2016	K1602113-006	
MW-3	2/28/2016	K1602116-009	
MW-15	2/29/2016	K1602113-002	
MW-16	2/29/2016	K1602113-003	
MW-17	2/29/2016	K1602113-004	
MW-18	2/29/2016	K1602113-005	
MW-22	2/28/2016	K1602113-007	PCP only
MW-23	2/28/2016	K1602113-008	PCP only
MW-24	2/28/2016	K1602113-009	PCP only
MW-25	2/28/2016	K1602113-010	PCP only
MW-26	2/28/2016	K1602113-011	PCP only
MW-27	2/28/2016	K1602114-001	PCP only
MW-28	2/29/2016	K1602114-002	PCP only
MW-29	2/28/2016	K1602114-003	PCP only
MW-30	2/28/2016	K1602114-004	
MW-31	2/29/2016	K1602114-005	PCP only
MW-32	2/28/2016	K1602114-006	PCP only
MW-33	2/28/2016	K1602114-007	PCP only
MW-34	2/28/2016	K1602114-008	PCP only
MW-35	2/28/2016	K1602114-009	
MW-36	2/28/2016	K1602114-010	MS/MSD
MW-37	2/28/2016	K1602114-011	
MW-38	2/28/2016	K1602116-001	PCP only
MW-39	2/29/2016	K1602116-002	PCP only
MW-40	2/29/2016	K1602116-003	PCP only
MW-41	2/29/2016	K1602116-004	PCP only
MW-42	2/29/2016	K1602116-005	PCP only
MW-43	2/29/2016	K1602116-006	PCP only
MW-44	2/28/2016	K1602116-007	PCP only, field duplicate for MW-24
EW 1,2,4 Composite	2/29/2016	K1602115-004	Lab composite, MS/MSD
Field Blank Rinsate	2/29/2016	K1602116-008	

Notes
ALS = ALS Environmental
MS/MSD = matrix spike/matrix spike duplicate
PCP = pentachlorophenol

Table D-2. Field Duplicate Detections
J.H. Baxter & Co.
Arlington, Washington

Sample IDs	Analyte	Unit	Reporting Limit	Primary Sample	Field Duplicate	Relative Percent Difference	Notes
BXS-1 & BXS-5	Phenanthrene	µg/L	0.019	0.0095 J	0.019 U	67	1,2
BXS-1 & BXS-5	Anthracene	µg/L	0.019	0.0079 J	0.019 U	83	1,2
BXS-1 & BXS-5	Pentachlorophenol	µg/L	2.5	64	64	0	3
MW-24 & MW-44	Pentachlorophenol	µg/L	5.0	210	200	5	3

Notes

ug/L = micrograms per liter

J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit

U = Analyte was not detected above the reported sample quantification limit.

1 The difference between the detected results is less than the associated reporting limit

2 No PAH analytes besides phenanthrene and anthracene were detected above the reported sample quantification limits in samples BXS-1 & BXS-5

3 Samples required a dilution due to elevated levels of target compound

Table D-3. Qualifiers Added or Modified During Validation

J.H. Baxter & Co.

Arlington, Washington

Sample ID	Analyte	Unit	Result	Qualifier	Reason Codes
MW-3	Naphthalene	ug/L	0.019	U	RB
MW-18	Naphthalene	ug/L	0.019	U	RB
MW-30	Naphthalene	ug/L	0.020	U	RB
MW-36	Naphthalene	ug/L	0.019	U	RB
BXS-1	Naphthalene	ug/L	0.019	U	RB
BXS-1	2-Methylnaphthalene	ug/L	0.019	U	RB
BXS-5	Naphthalene	ug/L	0.019	U	RB
BXS-5	2-Methylnaphthalene	ug/L	0.019	U	RB

Notes

µg/L = micrograms per liter

Qualifier Definitions

U = Analyte was not detected above the reported sample quantification limit.

Reason Code Definitions

RB = The analyte was detected in the sample and the associated rinsate blank. The sample concentration is less than five times the concentration detected in the rinsate blank. Or the RL was elevated to the value detected in the field/method blank.

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Laboratory Data Validation Memorandum

Site Investigation - Supplemental Groundwater Sampling and Remedial Action

Second Quarter 2016 - Pilot Study Performance Monitoring

Former J.H. Baxter & Co. Wood Treating Facility

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Table D-1 Field Samples Submitted with Corresponding Laboratory Identifications
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Acronyms

%D	percent difference
%drift	percent drift
µg/L	microgram per liter
ALS	ALS Environmental
CCV	continuing calibration verification
CLP	Contract Laboratory Program
COC	chain of custody
EPA	U.S. Environmental Protection Agency
GC/MS	gas chromatography/mass spectrometry - gas chromatographer/mass spectrometer
GSI	GSI Water Solutions, Inc.
ICAL	initial calibration
ICV	initial calibration verification
IS	internal standards
ID	identification
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
MDL	method detection limit
MS	matrix spike
MSD	matrix spike duplicate
PAH	polycyclic aromatic hydrocarbon
PCP	pentachlorophenol
QC	quality control
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RSD	relative standard deviation
SADMP	Sampling and Analysis and Data Management Plan
SIM	selective ion monitoring

1 Introduction

GSI Water Solutions Inc. (GSI), performed a data validation of the analytical laboratory activities conducted for groundwater samples collected at the former J.H. Baxter & Co. Arlington, Washington, wood-treating facility (the facility) in the second quarter 2016. Thirty-three groundwater samples (including two duplicates), a composite extraction well sample, and one field blank rinsate sample were collected on June 5th and 6th, as part of the facility's *Remedial Action Pilot Study Performance Monitoring Plan* (Baxter, 2007). The samples were submitted to ALS Environmental (ALS) located in Kelso, Washington, where they were analyzed for pentachlorophenol (PCP) and/or breakdown products by Modified U.S. Environmental Protection Agency (EPA) Method 8151A and, in select samples, for polycyclic aromatic hydrocarbons (PAH) by EPA Method 8270D-selective ion monitoring (SIM). Table D-1 provides a list of the field and laboratory sample identifications (ID), sample collection dates, and individual sample analyses conducted for the samples reviewed in this memorandum.

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- Required detection limits achieved

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Qualifier flags may be applied to data during the validation process if it is determined that certain QC elements have not been achieved.

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Data qualifiers and definitions are consistent with the EPA CLP *National Functional Guidelines for Superfund Organic Methods Data Review* and previous data validation memoranda. Specifically, the qualifiers that may be applied during this validation process are as follows:

J — The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ — The result is an estimated quantity, but the result may be biased high.

J- — The result is an estimated quantity, but the result may be biased low.

N — The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.

NJ — The analysis indicates the presence of an analyte that has been "tentatively identified" or "presumptively" as present, and the associated numerical value is the estimated concentration in the sample.

R — The sample result is rejected because of serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

U — The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ — The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may be inaccurate or imprecise.

3.2 Reason Codes

Reason codes are applied with qualifiers to identify the data validator's justification for assigning a particular qualifier flag. The following reason codes are consistent with laboratory data qualifiers and previous data validation review memoranda.

DL The analyte was detected at a concentration greater than the method detection limit (MDL), but lower than the reporting limit (RL).

LC Low continuing calibration verification (CCV) recovery. Analytical result may be biased low.

HC High CCV recovery. Analytical result may be biased high.

HT The sample holding time (extraction or analysis) was exceeded.

MB The analyte was detected in the sample and the associated laboratory/method blank. The concentration detected in the sample was less than 5 times the concentration detected in the blank.

MI Matrix interference prevented adequate resolution of the target compound at the normal limit.

RB The analyte was detected in the sample and the associated rinsate blank. The concentration detected in the sample was less than 5 times the concentration detected in the blank.

SC The relative percent difference (RPD) between results from the primary and confirmation columns is greater than 40 percent.

SR The surrogate recovery was outside of control criteria.

4 Validation of Custody, Preservation, and Completeness

Sample custody was maintained as required from sample collection to receipt at ALS. Sample custody seals were on all sample coolers and were intact at the time of receipt to the laboratory. The samples were received intact and properly preserved according to the requirements of the SADMP. Sample coolers arrived at temperatures below the EPA-recommended maximum of 6°Celcius (C), and all samples were immediately stored in a 4°C refrigerator upon receipt. However, the laboratory notes that, "More ice is required during warm times of the year. Bottles measured between 6.4°C and 8.7°C (1 L Amber glass bottles) from coolers 2 and 3." The laboratory reports are complete and contain results for the samples and tests requested on the COCs.

5 Validation of Laboratory Analytical Data

All 35 samples were analyzed for PCP and/or breakdown products via EPA Method 8151A Modified, and 14 of the 35 samples were analyzed for PAHs via EPA Method 8270D-SIM. Findings from the review of laboratory data generated during the two analytical method analyses are presented below.

5.1 Pentachlorophenol and Breakdown Products by EPA Method 8151A Modified

5.1.1 Holding Times

In accordance with the SADMP-specified holding times, samples analyzed for PCP and/or breakdown products were extracted within 7 days from the time of collection, and sample extracts were analyzed within 40 days from the time of extraction.

5.1.2 Instrument Calibration

5.1.2.1 Initial Calibration

Initial calibration (ICAL) criteria were achieved. Coefficients of determination were greater than the control criteria of 0.99, and relative standard deviations (RSD) were less than the SADMP-specified maximum of 25 percent.

5.1.2.2 Initial Calibration Verification

Initial calibration verifications (ICV) or second source calibration verification analyte recoveries associated with the PCP analysis were within the SADMP-specified limit of ±20 percent difference (%D) or percent drift (%drift) of the ICAL. The %D is used when performing average response factor model calibration and the %drift is used when calibrating using a regression fit model.

5.1.2.3 Continuing Calibration Verification

Continuing calibration verification (CCV) recoveries associated with the PCP analysis were within the control criteria limit of ±20 %D or %drift of the initial calibration with four exceptions as follows:

- ALS reports that the upper criterion was exceeded for PCP on the confirmation column in CCVs 0628F018, 0629F027, and 0629F032. The results were reported from the column with an acceptable CCV within control limits. No further corrective action was required.

5.1.3 Blank Analyses

5.1.3.1 Laboratory/Method Blanks

Laboratory or method blanks were analyzed at the required frequency of one per extraction batch of 20 or fewer samples. Target analytes were not detected in the method blanks.

5.1.3.2 Field Rinsate Blanks

Pentachlorophenol was detected in the field rinsate blank at a concentration of 1.3 micrograms per liter (µg/L) above the RL. In accordance with EPA CLP *National Functional Guidelines for Superfund Organic Methods Data Review*, field samples with detections of pentachlorophenol less than 5 times the field rinsate blank concentration were flagged (U-RB) to indicate that the concentration could not be distinguished from potential contamination associated with the sample collection process. Additionally, for samples where PCP was not detected but the reporting limit was less than the concentration of PCP detected in the field rinsate blank, the reporting limit was changed to the detected value of 1.3 µg/L. This qualifier was applied to

samples BXS-2, HCMW-7, MW-2, MW-15, MW-16, MW-17, MW-18, MW-26, MW-27, MW-28, MW-29, MW-30, MW-31, MW-34, MW-35, MW-37, MW-38, and MW-43.

5.1.4 Surrogate Analysis

The surrogate compound, 4-bromo-2,6-dichlorophenol, was added to all field samples, blanks, and QC samples during the analysis of PCP. Recoveries of the surrogate compound were within the SADMP-specified and laboratory-specified control limits with a few exceptions:

- ALS reports that control criteria were not applicable for 4-bromo-2,6-dichlorophenol in several MS/DMS samples due to a required dilution which resulted in a surrogate concentration below the reporting limit. ALS reports that no further corrective action was appropriate.

5.1.5 Laboratory Control Sample Analyses

ALS reported LC samples at the required frequency of one per extraction batch of 20 or fewer samples. Recovery percentages were within control limits.

5.1.6 Matrix Spike/Matrix Spike Duplicate Analyses

MS and MSD samples were processed from samples EW 1,2,4 Composite and MW-26. Recovery percentages and RPD values for 2,4,6-Trichlorophenol and 2,4,5-Trichlorophenol in MS/MSD samples from EW 1,2,4 Composite were within SADMP-specified and laboratory-specified control limits. Similarly, recovery percentages and RPD values for PCP in MS/MSD samples from MW-26 were within laboratory control limits. Recovery percentages and RPD values outside of acceptance criteria were as follows:

- The recoveries of PCP in MS/MSD samples prepared from EW 1,2,4 were below laboratory control criteria. ALS reports that these recoveries are not applicable because the sample required a dilution such that the added spike concentration was diluted below the reporting limit. No further corrective action was required.
- The recovery of Total Tetrachlorophenols was below laboratory criteria. However the recovery was acceptable within the LC samples, and no further corrective action was taken.

5.1.7 Field Duplicate Sample Analyses

Field duplicate pairs, MW-33/MW-44 and BXS-1/BXS-5, were processed during the analysis for PCP. Concentrations of PCP detected in the field duplicate pairs are summarized in Table D-2. The RPD between the primary and duplicate sample were within the SADMP-specified control limit of 35 percent or less for both duplicate pairs.

5.1.8 Laboratory Reporting Limits

Due to contamination detected in the field rinsate blank, reporting limits were raised to the detected concentration of PCP in the rinsate blank (1.3 ug/L). Additionally, ALS reports that several samples required dilution due to the presence of elevated levels of target analyte. The reporting limits were adjusted to reflect the dilution in the following samples:

- The RLs were adjusted in samples MW-22, MW-23, MW-24, MW-25, MW-32, MW-40, MW-41, EW 1,2,4 Composite, BXS-1, and BXS-5 due to elevated levels of target

analyte. PCP was detected in all of these samples well above the reporting limit and the data are not further qualified.

5.1.9 Confirmation Results

Analytical results were collected from a primary and confirmation column during the analysis of PCP and associated breakdown products by EPA Method 8151A Modified. The RPDs between analytical results from the primary and confirmation columns were less than the laboratory-specified 40 percent limit, for all target analytes.

5.1.10 Data Reporting and Additional Analytical Method Qualifications

ALS assigned "J" qualifier flags to detected results falling between the MDL and RL. These detections were less than 5 times the concentration detected in the field rinsate blank, and subsequently reported as non-detects (U-RB). Associated RLs were raised to the concentration of 1.3 ug/L PCP detected in the field rinsate blank.

5.2 Polycyclic Aromatic Hydrocarbons by EPA Method 8270D-SIM

5.2.1 Holding Times

In accordance with the SADMP-specified holding times, samples analyzed for PAHs were extracted within 7 days from the time of collection, and sample extracts were analyzed within 40 days from the time of extraction.

5.2.2 Instrument Tuning and Mass Calibration

The compound decafluorotriphenylphosphine was used to tune the GC/MS before the ICAL and for each 12-hour analytical shift. ALS reports that all relative abundance criteria passed method-specified limits.

5.2.3 Initial Calibration

The average relative response factors (RRF) were greater than the SADMP-specified minimum of 0.1, and RSDs were less than the SADMP-specified (< 25 percent) or laboratory-specified (< 20 percent) control limits.

5.2.4 Initial Calibration Verification

The ICV analyte recoveries associated with the analysis of PAHs were within the SADMP-specified limits of ±20 %D of the ICAL.

5.2.5 Continuing Calibration Verification

The CCV recoveries associated with the analysis of PAHs were within control criteria limits of ±20 %D of the ICAL with four exceptions:

- ALS reports that CCV values for Indeno (1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene and Terphenyl-d14 were outside of control criteria. ALS reports that the quality of the sample data was not significantly affected, and no further corrective action was required.

5.2.6 Blank Analyses

5.2.6.1 Laboratory/Method Blanks

A method blank was analyzed at the required frequency of 1 per extraction batch of 20 or fewer samples. The method blank was free of target analytes with one exception:

- Phenanthrene was detected in the method blank at a concentration of 0.0053 ug/L between the MDL and RL. This compound was also detected in the field rinsate blank at a higher concentration of 0.076 ug/L (described below). For associated field samples with detections of phenanthrene less than 5 times the concentration detected in the blank samples, sample detections were flagged (U-RB) to indicate that the concentration could not be distinguished from potential contamination associated with the sample collection process.

5.2.6.2 Field Rinsate Blanks

The following PAH analytes were detected within the field rinsate blank:

- Naphthalene was detected at a concentration of 0.049 µg/L in the field rinsate blank above the RL. In accordance with EPA CLP *National Functional Guidelines for Superfund Organic Methods Data Review*, field samples with detections of naphthalene above the RL but less than 5 times the field rinsate blank concentration were flagged (U-RB) to indicate that the concentration could not be distinguished from potential contamination associated with the sample collection process. Additionally, for samples where naphthalene was detected below the rinsate blank concentration or for samples where naphthalene was not detected but the reporting limit was less than the concentration of naphthalene detected in the field rinsate blank, the reporting limit was changed to the rinsate blank value of 0.049 µg/L and the results were flagged as non-detects (U-RB). This qualifier was applied to all samples analyzed for naphthalene.
- Acenaphthylene was detected at a concentration of 0.0048 µg/L in the field rinsate blank between the MDL and RL. For associated field samples with detections of acenaphthylene less than 5 times the field rinsate blank concentration, sample detections were qualified as non-detects (U-RB) following the procedure described above. For samples where detections of acenaphthylene were between the MDL and RL but less than 5 times the rinsate blank concentration, the RL was reported and the sample result was qualified as a non-detect (U-RB). This qualifier was applied to acenaphthylene detections in samples MW-15 and MW-36.
- Fluorene was detected at a concentration of 0.0075 µg/L in the field rinsate blank between the MDL and RL. For associated field samples with detections of fluorene less than 5 times the field rinsate blank concentration, sample detections were qualified as non-detects (U-RB) following the procedures described above. For samples where detections of fluorene were between the MDL and RL but less than 5 times the rinsate blank concentration, the RL was reported and the sample result was qualified as a non-detect (U-RB). This qualifier was applied to fluorene detections in samples BXS-2, MW-30, MW-36,
- Phenanthrene was detected at a concentration of 0.076 µg/L in the field rinsate blank above the RL. Field samples with detections of phenanthrene above the RL but less than

5 times the field rinsate blank concentration were flagged (U-RB) to indicate that the concentration could not be distinguished from potential contamination associated with the sample collection process. Additionally, for samples where phenanthrene was detected below the rinsate blank concentration or for samples where phenanthrene was not detected but the reporting limit was less than the concentration of phenanthrene detected in the field rinsate blank, the reporting limit was changed to the rinsate blank value of 0.076 µg/L and the results were flagged as non-detects (U-RB). This qualifier was applied to all samples analyzed for phenanthrene.

- Anthracene was detected at a concentration of 0.048 µg/L in the field rinsate blank above the RL. Field samples with detections of anthracene above the RL but less than 5 times the field rinsate blank concentration were flagged (U-RB) to indicate that the concentration could not be distinguished from potential contamination associated with the sample collection process. Additionally, for samples where anthracene was detected below the rinsate blank concentration or for samples where anthracene was not detected but the reporting limit was less than the concentration of anthracene detected in the field rinsate blank, the reporting limit was changed to the rinsate blank value of 0.076 µg/L and the results were flagged as non-detects (U-RB). This qualifier was applied to all samples analyzed for anthracene.

5.2.7 Surrogate Analysis

Surrogate compounds flourene-d_{10}, fluoranthene-d_{10}, and terphenyl-d_{14} were added to all field samples, blanks, and QC samples during the analysis of PAHs. Surrogate recoveries were within the SADMP-specified and laboratory-specified control limits.

5.2.8 Internal Standard Evaluation

Internal standards (IS) were added to all samples, blanks, and QC samples as required. All IS recoveries were within the SADMP-specified 50 to 100 percent limits.

5.2.9 Laboratory Control Sample Analyses

ALS processed and analyzed LCS/LCSDs at the required frequency of 1 per extraction batch of 20 or fewer samples. LCS/LCSD recoveries and RPD values were within SADMP-specified criteria and/or laboratory control limits for analytes not listed in the SADMP.

5.2.10 Matrix Spike/Matrix Spike Duplicate Analyses

MS/MSDs were processed during the analysis of PAH samples at the required frequency of 1 per extraction batch of 20 or fewer samples. MS/MSD recoveries and RPD values were within SADMP-specified criteria and/or laboratory control limits for analytes not listed in the SADMP.

5.2.11 Field Duplicate Sample Analyses

Field duplicate pairs, BXS-1/BXS-5, were processed during the analysis of PAHs. Although some analytes were detected between the MDL and RL, all detections were either less than 5 times the concentration detected in the field rinsate blank or the difference between the sample results for specific analytes was less than the associated reporting limit. These results are noted in footnote 1 of Table D-2.

5.2.12 Laboratory Reporting Limits

All reporting limit goals were met during the analysis of PAHs except where contamination in the field rinsate blank prevented adequate resolution at the target RL. Additionally, ALS reports that the detection limit for acenaphthene in the field rinsate blank was elevated due to the presence of non-target background components. The result was flagged to indicate the interferences.

5.2.13 Data Reporting and Additional Analytical Method Qualifications

ALS assigned "J" qualifier flags to detected results falling between the MDL and RL. GSI agrees that these results should be qualified as estimated values because of their detection below RLs. However, in instances where these detections were less than five times that of a detection within the associated field blank, GSI changed the qualifier to a "U" flag as noted in Section 5.2.6.

6 Overall Assessment of Data Usability

The data are fully usable with the addition of the qualifiers specified in Sections 5.1 and 5.2. Qualifiers added or modified during data validation are summarized in Table D-3.

No data were rejected during the validation of analytical data. This achieves the SADMP-specified completeness goal of 95 percent usable data.

7 References

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EPA. 2001. Region 9 Superfund Data Evaluation/Validation Guidance, Version 1, R9QA/006.1, December 2001.

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EPA. 2007. Method 8270D, Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Revision 4. February 2007.

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Table D-1. Field Samples Submitted with Corresponding Laboratory Identifications
J.H. Baxter & Co.
Arlington, Washington

Field Sample ID	Sample Date	ALS Sample ID	Notes
BXS-1	6/6/2016	K1606164-001	
BXS-2	6/6/2016	K1606164-002	
BXS-5	6/6/2016	K1606164-003	Field duplicate for BXS-1
HCMW-7	6/6/2016	K1606161-010	PCP only
MW-2	6/5/2016	K1606161-015	
MW-3	6/5/2016	K1606161-009	
MW-15	6/6/2016	K1606161-011	
MW-16	6/5/2016	K1606161-012	
MW-17	6/5/2016	K1606161-013	
MW-18	6/6/2016	K1606161-014	
MW-22	6/6/2016	K1606161-016	PCP only
MW-23	6/5/2016	K1606161-017	PCP only
MW-24	6/5/2016	K1606161-018	PCP only
MW-25	6/5/2016	K1606161-019	PCP only
MW-26	6/5/2016	K1606161-020	PCP only, MS/MSD
MW-27	6/5/2016	K1606161-021	PCP only
MW-28	6/6/2016	K1606161-022	PCP only
MW-29	6/5/2016	K1606161-023	PCP only
MW-30	6/6/2016	K1606161-024	
MW-31	6/5/2016	K1606161-025	PCP only
MW-32	6/5/2016	K1606161-026	PCP only
MW-33	6/5/2016	K1606161-027	PCP only
MW-34	6/5/2016	K1606161-028	PCP only
MW-35	6/5/2016	K1606161-029	
MW-36	6/6/2016	K1606161-030	
MW-37	6/6/2016	K1606161-031	
MW-38	6/5/2016	K1606161-001	PCP only
MW-39	6/6/2016	K1606161-002	PCP only
MW-40	6/6/2016	K1606161-003	PCP only
MW-41	6/6/2016	K1606161-004	PCP only
MW-42	6/6/2016	K1606161-005	PCP only
MW-43	6/6/2016	K1606161-006	PCP only
MW-44	6/5/2016	K1606161-007	PCP only, field duplicate for MW-33
EW 1,2,4 Composite	6/6/2016	K1606163-004	Lab composite, MS/MSD
Field Blank Rinsate	6/6/2016	K1606161-008	

Notes
ALS = ALS Environmental
MS/MSD = matrix spike/matrix spike duplicate
PCP = pentachlorophenol

Table D-2. Field Duplicate Detections
J.H. Baxter & Co.
Arlington, Washington

Sample IDs	Analyte	Unit	Reporting Limit	Primary Sample	Field Duplicate	Relative Percent Difference	Notes
BXS-1 & BXS-5	Naphthalene	µg/L	0.049	0.049 U	0.05 U	2	1
BXS-1 & BXS-5	2-Methylnaphthalene	µg/L	0.019	0.009 J	0.0096 J	6	
BXS-1 & BXS-5	Phenanthrene	µg/L	0.076	0.076 U	0.076 U	0	1
BXS-1 & BXS-5	Anthracene	µg/L	0.048	0.048 U	0.048 U	0	1
BXS-1 & BXS-5	Pentachlorophenol	µg/L	2.5	60	59	2	2
MW-33 & MW-44	Pentachlorophenol	µg/L	1.3	9.9	10	1	

Notes

ug/L = micrograms per liter

J = Result is an estimated concentration that is less than the method reporting limit, but greater than or equal to the method detection limit

U = Analyte was not detected above the reported sample quantification limit.

1 The difference between the detected results is less than the associated reporting limit. Detection of analyte within sample is not distinguishable from contamination present in field rinsate blank.

2 Samples required a dilution due to elevated levels of target compound

Table D-3. Qualifiers Added or Modified During Validation
J.H. Baxter & Co.
Arlington, Washington

Sample ID	Analyte	Unit	Result	Qualifier	Reason Codes
BXS-1	Naphthalene	ug/L	0.049	U	RB
BXS-1	Phenanthrene	ug/L	0.076	U	RB
BXS-1	Anthracene	ug/L	0.048	U	RB
BXS-2	Phenanthrene	ug/L	0.076	U	RB
BXS-2	Anthracene	ug/L	0.048	U	RB
BXS-2	Fluorene	ug/L	0.019	U	RB
BXS-2	Naphthalene	ug/L	0.033	U	RB
BXS-2	Pentachlorophenol	ug/L	1.3	U	RB
BXS-5	Phenanthrene	ug/L	0.076	U	RB
BXS-5	Anthracene	ug/L	0.048	U	RB
BXS-5	Naphthalene	ug/L	0.050	U	RB
HCMW-7	Pentachlorophenol	ug/L	1.3	U	RB
MW-2	Naphthalene	ug/L	0.049	U	RB
MW-2	Phenanthrene	ug/L	0.076	U	RB
MW-2	Anthracene	ug/L	0.048	U	RB
MW-2	Pentachlorophenol	ug/L	1.3	U	RB
MW-3	Naphthalene	ug/L	0.049	U	RB
MW-3	Phenanthrene	ug/L	0.076	U	RB
MW-3	Anthracene	ug/L	0.048	U	RB
MW-15	Naphthalene	ug/L	0.049	U	RB
MW-15	Phenanthrene	ug/L	0.076	U	RB
MW-15	Anthracene	ug/L	0.048	U	RB
MW-15	Acenaphthylene	ug/L	0.019	U	RB
MW-15	Pentachlorophenol	ug/L	2.9	U	RB
MW-16	Naphthalene	ug/L	0.049	U	RB
MW-16	Phenanthrene	ug/L	0.076	U	RB
MW-16	Anthracene	ug/L	0.048	U	RB
MW-16	Pentachlorophenol	ug/L	1.3	U	RB
MW-17	Naphthalene	ug/L	0.049	U	RB
MW-17	Phenanthrene	ug/L	0.076	U	RB
MW-17	Anthracene	ug/L	0.048	U	RB
MW-17	Pentachlorophenol	ug/L	1.3	U	RB
MW-18	Naphthalene	ug/L	0.049	U	RB
MW-18	Phenanthrene	ug/L	0.076	U	RB
MW-18	Anthracene	ug/L	0.048	U	RB
MW-18	Pentachlorophenol	ug/L	1.3	U	RB
MW-26	Pentachlorophenol	ug/L	1.3	U	RB
MW-27	Pentachlorophenol	ug/L	1.3	U	RB
MW-28	Pentachlorophenol	ug/L	1.3	U	RB
MW-29	Pentachlorophenol	ug/L	1.3	U	RB
MW-30	Fluorene	ug/L	0.019	U	RB
MW-30	Phenanthrene	ug/L	0.076	U	RB

Table D-3. Qualifiers Added or Modified During Validation
J.H. Baxter & Co.
Arlington, Washington

Sample ID	Analyte	Unit	Result	Qualifier	Reason Codes
MW-30	Anthracene	ug/L	0.048	U	RB
MW-30	Naphthalene	ug/L	0.049	U	RB
MW-30	Pentachlorophenol	ug/L	1.3	U	RB
MW-31	Pentachlorophenol	ug/L	1.3	U	RB
MW-34	Pentachlorophenol	ug/L	1.3	U	RB
MW-35	Naphthalene	ug/L	0.049	U	RB
MW-35	Phenanthrene	ug/L	0.076	U	RB
MW-35	Anthracene	ug/L	0.048	U	RB
MW-35	Pentachlorophenol	ug/L	1.3	U	RB
MW-36	Acenaphthylene	ug/L	0.019	U	RB
MW-36	Phenanthrene	ug/L	0.076	U	RB
MW-36	Anthracene	ug/L	0.048	U	RB
MW-36	Fluorene	ug/L	0.019	U	RB
MW-36	Naphthalene	ug/L	0.088	U	RB
MW-37	Phenanthrene	ug/L	0.076	U	RB
MW-37	Anthracene	ug/L	0.048	U	RB
MW-37	Naphthalene	ug/L	0.049	U	RB
MW-37	Pentachlorophenol	ug/L	1.5	U	RB
MW-38	Pentachlorophenol	ug/L	1.3	U	RB
MW-43	Pentachlorophenol	ug/L	1.3	U	RB

Notes

µg/L = micrograms per liter

Qualifier Definitions

U = Analyte was not detected above the reported sample quantification limit.

Reason Code Definitions

RB = The analyte was detected in the sample and the associated rinsate blank. The sample concentration is less than five times the concentration detected in the rinsate blank. Or the RL was elevated to the value detected in the field/method blank.