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Subject:
McKesson Envirosystems Site
800/801 Van Rensselaer Street[1]
Syracuse, New York
Site No. 7-34-020

ENVIRONMENT

Date:
November 7, 2016

Contact:
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Our ref:
B0026003.FY17.00190 #10

Dear Mr. Long:

Arcadis of New York, Inc. (Arcadis) prepared this Periodic Review Report (PRR) for the McKesson Envirosystems Site (the Site), located at 800/801 Van Rensselaer Street[1] in Syracuse, New York (Figure 1), on behalf of McKesson Corporation (McKesson). This PRR was prepared to fulfill the requirements set forth by Section 6.3(b) of the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10; NYSDEC 2010)[2]. Accordingly, this PRR provides the information necessary to maintain the Institutional Control/Engineering Controls Certification (IC/EC Certification; Attachment A) for the October 14, 2015 through October 14, 2016 reporting period (NYSDEC 2016a).

The NYSDEC approved the shutdown of the Operable Unit No. 2 (OU2; Saturated Soil and Groundwater) remedial systems in a letter dated April 11, 2013 (NYSDEC 2013). The letter required implementation of a post-shutdown process control monitoring program to determine the continued effectiveness of the OU2 remedial action on the remaining contamination (NYSDEC 2013). The post-shutdown process control monitoring program was a continuation of the contaminant of concern (COC) and hydraulic process control monitoring program that has been conducted at the Site since OU2 treatment activities commenced in 1998.

[1] Note that the address of the Site in the NYSDEC's Environmental Site Remediation Database is 400 Bear Street West. The legal addresses for the two parcels that make up the Site are 800 and 801 Van Rensselaer Street.
[2] See Section 5.3 of the Department-approved Site Management Plan (SMP) (Arcadis 2014c) that states that the PRR will be prepared in accordance with NYSDEC DER-10.

Following the shutdown of the remedial systems in April 2013, post-shutdown process control monitoring events were performed in July 2013, October 2013, January 2014, April 2014, October 2014, and April 2015. As the groundwater data from these monitoring events showed that groundwater quality conditions had not substantially changed since the shutdown of the in-situ bioremediation treatment and closed loop hydraulic systems and demonstrated the continued effectiveness of the OU-2 remedial action, Arcadis concluded in its letter of June 11, 2015 to the NYSDEC that there was no need to re-start the remedial systems (Arcadis 2015b). In response to the Arcadis submittal, the NYSDEC agreed in a letter dated September 16, 2015 that the OU2 remedial systems may remain shut down and be decommissioned (NYSDEC 2015c).

A summary of groundwater monitoring activities and the results obtained for this PRR reporting period are presented herein. These results demonstrate that the OU2 remedial action has continued effectiveness and therefore, the remedy continues to: (1) be protective of public health and the environment; (2) comply with the OU2 Record of Decision (ROD; NYSDEC, 1997); and (3) meet remedial process closure requirements established in Section 6.4 of DER-10 (NYSDEC 2010).

In addition, as noted above, this PRR includes the IC/EC Certification (Attachment A), as required by DER-10 and provided by the NYSDEC in a letter dated September 7, 2016 (NYSDEC 2016b). The annual Site-Wide Inspection Form, as required by the SMP (Arcadis 2014c), is also included with this PRR (Attachment B).

To fulfill the requirements set forth by the SMP (Arcadis 2014c) and Section 6.3(b) of DER-10 (NYSDEC 2010), this PRR is organized in the following sections:

- Section I - Site Background
- Section II - Remedial Treatment Program Summary
- Section III - Monitoring and Evaluation
- Section IV - Continued Effectiveness of Institutional and Engineering Controls
- Section V - Next Steps
- Section VI - Summary

SECTION I - SITE BACKGROUND

The 8.6-acre Site is divided into three areas of concern (Areas 1, 2, and 3), and consists of two parcels of land (800 and 801 Van Rensselaer Street) (Figure 1). Additionally, the Site is divided vertically into two Operable Units (OUs): OU1 – Unsaturated Soil and OU2 – Saturated Soil and Groundwater. The ROD for OU1 (OU1 ROD), signed in March 1994 (NYSDEC 1994), called for in-situ aerobic bioremediation of the unsaturated soils comprising OU1. A ROD for OU2, signed in March 1997 (NYSDEC 1997), called for anaerobic bioremediation of groundwater and saturated soil.

Deed restrictions for the Site were recorded with the Onondaga County Clerk on October 3, 2014. In 2015, the NYSDEC reclassified the Site from Class 2 to Class 4 (i.e., Inactive Hazardous Waste Disposal Site properly closed - requires continued management) (NYSDEC 2015a). Modified deed restrictions were recorded on September 28, 2016.

SECTION II - REMEDIAL TREATMENT PROGRAM SUMMARY

The OU1 bioremediation remedy implemented in 1994/1995 successfully treated an estimated 20,000 cubic yards (cy) of contaminated soil to the technology-based cleanup levels identified in the OU1 ROD. A minimum of 1 foot of clean fill material was placed over the treated soils to promote surface water runoff and limit the infiltration of rain and surface water into the remediated areas (Blasland, Bouck & Lee, Inc. [BBL] 1995). The OU-1 RD/RA Report was approved by the NYSDEC in a September 28, 1995 letter (NYSDEC 1995), and the NYSDEC stated:

> "As comments based on earlier review have been satisfactorily incorporated, I hereby find the report acceptable as the Final RD/RA Report for Operable Unit No. 1 at the subject site. Accordingly, **the remediation of Operable Unit No. 1 is considered complete**."
>
> (Emphasis supplied).

The OU2 in-situ bioremediation treatment remedy commenced in July 1998 and the initial components of the OU2 remedy are summarized below:

- An infiltration trench and a withdrawal trench were installed upgradient and downgradient, respectively, of Area 3 to introduce nutrients into the shallow hydrogeologic unit to enhance naturally occurring anaerobic biodegradation of the COCs, while maintaining hydraulic control.
- Two additional infiltration trenches were installed within Area 3 to increase the distribution of nutrients and to serve as overflow devices if the infiltration trench exceeded maximum capacity.
- Groundwater was pumped from the withdrawal trench, amended with nutrients, and distributed into the shallow hydrogeologic unit via the infiltration trenches described above.
- Two infiltration trenches were installed in both Areas 1 and 2. Nutrient-amended groundwater was periodically introduced into these trenches by manually filling standpipes screened within the filter pack of the trenches (i.e., within the shallow hydrogeologic unit).

Figure 1 shows the locations of the withdrawal trench and the infiltration trenches. The trenches in Area 3 have been designated as main infiltration trench "C", secondary infiltration trench "B", and secondary infiltration trench "A".

A process control monitoring program commenced in 1998 to monitor the effectiveness of the in-situ anaerobic bioremediation treatment systems. The process control monitoring program initially included hydraulic, biological, and COC monitoring. The biological monitoring was discontinued in 2005, after more than 6 years of monitoring microbiological analytes, indicator compounds, and permanent gases.

The data obtained during the process control monitoring program have been used to enhance the OU2 remedial program, as summarized below. The infiltration and withdrawal trenches were consistently used to create a closed loop hydraulic system and maintain hydraulic control.

- In 2004, an excavation program removed 65 cy of saturated soil near MW-8S, approximately 6 cy of saturated soil around TW-02R, and approximately 1 cy of saturated soil around MW-27. The backfill placed in these excavation areas was amended with nutrients to facilitate the anaerobic degradation of COCs in groundwater. In addition, eight well points were installed around monitoring wells MW-27,

MW-28, and MW-33 to allow for introduction of nutrient amendments to facilitate anaerobic degradation in these areas of relatively higher COC concentrations.

- In July 2006, the NYSDEC verbally approved the modification of the OU2 in-situ anaerobic bioremediation treatment program to an in-situ aerobic bioremediation treatment program as an alternate approach to lowering concentrations of semivolatile organic COCs. From August 2006 to October 2008, the in-situ aerobic bioremediation treatment program consisted of amending the groundwater in Areas 1, 2, and 3 with an oxygen source (i.e., dilute hydrogen peroxide) and macronutrients to facilitate aerobic degradation of COCs.

- In October 2008, the in-situ aerobic bioremediation treatment program was modified to provide a new and continuous source of oxygen to Areas 2 and 3 (Figures 2 and 3 present the layout); however, dilute hydrogen peroxide continued to be added to Area 1. The modifications included the following:

  - Constructing an oxygen gas infusion system in both Areas 2 and 3 via In-Situ Submerged Oxygen Curtain (iSOC©) units (installed in October 2008);

  - Installing an aerator stone in the equalization tank of the Area 3 treatment system to add oxygen gas to the groundwater before it was pumped into the infiltration trenches (installed in January 2009); and

  - Discontinuing the macronutrient amendments in Areas 1, 2, and 3.

- Beginning in October 2010, the following modifications were made to the process control monitoring program:

  - Eliminating methanol analysis in select wells/piezometers;

  - Removing select wells from the COC monitoring program;

  - Removing select deep wells/piezometers from the hydraulic monitoring program;

  - Adding MW-4S to the COC monitoring program as a downgradient sentinel well; and

  - Abandoning select wells/piezometers.

- In November 2010, 117.39 tons of saturated soil from Area 2 were removed to address concentrations of aniline in the area between TW-02RR and MW-36. The backfill placed in the excavation area was amended with Oxygen Release Compound® (ORC®) to facilitate the aerobic degradation of COCs in groundwater. In addition, a system of five standpipes was installed within the excavation area to allow for additional ORC® amendment.

- Beginning in June 2011, the in-situ aerobic bioremediation treatment program was modified to include monthly injections of ORC®-amended groundwater into the five standpipes within Area 2. Monthly ORC®-amended groundwater injections ended in December 2011.

The in-situ aerobic bioremediation treatment system (hydrogen peroxide amendments in Area 1 and oxygen infusion in Areas 2 and 3) and closed loop hydraulic system operated until April 10, 2013, at which time the NYSDEC approved the shutdown of OU2 remedial systems in a letter dated April 11, 2013

(NYSDEC 2013). The letter required the implementation of a post-shutdown process control monitoring program to determine the continued effectiveness of the OU2 remedial action on the remaining contamination (NYSDEC 2013). The post-shutdown monitoring program was a continuation of the COC and hydraulic process control monitoring program that has been conducted at the Site since OU2 treatment activities commenced in 1998.

Since the shutdown of the remedial systems, six post-shutdown process control monitoring events were conducted in accordance with the SMP (Arcadis 2014c). Post-shutdown process control monitoring events were performed over the course of 2 years in July 2013, October 2013, January 2014, April 2014, October 2014, and April 2015 following the shutdown of the remedial systems in April 2013. Descriptions of these events and the associated results were provided in the monitoring memoranda submitted to the NYSDEC following each monitoring event (Arcadis 2013b, 2014a, 2014b, 2014d, 2015a, and 2015b, respectively). The results of the last monitoring event in April 2015 were reported in the Monitoring Memorandum dated June 11, 2015 (Arcadis 2015b). In that memorandum (Arcadis 2015b), Arcadis stated that the conclusions from a review of the results of the monitoring program:

> ". . . confirm that groundwater quality conditions have not substantially changed since the shutdown of the in-situ bioremediation treatment and closed loop hydraulic systems and fully demonstrate the continued effectiveness of the OU2 remedial action. Accordingly, there is no need to restart the remedial processes. As the groundwater monitoring identified in the SMP has been completed and the goals of the post-shutdown process control monitoring program have been met, no further groundwater monitoring is needed and the OU2 remedial activities for Areas 1, 2, and 3 are considered complete."

In its September 16, 2015 letter (NYSDEC 2015c), the NYSDEC commented on its review of the Arcadis June 11, 2015 Monitoring Memorandum and concluded:

> "The Department agrees that, based upon the results of the required two (2) years of groundwater data that was obtained for the purpose of documenting that the site has met the remedial system shutdown requirements, the in-situ bioremediation treatment and closed loop hydraulic systems may remain shut down and be decommissioned."

However, the NYSDEC also stated in its September 16, 2015 (NYSDEC 2015c) letter:

> "Groundwater monitoring must continue until such time as a discontinuation of the groundwater long-term monitoring program is granted by DEC, or the site is delisted. Absent a proposed alternate sampling schedule from McKesson, the Department expects that the next sampling event will occur in July 2016."

SECTION III - MONITORING AND EVALUATION

A round of groundwater monitoring was performed in July 2016, the results of which were submitted to the NYSDEC (Arcadis 2016). This section summarizes the monitoring activities conducted, the results obtained for this PRR reporting period, and conclusions obtained from a comprehensive evaluation of the groundwater data.

Monitoring Activities

The July 2016 monitoring event was conducted using the protocols provided under the post-shutdown process control monitoring program outlined in the SMP (Arcadis 2014c). This SMP was approved by the NYSDEC as amended by the revisions stated in its letter dated July 20, 2015 and conditioned upon its letter being appended to all copies of the SMP (NYSDEC 2015b).

The July 2016 monitoring event consisted of hydraulic and COC monitoring. Additionally, the presence or absence of nonaqueous phase liquid (NAPL) was also assessed in each of the monitoring wells and piezometers included in the monitoring program, as well as the collection sump. NAPL was not observed.

A summary of the hydraulic and COC monitoring activities is presented below. Table 1 presents the monitoring schedule for each of the hydraulic and COC monitoring locations included in the monitoring program. Hydraulic and COC monitoring locations are shown on Figure 1.

Hydraulic Monitoring Activities

During hydraulic monitoring, groundwater level measurements were obtained at monitoring wells and piezometers that are screened entirely within the sand layer of the shallow hydrogeologic unit and located within and surrounding Areas 1, 2, and 3. Additionally, a groundwater level measurement was obtained within the collection sump and the Barge Canal surface-water elevation was obtained from measurements taken from a reference point on the Bear Street Bridge (which passes over the canal).

The Remedial Design/Remedial Action Report – OU2 (BBL 1999), states that:

> "The data obtained from the hydraulic process control monitoring program are used to verify that containment has been established in each of the three impacted areas; to verify that groundwater withdrawal rates in Area 3 do not cause the freshwater/ saltwater interface to upcone to the bottom of the withdrawal trench; and to optimize the system operation performance in Area 3."

COC Monitoring Activities

The groundwater COCs for the Site are acetone, benzene, toluene, ethylbenzene, xylenes (total), methanol, trichloroethene, aniline, N,N-dimethylaniline, and methylene chloride. Collected groundwater samples were analyzed for these COCs by TestAmerica Laboratories, Inc. (TestAmerica) in Edison, New Jersey using U.S. Environmental Protection Agency (USEPA) Methods 8260C (volatile organic compounds) and USEPA 8270D (semivolatile organic compounds), and in Amherst, New York using Method USEPA 8015D (methanol). TestAmerica is accredited pursuant to the New York State Department of Health Environmental Laboratory Accreditation Program for these analyses. Arcadis validated the laboratory analytical results using the Tier III full validation process.

Monitoring Evaluation

Hydraulic Monitoring Results

Table 2 presents groundwater level measurements obtained since October 2006. Historical groundwater level measurements obtained from June 1998 (prior to commencing the in-situ anaerobic bioremediation

treatment activities) through June 2006 (prior to initiating the in-situ aerobic bioremediation treatment program) are presented in Table 1 of Attachment C. Potentiometric surface maps of the Site's shallow hydrogeologic unit were generated using the July 2013, October 2013, January 2014, April 2014, October 2014, April 2015, and July 2016 data sets, and were presented in the monitoring memoranda previously submitted to the NYSDEC (Arcadis 2013b, 2014a, 2014b, 2014d, 2015a, 2015b, and 2016, respectively). Figure 4 presents the July 2016 potentiometric surface. When comparing these potentiometric surface maps, hydraulic conditions have remained consistent following the April 2013 shutdown of the closed loop hydraulic system in Area 3.

When comparing post-shutdown potentiometric surface maps to maps previously generated (and previously presented to the NYSDEC) using groundwater elevation data obtained prior to system shutdown, the following is concluded:

- The closed depression around the groundwater withdrawal trench is no longer present.
- The potentiometric surface of the shallow hydrogeologic unit sand layer following the April 2013 system shutdown is generally consistent with the potentiometric surface prior to the 1998 implementation of the closed loop hydraulic system in Area 3. There is no longer a need to perform hydraulic monitoring because with the shutdown of the remedial system, there is no longer a need to confirm that containment has been established in each of the three impacted areas, verify that groundwater withdrawal rates in Area 3 do not cause the freshwater/ saltwater interface to upcone to the bottom of the withdrawal trench, or optimize the system operation performance in Area 3.

COC Monitoring Results

In July 2016, the majority of the COCs were not detected or were detected in groundwater samples at concentrations below their respective Class GA groundwater quality standards/guidance values presented in the NYSDEC's Division of Water, Technical and Operational Guidance Series 1.1.1: Ambient Water Quality Standards and Groundwater Effluent Limitations (NYSDEC 1998). COC groundwater analytical results from April 2011 to July 2016 are summarized in Table 3 and shown on Figures 5 and 6.

COCs have not been detected in groundwater samples collected at sentinel wells MW-3S and MW-4S (located downgradient of Areas 1 and 2, respectively) since October 2012 (as shown on Table 3 and Figure 5).

COCs were not detected in groundwater samples collected at the downgradient perimeter/monitoring locations (MW-17R, MW-18, MW-23I, MW-23S, PZ-4S, and PZ-4D) since January 2014, with the exception of an anomalous detection of methanol in a groundwater sample collected at MW-17R on April 2014 (see Table 3 and Figure 6).

Refer to the monitoring memoranda for event-specific COC monitoring results and the validated analytical laboratory reports (Arcadis 2013b, 2014a, 2014b, 2014d, 2015a, 2015b, and 2016). The COC groundwater analytical results obtained prior to October 2010 are summarized in Table 2 of Attachment C and shown on Figures 1 through 4 of Attachment C.

SECTION IV - CONTINUED EFFECTIVENESS OF INSTITUTIONAL AND ENGINEERING CONTROLS

The institutional controls (ICs) for the Site are in the form of deed restrictions, which were recorded with the Onondaga County Clerk on October 3, 2014 and September 28, 2016 (modified). These restrictions require compliance with the SMP (Arcadis 2014c) and the ICs placed on the Site.

In accordance with the SMP (Arcadis 2014c), a site-wide inspection was performed on October 19, 2016 to document that the controls are being maintained and remain effective. The completed Site-Wide Inspection Form is provided in Attachment B. The results of the site-wide inspection confirm that:

- The Site is in compliance with the ICs identified in the SMP (Arcadis 2014c), including Site usage;
- The Site, including above-ground monitoring wells/piezometers, is in good condition; and
- Site documents (i.e., emergency contact list, SMP, Health and Safety Plan) are up to date.

For the engineering controls required at the Site (i.e., fencing/access control and groundwater containment), the following statements are true:

- The fencing/access engineering control employed at the Site remained in place and unchanged from the date of the last PRR (Arcadis 2015c). Nothing has occurred that would impair the ability of the fencing/access engineering control to protect public health and the environment.
- On April 10, 2013, the in-situ bioremediation treatment and closed loop hydraulic systems were discontinued at the Site and a post-shutdown process control monitoring program was implemented. The groundwater containment engineering control is not in effect when the closed loop hydraulic system is shut down.
- Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of the fencing/access engineering control.
- Attachment A contains the IC/EC Certification, as required by the SMP (Arcadis 2014c) and DER-10 (NYSDEC 2010).

SECTION V - NEXT STEPS

McKesson is assembling a petition to delist the Site and plans to submit the petition to the NYSDEC before the end of the year. Additionally, McKesson will prepare and submit a Decommissioning Plan to dismantle the remedial systems and a modified SMP.

SECTION VI - SUMMARY

One groundwater monitoring event is associated with this reporting period (October 14, 2015 through October 14, 2016). This monitoring event was conducted in July 2016. Descriptions of the monitoring event and associated results were provided in a monitoring memorandum submitted to the NYSDEC following the event (Arcadis 2016).

Hydraulic monitoring results from the post-shutdown process control monitoring events indicate that the closed depression around the groundwater withdrawal trench in Area 3 is no longer present, and that hydraulic conditions have remained consistent following the April 2013 shutdown of the closed loop hydraulic system. COC monitoring results from the post-shutdown monitoring events indicate that groundwater quality conditions are generally consistent with those prior to system shutdown.

The completed OU2 remedial action continues to: (1) be protective of public health and the environment; (2) comply with the OU2 ROD (NYSDEC 1997); and (3) meet remedial process closure requirements in Section 6.4 of DER-10 (NYSDEC 2010). Therefore, there is no need to re-start the remedial systems, and the NYSDEC identified that the systems may remain shut down and be decommissioned (NYSDEC 2015c).

The required IC/EC Certification and Site-Wide Inspection Form are provided as Attachments A and B, respectively.

The next steps are as follows: (1) McKesson plans to submit a delisting petition by December 31, 2016, (2) McKesson will submit a Decommissioning Work Plan to remove the remedial systems, and (3) McKesson will submit a modified SMP that reflects the removal and the current status of the Site.

As always, we appreciate the NYSDEC's efforts to advance this project forward. If you have any questions or require additional information, please contact me at 315.671.9229.

Sincerely,

Arcadis of New York, Inc.

Dawn E. Penniman, P.E.
Certified Project Manager I

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Mr. Richard Jones, NYSDOH
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Mr. James E. Fleer, McKesson Corporation
Mr. Douglas Morrison, Bristol-Myers Squibb Company
Mr. Christopher Young, P.G., de maximis, inc.
Mr. Barry Kogut, Esq., Bond, Schoeneck & King

Enclosures:

Tables

Table 1	Post-Shutdown Process Control Monitoring Wells and Piezometers
Table 2	Summary of Groundwater Level Measurements, October 2006 through July 2016
Table 3	Summary of Groundwater Monitoring Data, April 2011 through July 2016

Figures

Attachments

References:

Arcadis. 2013a. Periodic Review Report. McKesson Envirosystems Former Bear Street Facility. January 15.

Arcadis. 2013b. Monitoring Memorandum – July 2013 Monitoring Event. McKesson Envirosystems Former Bear Street Facility. October 18.

Arcadis. 2014a. Monitoring Memorandum – October 2013 Monitoring Event. McKesson Envirosystems Former Bear Street Facility. January 3.

Arcadis. 2014b. Monitoring Memorandum – January 2014 Monitoring Event. McKesson Envirosystems Former Bear Street Facility. April 11.

Arcadis. 2014c. Site Management Plan. McKesson Envirosystems Site. July 31.

Arcadis. 2014d. Monitoring Memorandum – April 2014 Monitoring Event. McKesson Envirosystems Former Bear Street Facility. September 10.

Arcadis. 2015a. Monitoring Memorandum – October 2014 Monitoring Event. McKesson Envirosystems Former Bear Street Facility. March 2.

Arcadis. 2015b. Monitoring Memorandum – April 2015 Monitoring Event. McKesson Envirosystems Former Bear Street Facility. June 11.

Arcadis. 2015c. Periodic Review Report. McKesson Envirosystems Former Bear Street Facility. December 18.

Arcadis. 2016. Monitoring Memorandum – July 2016 Monitoring Event. McKesson Envirosystems Former Bear Street Facility. September 26.

BBL. 1995. Remedial Design/Remedial Action Report Operable Unit No.1 – Unsaturated Soils. September.

BBL. 1999. Remedial Design/Remedial Action Report Operable Unit No. 2 – Saturated Soil and Groundwater. December.

NYSDEC. 1994. Record of Decision for McKesson Envirosystems Inactive Hazardous Waste Disposal Site, OU1. March 18.

NYSDEC. 1995. Letter from Robert W. Schick, NYSDEC to David J. Ulm, BBL RE: approval of RD/RA Report – OU1 and remediation of OU1 is complete. September 28.

NYSDEC. 1997. Record of Decision for McKesson Envirosystems Inactive Hazardous Waste Disposal Site, OU2. March 19.

NYSDEC. 1998. Technical Operational Guidance Series 1.1.1: Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June. Available at: http://www.dec.ny.gov/docs/water_pdf/togs111.pdf.

NYSDEC. 2010. DER-10: Technical Guidance for Site Investigation and Remediation. May 3. Available at: http://www.dec.ny.gov/docs/remediation_hudson_pdf/der10.pdf.

NYSDEC. 2013. Letter from Payson Long, NYSDEC, to Jean Mescher, McKesson Corporation. RE: Discontinuation of Remedial Processes. April 11.

NYSDEC. 2015a. Letter from Kelly A. Lewandowski, NYSDEC, to James E. Fleer, McKesson Corporation. RE: Reclassification of the Site. June 12.

NYSDEC. 2015b. Letter from Payson Long, NYSDEC, to James Fleer, McKesson. RE: Conditional Approval of SMP. July 20.

NYSDEC. 2015c. Letter from Payson Long, NYSDEC, to James E. Fleer, McKesson Corporation. RE: Review of Monitoring Memorandum of the April 2015 Monitoring Event. September 16.

NYSDEC. 2016. Letter from Payson Long, NYSDEC, to James E. Fleer, McKesson Corporation. RE: Site Management Periodic Review Report and IC/EC Certification Submittal. September 7.

TABLES

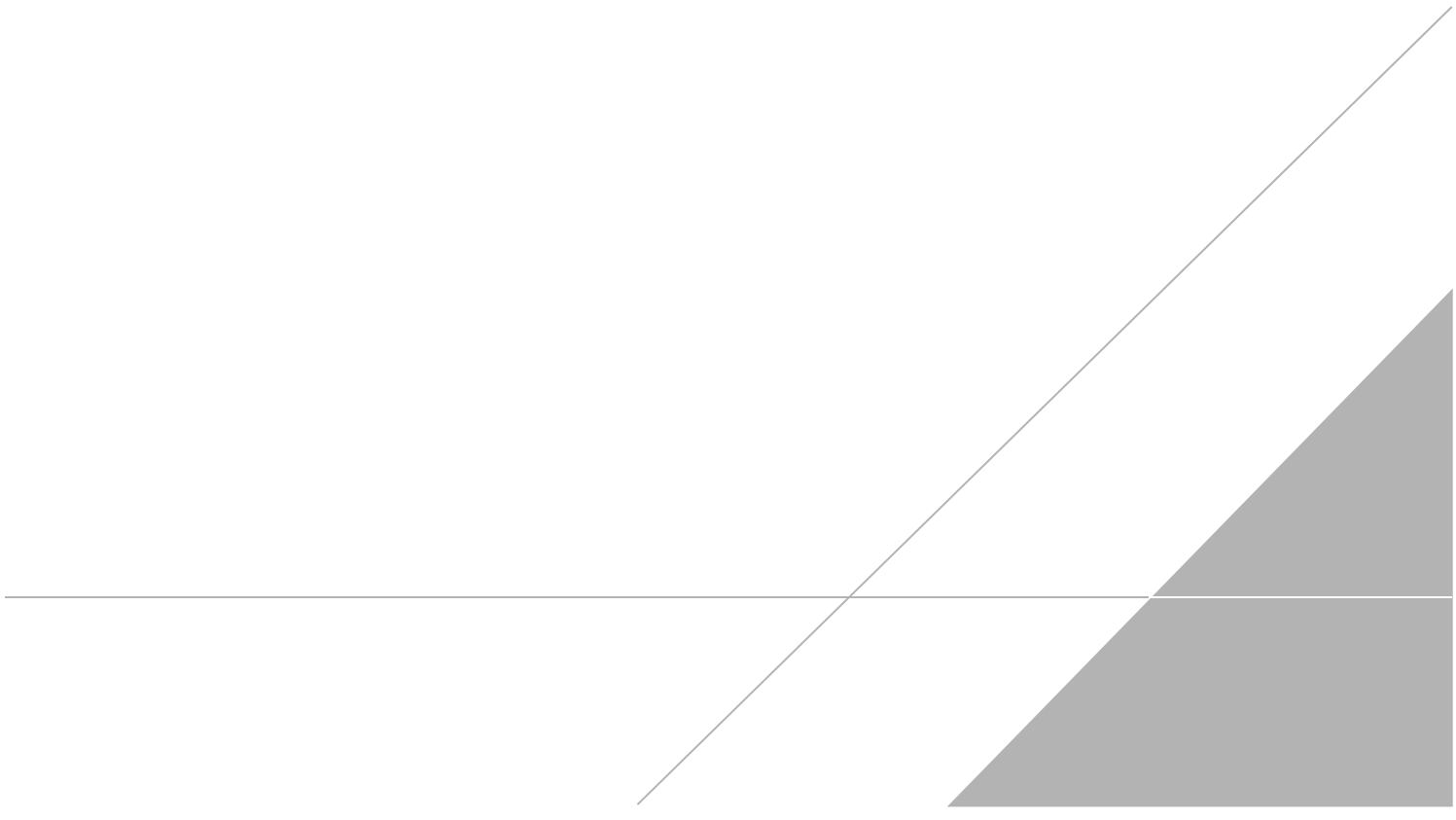

Table 1
Post-Shutdown Process Control Monitoring Wells and Piezometers

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Location	Purpose of Monitoring
Sentinel	
MW-3S*	C
MW-4S*	C
Area 1	
TW-01	C
MW-9S	C
MW-31	C
MW-32	C
MW-33*	C
PZ-F	H
PZ-G	H
PZ-HR	H
PZ-P	H
PZ-Q	H
PZ-R	H
PZ-S	H
Area 2	
TW-02RRR	C
MW-34	C
MW-35	C
MW-36R*	C
PZ-I	H
PZ-J	H
PZ-T	H
PZ-U	H
PZ-V	H
Area 3	
MW-8SR*	C
MW-11S	H
MW-27*	C
MW-28	C
MW-29*	C
MW-30*	C
PZ-A	H
PZ-B	H
PZ-C	H
PZ-D	H
PZ-E	H
PZ-K	H
PZ-L	H
PZ-M	H
PZ-N	H
PZ-O	H
Downgradient Perimeter	
MW-17R	C
MW-18	C
MW-23I	C
MW-23S	C, H
MW-24SR	H
MW-25S	H
PZ-4S*	C
PZ-4D*	C, H
PZ-5D	H
Barge Canal	H

See Notes on Page 2.

Table 1
Post-Shutdown Process Control Monitoring Wells and Piezometers

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Notes:

1. The table lists monitoring wells and piezometers that are part of the constituent of concern (COC) and/or hydraulic post-shutdown process control monitoring program.
2. Hydraulic monitoring involves obtaining groundwater level measurements from monitoring wells/piezometers identified in the table and surface-water level measurements from the Barge Canal. The surface-water level of the Barge Canal is measured from a demarcated reference point on the Bear Street Bridge, which crosses over the canal. Groundwater elevation data are used to map potentiometric surface of the shallow hydrogeologic unit sand layer.
3. The COCs are acetone, benzene, toluene, ethylbenzene, xylenes (total), methanol, trichloroethene, aniline, N,N-dimethylaniline, and methylene chloride.
4. Monitoring well MW-4S and piezometer PZ-4S have been included in the COC monitoring program every third and second monitoring event, respectively; however, both were included in the April 2015 COC monitoring program (the last groundwater monitoring event identified in the July 31, 2014 Site Management Plan prepared by Arcadis).

C = COC monitoring.
H = hydraulic monitoring.
* = New York State Department of Environmental Conservation-approved the elimination of methanol analysis from the COC groundwater monitoring program (NYSDEC. 2010. Letter from Payson Long, NYSDEC, to David Ulm, Arcadis. RE: Requested Changes in Remedial Monitoring Program. September 23.).

Table 2
Summary of Groundwater Level Measurements, October 2006 through July 2016

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Location	Reference Elevation (feet amsl)	10/30/2006	6/6/2007	11/12/2007	3/24/2008	8/25/2008	3/23/2009	9/14/2009	4/26/2010	10/11/2010	4/4/2011	10/24/2011	4/9/2012
Barge Canal[A]	393.39	364.29	362.99	362.06	364.34	363.21	363.54	362.89	362.97	363.49	362.07	363.71	358.39
Collection Sump	372.81	363.18	362.26	361.86	363.81	362.14	362.20	362.18	362.18	360.72	359.90	361.33	360.95
MW-3S	376.54	369.08	--	367.60	367.93	365.19	367.32	365.50	365.67	367.95	369.21	--	366.44
MW-11S	373.50	366.11	364.27	363.88	365.69	363.86	364.88	363.89	364.42	364.30	365.00	364.18	363.92
MW-18[B]	372.57	363.82	362.63	362.32	363.51	362.26	363.16	362.22	362.67	362.87	363.82	--	362.57
MW-23I[B]	372.77	366.43	365.02	364.74	366.12	364.64	365.69	364.67	365.19	365.38	366.57	--	364.99
MW-23S	372.61	365.28	362.98	362.56	364.81	362.62	363.50	362.63	362.99	362.71	364.57	362.66	362.23
MW-24SR	375.55	366.49	365.21	364.83	366.26	364.73	365.81	364.79	365.32	365.81	366.60	365.63	365.09
MW-25S	373.39	365.26	363.32	362.87	364.84	362.88	363.97	362.89	363.34	363.30	364.10	363.17	362.81
PZ-4D	376.11	366.64	365.29	364.98	366.39	364.90	365.96	364.94	365.49	366.02	366.74	365.78	365.24
PZ-5D	375.58	366.87	365.49	365.19	366.69	365.09	366.21	365.14	365.01	366.09	366.99	366.02	365.48
PZ-A	373.94	365.62	363.11	362.72	364.83	362.96	363.56	362.95	362.28	362.35	362.68	362.53	363.24
PZ-B	373.92	365.85	363.12	362.62	365.03	362.87	363.64	362.83	362.96	362.22	363.24	362.47	362.14
PZ-C	374.85	367.14	365.85	365.30	367.15	365.16	366.71	365.23	366.37	367.11	367.88	366.6	366.10
PZ-D	375.12	367.68	365.98	365.40	367.29	365.28	366.81	365.40	366.57	367.17	368.20	366.87	366.39
PZ-E	374.12	368.13	365.16	364.07	366.58	364.14	366.82	364.20	364.25	364.16	364.83	364.18	363.67
PZ-F	377.06	368.32	366.18	365.76	367.99	365.50	367.41	365.69	366.72	367.10	368.10[B]	367.04	366.46
PZ-G	377.16	368.64	366.28	365.82	368.14	365.94	367.29	367.22	367.32	367.36	368.12	367.17	366.53
PZ-HR	376.99	368.31	366.23	365.74	368.00	365.48	367.41	365.63	366.65	367.15	368.00[B]	367.04	366.40
PZ-I	375.15	369.00	366.49	365.92	368.55	365.50	367.97	365.71	367.04	367.49	368.60	367.47	366.77
PZ-J	374.89	367.96	366.16	365.82	367.69	365.55	367.20	365.70	366.55	367.05	367.81	366.94	366.30
PZ-K	373.19	365.58	363.36	362.91	364.96	363.08	363.80	363.04	363.33	363.34	361.94	362.97	362.65
PZ-L	374.62	365.23	362.94	362.63	364.64	362.79	363.39	362.80	363.80	362.36	362.52	362.54	362.16
PZ-M	374.35	365.60	363.54	363.11	365.13	363.30	364.00	363.31	363.62	363.04	363.47	363.22	362.86
PZ-N	376.94[C]	367.51	365.76	365.26	367.05	365.09	366.63	365.17	366.22	367.01	367.79	366.62	366.06
PZ-O	375.36	365.42	363.22	362.82	365.01	362.91	363.94	362.93	363.35	362.90	363.57	362.94	362.61
PZ-P	376.89	368.30	366.31	365.83	368.06	365.58	367.51	365.75	366.76	367.26	368.08	367.15	366.49
PZ-Q	377.61	368.61	366.33	365.83	368.23	365.57	367.61	365.77	366.78	367.26	368.13	367.21	366.52
PZ-R	377.05	368.51	366.19	365.79	368.20	365.55	367.57	365.73	366.74	367.24	368.10	367.15	366.48
PZ-S	378.13	372.48	366.51	365.81	368.21	365.55	367.60	365.74	366.76	367.13	369.67[B]	367.48	366.51
PZ-T	376.25	368.04	366.24	365.84	367.89	365.52	367.37	365.66	366.63	367.12	367.94	367.00	366.32
PZ-U	375.35	367.99	366.07	365.80	367.75	365.52	367.25	365.66	366.52	367.05	367.83	366.92	366.29
PZ-V	375.78	367.97	366.17	365.78	367.78	365.48	367.24	365.64	366.52	367.04	367.81	366.93	366.28

See Notes on Page 3.

Table 2
Summary of Groundwater Level Measurements, October 2006 through July 2016

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Location	Reference Elevation (feet amsl)	10/1/2012	4/1/2013	7/18/2013[D]	10/17/2013[D]	1/17/2014[D]	4/14/2014[D]	10/20/2014[D]	3/30/2015[D]	5/14/2015[D,F]	7/8/2016[D]
Barge Canal[A]	393.39	360.59	360.74	360.69	360.69	361.38	362.29	360.87	361.21	361.27	360.84
Collection Sump	372.81	361.70	361.24	364.71	364.84	366.14	366.92	364.73	368.31[B]	--	364.29
MW-3S	376.54	365.15	367.55	366.11	366.62	367.83	368.66	366.70	368.67	--	365.52
MW-11S	373.50	363.62	364.42	364.95	365.08	366.08	366.94	365.00	366.95	365.64	364.70
MW-18[B]	372.57	362.32	362.85	362.74	363.54	363.57	364.50	365.00	363.84	--	362.89
MW-23I[B]	372.77	364.73	365.29	365.23	365.33	366.02	366.86	365.32	359.26	--	365.08
MW-23S	372.61	362.29	362.88	364.20	364.37	365.30	366.06	364.14	366.95	364.91	363.95
MW-24SR	375.55	364.84	365.48	365.39	365.46	366.25	367.09	365.40[E]	366.48	366.07	365.29
MW-25S	373.39	362.61	363.48	364.08	364.23	365.14	365.89	364.22	366.09	364.42	363.78
PZ-4D	376.11	364.94	365.59	365.47	365.59	366.34	367.06	365.60	366.51	366.13	365.35
PZ-5D	375.58	365.16	365.84	365.67	365.81	366.57	367.42	365.78	366.78	366.33	365.56
PZ-A	373.94	362.54	362.68	364.78	364.92	366.08	366.87	364.84	367.79	365.39	364.45
PZ-B	373.92	362.35	362.64	364.77	364.88	366.08	366.86	364.79	368.01	365.32	364.35
PZ-C	374.85	365.41	366.76	365.75	365.84	366.65	367.50	365.78	367.16	366.26	365.44
PZ-D	375.12	365.65	367.07	365.87	365.97	366.82	367.66	365.90	367.31	366.39	365.58
PZ-E	374.12	363.35	364.38	365.12	365.22	366.44	367.22	365.21	368.66	365.64	364.70
PZ-F	377.06	365.44	366.91	366.52	366.57	367.61	368.66	366.51	368.33	366.96	365.96
PZ-G	377.16	365.48	367.04	366.67	366.70	367.74	368.74	366.54	368.39	366.99	365.99
PZ-HR	376.99	365.38	366.90	366.46	366.50	367.61	368.60	366.47	368.32	366.95	365.89
PZ-I	375.15	365.36	367.52	366.60	366.70	368.20	369.15	366.80	368.94	367.29	365.92
PZ-J	374.89	365.55	366.74	366.39	366.48	367.50	368.37	366.48	368.06	366.98	365.99
PZ-K	373.19	362.75	363.03	364.79	364.96	365.97	366.77	364.86	367.18	365.43	364.38
PZ-L	374.62	362.42	362.60	364.61	364.77	365.90	366.71	364.69	367.51	365.24	364.29
PZ-M	374.35	362.87	363.28	364.93	364.96	366.18	366.98	364.98	367.54	365.56	364.62
PZ-N	376.94[C]	365.33	366.72	365.67	365.81	366.57	367.46	365.73	367.14	366.20	365.39
PZ-O	375.36	362.52	363.14	364.50	364.64	365.72	366.48	364.56	366.56	365.16	364.10
PZ-P	376.89	365.45	366.93[B]	366.57	366.63	367.69	368.69	366.58	368.34	367.04	366.03
PZ-Q	377.61	365.44	367.04	366.59	366.65	367.76	368.80	366.56	368.46	367.04	366.03
PZ-R	377.05	365.45	367.03	366.54	366.59	367.74	368.75	366.55	368.43	367.02	365.98
PZ-S	378.13	365.45	367.34[B]	366.58	366.61	368.27	369.73	366.76	369.01	367.14	366.03
PZ-T	376.25	365.41	366.86	366.42	366.49	367.64	368.55	366.50	368.20	366.97	365.94
PZ-U	375.35	365.44	366.77	366.38	366.47	367.55	368.42	366.45	368.13	366.96	365.95
PZ-V	375.78	365.40	366.77	366.37	366.46	367.53	368.44	366.43	368.18	366.93	365.92

See Notes on Page 3.

Table 2
Summary of Groundwater Level Measurements, October 2006 through July 2016

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Superscript Notes:

[A] = Surface-water level measurements are obtained from the Barge Canal. The surface-water level is measured from a demarcated reference point on the Bear Street Bridge, which crosses over the canal.

[B] = Data not used in potentiometric surface mapping of the shallow hydrogeologic unit sand layer.

[C] = The reference elevation for PZ-N was 376.02 feet amsl prior to November 16, 2000. The new reference elevation is 376.94 feet amsl.

[D] = Groundwater elevations reflect hydrogeologic conditions after the April 2013 shutdown of the in-situ bioremediation treatment and closed loop hydraulic systems.

[E] = Monitoring well MW-24SR was not accessible on October 20, 2014 and was monitored on October 21, 2014.

[F] = A second round of hydraulic gauging was performed on May 14, 2015 due to groundwater mounding observed in Area 3 during the March 30, 2015 gauging event. The groundwater mounding was caused by saturated conditions at the Site from recent snow melt.

Abbreviations:

-- = not measured.

amsl = above mean sea level (National Geodetic Vertical Datum of 1929).

Table 3
Summary of Groundwater Monitoring Data, April 2011 through July 2016

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Acetone	Benzene	Ethylbenzene	Methylene Chloride	Toluene	Trichloroethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (TOGS 1.1.1)		**50**	**1**	**5**	**5**	**5**	**5**	**5**	**5**	**1**	**50[G]**
MW-3S	4/11	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3 J	<1.1 J	NA
	10/11	<10	<1.0	<1.0	<1.0	**0.35 J**	<1.0	<3.0	<5.0	<1.0	NA
	4/12	<2.7	<0.080	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	<0.21	NA
	10/12	<10	**0.27 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	0.61 J	NA
	4/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	<1.0	NA
	7/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA
	10/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	NA
	1/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	4/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	10/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	4/15	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	7/16	<5.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<1.0	NA
MW-4S	4/12	<2.7	<0.080	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	<0.21	NA
	7/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA
	4/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	4/15	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	7/16	<5.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<1.0	NA
MW-8SR[B]	4/11	**5.9 J [4.3 J]**	**3.2 [3.2]**	**10 [8.8]**	<1.0 [<1.0]	**2.8 [2.6]**	<1.0 [<1.0]	**32 [31]**	**57 J [64]**	**1.5 [1.6]**	NA
	10/11	<10 [<10]	**1.9 [2.0]**	**2.0 [2.1]**	<1.0 [<1.0]	**1.3 [1.3]**	<1.0 [<1.0]	**14 [15]**	<5.0 [<5.0]	**2.6 [<1.0]**	NA
	4/12	**8.7 J [6.7 J]**	**1.2 [1.7]**	**2.3 [3.3]**	<0.18 [<0.18]	**0.76 J [1.2]**	<0.090 [<0.090]	**9.5 [15]**	<1.9 [<1.9]	**2.4 [2.6]**	NA
	10/12	<10 [<10]	**0.69 J [0.70 J]**	**0.16 J [0.14 J]**	<1.0 [<1.0]	**0.36 J [0.39 J]**	<1.0 [<1.0]	**1.4 J [1.2 J]**	<5.3 [<5.0]	**2.3 [2.7]**	NA
	4/13	<10 [<10]	**1.1 [1.1]**	**0.32 J [0.28 J]**	<1.0 [<1.0]	**0.67 J [0.68 J]**	<1.0 [<1.0]	**7.7 [8.0]**	<5.1 [<5.1]	**1.7 [1.4]**	NA
	7/13	**5.1 J [8.7 J]**	**1.9 [1.8]**	**0.17 J [0.18 J]**	<1.0 [<1.0]	**1.0 [0.96J]**	<1.0 [<1.0]	**11 [9.4]**	**2.5 [2.5]**	**0.89 J [0.96 J]**	<1,000 [<1,000]
	10/13	<10	**2.9**	**0.21 J**	<1.0	**1.3**	<1.0	**13**	**2.6 J**	**0.83 J**	NA
	1/14	<10 J [<10 J]	**2.4 [2.6]**	**0.19 J** [<1.0]	<1.0 [<1.0]	**0.94 J [1.1]**	<1.0 [<1.0]	**11 [13]**	**5.1 J** [<10]	**2.0 [1.7]**	NA
	4/14	<10 [<10]	**3.2 [3.3]**	**0.25 J [0.27 J]**	<1.0 [<1.0]	**1.2 [1.1]**	<1.0 [<1.0]	**13 [13]**	**3.9 J [5.6 J]**	**1.4 [1.9]**	NA
	10/14	**18 J [38 J]**	**1.7 [1.9]**	**0.16 J [0.18 J]**	**0.27 J** [<1.0]	**1.2 [1.3]**	<1.0 [<1.0]	**5.9 [6.4]**	**3.1 J [2.3 J]**	**1.8 [1.3]**	NA
	4/15	**15 [8.4 J]**	**3.5 [3.7]**	<1.0 **[0.36 J]**	<1.0 [<1.0]	**1.3 [1.2]**	<1.0 [<1.0]	**19 [18]**	**2.7 J [3.6 J]**	**2.6 [2.7]**	NA
	7/16	<5.0 J **[12 J]**	**1.7 [1.6]**	<1.0 [<1.0]	<1.0 [<1.0]	**0.73 J [0.71 J]**	<1.0 [<1.0]	**4.6 [4.2]**	**2.0 J [1.4 J]**	**1.1 [1.0 J]**	NA
MW-9[C] (Replaced by MW-9S)	4/11	<10	**0.91 J**	**29**	<1.0	**2.6**	<1.0	**89**	<5.3	**5.4**	<500
	10/11	<10	**1.2**	**4.2**	<1.0	**1.8**	<1.0	**41 J**	<5.0	**7.6**	<500
	4/12	**7.5 J**	**1.1**	**18**	<0.18	**1.5**	<0.090	**67**	<1.9	**6.3**	<500
	10/12	<10	**1.9 J**	**4.7**	<1.0	**3.2**	<1.0	**84**	<5.0	**3.9**	NA
	4/13	**12 J**	**0.95 J**	**19**	<1.0	**1.6**	<1.0	**62**	<5.1	**5.9**	<1,000
	7/13	<10	**1.9**	**12**	<1.0	**2.0**	<1.0	**45**	<1.0	**2.0**	<1,000
	10/13	<5.0	**2.9**	**10**	<1.0	**2.6**	<1.0	**60**	<5.0	**5.2**	<500
	1/14	<10 J	**1.1**	**13**	<1.0	**1.6**	<1.0	**54**	<10	**7.2**	<500
	4/14	<10	**1.0**	**19**	<1.0	**2.2**	<1.0	**74**	<10	**5.7**	<500
	10/14	<10 J	**1.5**	**8.8**	<1.0	**2.2**	**0.82 J**	**72**	<10	**5.9**	<500
	4/15	<10	**1.4**	**22**	<1.0	**2.5**	<1.0	**79**	<11	**6.5**	<500
	7/16	<5.0 J	**1.3**	**13**	<1.0	**1.9**	<1.0	**50**	**0.66 J**	**2.7**	<1,000

See Notes on Page 8.

Table 3
Summary of Groundwater Monitoring Data, April 2011 through July 2016

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Acetone	Benzene	Ethylbenzene	Methylene Chloride	Toluene	Trichloroethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (TOGS 1.1.1)		**50**	**1**	**5**	**5**	**5**	**5**	**5**	**5**	**1**	**50[G]**
MW-17[D] (Replaced by MW-17R)	4/11	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3 J	<1.1 J	<500
	10/11	<10	<1.0	<1.0	<1.0	**0.19 J**	<1.0	<3.0 J	<5.0	<1.0	<500
	4/12	<2.7	**0.22 J**	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	<0.21	<500
	10/12	<10	**0.55 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	<1.0	NA
	4/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	<1.0	<1,000
	7/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.2	<1.2	<1,000
	10/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.4	<1.1	<500
	1/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	4/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	**2,700**
	10/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	4/15	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	7/16	<5.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<1.0	<1,000
MW-18	4/11	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3	<1.1	<500
	10/11	<10	<1.0	<1.0	<1.0	**0.23 J**	<1.0	<3.0 J	<5.0	<1.0	<500
	4/12	<2.7	<0.080	<0.10	<0.18	**0.27 J**	<0.090	<0.36	<1.8	<0.21	<500
	10/12	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	<1.0	NA
	4/13	<10	<1.0	<1.0	<1.0	**0.60 J**	<1.0	<3.0	<4.8	<0.95	<1,000
	7/13	<10	<1.0	<1.0	<1.0	**0.25 J**	<1.0	<3.0	<1.0	<1.0	<1,000
	10/13	<10	<1.0	<1.0	<1.0	**0.19 J**	<1.0	<3.0	<5.4	<1.1	<500
	1/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	4/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	10/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	4/15	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	7/16	<5.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<1.0	<1,000
MW-23S	4/11	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3	<1.1	<500
	10/11	<10	<1.0	<1.0	<1.0	**0.31 J**	<1.0	<3.0	<5.0	<1.0	<500
	4/12	<2.7	<0.080	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	<0.21	<500
	10/12	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	<1.0	NA
	4/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	<1.0	<1,000
	7/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1,000
	10/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	<1.0	<500
	1/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	4/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	10/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500 J
	4/15	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	7/16	<5.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<1.0	<1,000

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Table 3
Summary of Groundwater Monitoring Data, April 2011 through July 2016

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McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Acetone	Benzene	Ethylbenzene	Methylene Chloride	Toluene	Trichloroethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (TOGS 1.1.1)		**50**	**1**	**5**	**5**	**5**	**5**	**5**	**5**	**1**	**50[G]**
MW-23I	4/11	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3	<1.1	<500
	10/11	<10	<1.0	<1.0	<1.0	**0.29 J**	<1.0	<3.0	<5.0	<1.0	<500
	4/12	<2.7	<0.080	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	<0.21	<500
	10/12	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.6	<1.1	NA
	4/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<4.8	<0.95	<1,000
	7/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1,000
	10/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	1/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	4/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	10/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	4/15	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	7/16	<5.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<1.0	<1,000
MW-27	4/11	**3.9 J**	**3.1**	**5.1**	<1.0	**5.7**	<1.0	**9.1**	**1,000**	<11	NA
	10/11	<10	**2.1**	**2.2**	<1.0	**1.3**	<1.0	**3.1**	**36**	**2.7**	NA
	4/12	<2.7 J	**1.5**	**1.4**	<0.18	**0.45 J**	<0.090	**2.2 J**	<1.9	**2.7**	NA
	10/12	<10	**1.1**	<1.0	<1.0	**0.22 J**	<1.0	<3.0	<5.0	**2.2**	NA
	4/13	<10	**1.1**	**0.88 J**	<1.0	**0.34 J**	<1.0	**1.4 J**	11	**2.4**	NA
	7/13	<10	**2.0**	<1.0	<1.0	**0.60 J**	<1.0	<3.0	**1.5**	**1.1**	<1,000
	10/13	<10	**2.6**	<1.0	<1.0	**0.75 J**	<1.0	**3.9**	<5.0	**0.73 J**	NA
	1/14	<10 J	**0.89 J**	<1.0	<1.0	**0.33 J**	<1.0	**0.22 J**	<12	**0.75 J**	NA
	4/14	<10	**1.0**	<1.0	<1.0	**0.41 J**	<1.0	**0.92 J**	**0.60 J**	**0.48 J**	NA
	10/14	<10	**2.0**	**0.12 J**	<1.0	**1.2**	<1.0	**3.5**	**16**	**1.4**	NA
	4/15	<10	**2.4**	**0.98 J**	<1.0	**1.9**	<1.0	**9.5**	**20**	**1.0 J**	NA
	7/16	**7.5 J**	**1.2**	<1.0	<1.0	**0.43 J**	<1.0	**2.4**	**2.4 J**	**1.2**	NA
MW-28	4/11	**4.3 J**	**2.3**	<1.0	<1.0 B	**0.11 J**	<1.0	<3.0	**3.9 J**	**0.75 J**	<500
	10/11	<10	**1.8**	<1.0	<1.0	**0.38 J**	<1.0	<3.0	<5.0	<1.0	<500
	4/12	<2.7	**1.4**	<0.10	<0.18	**0.22 J**	<0.090	<0.36	<1.8	**0.48 J**	<500
	10/12	<10	**1.9**	<1.0	<1.0	**0.16 J**	<1.0	<3.0	<5.0	**0.62 J**	NA
	4/13	<10	**1.7**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	**0.32 J**	**410 J**
	7/13	<10	**1.7**	<1.0	<1.0	**0.22 J**	<1.0	<3.0	<1.0	**0.35 J**	<1,000
	10/13	<10	**1.7**	<1.0	<1.0	**0.49 J**	<1.0	**0.68 J**	<5.0	**0.70 J**	<500
	1/14	<10 J	**1.2**	<1.0	<1.0	**0.22 J**	<1.0	<3.0	<10	**0.75 J**	<500
	4/14	**13**	**1.7**	<1.0	<1.0	**0.29 J**	<1.0	<3.0	<10	**0.72 J**	<500
	10/14	**51**	**1.3**	<1.0	**0.41 J**	**1.1**	<1.0	**0.90 J**	**1.2 J**	**1.3**	<500
	4/15	**7.6 J**	**1.6**	<1.0	<1.0	**0.39 J**	<1.0	**0.75 J**	**1.2 J**	**1.3**	<500
	7/16	<5.0 J	**1.1**	<1.0	<1.0	**0.41 J**	<1.0	**0.50 J**	**0.94 J**	<1.0	<1,000

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Table 3
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Monitoring Well	Sampling Date	Acetone	Benzene	Ethylbenzene	Methylene Chloride	Toluene	Trichloroethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (TOGS 1.1.1)		**50**	**1**	**5**	**5**	**5**	**5**	**5**	**5**	**1**	**50[G]**
MW-29	4/11	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3 J	<1.1 J	NA
	10/11	<10	<1.0	<1.0	<1.0	**0.22 J**	<1.0	<3.0 J	<5.0	**0.22 J**	NA
	4/12	<2.7	<0.080	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	<0.21	NA
	10/12	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	<1.0	NA
	4/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	<1.0	NA
	7/13	<10	**0.26 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA
	10/13	<10	**0.32 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	<1.0	NA
	1/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<11	<1.1	NA
	4/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	10/14[F]	**790,000**	<500	<500	<500	<500	<500	<1,500	<10	<1.0	NA
	12/14[F]	**370 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	NA	NA
	4/15[F]	**12**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<12	**0.66 J**	NA
	7/16[F]	**30 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<11	<1.1	NA
MW-30	4/11	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3 J	<1.1 J	NA
	10/11	<10	<1.0	<1.0	<1.0	**0.18 J**	<1.0	<3.0 J	<5.0	<1.0	NA
	4/12	<2.7	<0.080	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	<0.21	NA
	10/12	<10	**0.099 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3	<1.1	NA
	4/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	<1.0	NA
	7/13	<10	**0.20 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	**0.30 J**	NA
	10/13	<10	**0.29 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	**0.85 J**	NA
	1/14	<10 J	**0.19 J**	<1.0	<1.0	<1.0	<1.0	**0.14 J**	<11	<1.1	NA
	4/14	<10	**0.37 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<10	**0.43 J**	NA
	10/14	<10	**0.18 J**	<1.0	<1.0	<1.0	<1.0	**0.15 J**	<10	**1.5**	NA
	4/15	<10	**0.24 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<11	**2.0**	NA
	7/16	<5.0 J	**0.78 J**	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<1.0	NA
MW-31	4/11	<10	**8.3**	<1.0	<1.0	**0.77 J**	<1.0	**2.5 J**	<5.3	**2.3**	<500
	10/11	<10	**5.7**	<1.0	<1.0	**0.62 J**	<1.0	**1.5 J**	<5.0	**3.5**	<500
	4/12	**6.5 J**	**6.8**	**0.16 J**	<0.18	**0.65 J**	<0.090	**2.7 J**	<1.9	**2.1**	<500
	10/12	<10	**6.3 J**	**0.16 J**	<1.0	**0.44 J**	<1.0	**2.3 J**	<5.0	**0.90 J**	NA
	4/13	<10	**12**	**0.21 J**	<1.0	**1.3**	<1.0	**5.6**	<5.2	**1.1**	<1,000
	7/13	<10	**11**	<1.0	<1.0	**1.2**	<1.0	**5.1**	**0.72 J**	**1.6**	<1,000
	10/13	<10	**11**	**0.15 J**	<1.0	**1.4**	<1.0	**6.1**	<5.2	**2.2**	<500
	1/14	<10 J	**8.2**	<1.0	<1.0	**1.2**	<1.0	**6.3**	<10	**2.2**	NA
	4/14	<10	**7.5**	**0.22 J**	<1.0	**0.93 J**	<1.0	**4.6**	**0.75 J**	**1.9**	<500
	10/14	**7.1 J**	**6.5**	<1.0	<1.0	**1.4**	<1.0	**4.5**	**1.1 J**	**2.2**	<500
	3/15	<10 J	**9.1**	<1.0	<1.0	**1.3**	<1.0	**8.9**	**0.52 J**	**1.6**	<500
	7/16	**13 J**	**9.6**	<1.0	<1.0	**1.1**	<1.0	**4.8**	<10	**1.3**	<1,000

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Monitoring Well	Sampling Date	Acetone	Benzene	Ethylbenzene	Methylene Chloride	Toluene	Trichloroethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (TOGS 1.1.1)		**50**	**1**	**5**	**5**	**5**	**5**	**5**	**5**	**1**	**50[G]**
MW-32	4/11	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3	<1.1	<500
	10/11	<10	<1.0	<1.0	<1.0	**0.19 J**	<1.0	<3.0 J	<5.0	**1.5**	<500
	4/12	<2.7	<0.080	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	**1.1**	<500
	10/12	<10	<1.0 J	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	**2.2**	NA
	4/13	<10	**0.098 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	**0.91 J**	<1,000
	7/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	**0.82 J**	<1,000
	10/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	**1.2**	<500
	1/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	**0.85 J**	<500
	4/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	**1.1**	<500
	10/14	<10 J	**0.10 J**	<1.0	<1.0	**0.20 J**	<1.0	<3.0	<10	**1.5**	<500
	3/15	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<11	**1.1**	<500
	7/16	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	<2.0	<10	<1.0	<1,000
MW-33	4/11	<10	**0.79 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3	**1.9**	NA
	10/11	<10	**0.58 J**	<1.0	<1.0	**0.12 J**	<1.0	<3.0	<5.3	**1.9**	NA
	4/12	<2.7	**0.11 J**	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	**1.3**	NA
	10/12	<10	**0.33 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	**2.1**	NA
	4/13	<10	**1.1**	<1.0	<1.0	<1.0	<1.0	<3.0	<4.8 J	**2.1 J**	NA
	7/13	<10	**0.46 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	**0.96 J**	<1,000
	10/13	<10	**1.1**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	**0.69 J**	NA
	1/14	<10 J	**0.69 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<10	**1.7**	NA
	4/14	<10	**1.1**	<1.0	<1.0	<1.0	<1.0	<3.0	**0.32 J**	**2.3**	NA
	10/14	<10 J	**0.45 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<10	**1.3**	NA
	4/15	<10	**0.57 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<11	**2.2**	NA
	7/16	<5.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10	**1.1**	NA
MW-34	4/11	**16**	**1.7**	<1.0	<1.0	**0.74 J**	<1.0	**2.0 J**	**10**	**2.7**	<500
	10/11	**350**	**1.2**	<1.0	<1.0	**0.71 J**	<1.0	**0.90 J**	<5.6	**2.5**	<500
	4/12	**37 J**	**1.3**	<0.10	<0.18	**0.59 J**	<0.090	**1.4 J**	**2.1 J**	**2.4**	<500
	10/12	**61**	**1.6**	<1.0	<1.0	**0.78 J**	<1.0	**2.2 J**	<5.2	**2.7**	NA
	4/13	**26 J**	**1.3**	<1.0	<1.0	**0.60 J**	<1.0	**2.3 J**	<4.8	**1.7**	<1,000
	7/13	**32**	**1.3**	<1.0	<1.0	**0.66 J**	<1.0	**2.0 J**	**0.56 J**	**0.92 J**	NA
	10/13	**15**	**1.2**	<1	<1.0	**0.69 J**	**0.13 J**	**2.2 J**	<5.0	**1.3**	<500
	1/14	**15 J**	**0.91 J**	<1.0	<1.0	**0.44 J**	<1.0	**1.3 J**	<10	**1.9**	<500
	4/14	**57**	**1.4**	**0.11 J**	<1.0	**0.62 J**	<1.0	**3.6**	**2.6 J**	**1.6**	<500
	10/14	**31 J**	**1.4**	<1.0	<1.0	**0.75 J**	<1.0	**1.9 J**	**0.77 J**	**1.9**	<500
	3/15	**32**	**1.5**	<1.0	<1.0	**0.94 J**	<1.0	**3.3**	<10	**2.7**	<500
	7/16	**22**	**1.6**	<1.0	<1.0	**0.75 J**	<1.0 J	**3.5**	**0.95 J**	**2.0**	<1,000

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Monitoring Well	Sampling Date	Acetone	Benzene	Ethylbenzene	Methylene Chloride	Toluene	Trichloroethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (TOGS 1.1.1)		**50**	**1**	**5**	**5**	**5**	**5**	**5**	**5**	**1**	**50[G]**
MW-35	4/11	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.6	<1.1	<500
	10/11	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	<1.0	<500
	4/12	**14 J**	<0.080	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	<0.21	<500
	10/12	<36 B	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	NA
	4/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	<1.0	**470 J**
	7/13	**4.2 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0 J	<1.0	<1,000
	10/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2 J	<1.0	<500
	1/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	4/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	**1.6**	<500
	10/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	<500
	4/15	<10	<1.0	<1.0	<1.0	**0.44 J**	<1.0	<3.0	<10	<1.0	<500
	7/16	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	<2.0	<10	<1.0	<1,000
MW-36[E] (Replaced by MW-36R)	4/11	<10	**4.3**	<1.0	<1.0	**0.95 J**	<1.0	**4.4**	**310**	**4.0**	NA
	10/11	<10	**1.8**	<1.0	<1.0	**0.66 J**	<1.0	**1.4 J**	**92**	**3.6**	NA
	12/11	NA	NA	NA	NA	NA	NA	NA	**120**	NA	NA
	4/12	**6.3 J**	**1.6**	**0.16 J**	<0.18	**0.45 J**	<0.090	**1.9 J**	**150**	**4.1**	NA
	10/12	<10	**1.5 J**	<1.0	<1.0	**0.54 J**	<1.0	**2.2 J**	**10**	**3.1**	NA
	4/13	<10	**1.8**	**0.14 J**	<1.0	**0.53 J**	<1.0	**2.9 J**	**150**	**4.0**	NA
	7/13	<10	**1.4**	**0.11 J**	<1.0	**0.46 J**	<1.0	**1.7 J**	**97**	**2.0**	<1,000
	10/13	<10	**1.3**	<1.0	<1.0	**0.45 J**	<1.0	**1.7 J**	**110**	**1.9**	NA
	1/14	<10 J	**1.2**	<1.0	<1.0	**0.42 J**	<1.0	**1.4 J**	**180**	**4.1**	NA
	4/14	**5.5 J**	**1.1**	**0.12 J**	<1.0	**0.42 J**	<1.0	**1.6 J**	**140**	**3.4**	NA
	10/14	<10 J	**0.62 J**	<1.0	<1.0	**0.32 J**	<1.0	**0.60 J**	**74**	**3.3**	NA
	3/15	<10	**0.85 J**	<1.0	<1.0	**0.42 J**	<1.0	**0.88 J**	**25**	**3.8**	NA
	7/16	**17 J**	**0.48 J**	<1.0	<1.0	**0.41 J**	<1.0	**0.46 J**	**7.9 J**	**3.4**	NA
TW-01	4/11	<10	**0.21 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3	<1.1	<500
	10/11	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0 J	<5.6	**1.6**	<500
	4/12	<2.7	**0.11 J**	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	**1.7**	<500
	10/12	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	**1.9**	NA
	4/13	<10	**0.090 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	**0.98 J**	<1,000
	7/13	<10	**0.11 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	**1.0**	<1,000
	10/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	**1.1**	<500
	1/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	**0.98 J**	<500
	4/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	**1.3**	<500
	10/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	**0.19 J**	<10	**1.4**	<500
	3/15	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<11	**1.1**	<500
	7/16	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	<2.0	<10	<1.0	<1,000

See Notes on Page 8.

Table 3
Summary of Groundwater Monitoring Data, April 2011 through July 2016

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Acetone	Benzene	Ethylbenzene	Methylene Chloride	Toluene	Trichloroethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (TOGS 1.1.1)		**50**	**1**	**5**	**5**	**5**	**5**	**5**	**5**	**1**	**50[G]**
TW-02RR[B,E] (Replaced by TW-02RRR)	4/11	<10 [<10]	**2.1 [2.0]**	**1.2 [1.3]**	<1.0 [<1.0]	**0.74 J [0.75 J]**	<1.0 [<1.0]	**5.2 [5.3]**	**1.9 J [2.1 J]**	**3.4 [3.3]**	<500 [<500]
	10/11	<10 [<10]	**1.2 [1.1]**	**0.67 J [0.69 J]**	<1.0 [<1.0]	**0.53 J [0.48 J]**	<1.0 [<1.0]	**1.5 J [1.4 J]**	**1,300 D [1,500 D]**	**5.5 [6.2]**	<500 [<500]
	12/11	NA	NA	NA	NA	NA	NA	NA	**1,400**	NA	NA
	4/12	**15 J [13 J]**	**1.6 [1.5]**	**0.73 J [0.76 J]**	<0.18 [<0.18]	**0.51 J [0.48 J]**	<0.090 [<0.090]	**1.6 J [1.6 J]**	**1,400 J [1,600 J]**	<2.2 J [<2.2 J]	<500 [<500]
	10/12	<10 [<10]	**1.1 J [0.98 J]**	**0.29 J [0.27 J]**	<1.0 [<1.0]	**0.26 J [0.27 J]**	<1.0 [<1.0]	**0.91 J [0.89 J]**	<5.2 **[3.2 J]**	**2.2 [1.9]**	NA
	4/13	<10 [<10]	**1.4 [1.3]**	**0.60 J [0.64 J]**	<1.0 [<1.0]	**0.36 J [0.38 J]**	<1.0 [<1.0]	**1.5 J [1.5 J]**	**620 [700]**	**3.5 J [3.4 J]**	<1,000 [<1,000]
	7/13	<10 [<10]	**0.91 J [0.91 J]**	**0.25 J [0.26 J]**	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 J [**14 J**]	**0.72 J [0.70 J]**	**150 [170]**	**1.7 [1.8]**	<1,000 [<1,000]
	10/13	<10 [<10]	**0.60 J [0.60 J]**	<1.0 **[0.15 J]**	<1.0 [<1.0]	**0.20 J [0.17 J]**	**0.15 J [0.11 J]**	<3.0 [<3.0]	**90 [72]**	**2.1 [1.4]**	<500 [<500]
	1/14	<10 J [<10 J]	**1.1 [1.1]**	**0.27 J [0.33 J]**	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	0.69 J [0.77 J]	**660 [750 D]**	**1.8 J [3.7]**	<500 [<500]
	4/14	**8.0 J [10]**	**1.2 [1.2]**	**0.51 J [0.44 J]**	<1.0 [<1.0]	**0.18 J [0.17 J]**	<1.0 [<1.0]	**1.0 J [0.96 J]**	**1,300 J [1,700 J]**	**2.8 J [3.5 J]**	<500 [<500]
	10/14	<10 J [<10 J]	**1.3 [0.88 J]**	**0.18 J [0.12 J]**	<1.0 [<1.0]	**0.42 J [0.26 J]**	<1.0 [<1.0]	**1.2 J [0.46 J]**	**3.8 J [3.1 J]**	**2.8 [2.4]**	<500 [<500]
	3/15	<10 [<10]	**1.1 [0.99 J]**	**0.31 J [0.43 J]**	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	**0.81 J [0.75 J]**	**170 [150]**	**2.2 [1.7]**	<500 [<500]
	7/16	<5.0 [<5.0]	**0.68 J [0.70 J]**	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 J [<1.0 J]	**0.43 J [0.49 J]**	<10 [<10]	**1.4** [<1.0]	<1,000 [<1,000]
PZ-4D	4/11	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3	<1.1	NA
	4/12	<2.7	<0.080	<0.10	<0.18	**0.23 J**	<0.090	<0.36	<1.8	<0.21	NA
	4/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<4.8	<0.95	NA
	7/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA
	10/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	<1.0	NA
	1/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	4/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	10/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	4/15	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	7/16	<5.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<1.0	NA
PZ-4S	4/11	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3	<1.1	NA
	4/12	<2.7	<0.080	<0.10	<0.18	<0.15	<0.090	<0.36	<1.8	<0.21	NA
	4/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	<1.0	NA
	7/13	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA
	1/14	<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10	<1.0	NA
	10/14	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<11	<1.1	NA
	4/15	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<10 J	<1.0 J	NA
	7/16	<5.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<1.0	NA

See Notes on Page 8.

Table 3
Summary of Groundwater Monitoring Data, April 2011 through July 2016

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

General Notes:

1. Concentrations are presented in µg/L, which is equivalent to ppb.
2. Compounds detected are indicated by bold-faced type.
3. Detections exceeding NYSDEC Groundwater Standards (TOGS 1.1.1; NYSDEC 1998) are indicated by shading.
4. Duplicate sample results are presented in brackets (e.g., [14]).
5. The sampling event in June 2010 was an interim sampling event to check for the presence of methylene chloride.
6. Results following the April 2013 sampling event reflect groundwater quality conditions after the shutdown of the in-situ bioremediation treatment and closed hydraulic systems.

Superscript Notes:

[A] = Data presented is total xylenes (m- and p-xylenes and o-xylenes).
[B] = Wells MW-8S and TW-02R were abandoned in August 2004 and replacement wells MW-8SR and TW-02RR were installed in August 2004.
[C] = Well MW-9 was abandoned during Operable Unit No. 1 soil remediation activities (1994).
[D] = Well/piezometer MW-17 was abandoned from November 1997 through January 1998.
[E] = Wells/piezometers MW-36, PZ-5S, PZ-W, and TW-02RR were abandoned in November 2010. Replacement wells TW-02RRR (replaced TW-02RR) and MW-36R (replaced MW-36 and PZ-W) were installed in November 2010.
[F] = Detections of acetone at well MW-29 since the October 2014 sampling event are attributed to the repair of the PVC stick-up on June 26, 2014, and are not site-related.
[G] = Methanol has a New York State Department of Health drinking water standard of 50 ppb. This standard (i.e., maximum contaminant level) is for an "unspecified organic contaminant" (NYCRR Title 10, Part 5, Subpart 5-1).

Abbreviations:

amsl = above mean sea level (National Geodetic Vertical Datum of 1929).
NA = compound was not analyzed for in the sample.
NYCRR = New York State Codes, Rules, and Regulations.
NYSDEC = New York State Department of Environmental Conservation.
ppb = parts per billion.
PVC = polyvinyl chloride.
TOGS = Technical and Operational Guidance Series.
µg/L = microgram per liter.

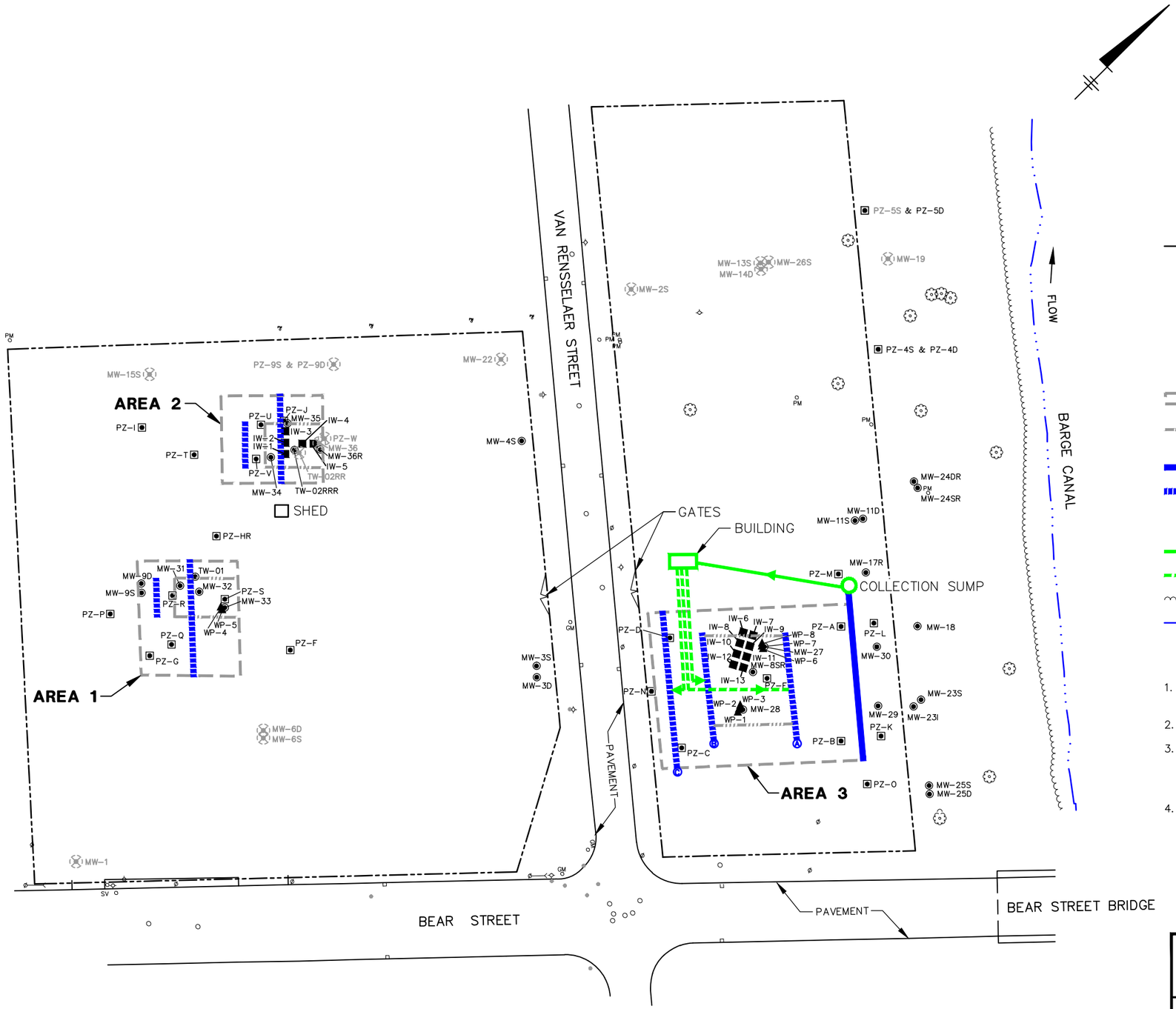
Analytical Qualifiers:

B = The compound was found in associated method blank.
D = Concentration is based on a diluted sample analysis.
J = The compound was positively identified; however, the numerical value is an estimated concentration only.
< = Compound was not detected at the listed quantitation limit.

Reference:

NYSDEC. 1998. Technical Operational Guidance Series 1.1.1: Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June. Available at: http://www.dec.ny.gov/docs/water_pdf/togs111.pdf.

FIGURES



LEGEND:

- UTILITY POLE
- CATCH BASIN
- PETROLEUM PIPELINE MARKER
- GAS LINE MARKER
- SEWER VENT
- HYDRANT
- WATER VALVE
- MANHOLE
- PROPERTY LINE
- MW-19 GROUNDWATER MONITORING WELL
- PZ-A PIEZOMETER
- PZ-W REMOVED/DECOMMISSIONED WELL/PIEZOMETER
- WP-8 WELL POINT
- IW-3 OXYGEN INFUSION WELL
- APPROXIMATE BOUNDARY OF OPERABLE UNIT 2 TREATMENT AREA
- AREA OF HISTORICALLY RELATIVELY HIGHER CONCENTRATIONS OF CONSTITUENTS OF CONCERN
- GROUNDWATER WITHDRAWAL TRENCH
- GROUNDWATER INFILTRATION TRENCH
- A AREA 3 GROUNDWATER INFILTRATION TRENCH IDENTIFICATION
- PIPING TO BUILDING
- PIPING FROM BUILDING
- TREE LINE
- EDGE OF BARGE CANAL

NOTES:

1. REPLACED MONITORING WELLS ARE IDENTIFIED WITH AN "R" (e.g., MW-24DR).
2. LOCATIONS ARE APPROXIMATE.
3. STANDPIPES ARE LOCATED IN AREAS 1 AND 2, SCREENED WITHIN THE INFILTRATION TRENCHES. ADDITIONAL STANDPIPES ARE LOCATED IN AREA 2 OUTSIDE OF THE INFILTRATION TRENCHES. STANDPIPE LOCATIONS ARE NOT SHOWN ON THE FIGURE.
4. DURING HYDRAULIC MONITORING EVENTS, BARGE CANAL SURFACE-WATER LEVELS ARE MEASURED FROM A DEMARCATED REFERENCE POINT AT THE CENTER OF THE BEAR STREET BRIDGE (LOCATION NOT SHOWN ON THIS FIGURE).

0 100' 200'

GRAPHIC SCALE

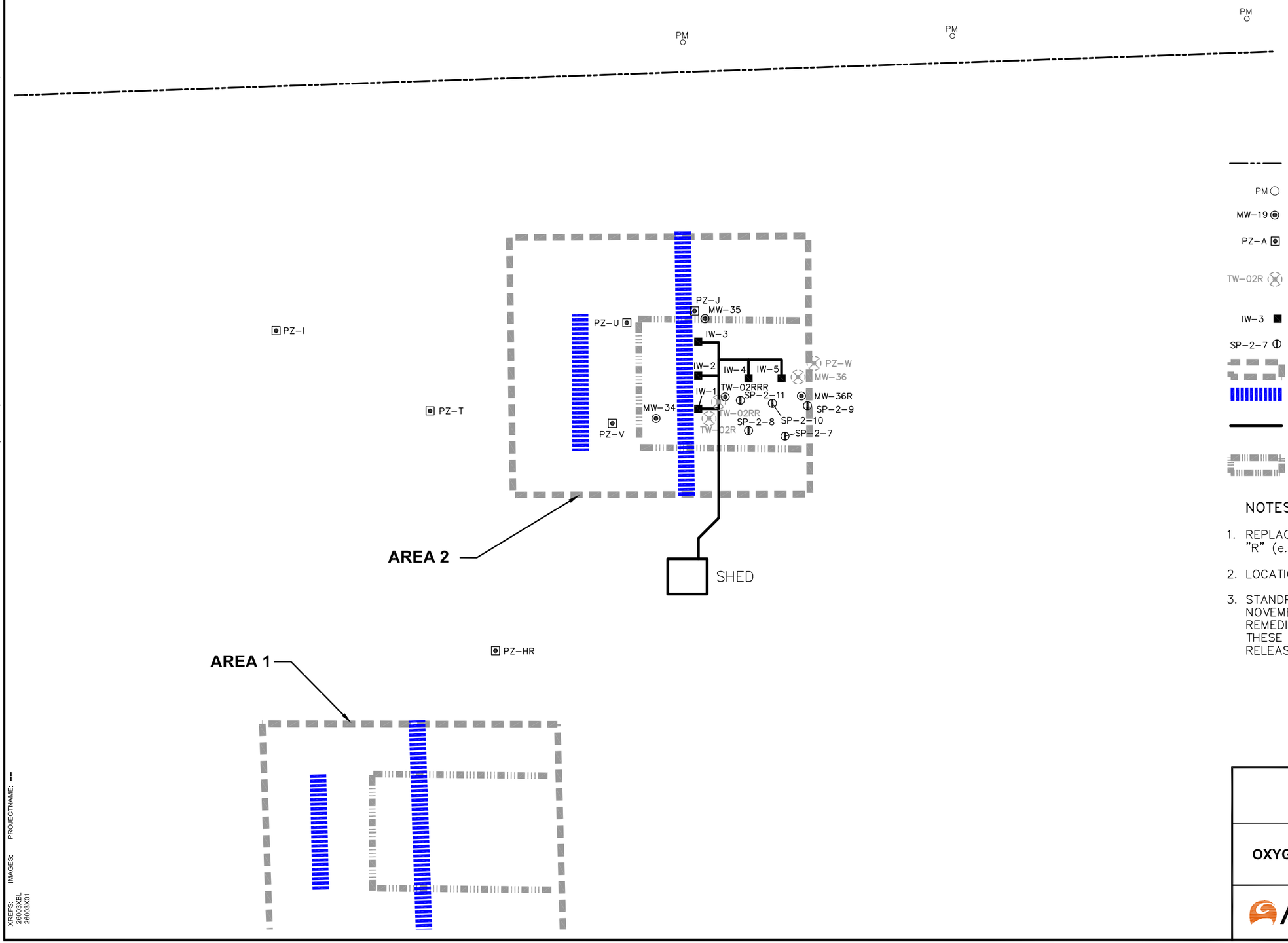
McKESSON ENVIROSYSTEMS
FORMER BEAR STREET FACILITY
SYRACUSE, NEW YORK
PERIODIC REVIEW REPORT

SITE PLAN

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

CITY: SYRACUS,NY DIV/GROUP: ENV/IM-DV DB: LAF, GMS, K SARTORI, R ALLEN LD: PIC: PM: B BYRNES TM: LYR: ON=*;OFF=*REF, |AREA-HIGHER, |TREE
G:\ENV\CAD\SYRACUSE\ACT\B0026003\FY17\00190\DWG\P-R-REPORT26003B13.DWG LAYOUT: 1 SAVED: 9/28/2016 2:39 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/28/2016 2:41 PM BY: ALLEN, ROYCE
XREFS: 26003X01 26003XBL IMAGES: PROJECTNAME: ----



LEGEND:

- PROPERTY LINE
- PM — PETROLEUM PIPE LINE MARKER
- MW-19 — GROUNDWATER MONITORING WELL
- PZ-A — PIEZOMETER
- TW-02R — REMOVED/DECOMMISSIONED GROUNDWATER MONITORING WELL/PIEZOMETER
- IW-3 — OXYGEN INFUSION WELL
- SP-2-7 — STANDPIPE LOCATION
- APPROXIMATE BOUNDARY OF AREA
- GROUNDWATER INFILTRATION TRENCH
- PVC CONDUIT CARRYING OXYGEN GAS TO OXYGEN INFUSION WELLS
- AREA OF HISTORICALLY RELATIVELY HIGHER CONCENTRATION OF CONSTITUENTS OF CONCERN

NOTES:

1. REPLACED MONITORING WELLS IDENTIFIED WITH AN "R" (e.g., MW-24DR).
2. LOCATIONS ARE APPROXIMATE.
3. STANDPIPES WERE INSTALLED IN AREA 2 IN NOVEMBER 2010 AS PART OF THE SUPPLEMENTAL REMEDIAL ACTIVITIES FOR OPERABLE UNIT 2. THESE STANDPIPES WERE USED FOR OXYGEN RELEASE COMPOUND© AMENDMENTS TO AREA 2.

0 30' 60'

GRAPHIC SCALE

McKESSON ENVIROSYSTEMS
FORMER BEAR STREET FACILITY
SYRACUSE, NEW YORK

PERIODIC REVIEW REPORT

OXYGEN INFUSION SYSTEM LAYOUT AREA 2

ARCADIS Design & Consultancy for natural and built assets

FIGURE **2**

CITY:SYRACUSE,NY DIV/GROUP:ENV/IM-DV DB: N. SMITHGALL, R. BASSETT, R. ALLEN PM/TM: D. PENNIMAN TR: C. SOBOL LYR: ON=*;OFF=*REF*,(FRZ)
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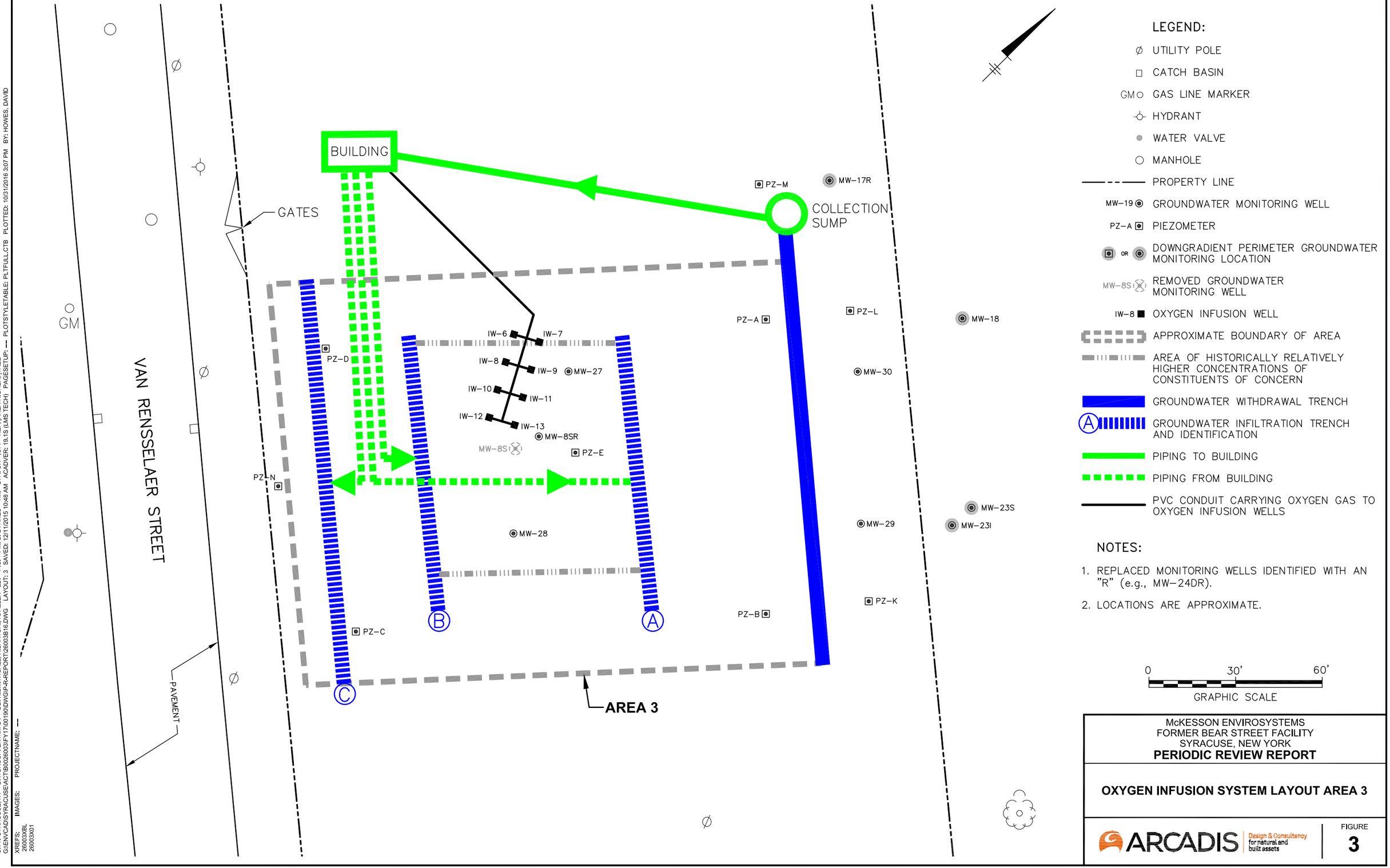
26003XBL
26003X01



LEGEND:

- UTILITY POLE
- CATCH BASIN
- GM GAS LINE MARKER
- HYDRANT
- WATER VALVE
- MANHOLE
- PROPERTY LINE
- MW-19 GROUNDWATER MONITORING WELL
- PZ-A PIEZOMETER
- OR DOWNGRADIENT PERIMETER GROUNDWATER MONITORING LOCATION
- MW-8S REMOVED GROUNDWATER MONITORING WELL
- IW-8 OXYGEN INFUSION WELL
- APPROXIMATE BOUNDARY OF AREA
- AREA OF HISTORICALLY RELATIVELY HIGHER CONCENTRATIONS OF CONSTITUENTS OF CONCERN
- GROUNDWATER WITHDRAWAL TRENCH
- A GROUNDWATER INFILTRATION TRENCH AND IDENTIFICATION
- PIPING TO BUILDING
- PIPING FROM BUILDING
- PVC CONDUIT CARRYING OXYGEN GAS TO OXYGEN INFUSION WELLS

NOTES:

1. REPLACED MONITORING WELLS IDENTIFIED WITH AN "R" (e.g., MW-24DR).
2. LOCATIONS ARE APPROXIMATE.

0 30' 60'

GRAPHIC SCALE

McKESSON ENVIROSYSTEMS
FORMER BEAR STREET FACILITY
SYRACUSE, NEW YORK
PERIODIC REVIEW REPORT

OXYGEN INFUSION SYSTEM LAYOUT AREA 3

ARCADIS Design & Consultancy for natural and built assets

FIGURE
3

CITY: SYRACUSE, NY DIV/GROUP: ENV/IM+DV DB: N.SMITHGALL, K.SARTORI, R. ALLEN LD: PIC: PM: B. BYRNES TM: LYR: ON=*;OFF=*REF; |AREA+HIGHER, |TREE
G:\ENVCAD\SYRACUSE\ACTIB0026003\FY17\00190\DWG\P-R-REPORT\26003B16.DWG LAYOUT: 3 SAVED: 12/11/2015 10:48 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 10/31/2016 3:07 PM BY: HOWES, DAVID
XREFS: 26003XBL 26003X01 IMAGES: PROJECTNAME: ---

LEGEND:

- UTILITY POLE
- CATCH BASIN
- PETROLEUM PIPE LINE MARKER
- GAS LINE MARKER
- SEWER VENT
- HYDRANT
- WATER VALVE
- MANHOLE
- EDGE OF BARGE CANAL
- PROPERTY LINE
- MW-11S — GROUNDWATER MONITORING WELL
- OR — DOWNGRADIENT PERIMETER GROUNDWATER MONITORING LOCATION
- P□-A — PIEZOMETER
- APPROXIMATE BOUNDARY OF AREA
- AREA OF HISTORICALLY RELATIVELY HIGHER CONCENTRATIONS OF CONSTITUENTS OF CONCERN
- GROUNDWATER WITHDRAWAL TRENCH (INACTIVE)
- GROUNDWATER INFILTRATION TRENCH AND IDENTIFICATION (INACTIVE)
- PIPING TO BUILDING
- PIPING FROM BUILDING
- (365.29) — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (AMSL)
- 361.0 — GROUNDWATER ELEVATION CONTOUR (FEET AMSL) DASHED WHERE INFERRED

NOTES:

1. ONLY THE HYDRAULIC MONITORING LOCATIONS USED TO DRAW THIS MAP ARE SHOWN.
2. REPLACED MONITORING WELLS AND PIEZOMETERS ARE IDENTIFIED WITH AN "R" (e.g., MW–24DR).
3. ELEVATIONS REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
4. THE BARGE CANAL ELEVATION WAS MEASURED FROM A MARKED POINT ON THE BEAR STREET BRIDGE.
5. CONTOUR INTERVAL = 1 FOOT.

0 100' 200'

GRAPHIC SCALE

McKESSON ENVIROSYSTEMS
FORMER BEAR STREET FACILITY
SYRACUSE, NEW YORK
PERIODIC REVIEW REPORT

POTENTIOMETRIC SURFACE OF THE SHALLOW HYDROGEOLOGIC UNIT SAND LAYER JULY 8, 2016

ARCADIS Design & Consultancy for natural and built assets

FIGURE 4

TW-02RRR

Date	4/5/2011	10/27/2011	12/15/2011	4/12/2012	10/5/2012	4/8/2013	7/25/2013	10/24/13	1/24/2014	4/17/2014	10/21/2014	3/31/2015	7/5/2016
Acetone	<10 [<10]	<10 [<10]	NA	15 J [13 J]	<10 [<10]	<10 [<10]	<10 [<10]	<10 [<10]	<10 J [<10 J]	8.0 J [10]	<10 J [<10 J]	<10 [<10]	<5.0 [<5.0]
Benzene	2.1 [2.0]	1.2 [1.1]	NA	1.6 [1.5]	1.1 J [0.98 J]	1.4 [1.3]	0.91 J [0.91 J]	0.60 J [0.60 J]	1.1 [1.1]	1.2 [1.2]	1.3 [0.88 J]	1.1 [0.99 J]	0.68 J [0.70 J]
Ethylbenzene	1.2 [1.3]	0.67 J [0.69 J]	NA	0.73 J [0.76 J]	0.29 J [0.27 J]	0.60 J [0.64 J]	0.25 J [0.26 J]	<1.0 [0.15 J]	0.27 J [0.33 J]	0.51 J [0.44 J]	0.18 J [0.12 J]	0.31 J [0.43 J]	<1.0 [<1.0]
Methylene Chloride	<1.0 [<1.0]	<1.0 [<1.0]	NA	<0.18 [<0.18]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]
Toluene	0.74 J [0.75 J]	0.53 J [0.48 J]	NA	0.51 J [0.48 J]	0.26 J [0.27 J]	0.36 J [0.38 J]	<1.0 [<1.0]	0.20 J [0.17 J]	<1.0 [<1.0]	0.18 J [0.17 J]	0.42 J [0.26 J]	<1.0 [<1.0]	<1.0 [<1.0]
Trichloroethene	<1.0 [<1.0]	<1.0 [<1.0]	NA	<0.090 [<0.090]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 J [14 J]	0.15 J [0.11 J]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]
Xylenes (total)	5.2 [5.3]	1.5 J [1.4 J]	NA	1.6 J [1.6 J]	0.91 J [0.89 J]	1.5 J [1.5 J]	0.72 J [0.70 J]	<3.0 [<3.0]	0.69 J [0.77 J]	1.0 J [0.96 J]	1.2 J [0.46 J]	0.81 J [0.75 J]	0.43 J [0.49 J]
Aniline	1.9 J [2.1 J]	1300 D [1500 D]	1400	1400 J [1600 J]	<5.2 [3.2 J]	620 [700]	150 [170]	90 [72]	660 [750 D]	1300 J [1700 J]	3.8 J [3.1 J]	170 [150]	<10 [<10]
N,N-Dimethylaniline	3.4 [3.3]	5.5 [6.2]	NA	<2.2 J [<2.2 J]	2.2 [1.9]	3.5 J [3.4 J]	1.7 [1.8]	2.1 [1.4]	1.8 J [3.7]	2.8 J [3.5 J]	2.8 [2.4]	2.2 [1.7]	1.4 [<1.0 U]
Methanol	<500 [<500]	<500 [<500]	NA	<500 [<500]	NA	<1000 [<1000]	<1000 [<1000]	<500 [<500]	<500 [<500]	<500 [<500]	<500 [<500]	<500 [<500]	<1000 [<1000]

MW-35

Date	4/5/2011	10/26/2011	4/11/2012	10/4/2012	4/4/2013	7/24/2013	10/23/13	1/23/2014	4/16/2014	10/21/2014	4/1/2015	7/5/2016
Acetone	<10	<10	14 J	<36 B	<10	4.2 J	<10	<10 J	<10 J	<10 J	<10	<5.0
Benzene	<1.0	<1.0	<0.080	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<1.0	<0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.44 J	<1.0
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.0
Aniline	<5.6	<5.1	<1.8	<5.0	<5.1	<1.0 J	<5.2 J	<10	<10	<10	<10	<10
N,N-Dimethylaniline	<1.1	<1.0	<0.21	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0
Methanol	<500	<500	<500	NA	470 J	<1000	<500	<500	<500	<500	<500	<1000

MW-34

Date	4/5/2011	10/26/2011	4/12/2012	10/4/2012	4/8/2013	7/26/2013	10/24/13	1/24/2014	4/17/2014	10/21/2014	3/31/2015	7/5/2016
Acetone	16	350	37 J	61	26 J	32	15	15 J	57	31 J	32	22
Benzene	1.7	1.2	1.3	1.6	1.3	1.3	1.2	0.91 J	1.4	1.4	1.5	1.6
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	0.11 J	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	0.74 J	0.71 J	0.59 J	0.78 J	0.60 J	0.66 J	0.69 J	0.44 J	0.62 J	0.75 J	0.94 J	0.75 J
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	0.13 J	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	2.0 J	0.90 J	1.4 J	2.2 J	2.3 J	2.0 J	2.2 J	1.3 J	3.6	1.9 J	3.3	3.5
Aniline	10	<5.6	2.1 J	<5.2	<4.8	0.56 J	<5.0	<10	2.6 J	0.77 J	<10	0.95 J
N,N-Dimethylaniline	2.7	2.5	2.4	2.7	1.7	0.92 J	1.3	1.9	1.6	1.9	2.7	2.0
Methanol	<500	<500	<500	NA	<1000	NA	<500	<500	<500	<500	<500	<1000

MW-36R

Date	4/5/2011	10/26/2011	12/15/2011	4/12/2012	10/5/2012	4/8/2013	7/26/2013	10/24/13	1/24/14	4/17/2014	10/21/2014	3/31/2015	7/6/2016
Acetone	<10	<10	NA	6.3 J	<10	<10	<10	<10	<10 J	5.5 J	<10 J	<10	17 J
Benzene	4.3	1.8	NA	1.6	1.5 J	1.8	1.4	1.3	1.2	1.1	0.62 J	0.85 J	0.48 J
Ethylbenzene	<1.0	<1.0	NA	0.16 J	<1.0	0.14 J	0.11 J	<1.0	<1.0	0.12 J	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	NA	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	0.95 J	0.66 J	NA	0.45 J	0.54 J	0.53 J	0.46 J	0.45 J	0.42 J	0.42 J	0.32 J	0.42 J	0.41 J
Trichloroethene	<1.0	<1.0	NA	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	4.4	1.4 J	NA	1.9 J	2.2 J	2.9 J	1.7 J	1.7 J	1.4 J	1.6 J	0.60 J	0.88 J	0.46 J
Aniline	310	92	120	150	10	150	97	110	180	140	74	25	7.9 J
N,N-Dimethylaniline	4.0	3.6	NA	4.1	3.1	4.0	2.0	1.9	4.1	3.4	3.3	3.8	3.4
Methanol	NA	NA	NA	NA	NA	NA	<1000	NA	NA	NA	NA	NA	NA

MW-4S

Date	4/11/2012	7/24/2013	4/16/2014	4/1/2015	7/6/2016
Acetone	<2.7	<10	<10	<10	<5.0
Benzene	<0.080	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<0.10	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<0.18	<1.0	<1.0	<1.0	<1.0
Toluene	<0.15	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<0.090	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<0.36	<3.0	<3.0	<3.0	<2.0
Aniline	<1.8	<1.0	<10	<10	<10
N,N-Dimethylaniline	<0.21	<1.0	<1.0	<1.0	<1.0
Methanol	NA	NA	NA	NA	NA

TW-01

Date	4/4/2011	10/25/2011	4/11/2012	10/4/2012	4/4/2013	7/25/2013	10/23/13	1/23/14	4/17/2014	10/22/2014	3/31/2015	7/5/2016
Acetone	<10	<10	<2.7	<10	<10	<10	<10	<10 J	<10	<10 J	<10 J	<5.0
Benzene	0.21 J	<1.0	0.11 J	<1.0	0.090 J	0.11 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<1.0	<0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0 J	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	0.19 J	<3.0	<2.0
Aniline	<5.3	<5.6	<1.8	<5.2	<5.2	<1.0	<5.0	<10	<10	<10	<11	<10
N,N-Dimethylaniline	<1.1	1.6	1.7	1.9	0.98 J	1.0	1.1	0.98 J	1.3	1.4	1.1	<1.0
Methanol	<500	<500	<500	NA	<1000	<1000	<500	<500	<500	<500	<500	<1000

MW-3S

Date	4/6/2011	10/27/2011	4/11/2012	10/4/2012	4/4/2013	7/24/2013	10/23/13	1/22/14	4/15/2014	10/21/2014	4/2/2015	7/7/2016
Acetone	<10	<10	<2.7	<10	<10	<10	<10	<10 J	<10	<10 J	<10	<5.0
Benzene	<1.0	<1.0	<0.080	0.27 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	0.35 J	<0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.0
Aniline	<5.3 J	<5.0	<1.8	<5.0	<5.2	<1.0	<5.0	<10	<10	<10	<10	<10
N,N-Dimethylaniline	<1.1 J	<1.0	<0.21	0.61 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methanol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-33

Date	4/5/2011	10/26/2011	4/11/2012	10/5/2012	4/4/2013	7/24/2013	10/23/13	1/23/14	4/17/2014	10/22/2014	4/1/2015	7/6/2016
Acetone	<10	<10	<2.7	<10	<10	<10	<10	<10 J	<10	<10 J	<10	<5.0
Benzene	0.79 J	0.58 J	0.11 J	0.33 J	1.1	0.46 J	1.1	0.69 J	1.1	0.45 J	0.57 J	<1.0
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	0.12 J	<0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.0
Aniline	<5.3	<5.3	<1.8	<5.1	<4.8 J	<1.0	<5.0	<10	0.32 J	<10	<11	<10
N,N-Dimethylaniline	1.9	1.9	1.3	2.1 J	2.1 J	0.96 J	0.69 J	1.7	2.3	1.3	2.2	1.1
Methanol	NA	NA	NA	NA	NA	<1000	NA	NA	NA	NA	NA	NA

MW-9S

Date	4/5/2011	10/25/2011	4/12/2012	10/5/2012	4/8/2013	7/26/2013	10/25/2013	1/24/14	4/18/2014	10/22/2014	4/1/2015	7/6/2016
Acetone	<10	<10	7.5 J	<10	12 J	<10	<5.0	<10 J	<10	<10 J	<10	<5.0
Benzene	0.91 J	1.2	1.1	1.9 J	0.95 J	1.9	2.9	1.1	1.0	1.5	1.4	1.3
Ethylbenzene	29	4.2	18	4.7	19	12	10	13	19	8.8	22	13
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	2.6	1.8	1.5	3.2	1.6	2.0	2.6	1.6	2.2	2.2	2.5	1.9
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.82 J	<1.0	<1.0
Xylenes (total)	89	41 J	67	84	62	45	60	54	74	72	79	50
Aniline	<5.3	<5.0	<1.9	<5.0	<5.1	<1.0	<5.0	<10	<10	<10	<11	0.66 J
N,N-Dimethylaniline	5.4	7.6	6.3	3.9	5.9	2.0	5.2	7.2	5.7	5.9	6.5	2.7
Methanol	<500	<500	<500	NA	<1000	<1000	<500	<500	<500	<500	<500	<1000

MW-32

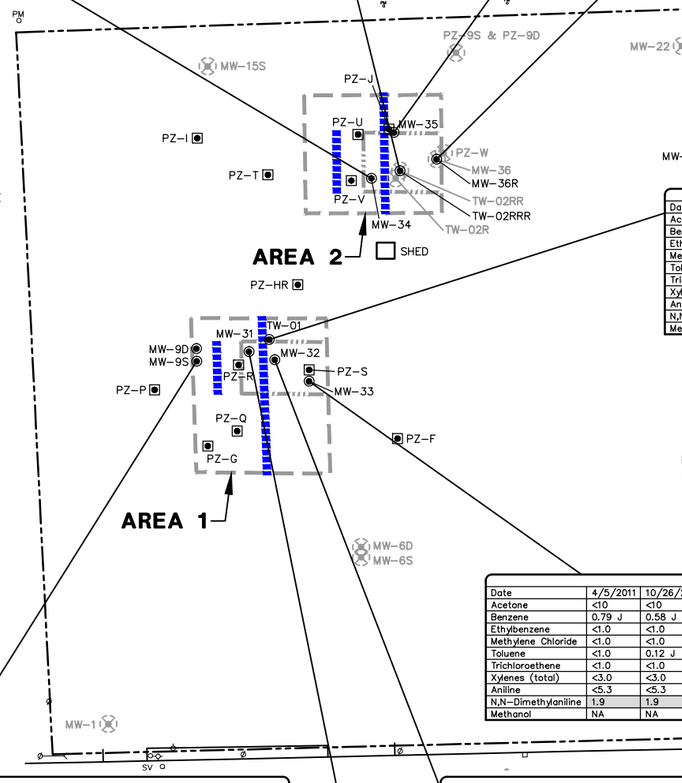
Date	4/4/2011	10/25/2011	4/11/2012	10/5/2012	4/5/2013	7/25/2013	10/23/13	1/23/14	4/17/2014	10/21/2014	3/31/2015	7/5/2016
Acetone	<10	<10	<2.7	<10	<10	<10	<10	<10 J	<10	<10 J	<10	<5.0
Benzene	<1.0	<1.0	<0.080	<1.0 J	0.098 J	<1.0	<1.0	<1.0	<1.0	0.10 J	<1.0	<1.0
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	0.19 J	<0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.20 J	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0 J	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.0
Aniline	<5.3	<5.0	<1.8	<5.1	<5.1	<1.0	<5.0	<10	<10	<10	<11	<10
N,N-Dimethylaniline	<1.1	1.5	1.1	2.2	0.91 J	0.82 J	1.2	0.85 J	1.1	1.5	1.1	<1.0
Methanol	<500	<500	<500	NA	<1000	<1000	<500	<500	<500	<500	<500	<1000

MW-31

Date	4/5/2011	10/25/2011	4/12/2012	10/5/2012	4/5/2013	7/25/2013	10/24/13	1/24/14	4/17/2014	10/23/2014	3/31/2015	7/6/2016
Acetone	<10	<10	6.5 J	<10	<10	<10	<10	<10 J	<10	7.1 J	<10 J	13 J
Benzene	8.3	5.7	6.8	6.3 J	12	11	11	8.2	7.5	6.5	9.1	9.6
Ethylbenzene	<1.0	<1.0	0.16 J	0.16 J	0.21 J	<1.0	0.15 J	<1.0	0.22 J	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	0.77 J	0.62 J	0.65 J	0.44 J	1.3	1.2	1.4	1.2	0.93 J	1.4	1.3	1.1
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	2.5 J	1.5 J	2.7 J	2.3 J	5.6	5.1	6.1	6.3	4.6	4.5	8.9	4.8
Aniline	<5.3	<5.0	<1.9	<5.0	<5.2	0.72 J	<5.2	<10	0.75 J	1.1 J	0.52 J	<10
N,N-Dimethylaniline	2.3	3.5	2.1	0.90 J	1.1	1.6	2.2	2.2	1.9	2.2	1.6	1.3
Methanol	<500	<500	<500	NA	<1000	<1000	<500	NA	<500	<500	<500	<1000

NOTES:

1. REPLACED MONITORING WELLS ARE IDENTIFIED WITH AN "R" (E.G., MW-24DR).
2. TRENCH LOCATIONS ARE APPROXIMATE.
3. MONITORING LOCATIONS ARE APPROXIMATE.
4. FIGURE ONLY SHOWS CONSTITUENT OF CONCERN (COC) CONCENTRATIONS AT MONITORING LOCATIONS WITHIN THE IMPACTED AREAS AND THE COC PROCESS CONTROL MONITORING LOCATIONS.
5. ONLY COCS WITH CURRENT OR PAST DETECTIONS ARE PRESENTED ON THIS FIGURE.
6. < = COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. THE ASSOCIATED VALUE IS THE COMPOUND QUANTITATION LIMIT.
7. NA = COMPOUND WAS NOT ANALYZED FOR IN THE SAMPLE.
8. J = THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY.
9. D = CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS.
10. B = COMPOUND FOUND IN ASSOCIATED METHOD BLANK.
11. SAMPLE DATA ARE COMPARED TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) GROUNDWATER QUALITY STANDARDS (GQS) (TECHNICAL AND OPERATIONAL GUIDANCE SERIES 1.1.1).
12. NS = GQS NOT AVAILABLE.
13. RESULTS FOR DUPLICATE SAMPLES ARE SHOWN IN BRACKETS NEXT TO PARENT SAMPLE RESULTS.
14. PPB = PARTS PER BILLION.
15. RESULTS FOLLOWING THE APRIL 2013 SAMPLING EVENT REFLECT GROUNDWATER QUALITY CONDITIONS AFTER SHUTDOWN OF THE IN-SITU BIOREMEDIATION TREATMENT AND CLOSED LOOP HYDRAULIC SYSTEMS.
16. * = NEW YORK STATE DEPARTMENT OF HEALTH DRINKING WATER STANDARD (i.e., MAXIMUM CONTAMINANT LEVEL) FOR AN "UNSPECIFIED ORGANIC CONTAMINANT" (NYCRR TITLE 10, PART 5, SUBPART 5-1).



LEGEND:

- UTILITY POLE
- CATCH BASIN
- PETROLEUM PIPELINE MARKER
- GAS LINE MARKER
- SEWER VENT
- HYDRANT
- WATER VALVE
- MANHOLE
- PROPERTY LINE
- TW-02RRR — GROUNDWATER MONITORING WELL
- PZ-A — PIEZOMETER
- TW-02R — REMOVED/DECOMMISSIONED GROUNDWATER MONITORING WELL/PIEZOMETER
- APPROXIMATE BOUNDARY OF AREA
- GROUNDWATER INFILTRATION TRENCH
- AREA OF HISTORICALLY RELATIVELY HIGHER CONCENTRATION OF COCs

SAMPLE IDENTIFICATION

DETECTIONS EXCEEDING NYSDEC GQS ARE INDICATED BY SHADING.

MW-##	Sep-06	Nov-06	Jun-07
Date			
Acetone	NA	130 J	33
Benzene	NA	3.6	4.6
Ethylbenzene	NA	<4.0	0.80 J
Methylene Chloride	NA	<3.0	<3.0
Toluene	NA	1.2 J	1.4 J
Trichloroethene	NA	<1.0	<1.0
Xylenes (total)	NA	1.1 J	5
Aniline	3.5	420	1300
N,N-Dimethylaniline	1.2	1.7 J	<10
Methanol	NA	<500	<500

NYSDEC GQS (ppb)	
Acetone	50
Benzene	1
Ethylbenzene	5
Methylene Chloride	5
Toluene	5
Trichloroethene	5
Xylenes (total)	5
Aniline	5
N,N-dimethylaniline	1
Methanol	50*

CONCENTRATION (ppb)

0 100' 200'

GRAPHIC SCALE

McKESSON ENVIROSYSTEMS
FORMER BEAR STREET FACILITY
SYRACUSE, NEW YORK
PERIODIC REVIEW REPORT

GROUNDWATER MONITORING DATA SUMMARY FOR APRIL 2011 - JULY 2016 AREAS 1 & 2

ARCADIS Design & Consultancy for natural and built assets

FIGURE **5**

MW-27

Date	4/7/2011	10/26/2011	4/12/2012	10/4/2012	4/5/2013	7/24/2013	10/23/13	1/23/2014	4/16/2014	10/23/2014	4/1/2015	7/7/2016
Acetone	3.9 J	<10	<2.7 J	<10	<10	<10	<10 J	<10	<10	<10	<10	7.5 J
Benzene	3.1	2.1	1.5	1.1	1.1	2.0	2.6	0.89 J	1.0	2.0	2.4	1.2
Ethylbenzene	5.1	2.2	1.4	<1.0	0.88 J	<1.0	<1.0	<1.0	<1.0	0.12 J	0.98 J	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	5.7	1.3	0.45 J	0.22 J	0.34 J	0.60 J	0.75 J	0.33 J	0.41 J	1.2	1.9	0.43 J
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	9.1	3.1	2.2 J	<3.0	1.4 J	<3.0	3.9	0.22 J	0.92 J	3.5	9.5	2.4
Aniline	1000	36	<1.9	<5.0	11	1.5	<5.0	<12	0.60 J	16	20	2.4 J
N,N-Dimethylaniline	<11	2.7	2.7	2.2	2.4	1.1	0.73 J	0.75 J	0.48 J	1.4	1.0 J	1.2
Methanol	NA	NA	NA	NA	NA	<1000	NA	NA	NA	NA	NA	NA

PZ-4S

Date	4/7/2011	4/10/2012	4/2/2013	7/22/2013	1/20/2014	10/23/2014	4/1/2015	7/6/2016
Acetone	<10 J	<2.7	<10	<10	<10 J	<10	<10	<5.0
Benzene	<1.0	<0.080	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<2.0
Aniline	<5.3	<1.8	<5.2	<1.0	<10	<11	<10 J	<10
N,N-Dimethylaniline	<1.1	<0.21	<1.0	<1.0	<1.0	<1.1	<1.0 J	<1.0
Methanol	NA	NA	NA	NA	NA	NA	NA	NA

PZ-4D

Date	4/7/2011	4/10/2012	4/2/2013	7/22/2013	10/22/13	1/20/2014	4/16/2014	10/22/2014	4/2/2015	7/6/2016
Acetone	<10	<2.7	<10	<10	<10	<10 J	<10	<10	<10	<5.0
Benzene	<1.0	<0.080	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	0.23 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.0
Aniline	<5.3	<1.8	<4.8	<1.0	<5.2	<10	<10	<10	<10	<10
N,N-Dimethylaniline	<1.1	<0.21	<0.95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methanol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-17R

Date	4/6/2011	10/25/2011	4/10/2012	10/3/2012	4/3/2013	7/23/2013	10/22/13	1/22/2014	4/15/2014	10/23/2014	4/2/2015	7/6/2016
Acetone	<10	<10	<2.7	<10	<10	<10	<10	<10 J	<10	<10	<10	<5.0
Benzene	<1.0	<1.0	0.22 J	0.55 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	0.19 J	<0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0 J	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.0
Aniline	<5.3 J	<5.0	<1.8	<5.1	<5.1	<1.2	<5.4	<10	<10	<10	<10	<10
N,N-Dimethylaniline	<1.1 J	<1.0	<0.21	<1.0	<1.0	<1.2	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0
Methanol	<500	<500	<500	NA	<1000	<1000	<500	<500	2700	<500	<500	<1000

MW-18

Date	4/7/2011	10/25/2011	4/10/2012	10/3/2012	4/3/2013	7/23/2013	10/22/13	1/20/2014	4/15/2014	10/22/2014	4/3/2015	7/7/2016
Acetone	<10 J	<10	<2.7	<10	<10	<10	<10	<10 J	<10	<10	<10	<5.0
Benzene	<1.0	<1.0	<0.080	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	0.23 J	0.27 J	<1.0	0.60 J	0.25 J	0.19 J	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0 J	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.0
Aniline	<5.3	<5.0	<1.8	<5.2	<4.8	<1.0	<5.4	<10	<10	<10	<10	<10
N,N-Dimethylaniline	<1.1	<1.0	<0.21	<1.0	<0.95	<1.0	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0
Methanol	<500	<500	<500	NA	<1000	<1000	<500	<500	<500	<500	<500	<1000

MW-30

Date	4/6/2011	10/25/2011	4/10/2012	10/4/2012	4/4/2013	7/24/2013	10/22/13	1/22/2014	4/15/2014	10/23/2014	4/2/2015	7/7/2016
Acetone	<10	<10	<2.7	<10	<10	<10	<10	<10 J	<10	<10	<10	<5.0
Benzene	<1.0	<1.0	<0.080	0.099 J	<1.0	0.20 J	0.29 J	0.19 J	0.37 J	0.18 J	0.24 J	0.78 J
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	0.18 J	<0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0 J	<0.36	<3.0	<3.0	<3.0	<3.0	0.14 J	<3.0	0.15 J	<3.0	<2.0
Aniline	<5.3 J	<5.0	<1.8	<5.3	<5.2	<1.0	<5.2	<11	<10	<10	<11	<10
N,N-Dimethylaniline	<1.1 J	<1.0	<0.21	<1.1	<1.0	0.30 J	0.85 J	<1.1	0.43 J	1.5	2.0	<1.0
Methanol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-23S

Date	4/7/2011	10/26/2011	4/10/2012	10/2/2012	4/3/2013	7/23/2013	10/21/13	1/20/2014	4/14/2014	10/22/2014	4/3/2015	7/7/2016
Acetone	<10 J	<10	<2.7	<10	<10	<10	<10	<10 J	<10	<10	<10	<5.0
Benzene	<1.0	<1.0	<0.080	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	0.31 J	<0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.0
Aniline	<5.3	<5.0	<1.8	<5.1	<5.1	<1.0	<5.2	<10	<10	<10	<10	<10
N,N-Dimethylaniline	<1.1	<1.0	<0.21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methanol	<500	<500	<500	NA	<1000	<1000	<500	<500	<500	<500 J	<500	<1000

MW-28

Date	4/7/2011	10/26/2011	4/11/2012	10/4/2012	4/5/2013	7/24/2013	10/23/13	1/23/2014	4/16/2014	10/23/2014	4/2/2015	7/7/2016
Acetone	4.3 J	<10	<2.7	<10	<10	<10	<10	<10 J	13	51	7.6 J	<5.0
Benzene	2.3	1.8	1.4	1.9	1.7	1.7	1.7	1.2	1.7	1.3	1.6	1.1
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0 B	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.41 J	<1.0	<1.0
Toluene	0.11 J	0.38 J	0.22 J	0.16 J	<1.0	0.22 J	0.49 J	0.22 J	0.29 J	1.1	0.39 J	0.41 J
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0	<0.36	<3.0	<3.0	0.68 J	<3.0	<3.0	0.90 J	0.75 J	0.50 J	
Aniline	3.9 J	<5.0	<1.8	<5.0	<5.2	<1.0	<5.0	<10	<10	1.2 J	1.2 J	0.94 J
N,N-Dimethylaniline	0.75 J	<1.0	0.48 J	0.62 J	0.32 J	0.35 J	0.70 J	0.75 J	0.72 J	1.3	1.3	<1.0
Methanol	<500	<500	<500	NA	410 J	<1000	<500	<500	<500	<500	<500	<1000

MW-23I

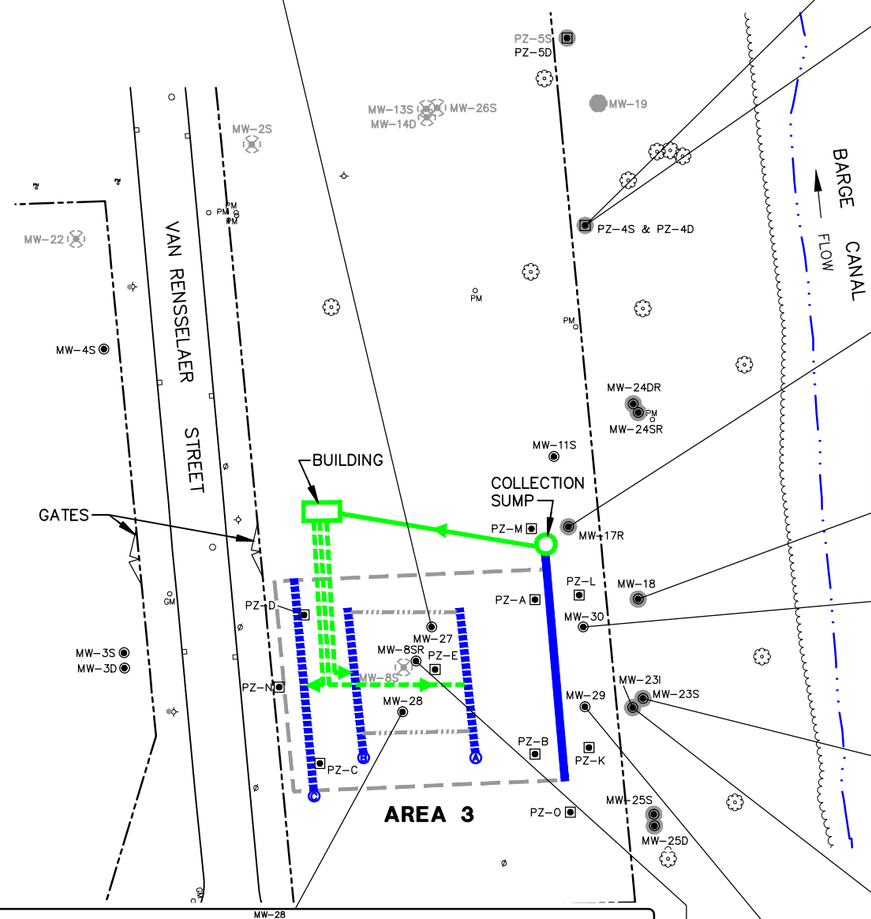
Date	4/7/2011	10/26/2011	4/10/2012	10/2/2012	4/3/2013	7/23/2013	10/21/13	1/20/2014	4/14/2014	10/22/2014	4/3/2015	7/7/2016
Acetone	<10 J	<10	<2.7	<10	<10	<10	<10	<10 J	<10	<10	<10	<5.0
Benzene	<1.0	<1.0	<0.080	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	0.29 J	<0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.0
Aniline	<5.3	<5.0	<1.8	<5.6	<4.8	<1.0	<5.0	<10	<10	<10	<10	<10
N,N-Dimethylaniline	<1.1	<1.0	<0.21	<1.1	<0.95	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methanol	<500	<500	<500	NA	<1000	<1000	<500	<500	<500	<500	<500	<1000

MW-8SR

Date	4/7/2011	10/26/2011	4/12/2012	10/4/2012	4/5/2013	7/25/2013	10/24/13	1/24/2014	4/16/2014	10/23/2014	4/2/2015	7/7/2016
Acetone	5.9 J [4.3 J]	<10 [<10]	8.7 J [6.7 J]	<10 [<10]	<10 [<10]	5.1 J [8.7 J]	<10	<10 J [<10 J]	<10 [<10]	18 J [38 J]	15 [8.4 J]	<5.0 [12 J]
Benzene	3.2 [3.2]	1.9 [2.0]	1.2 [1.7]	0.69 J [0.70 J]	1.1 [1.1]	1.9 [1.8]	2.9	2.4 [2.6]	3.2 [3.3]	1.7 [1.9]	3.5 [3.7]	1.7 [1.6]
Ethylbenzene	10 [8.8]	2.0 [2.1]	2.3 [3.3]	0.16 J [0.14 J]	0.32 J [0.28 J]	0.17 J [0.18 J]	0.21 J	0.19 J [<1.0]	0.25 J [0.27 J]	0.16 J [0.18 J]	<1.0 [0.36 J]	<1.0 [<1.0]
Methylene Chloride	<1.0 [<1.0]	<1.0 [<1.0]	<0.18 [<0.18]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0	<1.0 [<1.0]	<1.0 [<1.0]	0.27 J [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]
Toluene	2.8 [2.6]	1.3 [1.3]	0.76 J [1.2]	0.36 J [0.39 J]	0.67 J [0.68 J]	1.0 [0.96 J]	1.3	0.94 J [1.1]	1.2 [1.1]	1.2 [1.3]	1.3 [1.2]	0.73 J [0.71 J]
Trichloroethene	<1.0 [<1.0]	<1.0 [<1.0]	<0.090 [<0.090]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]
Xylenes (total)	32 [31]	14 [15]	9.5 [15]	1.4 J [1.2 J]	7.7 [8.0]	11 [9.4]	13	11 [13]	13 [13]	5.9 [6.4]	19 [18]	4.6 [4.2]
Aniline	57 J [64]	<5.0 [<5.0]	<1.9 [<1.9]	<5.3 [<5.0]	<5.1 [<5.1]	2.5 [2.5]	2.6 J	5.1 J [<10]	3.9 J [5.6 J]	3.1 J [2.3 J]	2.7 J [3.6 J]	2.0 J [1.4 J]
N,N-Dimethylaniline	1.5 [1.6]	2.6 [<1.0]	2.4 [2.6]	2.3 [2.7]	1.7 [1.4]	0.89 J [0.96 J]	0.83 J	2.0 [1.7]	1.4 [1.9]	1.8 [1.3]	2.6 [2.7]	1.1 [1.0 J]
Methanol	NA	NA	NA	NA	NA	<1000 [<1000]	NA	NA	NA	NA	NA	NA

MW-29

Date	4/6/2011	10/25/2011	4/11/2012	10/3/2012	4/5/2013	7/23/2013	10/22/13	1/22/2014	4/15/2014	10/23/2014	12/3/2014	4/2/2015	7/7/2016
Acetone	<10	<10	<2.7	<10	<10	<10	<10	<10 J	<10	790000	370 J	12	30 J
Benzene	<1.0	<1.0	<0.080	<1.0	<1.0	0.26 J	0.32 J	<1.0	<1.0	<500	<1.0	<1.0	<1.0
Ethylbenzene	<1.0	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
Methylene Chloride	<1.0	<1.0	<0.18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
Toluene	<1.0	0.22 J	<0.15	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<0.090	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<500	<1.0	<1.0	<1.0
Xylenes (total)	<3.0	<3.0 J	<0.36	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1500	<3.0	<3.0	<2.0
Aniline	<5.3 J	<5.0	<1.8	<5.1	<5.1	<1.0	<5.2	<11	<10	<10	NA	<12	<11
N,N-Dimethylaniline	<1.1 J	0.22 J	<0.21	<1.0	<1.0	<1.0	<1.0	<1.1	<1.0	<1.0	NA	0.66 J	<1.1
Methanol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



LEGEND:

- UTILITY POLE
- CATCH BASIN
- PETROLEUM PIPELINE MARKER
- GAS LINE MARKER
- HYDRANT
- WATER VALVE
- MANHOLE
- PROPERTY
- LINE EDGE OF WATER
- EDGE OF TREELINE
- TREE
- MW-19 GROUNDWATER MONITORING WELL
- PZ-A PIEZOMETER
- DOWNGRADIENT PERIMETER GROUNDWATER MONITORING LOCATION
- MW-8S REMOVED/DECOMMISSIONED GROUNDWATER MONITORING WELL/PIEZOMETER
- APPROXIMATE BOUNDARY OF AREA
- GROUNDWATER WITHDRAWAL TRENCH
- GROUNDWATER INFILTRATION TRENCH AND IDENTIFICATION
- PIPING TO BUILDING
- PIPING FROM BUILDING
- AREA OF HISTORICALLY RELATIVELY HIGHER CONCENTRATION OF COCs

NOTES:

1. REPLACED MONITORING WELLS ARE IDENTIFIED WITH AN "R" (e.g., MW-24DR).
2. TRENCH LOCATIONS ARE APPROXIMATE.
3. MONITORING LOCATIONS ARE APPROXIMATE.
4. FIGURE ONLY SHOWS CONSTITUENT OF CONCERN (COC) CONCENTRATIONS AT MONITORING LOCATIONS WITHIN THE IMPACTED AREAS AND THE COC PROCESS CONTROL MONITORING LOCATIONS.
5. ONLY COCs WITH CURRENT OR PAST DETECTIONS ARE PRESENTED ON THIS FIGURE.
6. < = COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. THE ASSOCIATED VALUE IS THE COMPOUND QUANTITATION LIMIT.
7. NA = COMPOUND WAS NOT ANALYZED FOR IN THE SAMPLE.
8. J = THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY.
9. B = COMPOUND WAS FOUND IN ASSOCIATED METHOD BLANK.
10. D = CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS.
11. THE 6/22/10 SAMPLING EVENT WAS AN INTERIM SAMPLING EVENT ANALYZING FOR VOLATILE ORGANIC COMPOUNDS ONLY.
12. SAMPLE DATA ARE COMPARED TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) GROUNDWATER QUALITY STANDARDS (GQS) (TECHNICAL AND OPERATIONAL GUIDANCE SERIES 1.1.1).
13. NS = GQS NOT AVAILABLE.
14. RESULTS FOR DUPLICATE SAMPLES ARE SHOWN IN BRACKETS NEXT TO PARENT SAMPLE RESULTS.
15. ppb = PARTS PER BILLION.
16. RESULTS FOLLOWING THE APRIL 2013 SAMPLING EVENT REFLECT GROUNDWATER QUALITY CONDITIONS AFTER SHUTDOWN OF THE IN-SITU BIOREMEDIATION TREATMENT AND CLOSED LOOP HYDRAULIC SYSTEMS.
17. THE DETECTIONS OF ACETONE AT WELL MW-29 SINCE THE OCTOBER 2014 SAMPLING EVENT ARE ATTRIBUTED TO THE REPAIR OF THE PVC STICK-UP ON JUNE 26, 2014, AND ARE NOT SITE RELATED.
18. * = NEW YORK STATE DEPARTMENT OF HEALTH DRINKING WATER STANDARD (i.e., MAXIMUM CONTAMINANT LEVEL) FOR AN "UNSPECIFIED ORGANIC CONTAMINANT" (NYCRR TITLE 10, PART 5, SUBPART 5-1).

SAMPLE IDENTIFICATION

DETECTIONS EXCEEDING NYSDEC GQS ARE INDICATED BY SHADING.

PZ-##

Date	Jun-06	Jun-07	Mar-08	Mar-09	Apr-10	Jun-10	Apr-11
Acetone	<5.0	<5.0	<5.0	<10	<10	<10	<10
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride	<3.0	<3.0	<3.0	<1.0	5.3 J	<1.0	<1.0
Toluene	0.50 J	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	<5.0	<5.0	<5.0	<3.0	<3.0	<3.0	<3.0
Aniline	<1.0	<5.5	<5.0	<5.0	<5.0	NA	<5.3
N,N-Dimethylaniline	<1.0	<1.1	<0.50	<0.50	<1.0	NA	<1.1
Methanol	<1000	<500	NA	NA	<500	NA	NA

NYSDEC GQS (ppb)	
Acetone	50
Benzene	1
Ethylbenzene	5
Methylene Chloride	5
Toluene	5
Trichloroethene	5
Xylenes (total)	5
Aniline	5
N,N-dimethylaniline	1
Methanol	50*

CONCENTRATION (ppb)

0 100' 200'

GRAPHIC SCALE

McKESSON ENVIROSYSTEMS
FORMER BEAR STREET FACILITY
SYRACUSE, NEW YORK
PERIODIC REVIEW REPORT

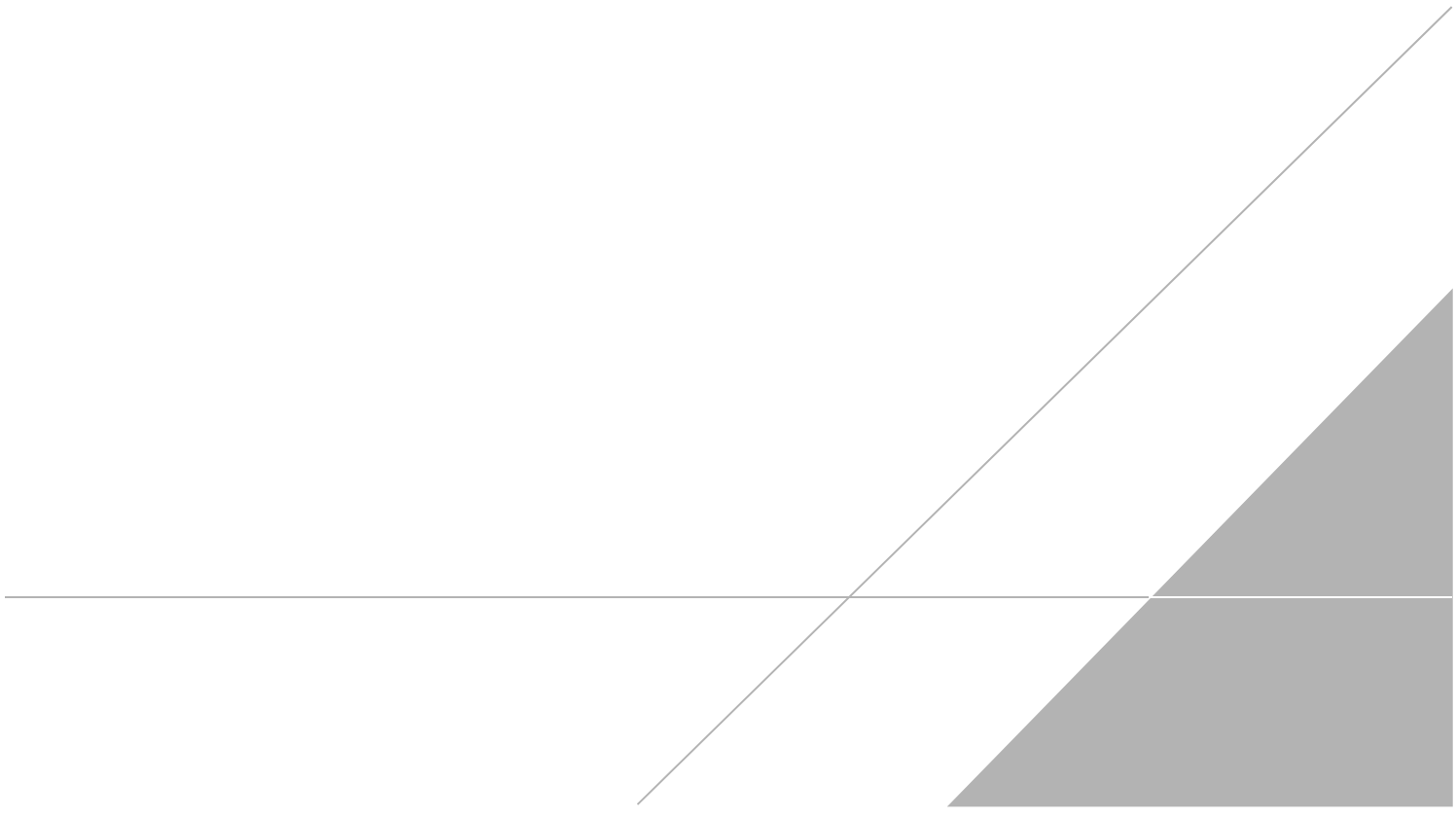
GROUNDWATER MONITORING DATA SUMMARY FOR APRIL 2011 - JULY 2016 AREA 3

ARCADIS Design & Consultancy for natural and built assets

FIGURE 6

ATTACHMENT A

Institutional and Engineering Controls Certification



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 734020

Site Name McKesson Envirosystems (Inland Site)

Site Address: ~~400 Bear Street West~~ 800/801 Van Rensselaer Street Zip Code: 13204
City/Town: Syracuse
County: Onondaga
Site Acreage: 8.6

Reporting Period: October 14, 2015 to October 14, 2016

	YES	NO
1. Is the information above correct?	☐	☒
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 734020

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
029-300-380	McKesson Corp	Monitoring Plan O&M Plan Ground Water Use Restriction Site Management Plan IC/EC Plan Soil Management Plan Landuse Restriction

Deed Restriction was filed with Onondaga County October 3, 2014. The Deed Restriction requires property use to be restricted to: restricted residential, commercial, or industrial; requires certain restrictions on groundwater use; and requires compliance with the Site Management Plan which includes a soils management plan, monitoring plan, IC/EC plan and an Operation and Maintenance plan.

029-300-390	McKesson Corp	Ground Water Use Restriction IC/EC Plan Landuse Restriction Site Management Plan Soil Management Plan Monitoring Plan O&M Plan

Deed Restriction was filed with Onondaga County October 3, 2014. The Deed Restriction requires property use to be limited to restricted residential, commercial, or industrial; includes a groundwater Use restriction; and requires compliance with the Site Management Plan including a soils management plan, a monitoring plan, IC/EC plan and O and M plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
029-300-380	Groundwater Containment Fencing/Access Control
029-300-390	Fencing/Access Control Groundwater Containment

Groundwater Containment is maintained through collection trenches.
Fencing/Access control-A perimeter fence is onsite to restrict access.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 734020

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I James Fleer (print name) at One Post Street, San Francisco, CA (print business address)

am certifying as Owner and Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

11/3/2016
Date

McKesson Envirosystems Site
Reporting Period: October 14, 2015 – October 14, 2016
Syracuse, New York
Site No. 7-34-020

Note regarding Box 2 Question 7

Groundwater Containment

The groundwater containment engineering control was shut down on April 10, 2013 upon approval from the New York State Department of Environmental Conservation (NYSDEC) and a post-shutdown process control monitoring program was implemented. The groundwater containment engineering control is not in effect when the closed loop hydraulic system is shut down.

As stated in NYSDEC's April 11, 2013 letter (NYSDEC 2013), the purpose of the post-shutdown process control monitoring program was to determine the continued effectiveness of the remedial action and to evaluate the need to re-start the remedial processes (i.e., the in-situ bioremediation treatment and closed loop hydraulic systems). There is no need to re-start the remedial processes and the NYSDEC identified that the systems may remain shut down and be decommissioned (NYSDEC 2015).

References

NYSDEC. 2013. Letter from Payson Long, NYSDEC, to Jean Mescher, McKesson Corporation. RE: Discontinuation of Remedial Processes. April 11.

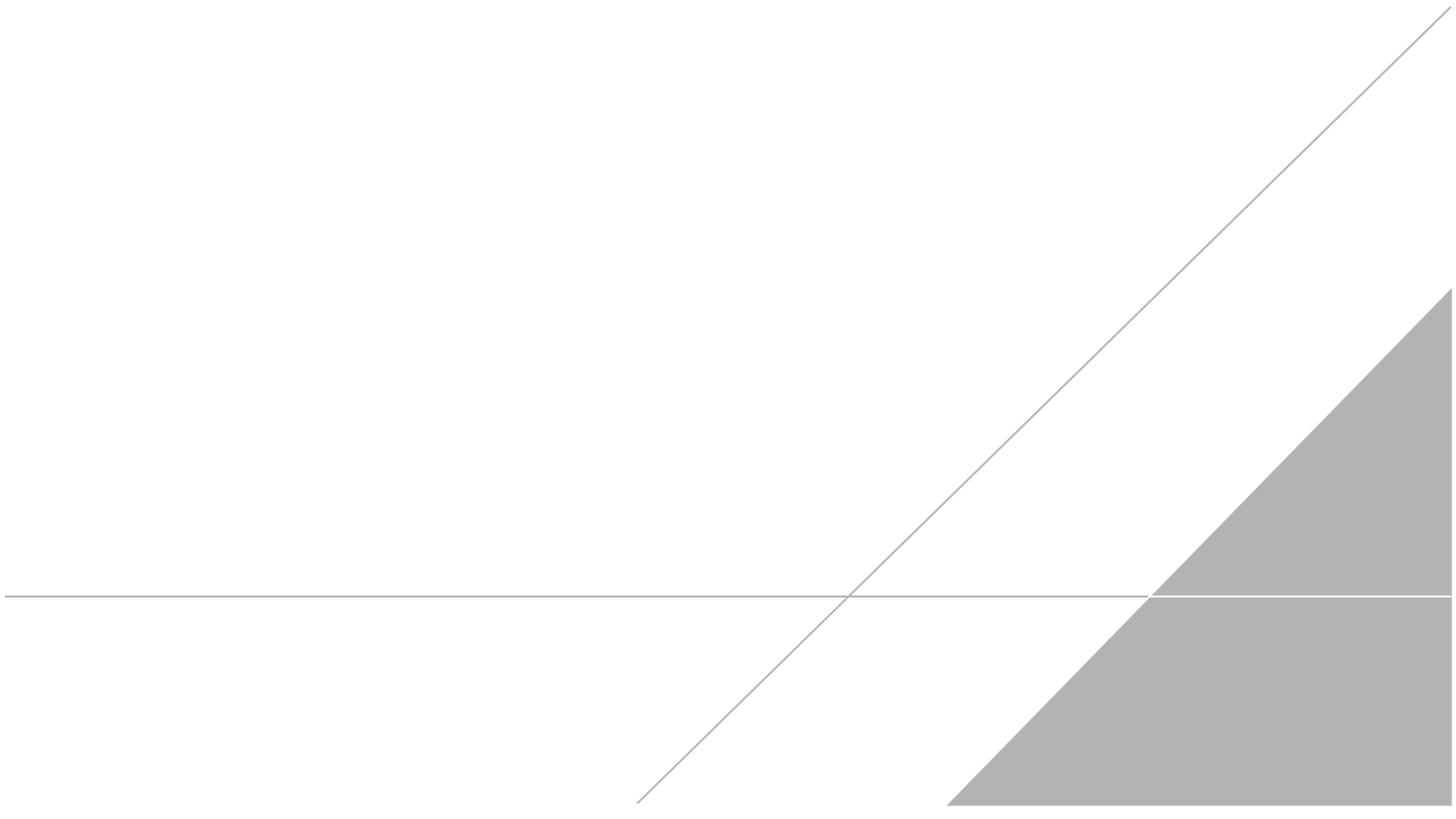
NYSDEC. 2015. Letter from Payson Long, NYSDEC, to James E. Fleer, McKesson Corporation. RE: Review of Monitoring Memorandum of the April 2015 Monitoring Event. September 16.

Note regarding Box 3

Modified deed restrictions were recorded with the Onondaga County Clerk on September 28, 2016.

ATTACHMENT B

Site-Wide Inspection Form



SITE-WIDE INSPECTION FORM
McKesson Envirosystems Site, Syracuse, New York

Form Completed By: Tim Henson
Representing: ARCADIS
Date of Inspection: 10/19/16
Inspection Reporting Period: October 14, 2015 through October 19, 2016

ON-SITE INSPECTION

1. List other individuals and their company/agency that were present during the inspection. None

2. Is health & safety equipment (e.g., fire extinguishers) available on site and up-to-date? [X] Yes [ ] No

3. Is the current Site use consistent with the use(s) below? restricted residential, commercial, and industrial [X] Yes [ ] No

4. Is the Site currently undergoing development? If yes, explain below. [ ] Yes [X] No

5. Is groundwater being used? If yes, explain below. [ ] Yes [X] No

6. Is there visual evidence of any other activities and/or uses of the Site since the last inspection that are potentially contrary to the restrictions of the Deed Restrictions? If yes, describe below. [ ] Yes [X] No

7. Is there visual evidence of damage to the above-ground monitoring wells/piezometers or issues in the surrounding area? Are any of the monitoring wells/piezometers missing covers or locks? Is there settling or ponded water in areas around the monitoring wells/piezometers?

[X] No
[ ] Yes - If yes, describe below and show the location(s) of affected monitoring well/piezometers on a Site map.

8. Is there visual evidence of significant disturbance to the vegetated cover?

[X] No
[ ] Yes - If yes, describe below and show the location(s) of such disturbance on a Site map.

(Inspection Form continued on page 2)

SITE-WIDE INSPECTION FORM
McKesson Envirosystems Site, Syracuse, New York

Form Completed By: Tim Henson
Representing: ARCADIS

Date of Inspection: 10/19/16
Inspection Reporting Period: October 14, 2015 through October 19, 2016

9. Is there visual evidence that the clean fill layer has been breached, penetrated, or temporarily removed?

[X] No
[ ] Yes - If yes, describe below and show the location(s) of such disturbance on a Site map.

10. Check to confirm that the following documents are available on site.

[X] Emergency Contact Numbers
[X] Site Management Plan (date of document June 2015)
[X] Health and Safety Plan (date of document July 2014)

Engineering Control: Fencing/Access Control

11. Is there visual evidence of damage to the fence, gate locks, and/or signage surrounding the perimeter of the Site?

[X] No
[ ] Yes - If yes, describe below and show the location(s) of such damage on a Site map.

12. Is there visual evidence of trespassing on the Site?

[X] No
[ ] Yes - If yes, describe below and show the location(s) of such activity on a Site map.

Engineering Control: Groundwater Containment

13. Has the closed loop hydraulic system been operating during the inspection reporting period?

[X] No
[ ] Yes - if yes, complete the next question.

14. Have *In-Situ* Bioremediation System Operation and Maintenance Log Sheets been completed weekly during the inspection reporting period?

[X] No - If no, explain why.
[ ] Yes

System is currently not in operation.

** If necessary, attach additional pages for descriptions, drawings, and/or photographs to document inspection observations and/or suggested action items.

ATTACHMENT C

Historical Groundwater Data

Table 1 Summary of Historical Groundwater Level Measurements, June 1998 through October 2010

Table 2 Summary of Historical Groundwater Monitoring Data, March 1988 through October 2010

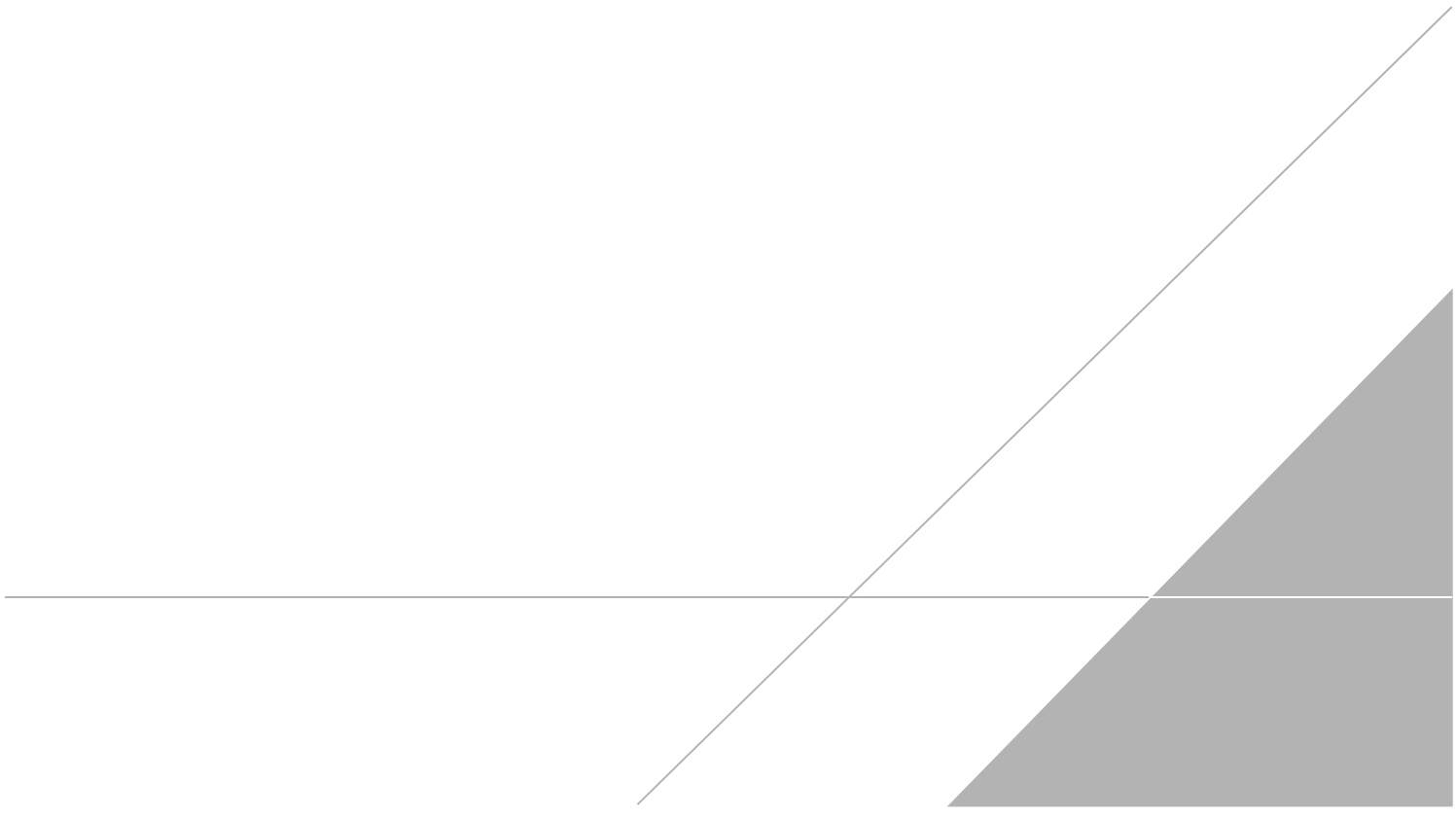


Table 1
Summary of Historical Groundwater Level Measurements, June 1998 through October 2010

ARCADIS Design & Consultancy for natural and built assets

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Location	Reference Elevation (feet AMSL)	6/10/98 Static	6/22/98	7/6/98	7/20/98 Week 1	7/27/98 Week 2	8/5/98 Week 3	8/10/98 (morning) Week 4	8/10/98 (afternoon) Week 4	8/11/98 (morning) Week 4	8/11/98 (afternoon) Week 4	8/12/98 (morning) Week 4	8/12/98 (afternoon) Week 4	10/16/98 Week 13	11/17/98 Week 18	12/16/98 Week 22
Canal	393.39*	362.91	363.37	363.72	363.08	363.08	362.94		362.78	362.94			362.84	363.27		363.14
Collection Sump	372.81	364.33	363.08	363.68	362.50	361.31	361.83	361.89	362.14	361.00	361.71	361.95	362.31	362.01	361.48	361.75
MW-3S	376.54	365.93	366.26	367.82	366.20			365.29							365.25	365.67
MW-3D	375.56	365.63	365.87	366.16			364.97	364.85						365.08	365.00	365.04
MW-6D	377.07	365.75	366.01	366.29										365.25	365.15	365.23
MW-8D	374.68	365.51	365.74	366.05			364.80		364.67	364.79	364.88	364.87	364.87	364.93	364.83	364.86
MW-9D	376.76**	365.78					365.14	365.10						365.25	365.16	365.22
MW-11D	373.68	365.46	365.67	365.29			364.62	364.49	364.50	364.62		364.69	364.67	364.77	364.68	364.73
MW-11S	373.50	364.88	364.62	365.11	364.12	363.70	363.58	363.52	363.58	363.73		363.69	363.74	363.74	363.69	363.69
MW-18	372.57	362.64													361.90	361.93
MW-19	376.00	362.42													361.78	361.84
MW-23I	372.77	365.04	365.34	365.72			364.34		364.45	364.16			364.43	364.43	364.34	364.36
MW-23S	372.61	363.99	363.43	364.04	362.92	362.50	362.41		362.40	362.66		362.54	362.67	362.68	362.56	362.52
MW-24DR	375.14	365.41													364.63	364.67
MW-24SR	375.55	365.15	365.32	365.66	364.91	364.45	364.27		364.20				364.36	364.47	364.37	364.44
MW-25D	373.67	365.43													364.74	364.76
MW-25S	373.39	363.91	363.64	364.14	363.21	362.95	362.75		362.75			362.89	362.96	363.01	362.89	362.87
PZ-4D	376.11	365.46	365.73	366.01	365.21	364.83	364.63		364.54	364.67	364.75	364.74	364.70	364.80	364.69	364.73
PZ-5D	375.58	365.66	365.91	366.18	365.36	365.07	364.84		364.76	364.88	364.94	364.93	364.91	364.99	364.89	364.93
PZ-8D	375.83	365.90	366.11	366.35			365.25	365.13	365.83					365.35	365.27	365.33
PZ-9D	377.29	365.73					365.47	365.28						365.12	365.03	365.08
PZ-A	373.94	364.49	363.69	364.28	363.13	362.58	362.56	362.62	362.76	363.39	362.82	362.64	363.02	362.75	362.56	362.60
PZ-B	373.92	364.49	363.60	364.21	363.02	362.62	362.50	363.26	362.71	363.00	362.97	362.59	363.01	362.67	362.54	362.51
PZ-C	374.85	365.69	366.29	367.02	365.93	365.97	365.47	365.38	365.30	365.54	365.99	365.53	365.54	365.56	365.52	365.52
PZ-D	375.12	365.78	366.25	366.99	365.99	365.91	365.53	365.37	365.30	365.53	366.06	365.58	365.67	365.59	365.55	365.53
PZ-E	374.12	364.75	364.25	364.86	363.73	364.00	363.41	363.61	363.54	364.22	364.67	364.67	364.08	363.57	363.67	363.53
PZ-F	377.06	366.17					365.56	365.50						365.37	365.27	365.52
PZ-G	377.16	366.21					365.66	365.60						365.46	365.36	365.60
PZ-HR	376.99	366.16					365.54							365.44	365.34	365.54
PZ-I	375.15	366.56					365.86	365.64						365.88	365.57	365.90
PZ-J	374.89	366.15					365.53	365.40						365.53	365.39	365.55
PZ-K	373.19	364.53	363.78	364.35	363.27	362.69	362.69	362.71	362.75	362.92	362.80	362.78	362.98	362.82	362.66	362.66
PZ-L	374.62	364.25	363.59	364.18	363.04	362.42	362.48	362.44		362.88	362.63	362.57	362.84	362.65	362.40	362.51
PZ-M	374.35	364.70	364.09	364.64	363.52	362.96	362.96	362.96	363.09	363.29	363.15	363.05	363.30	363.12	362.93	363.01
PZ-N	376.94***	365.79	366.37	367.06	365.99	365.91	365.53	365.39	365.33	365.55	365.97	365.58	365.59	365.59	365.55	365.56
PZ-O	375.36	364.29	363.68	364.29	363.21	362.84	362.72	362.87	362.78	363.05	362.97	362.80	363.03	362.81	362.74	362.75
PZ-P	376.89	366.25					365.65	365.60						365.52	365.39	365.61
PZ-Q	377.61	366.23					365.64	365.57						365.45	365.35	365.59
PZ-R	377.05	366.23		366.94			365.65	365.57						365.50	365.38	365.61
PZ-S	378.13	366.19					365.57	365.52						365.43	365.35	365.57
PZ-T	376.25	366.14					365.54	365.43						365.52	365.38	365.58
PZ-U	375.35	365.99		366.81			365.50	365.33						365.37	365.30	365.49
PZ-V	375.78	366.07					365.48	365.35						365.43	365.29	365.47
PZ-W	375.78	366.07					365.46	365.31						365.41	365.28	365.44

See Notes on Page 4.

Table 1
Summary of Historical Groundwater Level Measurements, June 1998 through October 2010

ARCADIS Design & Consultancy for natural and built assets

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Location	Reference Elevation (feet AMSL)	12/22/98 Week 23	1/6/99 Week 25	1/13/99 Week 26	4/14/99 Week 39	6/3/99 Week 46	7/13/99 Week 52	3/27/00	6/1/00	9/18/00	11/14/00	3/19/01	9/24/01	4/15/02	6/3/02	6/18/02
Canal	393.39*	362.21	363.11			363.22	362.78	363.73	363.75	362.75^	363.24	363.01	362.96	364.59	363.64	364.17
Collection Sump	372.81	363.09	361.93	361.73	363.17	362.45	361.87	362.99	361.48	361.69	361.66	361.59	362.04	362.27	361.50	361.42
MW-3S	376.54	366.81	365.67	365.25		365.26		357.10						367.70	366.26	367.50
MW-3D	375.56		365.04	364.91	365.41	364.92	364.57	355.64	365.57	364.81	355.16	365.40	364.54	364.16	364.55	365.10
MW-6D	377.07	365.36	365.23	365.06	365.62	365.12	364.79	365.85	365.77	364.97	365.34	365.64	364.75	364.22	364.62	365.21
MW-8D	374.68		364.88	364.74	365.22	364.77	364.35	365.42	365.36	364.62	364.94	365.18	364.34	364.13	364.51	365.01
MW-9D	376.76**	365.36	365.26	365.08	365.65	365.17	364.83	365.88	365.80	365.01	365.36	365.68	364.76	364.05	364.47	365.10
MW-11D	373.68		364.73	364.57	365.02	364.60	364.18	365.24	365.18	364.46	364.81	364.96	364.18	364.07	364.44	364.92
MW-11S	373.50	364.27	363.79	363.61	364.50	363.88	363.39	364.72	364.35	363.55	363.86	364.48	363.33	363.57	363.89	364.33
MW-18	372.57	362.05	362.05	361.84	362.18	361.79	361.38	362.43	361.77	361.71	362.08	362.17	361.50	361.65	362.09	362.50
MW-19	376.00	361.98	361.87	361.89	362.15	361.80	361.46	362.58	361.88	361.90	362.25	362.44	361.82	361.83	362.11	362.57
MW-23I	372.77		364.47	364.26	364.69	364.28	363.83	364.99	364.93	364.25	364.58	364.73	363.99	363.99	364.34	364.80
MW-23S	372.61	363.35	362.66	362.46	363.64	362.94	362.42	363.85	363.17	362.64	362.87	363.59	362.36	363.97	363.38	363.68
MW-24DR	375.14	364.81	364.69	364.54	364.96	364.49	364.09	365.19	364.60	364.39	364.77	364.91	364.16	364.06	364.43	364.90
MW-24SR	375.55	364.66	364.50	364.33	364.87	364.41	363.95	365.12	365.55	364.30	364.60	364.86	364.05	364.00	364.40	364.86
MW-25D	373.67		364.77	364.64	365.07	364.64	364.20	365.28	365.20	364.51	364.84	364.97	364.22	364.19	364.57	365.02
MW-25S	373.39	363.48	362.96	362.79	363.89	363.20	364.75	364.12	363.69	362.94	363.23	364.14	362.61	364.39	363.83	364.21
PZ-4D	376.11	364.87	364.72	364.55	365.02	364.60	364.22	365.28	365.21	364.49	364.82	365.03	364.22	364.06	364.43	364.94
PZ-5D	375.58	365.09	364.94	364.78	365.28	364.86	364.47	365.57	365.48	364.71	365.10	365.36	364.46	364.12	364.47	365.03
PZ-8D	375.83	365.48	365.33	365.19	365.78	365.08	365.00									
PZ-9D	377.29	365.24		364.94	365.50	365.04	364.68	365.70	365.72	364.87	365.16	365.55	364.60	363.75	364.14	364.79
PZ-A	373.94	364.04	362.72	362.56	363.81	363.12	362.61	363.95	363.15	362.75	362.91	363.56	362.58	363.92	363.05	363.22
PZ-B	373.92	364.27	362.62	363.45	363.91	363.19	362.67	364.08	363.32	362.79	362.94	363.94	362.55	364.44	363.24	363.40
PZ-C	374.85	365.97	365.18	365.02	365.79	365.10	364.75	366.04	366.04	365.03	365.35	366.39	364.54	365.68	365.38	366.26
PZ-D	375.12	366.06	365.25	365.12	365.79	365.18	364.89	366.09	366.10	365.10	365.46	366.36	364.65	365.58	365.41	366.21
PZ-E	374.12	366.41	363.57	363.52	364.93	364.20	363.81	365.16	365.03	363.92	364.40	365.90	363.49	366.51	364.63	364.77
PZ-F	377.06	365.73	365.62	365.27	366.36	365.53	365.11	366.89	366.72	365.27	365.70	367.06	364.93	365.50	365.51	366.29
PZ-G	377.16	365.76	365.71	365.44	366.44	365.61	365.17	366.89	366.80	365.36	365.75	367.11	364.93	365.39	365.53	366.22
PZ-HR	376.99	365.84	365.60	365.39	366.34	365.55	365.11	366.80	366.68	365.33	365.66	367.02	364.91	365.39	365.46	366.19
PZ-I	375.15	366.59	366.05	365.76	366.93	365.79	365.23	367.30	367.23	365.55	366.08	367.81	364.91	366.29	366.16	367.05
PZ-J	374.89	365.93	365.59	365.47	366.21	365.53	365.14	366.55	366.50	365.32	365.64	366.69	364.96	365.10	365.18	365.89
PZ-K	373.19	363.70	362.78	362.58	363.87	363.13	362.59	363.97	363.19	362.69	362.86	363.53	362.49	363.82	363.19	363.48
PZ-L	374.62	363.59	362.65	362.45	363.69	363.00	362.47	363.84	363.03	362.61	362.68	363.42	362.47	363.44	362.96	363.26
PZ-M	374.35	364.07	363.13	362.94	364.06	363.40	362.90	364.22	363.54	363.05	363.24	363.86	362.90	363.93	363.37	363.62
PZ-N	376.94***	366.09	365.31	365.12	365.87	365.19	364.87	366.17	366.12	NM	365.35	366.43	364.47	366.60	365.29	366.13
PZ-O	375.36	363.74	362.87	362.68	364.01	363.25	362.73	364.22	363.57	362.86	363.06	364.22	362.64	364.47	363.63	363.98
PZ-P	376.89	365.78	365.73	365.44	366.43	365.59	365.18	366.85	366.73	365.34	365.77	367.02	364.93	365.31	365.48	366.19
PZ-Q	377.61	365.70	365.71	365.42	366.44	365.60	365.16	366.93	366.78	365.26	365.76	367.21	364.89	366.11	365.70	366.41
PZ-R	377.05	365.81	365.67	365.47	366.46	365.61	365.20	366.89	366.81	365.37	365.72	367.21	364.93	365.40	365.58	366.31
PZ-S	378.13	365.94	365.65	365.40	366.39	365.56	365.15	366.84	366.73	365.32	365.71	367.12	364.90	365.27	365.53	366.29
PZ-T	376.25	365.96	365.64	365.47	366.34	365.53	365.10	366.71	366.65	365.29	375.70	366.90	364.90	365.34	365.37	366.10
PZ-U	375.35	365.91	365.55	365.40	366.17	365.46	365.08	366.55	366.49	365.22	365.60	366.75	364.85	365.18	365.23	365.96
PZ-V	375.78	365.90	365.52	365.37	366.20	365.44	365.06	366.54	366.50	365.25	365.58	366.76	364.83	365.30	365.24	365.97
PZ-W	375.78	365.78	365.53	365.33	366.15	365.41	365.02	366.49	366.41	365.20	365.59	366.63	364.85	365.05	365.12	365.86

See Notes on Page 4.

Table 1
Summary of Historical Groundwater Level Measurements, June 1998 through October 2010

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Location	Reference Elevation (feet AMSL)	10/7/02	1/20/03	5/5/03	10/27/03	6/14/04	11/1/04	6/6/05	10/31/05	6/5/06
Canal	393.39*	362.19	^^	363.34	363.34	363.39	363.39	364.39^^^	363.84	363.69
Collection Sump	372.81	362.05	361.90	361.91	361.86	362.11	362.00	361.49	362.96	361.70
MW-3S	376.54	364.26	366.27	366.38	366.98	366.65	365.54	365.82	368.11	368.19
MW-3D	375.56	363.92	365.10	365.53	365.05	365.59	365.27	365.36	366.25	366.07
MW-6D	377.07	364.07	365.31	365.75	365.24	365.80	365.46	365.59	366.45	366.29
MW-8D	374.68	363.82	^^	365.30	364.83	365.39				
MW-9D	376.76**	364.00	365.31	365.79	365.26	365.85	365.51	365.64	366.47	366.34
MW-11D	373.68	363.73	364.81	365.17	364.75	365.26	364.93	364.00	365.94	365.78
MW-11S	373.50	363.09	364.15	364.38	363.89	364.34	363.98	364.12	365.06	365.04
MW-18	372.57	361.37	362.26	362.69	362.26	362.62	362.29	362.37	363.17	363.07
MW-19	376.00	361.51	362.52	361.91	362.46	362.89	362.59	362.69	363.50	363.38
MW-23I	372.77	363.62	364.60	365.01	364.56	364.99	364.67	364.77	365.66	365.47
MW-23S	372.61	362.50	362.26	363.31	362.81	363.04	362.77	362.80	364.05	363.80
MW-24DR	375.14	363.71	364.75	365.13	364.69	365.19	364.86	364.94	365.90	365.74
MW-24SR	375.55	363.64	364.69	365.03	364.62	365.12	364.78	364.88	365.81	365.66
MW-25D	373.67	363.82	364.82	365.24	364.74	365.26	364.93	365.00	364.49	365.77
MW-25S	373.39	362.74	363.61	363.67	363.19	363.49	363.08	363.14	365.63	364.13
PZ-4D	376.11	363.73	364.81	365.23	364.78	365.28	364.96	365.07	365.96	365.85
PZ-5D	375.58	363.81	365.05	365.49	365.02	365.53	365.20	365.29	365.19	365.98
PZ-8D	375.83									
PZ-9D	377.29	363.71	365.08	365.64	365.09	365.68	365.35	365.48	366.33	366.19
PZ-A	373.94	362.59	^^	363.40	363.57	363.18	362.89	362.96	364.20	364.14
PZ-B	373.92	362.65	363.39	363.47	363.89	363.21	362.92	362.92	364.32	364.32
PZ-C	374.85	364.19	365.65	365.76	365.44	366.07	365.50	365.65	366.65	366.45
PZ-D	375.12	364.21	365.65	365.84	365.53	366.11	365.62	365.75	366.75	366.57
PZ-E	374.12	363.47	364.94	365.00	366.92	364.58	364.07	364.47	365.25	366.51
PZ-F	377.06	364.29	366.25	366.41	365.46	366.65	365.75	366.13	367.59	367.16
PZ-G	377.16	364.36	366.35	366.46	365.43	366.68	365.81	366.14	367.76	366.97
PZ-HR	376.99	364.24	366.22	366.41	365.50	366.62	365.81	366.12	367.56	367.14
PZ-I	375.15	364.22	366.58	366.90	365.97	367.01	365.26	366.41	368.02	367.82
PZ-J	374.89	364.21	365.96	366.73	365.61	366.45	365.86	366.07	367.29	367.04
PZ-K	373.19	362.56	363.25	363.36	363.12	363.13	362.84	362.97	364.21	364.01
PZ-L	374.62	362.53	363.42	363.25	363.06	363.04	362.79	362.91	364.02	363.89
PZ-M	374.35	362.82	363.60	363.77	363.66	363.61	363.31	363.45	364.53	364.40
PZ-N	376.94***	364.09	365.54	365.74	364.48	365.95	365.47	365.53	366.56	366.41
PZ-O	375.36	362.75	363.61	363.53	363.36	363.43	363.04	363.13	364.36	364.26
PZ-P	376.89	364.25	366.25	366.45	365.53	366.65	365.87	366.20	367.63	367.19
PZ-Q	377.61	364.41	366.40	366.55	365.38	366.77	365.85	366.21	367.80	367.16
PZ-R	377.05	364.31	366.34	366.46	365.31	366.72	365.85	366.17	367.73	367.15
PZ-S	378.13	364.31	366.29	366.42	365.42	367.18	367.10	366.31	367.83	367.20
PZ-T	376.25	364.20	366.16	366.38	365.74	366.54	365.85	366.13	367.48	367.15
PZ-U	375.35	364.18	366.00	365.83	365.66	366.43	365.82	366.05	367.33	367.07
PZ-V	375.78	364.15	365.98	366.71	365.84	366.44	365.76	365.99	367.33	367.06
PZ-W	375.78	364.09	365.88	366.18	365.49	366.36	365.72	365.98	367.21	366.94

See Notes on Page 4.

Table 1
Summary of Historical Groundwater Level Measurements, June 1998 through October 2010

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Notes:

1. Weeks 1, 2, 3, 4, 13, 18, 22, 23, 25, 26, 39, 46 and 52 are weeks after the initial introduction of Revised Anaerobic Mineral Media (RAMM) into the three impacted areas.
2. 8/10, 8/11, and 8/12/98 water level measurements were taken during the initial discrete RAMM injection event.
3. AMSL = above mean sea level (NGVD of 1929).
4. The groundwater level in PZ-8D was not measured on 3/27/00 and 6/1/00 because this piezometer was damaged and subsequently decommissioned on August 30, 2000.
5. ^ = The canal water-level measurement for the third quarter of the first year of the long-term process control monitoring program was obtained on September 29, 2000.
6. * = The reference elevation for canal gauging point was 363.06 feet AMSL prior to 11/16/00. The canal gauging point was re-marked and re-surveyed 11/16/00. The new reference elevation is 393.39 feet AMSL.
7. NM = The groundwater level in PZ-N was not measured on 9/18/00 because this piezometer was damaged. This piezometer was repaired and subsequently resurveyed on 11/16/00. The new reference elevation for PZ-N is 376.94 feet AMSL.
8. 376.76** = The reference elevation for MW-9D as of 9/19/01.
9. *** = The reference elevation for PZ-N was 376.02 feet AMSL prior to 11/16/00 and, as noted above, the new reference elevation is 376.94 feet AMSL.
10. ^^ = Due to frigid weather conditions, the groundwater level in PZ-A and MW-8D could not be measured on 1/20/03, because the locks were frozen. The canal water level for the 1/03 resampling event could not be measured due to strong winds and ice on the water surface.
11. Monitoring location MW-8D was decommissioned on August 3, 2004.
12. The canal water level measurement for the 2005 second quarter long-term process control monitoring program was obtained on November 1, 2005.
13. ^^^ = The water level measurement of the canal collected during the first 2005 monitoring was not measured from the correct measuring point. The spring 2005 measurement was taken approximately 3 feet higher than the surveyed measuring point. This value reflects the corrected canal water level for the spring 2005 monitoring event.

Table 2
Summary of Historical Groundwater Monitoring Data, March 1988 through October 2010

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-1[K]	3/88	370.3	355.3	<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	1/89			<100	<1	<1	<1	<1	<1	<1	<11	<11	<1,000
	11/89			<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	11/90			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	11/91			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	11/92			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	8/95			<1,000	<5	<5	<10	<5	<5	<5	<5	<10	<1,000
	9/98			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	7/99			**0.7 JN**	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	3/00			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000 J
	9/00			**8 J**	<10 J	<10 J	<10 J	**3 J**	<10 J	**5.0 J**	<10 J	<10	<1,000
	3/01			<10	<10	<10	**10**	<10	<10	<10	<10	<10	<1,000
	9/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000 J
	4/02			<12	<5.0	<5.0	<5	<5.0	<5	<10	<5	<5	**990 J**
	10/02			<25	<10	<10	<10	<10	<10	<20	<5	R	<1,000
	5/03			<12	<5	<5	<5	<5	<5	<10	<5	<5	<1,000
	10/03			<12	<5	<5	<5	<5	<5	<10	**2 J**	<5	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	11/04			--	--	--	--	--	--	--	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	**0.2 J**	<1.0	<1,000
	11/05			<1.3 J	<0.3	<0.5	<0.5	<0.4	<0.4	<0.5	<1.0	<1.0 J	<1,000
	6/06			<5.0 J	<1.0 J	<4.0 J	<3.0 J	<5.0 J	<1.0 J	<5.0 J	<1.0 J	<1.0 J	<1,000 J
	11/06			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<500
	6/07			<5	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<1.0	<500
	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500 J
	3/08			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			**7.4 J**	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.6	<0.6	<500
	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			**8.9 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
MW-2S	3/88	368.1	353.1	<1,000	**1,900**	**610**	<10	**110**	<10	**2,800**	<10	<10	<1,000
	1/89			<1,000	**2,000**	**330**	<10	**65**	<10	**1,200**	<11	<11	<1,000
	11/89			<1,000	**1,800**	**360**	<100	<100	<100	**810**	<100	<100	**38,000**
MW-3S	3/88	365.1	350.1	<100	<1	<1	**110**	<1	**50**	<1	<10	<10	<1,000
	1/89			<10,000	<100	<100	**4,700**	**120**	**1,100**	<100	<11	**5,570**	<1,000
	11/89			<10,000	<100	<100	**2,700**	<100	**100**	<100	<52	**440**	<1,000
	11/91			**2,900**	**10**	**4.0**	<10	**10**	<10	**31**	**790**	**170**	<1,000
	8/95			<1,000	<5	<5	<10	<5	<5.0	<5	**15**	**2.0 J**	<1,000
	9/98			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	7/99			<10	**1 J**	<10	<10	**0.7 J**	<10	<10	**9 J**	<10	<1,000
	3/00			<10 J	<10	<10	<10	<10	<10	<10	<10	<10	<1,000 J
	9/00			<10 J	**1 J**	<10 J	<10 J	**2 J**	<10 J	<10 J	**2 J**	**1 J**	<1,000
	3/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	9/01			<10	**3 J**	**1 J**	<10	**8 J**	<10	**2 J**	**690 D (69)[B]**	**4 J**	<1,000 J

See Notes on Page 20.

Table 2
Summary of Historical Groundwater Monitoring Data, March 1988 through October 2010

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-3S	4/02			<12	<5	<5	<5	<5	<5.0	<10	**1.7 J**	<5	**370 J**
(cont'd)	10/02			<25	<10	<10	<10	<10	<10	<20	<5	R	<1,000
	5/03			<12	<5	<5	<5	<5	<5	<10	<5	<5	<1,000
	10/03			<12	<5	<5	<5	<5	<5	<10	**4 J**	<5	<1,000
	6/04			**6.0 J**	<10	<10	<10	<10	<10	<20	**0.8 J**	<6	<1,000
	11/04			<25	<10	<10	<10	<10	<10	<20	**4 J**	<5.0	**150 J**
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	**15**	<1.0	<1,000
	11/05			<1.3 J	<0.3	<0.5	<0.5	<0.4	<0.4	<0.4	<1.0	<1.0 J	<1,000
	6/06			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/06			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<500
	6/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<1.0	<500
	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500 J
	3/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.6	<0.6	<500
	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			<10	**0.17 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	4/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	10/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	<1.0	NA
MW-3D	8/95	343.8	339	<1,000	<25 D	<25 D	**200 D**	<25 D	<25 D	<25 D	**1 J**	**5 J**	<1,000
MW-4S	3/88	365.5	350.5	<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	1/89			<100	<1	<1	**280**	<1	<1	<1	<11	**19**	<1,000
	11/89			<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	10/10			<10 [<10]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<3.0 [<3.0]	<5.0 [<5.0]	<1.0 [<1.0]	<500 J [<500 J]
MW-5[C]	3/88	363.3	348.3	<100	<1	<1	<1	<1	<1	<1	**230**	**130**	<1,000
	1/89			<100	<1	<1	<1	<1	<1	<1	**34**	<11	<1,000
	11/89			<100	<1	<1	<1	<1	<1	<1	**17**	<10	<1,000
MW-6[D]	1/89	365.5	355.9	<100	<1	<1	<1	<1	<1	<1	<11	<11	<1,000
(Replaced by MW-6S)	11/89			<10	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	8/95			<1,000	<5	<5	<10	<5	<5	<5	<5	<10	<1,000
MW-7[D]	1/89	367	357.4	<100	<1	<1	**100**	<1	<1	**2**	<11	<11	<1,000
	11/89			<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
MW-8[D]	1/89	364.7	355.1	<1,000,000	<10,000	<10,000	**3,200,000**	<10,000	<10,000	<10,000	**2,900**	**24,000**	**430,000**
(Replaced by MW-8S)[E]	11/89			**470,000**	<10,000	<10,000	**2,800,000**	<10,000	<10,000	<10,000	**8,500**	**52,000**	**300,000**
	11/91			<1,000,000	<10,000	<10,000	**1,600,000**	<10,000	<10,000	<30,000	**8,000**	**33,000**	**150,000**
	8/95			<1,000	<250,000D	<250,000D	**7,700,000 D**	<250,000D	**60,000 JD**	<250,000D	<25,000D	**380,000 D**	**22,000**
	9/98			<10,000 J	<10,000	<10,000	**140,000**	<10,000	**3,300 J**	<10,000	**1,200 J**	**26,000 D**	**7,900**
	2/99			<20,000	<20,000	<20,000	**650,000 DB**	<20,000	**11,000 J**	<20,000	**30,000 D**	**120,000 D**	**16,000JN**
	7/99			**10 J**	**22 J**	**58 J**	**450,000 D**	**240 J**	**11,000 J**	**220 J**	**24,000**	**77,000**	**17,000**
	3/00			<100,000	<100,000	<100,000	**1,300,000**	<100,000	<100,000	<100,000	**62,000**	**270,000 D**	**30,000 J**
	9/00			<50,000 J	<50,000 J	<50,000 J	**540,000 BJ**	<50,000 J	**9,200 J**	<50,000 J	**42,000 J**	**59,000**	**14,000 J**
	3/01			<50,000	<50,000	<50,000	**990,000**	<50,000	**11,000 J**	<50,000	**90,000 D**	**120,000 D**	**53,000**
	9/01			<400	<400	**170 J**	**440,000 BD**	**430**	**18,000 JD**	**680**	**21,000**	**29,000**	**8,900 J**
	4/02			**2,100**	**50 J**	**100 J**	**660,000 D**	**410**	**9,600 J**	**400**	**793,000 D**	**773,000 D**	<1,000

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Table 2
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Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Screen Elev. (ft. AMSL) Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-8[D]	10/02			**120 J**	**23**	**73**	**320,000**	**310**	**3,100**	**267**	**80,000**	**21,000 J**	<1,000
(cont'd)	5/03			<12	**20 J**	**81**	**910,000 D**	**600 D**	**6,700 D**	**300**	**79,000 D**	**29 J**	<1,000
	10/03			**21**	**25**	**93**	**400,000 D**	**330 D**	**3,100 D**	**360**	**67,000 D**	**24,000 D**	**1,200 J**
	6/04			<25	**40**	**110**	**1,200,000 D**	**330 EJ**	**5,900 D**	**400**	**56,000**	**51,000**	<1,000
MW-8SR[B]	11/04	362.7	352.7	<1,200	<500	<500	**10,000 D**	**100 DJ**	<500	**164 DJ**	**35,000 D**	**5,300 D**	<1,000
	6/05			**81 J**	**13**	**53**	<3.0	**100**	<1.0	**180**	**30,000**	<200	<1,000
	11/05			**15 J**	**13**	**66**	<3.0	**130**	<1.0	**260**	**32,000**	<260 J	<1,000
	6/06			**48**	**15**	**79**	<3.0	**120**	<1.0	**260**	**23,000**	<200	<1,000
	9/06			NA	NA	NA	NA	NA	NA	NA	**52,000 [51,000]**	<520 [<520]	NA
	11/06			**28**	**16**	**84**	<3.0	**100**	<1.0	**270**	**28,000**	<200	<500
	6/07			**58**	**14**	**83**	<6.0	**110**	<2.0	**250**	**2,700**	<22	<500
	8/07			NA	NA	NA	NA	NA	NA	NA	**17,000**	<100	NA
	11/07			<5.0 J	**12**	**73**	<3.0	**22**	<1.0	**210**	**22,000 J**	<100 J	<500
	3/08			**<10 [9.6 J]**	**5.5 [5.7]**	**70 [68]**	<6.0 [<6.0]	**22 [22]**	<2.0 [<2.0]	**160 [160]**	**5,800 [5,200]**	<25 [<50]	<500 [<500]
	8/08			**8.2 J [<10]**	**11 [11]**	**70 [70]**	<6.0 [<6.0]	**24 [22]**	<2.0 [<2.0]	**190 [190]**	**32,000 [25,000]**	<250 [<250]	<500 [<500]
	3/09			**6.5 J [5.8 J]**	**6.8 [6.8]**	**66 [63]**	<1.0 [<1.0]	**10 [10]**	<1.0 [<1.0]	**140 [140]**	**2,200 [1,800]**	<12 [<12]	<500 [<500]
	6/09			NA	NA	NA	NA	NA	NA	NA	**7000 J**	<50 J	NA
	9/09			**<10 [8.3 J]**	**8.5 J [7.9]**	**44 J [38]**	<1.0 [<1.0]	**6.8 J [6.5]**	<1.0 J [<1.0]	**81 J [71]**	**4,000 [3,400]**	<20 [<20]	<500 [<500]
	4/10			<10 [<10]	**4.2 [3.5]**	**23 J [18]**	<1.0 [<1.0]	**4.6 [3.7]**	<1.0 [<1.0]	**41 [33]**	**370 J [720 J]**	**1.0 J [<5.0]**	<500 [<500]
	10/10			<10	**2.7**	**16**	<1.0	**2.0**	<1.0	**31**	**220**	**1.6**	NA
MW-9[D]	1/89	365.6	356	**1,600**	NA	**130**	**1,500**	**64**	<10	**270**	**660**	**1,200**	<1,000
(Replaced by MW-9S)	11/89			<1,000	**48**	**60**	<10	**25**	<10	**60**	**670**	**150**	<1,000
	11/91			<100	<10	**19**	<1	**9**	<1.0	**30**	**95**	**18**	<1,000
	8/95			<1,000	**11 JD**	**69 D**	**110 D**	**26 JD**	<50	**226 JD**	**50**	**28**	<1,000
	7/99			<10	**4 J**	**9 J**	<10	**2 J**	<10	**18**	<10	**5.0 J**	<1,000
	3/00			<10	**2 J**	**11**	<10	**2 J**	<10	**21**	**2.0 J**	**9.0 J**	<1,000 J
	9/00			<10 J	**11 J**	**6.0 J**	<10 J	**2 J**	<10 J	**18 J**	**1.0 J**	**6.0 J**	<1,000
	3/01			<10	**1 J**	**17**	<10	**3 J**	<10	**61**	**2.0 J**	**11**	<1,000
	9/01			<10	**10**	**7.0 J**	<10	**3 J**	<10	**35**	<10	**10**	<1,000 J
	4/02			<23	**10**	**6**	<5	**2 J**	<5	**17 J**	**9**	**43**	**370 J**
	10/02			**16 J**	**38**	**2 J**	<10	**40**	<10	**15 J**	<5.0	**2.0 J**	<1,000
	5/03			<12	**11**	**7**	<5	**<5**	<5.0	**18**	**0.9 J**	**3.0 J**	<1,000
	10/03			<12	**2 J**	**5**	<5	<5	<5.0	**19**	**1.0 J**	<5.0	<1,000
	6/04			**14 J**	**6 J**	**8 J**	<10	**2.0 J**	<10	**19 J**	<5.0	<5.0	<1,000
	11/04			<25	**4 J**	**9 J**	<10	**2 J**	<10	**30 J**	<5.0	<5.0	<1,000
	6/05			**44 J**	**1.9**	**24**	<3.0	**3.2 J**	<1.0	**64**	**2.6**	**1.9**	<1,000
	11/05			<1.3 J	**3.5**	**11**	<0.5	**3.8**	<0.4	**33**	**1.4**	**6.1 J**	<1,000
	6/06			<5.0 J	**1.1 J**	**25 J**	<3.0 J	**2.3 J**	<1.0 J	**60 J**	<1.1 J	**3.8 J**	<1,000 J
	11/06			<5.0	**1.4**	**23**	<3.0	**3.5 J**	<1.0	**63**	**0.5 J**	**3.3 J**	<500
	6/07			<5.0	**1.4**	**42**	<3.0	**3.3 J**	<1.0	**110**	<5.0	**4.1**	<500
	11/07			<5.0	**0.9 J**	**11**	<3.0	**2.0 J**	<1.0	**58**	**1.7 J**	**8.6**	<500 J
	3/08			<5.0 J	**1.1**	**37**	<3.0	**3.0 J**	**1.2**	**73**	**0.7 J**	**6.8**	<500
	8/08			**24 J**	**3.7**	**21**	<3.0	**3.3 J**	<1.0	**72**	<5.5	**5.1**	<500

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Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Screen Elev. (ft. AMSL) Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-9[B]	3/09			<10	**1.2**	**27**	<1.0	**2.5**	<1.0	**65**	<5.0	**4.2**	<500
(cont'd)	9/09			<10	**1.7**	**20**	<1.0	**2.2**	<1.0	**70**	<5.0	**4.1**	**730**
	4/10			<10	**0.86 J**	**26**	<1.0	**2.1**	<1.0	**69**	<5.0	**6.5**	<500
	10/10			<10	**1.3**	**11**	<1.0	**1.9**	<1.0	**45**	<5.1	**7.5**	<500 J
MW-10[B]	1/89	355.5	345.9	<1,000,000	<10,000	<10,000	**520,000**	<10,000	<10,000	<10,000	**720**	**9,400**	**210,000**
(Replaced by MW-9D)	11/89			<100,000	<1,000	<1,000	**28,000**	<1,000	<1,000	<1,000	**900**	**2,400**	<1,000
	11/91			<100	<1	**2.0**	**41**	**3.0**	<1	<3.0	**230**	<10	<1,000
	8/95			<1,000	<25 UD	<25 UD	**350 D**	<25 UD	<25 UD	<25 UD	<5.0	<10	<1,000
MW-11[B]	1/89	355.1	345.5	<100	<1	<1	**1**	<1	<1	<1	<12	<12	**8,400**
(Replaced MW-6D)	11/89			<100	<1	<1	<1	<1	<1	<1	**230**	<52	<1,000
	8/95			<1,000	<5	<5	<10	<5	<5	<5	<5	<10	<1,000
MW-11S	12/94	359.9	354.9	<380	<10	<10	<10	<10	<10	<10	<5	<10	**880**
	8/95			<1,000	<5	<5	<26	<5	<5	<5	<5	<10	<1,000
	10/95			NA	<5	<5	<5	<5	<5	<5	NA	NA	NA
MW-11D	12/94	349.8	344.8	<310	<5	<5	<5	<5	<5	<5	<5	<10	**2,100**
	8/95			<1,000	<5	<5	<10	<5	<5	<5	<5	<10	<1,000
	10/95			NA	<5	<5	<5	<5	<5	<5	NA	NA	NA
MW-12D[D]	1/89	354.8	345.2	<100,000	<1,000	<1,000	**120,000**	<1,000	<1,000	<1,000	**67**	**410**	**12,000**
(Replaced MW-8D)[E]	11/89			**69,000**	<1,000	<1,000	**360,000**	<1,000	<1,000	<1,000	<1,000	**4,900**	**39,000**
	11/91			<1,000,000	<10,000	<10,000	**220,000**	<10,000	<10,000	<30,000	**750**	**5,800**	<10,000
	8/95			<1,000	**450 JD**	**430 JD**	<13,000 D	**430 JD**	<1,300 D	**1,250 JD**	**30 D**	**230 D**	<1,000
	8/96			**13**	<10	<10	**40**	<10	**2.0 J**	<10	<5	<10	<1,000
MW-13S	11/89	368.7	359.1	<100	**3**	<1	<1.0	<1	<1.0	<1	<52	<52	<1,000
	11/90			<100	<1	<1	<1.0	<1	<1.0	<3	<10	<10	<1,000
	11/91			<100	<1	<1	<1.0	<1	<1.0	<3	<10	<10	<1,000
	11/92			<100	<1	<1	<1.0	<1	<1.0	<3	<10	<10	<1,000
MW-14D[C]	1/89	359	349.4	<100	<1	<1	<1.0	<1	<1.0	<1	<11	<11	<1,000
	11/89			<100	<1	<1	<1.0	<1	<1.0	<1	<10	<10	<1,000
MW-15S	1/89	370	360.25	<100	<1	<1	<1.0	<1	<1.0	<1	<11	<11	<1,000
	11/89			<100	<1	<1	<1.0	<1	<1.0	<1	<52	<52	<1,000
MW-16D[C]	1/89	350.8	341.2	<100	<1	<1	<1.0	<1	<1.0	<1	<11	<11	<1,000
	11/89			<100	<1	<1	<1.0	<1	<1.0	<1	<10	<10	<1,000
MW-17[C]	11/90	365.7	356.1	<100	<1	<1	<1.0	<1	<1.0	<3	<10	<10	<1,000
(Replaced by MW-17R)	11/91			<100	<1	<1	<1.0	<1	<1.0	<3	<10	<10	<1,000
	11/92			<100	<1	<1	<1.0	<1	<1.0	<3	<10	<10	<1,000
	8/95			<1,000	<5	<5	<11	<5	<5	<5	<5	<10	<1,000
	10/95			NA	<5	<5	<5	<5	**2 J**	<5	NA	NA	NA
	8/96			**11**	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	8/97			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	2/99			<10	**1 J**	<10	<10 J	<10	<10	<10	<10	<10	<1,000
	3/00			<10	**8 J**	<10	<10	<10	<10	<10	<5.0	<10	<1,000 J
	9/00			<10 J	**15 J**	<10 J	**1 J**	<10 J	<10 J	<10 J	**24 J**	**4 J**	<1,000 J
	3/01			<10	**8 J**	<10	<10	<10	<10	<10	<10	<10	<1,000

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Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Screen Elev. (ft. AMSL) Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-17[D]	9/01			<10	**5 J**	<10	<10	<10	<10	<10	<10	<10	<1,000
(cont'd)	4/02			<10	**6**	<5	<5	<5	<5	<10	**150** (<5)[F]	**110** (<5)[F]	**620 J**
	10/02			<25 J	**14**	<10	<10	<10	<10	<20	<5[G]	<5[G]	<1,000
	5/03			<12	**8**	<5	<5	<5	<5	<5	<5	<5	<1,000
	11/03			<12	**7**	<5	<5	<5	<5	<10	<5	<5	<1,000
	6/04			<25	**5 J**	<10	<10	<10	<10	<20	<5	<5	<1,000
	11/04			--	--	--	--	--	--	--	<5	<5	**200 J**
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<1,000
	6/06			<5.0	**0.8 J**	<4.0	<3.0	<5.0	<1.0	<5.0	<1.1	<1.1	<1,000
	11/06			R	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<500
	6/07			<5.0	**0.7 J**	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<1.0	<500
	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500 J
	3/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			**2.3 J**	**1.8**	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	3/09			<10	**2.3**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			<10 J	**0.86 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	4/10			<10	**0.22 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	10/10			<10	**1.3**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.6	<1.1	<500 J
MW-18	11/89	325.15	316.15	<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	11/90			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	11/91			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	11/92			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	12/94			<10	<5	<5	<5	<5	<5	<5	<5	<10	<200
	8/95			<1,000	<5	<5	<10	<5	<5	<5	<5	<10	<1,000
	2/96			<1,000	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	8/96			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	2/97			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	8/97			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	9/98			<10	<10	<10	<10	<10	<10	<10	<5[H]	<10	<1,000
	2/99			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	7/99			<10 J	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	3/00			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000 J
	9/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<1,000 J
	3/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	9/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	4/02			<10	<10	<10	<10	<10	<10	<20	**280 D** (<5)[F]	**200 D** (<5)[F]	**720 J**
	10/02			**6 J**	<10	<10	<10	<10	<10	<20	<5[G]	<5[G]	<1,000
	5/03			<12	<5	<5	<5	<5	<5	<5	<5	<5	**280 J**
	10/03			<12	<5	<5	<5	<5	<5	<10	**0.7 J**	<5	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	R	R	<1,000
	11/04			--	--	--	--	--	--	--	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000

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Table 2
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Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Screen Elev. (ft. AMSL) Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-18	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.1	<1.1 J	<1,000
(cont'd)	6/06			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/06			R	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<500
	6/07			<5.0	<1.0	<4.0	<3	<5.0	<1.0	<5.0	<5.0	<1.0	<500
	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	3/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			**5.5**	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.6	<0.6	<500
	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	4/10			<10	<1.0	<1.0	**33**	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	6/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	NA	NA
	10/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	<1.0	<500 J
MW-19[K]	11/89	318.45	309.45	<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	12/94			<10	<5	<5	<5	<5	<5	<5	<5	<10	<200
	8/95			<1,000	<5	<5	<12	<5	<5	<5	<5	<10	<1,000
	10/95			NA	<5	<5	<5	<5	<5	<5	NA	NA	NA
	2/96			<1,000	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	8/96			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	2/97			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	8/97			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	9/98			<10	<10	<10	<11	<10	<10	<10	<5[H]	**5 J**	<1,000
	2/99			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	7/99			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<10	<1,000
	3/00			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000 J
	9/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<1,000 J
	3/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	9/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	4/02			<10	<5	<5	<5	<5	<5	<10	<5	<5	<1,000
	10/02			<25 J	<10	<10	<10	<10	<10	<20 J	<5[G]	<5[G]	<1,000
	5/03			<12	<5	<5	<5	<5	<5	<5	<5	<5	<1,000
	10/03			<11	<5	<5	<5	<5	<5	<10	**51 J**	**16 J**	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	11/04			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.1	<1.1	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<1,000
	6/06			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/06			R	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<500
	6/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.5	<1.1	<500
	11/07			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	3/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.6	<0.6	<500
	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	4/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500

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Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Screen Elev. (ft. AMSL) Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-20[C]	11/89	329.85	320.85	<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	11/90			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	11/91			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	11/92			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
MW-21[C]	11/89	323.65	314.65	<100	<5	<1	<1	<1	<1	<1	<10	<10	<1,000
MW-22[L]	11/89	368.55	359.55	<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	10/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500 J
MW-23S	12/94	364.1	354.1	<10	<5	<5	<5	<5	<5	<5	<5	<10	<200
	8/95			<1,000	<5	<5	<10	<5	<5	<5	<5	<10	<1,000
	2/96			<1,000	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	8/96			<10	<10	<10	<10	<10	<10	<10	**7**	<10	<1,000
	2/97			<10	<10	<10	<10	<10	<10	<10	**11**	<10	<1,000
	8/97			**12**	<10	<10	<10	<10	<10	<10	**92**	<10	<1,000
	9/98			<10	<10	<10	<10	<10	<10	<10	**56[H]**	**7 J**	<1,000
	2/99			<10	<10	<10	<10 J	<10	<10	<10	<10	**10**	<1,000
	6/99			<10 J	<10	<10	<10 J	<10	<10	<10	<10 J	**2 J**	<1,000 J
	7/99			<10 J	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	3/00			<10	<10	<10	<10	<10	<10	<10	<5	**2 J**	<1,000 J
	9/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	**2 J**	<1,000 J
	3/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	9/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	4/02			<10	<5	<5	<5	<5	<5	<10	<5	<5	<1,000
	10/02			<25 J	<10	<10	<10	<10	<10	<20 J	<5[G]	<5[G]	<1,000
	5/03			<62	<25	<25	<25	<25	<25	<50	<5	<5	**380 J**
	10/03			<12	<5	<5	<5	<5	<5	<10	**60**	<5	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	11/04			--	--	--	--	--	--	--	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<1,000
	6/06			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.2	<1.2	<1,000
	11/06			R	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<500
	6/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<1.0	<500
	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	3/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.6	<0.6	<500
	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	4/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	10/10			**3.7 J**	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500 J
MW-23I	12/94	341.2	336.2	<10	<5.0	<5.0	<5	<5	<5.0	<5.0	<5.0	<10	<200
	8/95			<1,000	<5	<5	<10	<5	<5	<5	<5	<10	<1,000
	2/96			<1,000	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	8/96			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	2/97			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000

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Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-23I	8/97			<10	<10	<10	<10	<10	<10	<10	<5	<11	<1,000
(cont'd)	9/98			<10	<10	<10	<10	<10	<10	<10	<5[H]	<10	<1,000
	2/99			<10	<10	<10	<10 J	<10	<10	<10	<10	<10	<1,000
	7/99			<10 J	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	3/00			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000 J
	9/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<1,000 J
	3/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	9/01			**4 J**	<10	<10	<10	<10	<10	**2 J**	<10	<10	<1,000
	4/02			<10	<5	<5	**2 J**	<5	<5	<10	<5	<5	<1,000
	10/02			<25 J	<10	<10	<10	<10	<10	<20 J	<5[G]	<5[G]	<1,000
	5/03			<12	<5	<5	<5	<5	<5	<5	<5	<5	<1,000
	10/03			<12	<5	<5	<5	<5	<5	<10	<5	<5	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	**1 J**	<5	<1,000
	11/04			--	--	--	--	--	--	--	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<1,000
	6/06			<5.0 J	<1.0	<4.0	<3.0	**0.6 J**	<1.0	<5.0	<1.0	<1.0	<1,000
	11/06			R	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<500
	6/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<1.0	<500
	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	3/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	4/10			<10	<1.0	<1.0	**8.4**	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	6/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	NA	NA
	10/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500 J
MW-24S[CL]	12/94	358.4	352.4	<10	<5	<5	<5	<5	<5	<5	<5	<10	<1,000
(Replaced by MW-24SR)	8/95			<1,000	<5	<5	<10	<5	<5	<5	<5	<10	<1,000
	2/96			<1,000	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	2/97			<1,000	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	9/98			<10	<10	<10	<10	<10	<10	<10	<5[H]	<10	<1,000
	6/99			<10 J	<10	<10	<10 J	<10	<10	<10	<10 J	<10 J	<1,000 J
	7/99			<10 J	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	3/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<1,000 J
	9/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	6/02[F]			NA	NA	NA	NA	NA	NA	NA	ND	ND	NA
	10/02			<25 J	<10	<10	<10	<10	<10	<20 J	<5[G]	<5[G]	<1,000
	10/03			<12	<5	<5	<5	<5	<5	<10	**16**	<6	<1,000
	6/04[J]			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	11/04			--	--	--	--	--	--	--	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<1,000

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Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Screen Elev. (ft. AMSL) Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-24S[CL]	11/06			R	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<500
(cont'd)	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.7	<0.6	<500
	9/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
MW-24D[CL]	12/94	334.4	341.2	<10	<5	<5	<5	<5	<5	<5	<5	<10	<1,000
(Replaced by MW-24DR)	8/95			<1,000	<5	<5	<10	<5	<5	<5	<5	<10	<1,000
	2/96			<1,000	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	2/97			<1,000	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	9/98			<10	<10	<10	<10	<10	<10	<10	<5[H]	<10	<1,000
	7/99			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<10	<1,000
	9/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<1,000 J
	9/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	6/02[F]			NA	NA	NA	NA	NA	NA	NA	ND	ND	NA
	10/02			<25 J	<10	<10	<10	<10	<10	<20 J	<5[G]	<5[G]	<1,000
	10/03			<12	<5	<5	<5	<5	<5	<10	**0.5 J**	<5	<1,000
	11/04			--	--	--	--	--	--	--	<5	<5	<1,000
	6/05			<5 J	<1	<4	<3	<5	<1	<5	<1	<1	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.1	<1.1 J	<1,000
	11/06			R	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<500
	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.7	<0.6	<500
	9/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
MW-25S[L]	8/95	361.2	356.2	<1,000	<5	<5	<10	<5	<5	<5	<5	**0.7 J**	<1,000
	10/95			NA	<5	<5	<5	<5	<5	<5	<5	<10	NA
	8/96			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	8/97			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	2/99			<10	<10	<10	<10 J	<10	<10	<10	**130**	<10	<1,000
	6/99			<10 J	<10	<10	<10 J	<10	<10	<10	**110 J**	**21 J**	<1,000 J
	7/99			<10 J	<10	<10	<10	<10	<10	<10	**5 J**	<10	<1,000
	3/00			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000 J
	9/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<1,000 J
	3/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	9/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	4/02			<10	<5	<5	<5	<5	<5	<10	<5	<5	<1,000
	10/02			<25	<10	<10	<10	<10	<10	<20	<5[G]	<5[G]	<1,000
	5/03			<12	<5	<5	<5	<5	<5	<5	<5	<5	<1,000
	11/03			<12	<5	<5	<5	<5	<5	<10	<5	<5	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	11/04			--	--	--	--	--	--	--	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.1	<1.1	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<1,000
	6/06			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/06			R	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<500

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Table 2
Summary of Historical Groundwater Monitoring Data, March 1988 through October 2010

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Screen Elev. (ft. AMSL) Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-25S[L]	6/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<1.0	<500
(cont'd)	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	3/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.2	<0.5	<500
	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	4/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
MW-25D[L]	8/95	349.55	344.55	<1,000	<5	<5	<5	<5	<5	<5	<5	**1 J**	<1,000
	10/95			NA	<5	<5	<5	<5	**3 J**	<5	<5	<10	NA
	8/96			**15**	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	8/97			<10	<10	<10	<10	<10	<10	<10	<5	<11	<1,000
	2/99			<10	<10	<10	<10 J	<10	<10	<10	<10	<10	<1,000
	3/00			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000 J
	3/01			<10	<10	<10	<10	<10	<10	<10	**5 J**	<10	<1,000
	4/02			<10	<5	<5	<5	<5	<5	<10	<5	<5	<1,000
	5/03			<12	<5	<5	<5	<5	<5	<5	<5	<5	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	6/06			<5.0 J	<1.0	<4.0	<3.0	**0.7 J**	<1.0	<5.0	<1.0	<1.0	<1,000
	6/07			**12 J**	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<1.0	<500
	3/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	4/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
MW-26	12/96	365	355.3	<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
MW-27	9/98	362.5	354.5	**23**	**3 J**	<10	<10	**4 J**	<10	**3 J**	**340 DJ**	<10	<1,000
	7/99			<10 J	**4 J**	**3 J**	<10	**2 J**	<10	**8 J**	**740 D**	<10	<1,000
	3/00			<10	**6 J**	**8 J**	<10	<10	<10	**2 J**	**110 D**	**1 J**	<1,000 J
	9/00			<10 J	**4 J**	**3 J**	**1 J**	<10 J	<10 J	**1 J**	**16 J**	**2 J**	<1,000 J
	3/01			<10	**5 J**	**5 J**	<10	<10	<10	**2 J**	**260 D**	**2 J**	<1,000
	9/01			<10	**5 J**	**2 J**	<10	<10	<10	<10	**26**	<10	<1,000 J
	4/02			<18	**7**	**12**	<5	**11**	<5	**26**	**176,000 DJ**	**19 J**	<1,000
	10/02			**9 J**	**3 J**	<10	**60 JN**	<10	**4 J**	<20	**2,700 D**	**100 J**	<1,000
	5/03			<12	**8**	**23**	**43**	**11**	<5	**51**	**15,000 DJ**	**11**	<1,000
	10/03			**170**	**5**	<5	**240 D**	<5	<5	**3 J**	**3,700 D**	<5	<1,000
	6/04			**23 J**	**5 J**	**2 J**	<10	**4 J**	<10	**6 J**	**3,700 D**	**20 J**	<1,000
	11/04			<120 (28)	<50 (**4 J**)	<50 (<10)	**310 (490 D)**	<50 (**2 J**)	<50 (<10)	<100 (<20)	**1,100 DJ**	<5	<1,000
	6/05			**31 J**	**6.1**	**5.8**	<3.0	**15**	<1.0	**15**	**5,200**	<23	<1,000
	11/05			**35 J (37 J)**	**11 (12)**	**26 (26)**	<3.0 (<3.0)	**77 (78)**	<1.0 (<1.0)	**86 (88)**	**37,000 (38,000)**	<270 J (<260 J)	<1,000 (<1,000)
	6/06			**5.3 J (5.8 J)**	**9.5 J (8.9 J)**	**25 J (25 J)**	<3.0 J (<3.0 J)	**50 J (48 J)**	<1.0 J (<1.0 J)	**66 J (63 J)**	**14,000 J (12,000 J)**	<100 J (<100 J)	<1,000 J (<1,000 J)
	9/06			NA	NA	NA	NA	NA	NA	NA	**1,700**	<10	NA
	11/06			**31 [24]**	**14 [14]**	**42 [45]**	<3.0 [<3.0]	**71 [71]**	<1.0 [<1.0]	**91 [110]**	**33,000 [33,000]**	<210 [<200]	<500 [<500]
	6/07			**21**	**8.4**	**14**	<3.0	**9.5**	<1.0	**24**	**1,100**	<10	<500
	8/07			NA	NA	NA	NA	NA	NA	NA	**<10 J [4,300 J]**	<1.0 [<20]	NA

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Syracuse, New York

Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Screen Elev. (ft. AMSL) Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-27	11/07			<5.0 J [<5.0]	**6.6 [5.9]**	**8.6 [7.2]**	<3.0 [<3.0]	**4.7 J [4.1 J]**	<1.0 [<1.0]	**24 [21]**	**3,000 J [3,800 J]**	<25 J [<25 J]	<500 [<500]
(cont'd)	3/08			**21**	**9.4**	**43**	<6.0	**23**	<2.0	**68**	**13,000**	<100	<500
	8/08			**3.8 J**	**5**	**1.8 J**	<3.0	**2.2 J**	<1.0	**10**	**2,400**	<25	<500
	3/09			**14 J**	**8.7**	**36**	<1.0	**9.4**	<1.0	**88**	**8,200 J**	<50 J	<500
	6/09			NA	NA	NA	NA	NA	NA	NA	**7,400 J**	<50 J	NA
	9/09			**10 J**	**6.2**	**5.9**	<1.0	**6.9**	<1.0	**23**	**2,100**	<10	<500
	4/10			<10	**4.5**	**6.1**	<1.0	**2.4**	<1.0	**10**	**1,300**	<10	<500
	10/10			<10	**2.7**	**1.4**	<1.0	**1.3**	<1.0	**3.4**	**220**	**2.5**	NA
MW-28	9/98	363.6	355.6	<5,000 J	<5,000	<5,000	**64,000 J**	<5,000	<5,000	<5,000	**546 D[H]**	**54**	**2,200**
	7/99			<500 J	<500	<500	**39,000 D**	<500	<500	<500	**1,100 D**	**40**	<1,000
	3/00			<10,000	<10,000	<10,000	**130,000 J**	<10,000	<10,000	<10,000	**1,300 D**	**30**	<1,000 J
	9/00			<1,000 J	<1,000 J	<1,000 J	**8,100 BJ**	<1,000 J	<1,000 J	<1,000 J	**540 DJ**	<10	<1,000 J
	3/01			<400	<400	<400	**5,900 B**	<400	<400	<400	**3,200 D**	**7 J**	<1,000
	9/01			<400	<400	<400	**4,700 B**	<400	<400	<400	**1,000 D**	<10	<1,000 J
	4/02			<49	**8**	**9**	**4,600 D**	**6**	<5	**10 J**	**33,400 D**	**57**	<1,000
	10/02			**14 J**	**8 J**	**11**	<10	**6 J**	<10	**12 J**	**2,700 D**	R	<1,000
	5/03			**13**	**4 J**	**2 J**	**52**	**2 J**	<5	**8 J**	**1,000 DJ**	**3 J**	<1,000
	10/03			**24**	**11**	**12**	<5	**6**	<5	**13 J**	**1,900 D**	<5	<1,000
	6/04			**20 J**	**4 J**	**5 J**	<10	**2 J**	<10	**4 J**	**910 D**	<5	<1,000
	11/04			<120 (<25)	<50 (**4 J**)	<50 (**5 J**)	<50 (<10)	<50 (<10)	<50 (<10)	<100 (**3 J**)	**640 DJ**	<5	**190 J**
	6/05			**5.2 J**	**4.5**	**4.6**	<3.0	**1.2 J**	<1.0	**3.9 J**	**630**	<5.0	<1,000
	11/05			**6.8 J (7.8 J)**	**6.1 (5.8)**	**4.7 (4.7)**	<3.0 (<3.0)	<5.0 (<5.0)	<1.0 (<1.0)	<5.0 (<5.0)	**380 J (350 J)**	<2.2 (<2.1)	<1,000 (<1,000)
	6/06			<5.0 J (<5.0 J)	**6.0 J (6.3 J)**	**5.3 J (5.4 J)**	<3.0 J (<3.0 J)	**1.2 J (1.3 J)**	<1.0 J (<1.0 J)	**4.2 J (4.3 J)**	**430 J (530 J)**	<2.1 J (<5.0 J)	<500 J (<1,000 J)
	9/06			NA	NA	NA	NA	NA	NA	NA	**280**	<2.2	NA
	11/06			**12**	**8.2**	**5.6**	<3.0	**1.4 J**	<1.0	**4.4 J**	**1,000**	<5.2	<500
	6/07			**13**	**4.6**	**0.8 J**	<3.0	**0.4 J**	<1.0	**0.6 J**	**60**	<1.0	<500
	8/07			NA	NA	NA	NA	NA	NA	NA	**40**	<1.0	NA
	11/07			<5.0 J	**4.5**	**1.4 J**	<3.0	**0.5 J**	<1.0	**0.8 J**	**29 J**	<0.5 J	<500
	3/08			<5.0	**4.0**	**1.6 J**	<3.0	**0.5 J**	<1.0	**1.3 J**	**81**	**0.9**	<500
	8/08			<5.0	**3.8**	<4.0	<3.0	<5.0	<1.0	<5.0	**0.7 J**	<0.5	<500
	3/09			<10	**3.5**	**0.8 J**	<1.0	**0.3 J**	<1.0	**1.1 J**	**18**	<0.5	**851**
	9/09			<10	**3.1**	**0.32 J**	<1.0	**0.25 J**	<1.0	**0.48 J**	**6.7**	<1.0	<500
	4/10			<10	**2.8**	**0.60 J**	<1.0	**0.23 J**	<1.0	**0.46 J**	<5.0	**0.49 J**	<500
	10/10			<10	**1.8**	<1.0	<1.0	<1.0	<1.0	<3.0	**2.4 J**	**0.60 J**	<500 J
MW-29	9/98	362.9	345.9	<10	<10	<10	<10	<10	<10	**2 J**	<10	**13**	<1,000
	2/99			**7 J**	<10	<10	<10	<10	<10	**1 J**	**5 J**	**4 J**	<1,000
	7/99			<10	<10	<10	<10	<10	<10	<10	**2 J**	**4 J**	<1,000
	3/00			<10	<10	<10	<10	<10	<10	<10	**450 D**	**6 J**	<1,000 J
	9/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	**24 J**	**4 J**	<1,000 J
	3/01			<10	<10	<10	<10	<10	<10	<10	**30**	**4 J**	<1,000
	9/01			<10	<10	<10	<10	<10	<10	<10	**7 J**	**2 J**	<1,000
	4/02			<10	<5	<5	<6	<5	<5	<10	**3 J**	**9**	<1,000
	10/02			<25 J	<10	<10	**4 JN**	<10	<10	<20	**8**	R	<1,000

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NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-29	5/03			<12	<5	<5	<3	<5	<5	<10	**19**	**1 J**	<1,000
(cont'd)	10/03			<12	<5	<5	<5	<5	<5	<10	**2 J**	<5	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	**3 J**	<5	<1,000
	11/04			<120	<50	<50	<50	<50	<50	<100	<5	<5	**420 J**
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<1,000
	6/06			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/06			**5.4**	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	**0.4 J**	<1.0	<500
	6/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	**0.5 J**	<5.5	<1.1	<500
	11/07			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0 J	<0.5 J	<500
	3/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			<10	<1.0	<1.0	<1.0	**0.16 J**	<1.0	<3.0	<5.0	**0.29 J**	<500
	4/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	10/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	<1.0	NA
MW-30	9/98	363.5	355.5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	2/99			**7 J**	<10	<10	<10	<10	<10	<10	<10	**2 J**	<1,000
	7/99			<10	**0.7 J**	<10	<10	<10	**0.5 J**	<10	<10	**1 J**	<1,000
	3/00			<10	<10	<10	**4 J**	<10	<10	<10	**18**	**2 J**	<1,000 J
	9/00			<10 J	<10 J	<10 J	**2 J**	<10 J	<10 J	<10 J	**9 J**	**2 J**	<1,000 J
	3/01			<10	<10	<10	<10	<10	<10	<10	**8 J**	**2 J**	<1,000
	9/01			**4 J**	**2 J**	<10	<10	<10	<10	<10	**8 J**	**1 J**	<1,000 J
	4/02			<10	<5	<5	<5	<5	<5	<10	**250**	**210**	<1,000
	10/02			<25 J	<10	<10	<10	<10	<10	<20 J	R	R	<1,000
	5/03			<62	<25	<25	**8 J**	<25	<25	<50	**18**	0.6 J	<1,000
	10/03			<12	<5	<5	<5	<5	<5	<10	**4 J**	<5	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	11/04			<120	<50	<50	<50	<50	<50	<100	<5	<5	<1,000
	6/05			<5.0 J	**0.3 J**	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/05			<5.0 J	**0.7 J**	<4.0	<3.0	**0.6 J**	<1.0	**0.5 J**	**240**	<1.0 J	<1,000
	6/06			<5.0	**0.6 J**	<4.0	<3.0	**0.4 J**	<1.0	<5.0	**29**	<1.0	<1,000
	11/06			**11**	**1.0**	<4.0	<3.0	<5.0	<1.0	<5.0	**200**	<1.0	<500
	6/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	**30**	<1.1	<500
	11/07			<5.0 J	**0.8 J**	<4.0	<3.0	<5.0	<1.0	<5.0	**49**	<0.5	<500
	3/08			<5.0	**0.6 J**	<4.0	<3.0	<5.0	<1.0	**0.2 J**	**3.0 J**	**0.7**	<500
	8/08			<5.0	**0.7 J**	<4.0	<3.0	<5.0	<1.0	<5.0	**31**	<0.5	<500
	3/09			<10	**0.8 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			<10	**0.78 J**	<1.0	<1.0	**0.17 J**	<1.0	<3.0	**21**	<1.0	<500
	4/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	10/10			<10 J	**0.14 J**	<1.0	**37**	<1.0	<1.0	<3.0	<5.1	<1.0	NA

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Table 2
Summary of Historical Groundwater Monitoring Data, March 1988 through October 2010

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-31	9/98	363.7	355.4	<10	**12**	<10	<10	<10	<10	<10	**34**	**4 J**	<1,000
	7/99			<10	**16**	<10	<10	<10	<10	<10	**230 D**	**3 J**	<1,000
	3/00			<10	**16**	<10	<10	<10	<10	<10	**3 J**	**4 J**	<1,000 J
	9/00			<10 J	**12 J**	<10 J	<10 J	<10 J	<10 J	<10 J	**10**	**6 J**	<1,000
	3/01			**21**	**11**	<10	<10	<10	<10	<10	<10	**5 J**	<1,000
	9/01			<10	**14**	<10	<10	<10	<10	<10	**91 D**	**3 J**	<1,000 J
	4/02			<14	**9**	<5	<5	<5	<5	<10	**804 D**	**21**	<1,000
	10/02			<25	**11**	<10	<10	<10	<10	<20	**560 D**	**1 J**	<1,000
	5/03			<12	**9**	<5	<5	<5	<5	<10	**0.9 J**	**3 J**	<1,000
	10/03			**1,200 D**	**13**	<5	<5	<5	<5	<5	**88**	<5	<1,000
	6/04			**15 J**	**12**	<10	<10	<10	<10	<20	**3 J**	<5	<1,000
	11/04			<25	**9 J**	<10	<10	<10	<10	<20	<5	<5	<1,000
	6/05			<5.0 J	**11**	<4.0	<3.0	<5.0	<1.0	**1.3 J**	**3.2**	**2.7**	<1,000
	11/05			<1.3 J	**6.7**	<0.5	<0.5	<0.4	<0.4	**0.6**	**16**	<1.0 J	<1,000
	6/06			<5.0 J	**11 J**	<4.0 J	<3.0 J	**0.6 J**	<1.0 J	**1.7 J**	<1.0 J	**2.4 J**	<1,000 J
	9/06			NA	NA	NA	NA	NA	NA	NA	**1.6**	**3.4**	NA
	11/06			R	**6.9**	<4.0	<3.0	<5.0	<1.0	<5.0	**0.4 J**	**1.1 J**	<500
	6/07			<5.0	**14**	<4.0	<3.0	**0.7 J**	<1.0	**1.3 J**	<5.0	**2.0**	<500
	8/07			NA	NA	NA	NA	NA	NA	NA	**0.5 J**	**2.7**	NA
	11/07			<5.0 [<5.0]	**12 [10]**	<4.0 [<4.0]	<3.0 [<3.0]	<5.0 [0.4 J]	<1.0 [<1.0]	**1.1 J [1.4 J]**	<5.0 [0.3 J]	**2.3 [2.8]**	<500 J [<500 J]
	3/08			<5.0 J	**2.0**	<4.0	<3.0	<5.0	<1.0	<5.0	**0.2 J**	**1.6**	<500
	8/08			**22**	**13**	<4.0	<3.0	**0.4 J**	<1.0	**2.2 J**	<5.6	**2.4**	<500
	3/09			**9.4 J**	**8.3**	< 1.0	<1.0	**0.6 J**	<1.0	**0.8 J**	<5.0	**2.3**	<500
	9/09			<10	**10**	<1.0	<1.0	**0.49 J**	<1.0	**2.0 J**	<5.0	**2.5**	**730**
	4/10			<10	**4.8**	<1.0	<1.0	**0.40 J**	<1.0	**1.3 J**	<5.0	**2.3**	<500
	10/10			<10	**6.9**	<1.0	<1.0	**0.50 J**	<1.0	**1.5 J**	<5.3	**3.5**	<500 J
MW-32	9/98	364	356	<10	**16**	**5 J**	<10	**2 J**	<10	**3 J**	**6,300 D**	**4 J**	<1,000
	7/99			**3 J**	**14**	**4 J**	<10	**2 J**	**56**	<10	<10	**3 J**	<1,000
	3/00			<10	**5 J**	<10	<10	<10	<10	<10	**800 D**	<10	<1,000 J
	9/00			<10 J	**12 J**	<10 J	<10 J	<10 J	<10 J	<10 J	**4,500 D**	<10	<1,000
	3/01			<10	**5 J**	<10	<10	<10	<10	<10	**1,900 D**	**2 J**	<1,000
	9/01			<10	**10**	<10	<10	<10	<10	<10	**1,100 D**	**2 J**	<1,000 J
	4/02			<15	**4 J**	<5	<5	<5	<5	<10	**4,620 D**	**11**	<1,000
	10/02			<25	**4 J**	<10	<10	<10	<10	<20	**50**	R	<1,000
	5/03			<12	<5	<5	<5	<5	<5	<10	**0.6 J**	**0.7 J**	<1,000
	10/03			**20**	**2 J**	<5	<5	<5	<5	<10	<5	<5	<1,000
	6/04			**6 J**	**1 J**	<10	<10	<10	<10	<20	**1 J**	<5	<1,000
	11/04			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	6/05			<5.0 J	**1.0**	<4.0	<3.0	<5.0	<1.0	<5.0	**0.4 J**	<1.0	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<1,000
	6/06			<5.0 J	<1.0 J	<4.0 J	<3.0 J	<5.0 J	<1.0 J	<5.0 J	<1.0 J	<1.0 J	<1,000 J
	11/06			R	<1.0	<4.0	<3.0	**0.8 J**	<1.0	<5.0	<1.0	<1.0 J	<500
	6/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<1.0	<500

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Table 2
Summary of Historical Groundwater Monitoring Data, March 1988 through October 2010

Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-32	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	**0.1 J**	**0.8**	<500 J
(cont'd)	3/08			<5.0 J	**0.8 J**	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	**0.8**	<500
	8/08			**5.8**	**0.3 J**	<4.0	<3.0	<5.0	<1.0	<5.0	<5.7	<0.6	<500
	3/09			<10	**0.5 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	**1.1**	**1,200**
	4/10			<10	**0.23 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	**0.89 J**	<500
	10/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.2	**0.87 J**	<500 J
MW-33	9/98	344.1	356.1	<10	<10	<10	<10	<10	<10	<10	**9 J**	**6 J**	<1,000
	2/99			<10	<10	<10	<10	<10	<10	<10	**120**	**6 J**	<1,000
	7/99			**5 J**	**2 J**	<10	<23	**0.7 J**	<10	<10	**150**	**8 J**	<1,000
	3/00			<10 J	<10	<10	**11**	<10	<10	<10	**51**	**7 J**	<1,000 J
	9/00			**45 J**	**4 J**	<10 J	**330 DJ**	**1 J**	<10 J	<10 J	**540 D**	**23**	<1,000
	3/01			**17 J**	<20	<20	**370 B**	<20	<20	<20	**1,300 D**	**16**	<1,000
	9/01			**21**	**5 J**	<10	<18	<10	<10	<10	**1,900 D**	**12**	<1,000 J
	4/02			<18	**3 J**	<5	**19**	<5	<5	<10	**2,780 D**	**21**	<1,000
	10/02			**11 J**	**4 J**	<10	**4 J**	<10	<10	<20	**290 D**	**3 J**	<1,000
	5/03			**88**	**13**	<5	**2,800 D**	<5	<5	<10	**2,000**	**35 J**	<1,000
	10/03			**22**	**2 J**	<5	<5	<5	<5	<10	**1,900 D**	<6	<1,000
	6/04			**9 J**	**12 J**	<10 J	<10 J	<10 J	<10 J	<20 J	**2,700 D**	**5 J**	<1,000
	11/04			--	--	--	--	--	--	--	**2,700 D**	**5 J**	<1,000
	6/05			<5.0 J	**11**	<4.0	<3.0	**1.0 J**	<1.0	<5.0	**1,800**	<10	<1,000
	11/05			<5.0 J	**16**	<4.0	<3.0	**1.8 J**	<1.0	<5.0	**3,500**	<25 J	<1,000
	6/06			<5.0 J	**6.7 J**	<4.0 J	<3.0 J	**0.7 J**	<1.0 J	<5.0 J	**370 J**	**3.5 J**	<1,000 J
	9/06			NA	NA	NA	NA	NA	NA	NA	**940**	**8.0**	NA
	11/06			**17 J**	**8.6**	<4.0	<3.0	**0.7 J**	<1.0	<5.0	**84**	**2.9 J**	<500
	6/07			<5.0	**5.7**	<4.0	<3.0	**0.4 J**	<1.0	<5.0	**46**	**2.6**	<500
	8/07			NA	NA	NA	NA	NA	NA	NA	**46**	**4.2**	NA
	11/07			<5.0	**4.0**	<4.0	<3.0	<5.0	<1.0	<5.0	**0.1 J**	**3.5**	<500 J
	3/08			<5.0 J	**4.1**	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	**4.1**	<500
	8/08			<5.0	**3.2**	<4.0	<3.0	<5.0	<1.0	<5.0	<5.9	**2.8**	<500
	3/09			<10	**3.2**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	**2.4**	<500
	9/09			<10	**2.6**	<1.0	<1.0	**0.20 J**	<1.0	<3.0	<5.0	<1.0	<500
	4/10			<10	**1.6**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	**2.0**	<500
	10/10			<10	**1.7**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.1	**2.7**	NA
MW-34	9/98	362.7	354.7	<10	<10	<10	<10	<10	<10	<10	**83**	<10	<1,000
	7/99			**2 J**	**0.9 J**	<10	<10	**1 J**	<10	<10	**380 D**	**2 J**	<1,000
	3/00			<10 J	**1 J**	<10	<10	**2 J**	<10	<10	**200 D**	**3 J**	<1,000 J
	9/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	**320 D**	**4 J**	<1,000
	3/01			<10	<10	<10	<10	**2 J**	<10	**2 J**	**700 D**	**5 J**	<1,000
	9/01			**7 J**	**2 J**	<10	<10	**2 J**	<10	**2 J**	**76**	**3 J**	<1,000 J
	4/02			<32	<5	<5	<5	<5	<5	<10	**640 D**	**15**	<1,000
	10/02			**37 J**	<10	<10	<10	<10	<10	<20	**380 DJ**	**2 J**	<1,000
	5/03			**16**	<5	<5	<5	<5	<5	<10	**140**	**3 J**	<1,000
	10/03			**9 J**	<5	<5	<5	<5	<5	<10	**18**	<5	<1,000

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Table 2
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Periodic Review Report
McKesson Envirosystems Site
Syracuse, New York

Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Screen Elev. (ft. AMSL) Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-34	6/04			**24 J**	<10	<10	<10	<10	<10	<20	**30**	<5	<1,000
(cont'd)	11/04			<25	<10	<10	<10	<10	<10	<20	**14**	<5	**180 J**
	6/05			**5.6 J**	**0.7 J**	<4.0	<3.0	**0.9 J**	**0.4 J**	**1.2 J**	**16**	**2.5**	<1,000
	11/05			**20 J**	<0.3	<0.5	<0.5	**0.9**	<0.4	**1.1**	**12**	**2 J**	<1,000
	6/06			**6.4**	**0.6 J**	<4.0	<3.0	**0.5 J**	<1.0	<5.0	**16**	**2.3**	<1,000
	11/06			**49 J**	<1.0	<4.0	<3.0	**0.6 J**	<1.0	**0.6 J**	**9.9**	**1.2 J**	<500
	6/07			**22**	**0.9 J**	<4.0	<3.0	**0.5 J**	<1.0	**0.6 J**	<5.0	<1.0	<500
	11/07			<5.0	**0.8 J**	<4.0	<3.0	**0.6 J**	<1.0	**1.1 J**	**0.3 J**	**1.5**	<500 J
	3/08			**16**	**1.0 J**	<4.0	<3.0	**0.5 J**	<1.0	**1.1 J**	**24**	**1.3**	<500
	8/08			**12 J**	**0.8 J**	<4.0	<3.0	**0.5 J**	<1.0	**1.1 J**	**0.6 J**	**1.6**	<500
	3/09			**12 J**	**1.4**	<1.0	<1.0	**0.7 J**	<1.0	**1.5 J**	**12**	**2.0**	<500
	9/09			**24**	<1.0	<1.0	<1.0	**0.64 J**	<1.0	**1.7 J**	<5.0	**2.5**	**1,000**
	4/10			**50 J**	**0.82 J**	<1.0	<1.0	**0.42 J**	<1.0	**1.4 J**	<5.0	**2.4**	<500
	10/10			**20**	**1.0**	<1.0	<1.0	**0.44 J**	<1.0	**1.3 J**	**1.8 J**	**2.9**	<500 J
MW-35	9/98	363	355	<10	<10	<10	<10	<10	<10	<10	**6 J**	**5 J**	<1,000
	7/99			<10	**0.7 J**	<10	<10	<10	<10	<10	**3 J**	**4 J**	<1,000
	3/00			<10 J	<10	<10	<10	<10	<10	<10	<10	**2 J**	<1,000 J
	9/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	**3 J**	<1,000
	3/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	9/01			<10	<10	<10	<10	<10	<10	<10	<10	**2 J**	<1,000 J
	4/02			<13	<5	<5	<5	<5	<5	<10	**3 J**	**4 J**	<1,000
	10/02			<25	<10	<10	<10	<10	<10	<20	**2 J**	R	<1,000
	5/03			<12	<5	<5	<5	<5	<5	<10	**1,000**	<100	<1,000
	10/03			**5 J**	<5	<5	<5	<5	<5	<10	**4 J**	<5	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	**30**	**4 J**	<1,000
	11/04			<25	<10	<10	<10	<10	<10	<20	**82**	<5	**240 J**
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<1,000
	6/06			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	**0.4 J**	<1.0	<1,000
	11/06			R	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	**1.1**	<1.0 J	<500
	6/07			**13**	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<1.0	<500
	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500 J
	3/08			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			**5.4**	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	**1.1 J**	<0.5	<500
	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	9/09			**6.5 J**	<1.0	<1.0	<1.0	**0.16 J**	<1.0	<3.0	<5.0	<1.0	**1,100**
	4/10			<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	10/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500 J
MW-36[E]	9/98	363.6	355.6	<10	<10	<10	<10	<10	<10	<10	**290 D**	**6 J**	<1,000
	2/99			<10	<10	<10	<10	<10	<10	<10	**860 D**	**4 J**	<1,000
	7/99			**8 J**	**0.8 J**	<10	<10	<10	<10	<10	**250**	<10	<1,000
	3/00			<10 J	<10	<10	<10	<10	<10	<10	**60**	**7 J**	<1,000 J
	9/00			**5 J**	<10 J	<10 J	<5	<10 J	<10 J	<10 J	**8 J**	**6 J**	<1,000 J
	3/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	9/01			**54**	<10	<10	<10	<10	<10	<10	**350 D**	**5 J**	<1,000 J
	4/02			<20	<5	<5	<5	<5	<5	<10	**9**	**41**	<1,000

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Table 2
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Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
MW-36[E]	10/02			**12 J**	<10	<10	<10	<10	<10	<20	**2 J**	**2 J**	<1,000
(cont'd)	5/03			**9 J**	<5	<5	<5	<5	<5	<10	**67**	**4 J**	<1,000
	10/03			**580 D**	<5	<5	<5	<5	<5	<10	**100**	<5	<1,000
	6/04			**22 J**	<10 J	<10 J	<10 J	<10 J	<10 J	<20 J	**33**	**7**	<1,000
	11/04			**13 J**	<10	<10	<10	<10	<10	<20	**22**	<5	<1,000
	6/05			**24 J**	**2.1**	<4.0	<3.0	<5.0	<1.0	**1.0 J**	**1,200**	<5.4	<1,000
	11/05			**77 J**	**3.6**	**0.6 J**	<3.0	**2.0 J**	<1.0	**2.8 J**	**1,600**	<10 J	<1,000
	6/06			**25**	**1.6**	<4.0	<3.0	**0.7 J**	<1.0	**1.2 J**	**76**	**1.9**	<1,000
	9/06			NA	NA	NA	NA	NA	NA	NA	**3.5**	**1.2**	NA
	11/06			**130 J**	**3.6**	<4.0	<3.0	**1.2 J**	<1.0	**1.1 J**	**420**	**1.7 J**	<500
	6/07			**33**	**4.6**	**0.8 J**	<3.0	**1.4 J**	<1.0	**5.0**	**1,300**	<10	<500
	8/07			NA	NA	NA	NA	NA	NA	NA	**740**	<5.0	NA
	11/07			**10**	**4.5**	**0.9 J**	<3.0	**1.7 J**	<1.0	**5.3**	**480 J**	**3.4 J**	<500 J
	3/08			**8.0 J**	**4.2**	**0.8 J**	<3.0	**1.5 J**	<1.0	**5.5**	**130**	**3.0**	<500
	8/08			**27**	**3.7**	**0.6 J**	<3.0	**1.4 J**	<1.0	**5.7**	**4.5 J**	**3.2**	<500
	3/09			**28**	**2.4**	<1.0	<1.0	**0.8 J**	<1.0	**2.8 J**	**150**	**2.8**	<500
	6/09			NA	NA	NA	NA	NA	NA	NA	**460**	<5.0	NA
	9/09			**21**	**3.1**	<1.0	<1.0	**0.96 J**	<1.0	**3.2**	**390**	**3.1**	<500
	4/10			<10 J	**3.3**	**0.26 J**	<1.0	**1.1**	<1.0	**5.4**	**77**	**2.6**	<500
	10/10			**12**	**3.9**	**0.28 J**	<1.0	**1.2**	<1.0	**4.8**	**620**	<5.0	<500 J
TW-01	12/96	365.1	355.4	<10	**82**	**6 J**	**4 J**	**4 J**	<10	**4 J**	**2,090 D**	**13**	<1,000
	9/98			<10	**15**	**4 J**	<10	<10	<10	<10	**4,400 DEJ**	**4 J**	<1,000
	2/99			<10	**24**	**2 J**	<10	**2 J**	<10	**2 J**	**9,000 D**	**5 J**	<1,000
	7/99			<10	**16**	**3 J**	<10	**1 J**	<10	<10	**4,400 D**	**4 J**	<1,000
	3/00			<10	**16**	<10	<10	<10	<10	<10	**280 D**	**4 J**	<1,000 J
	9/00			<10 J	**11 J**	<10 J	<10 J	<10 J	<10 J	<10 J	**15**	**2 J**	<1,000
	3/01			<10	**5 J**	<10	<10	<10	<10	<10	<10	**3 J**	<1,000
	9/01			<10	**10**	<10	<10	<10	<10	<10	<10	**2 J**	<1,000 J
	4/02			<14	**3 J**	<5	<5	<5	<5	<10	**8**	**13**	<1,000
	10/02			<25	**7 J**	<10	<10	<10	<10	<20	<5	R	<1,000
	5/03			<12	**7**	<5	<5	<5	<5	<10	<5	**1 J**	<1,000
	10/03			<12	**6**	<5	<5	<5	<5	<10	**0.6 J**	<5	<1,000
	6/04			**6 J**	**3 J**	<10	<10	<10	<10	<20	<5	<5	<1,000
	11/04			<25	**2 J**	<10	<10	<10	<10	<20	<5	<5	<1,000
	6/05			<5.0 J	**1.8**	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/05			<1.3 J	**1.9**	<0.5	<0.5	<0.4	<0.4	<0.4	<1.0	<1.0 J	<1,000
	6/06			<5.0 J	**1 J**	<4.0 J	<3.0 J	<5.0 J	<1.0 J	<5.0 J	<1.0 J	**0.8 J**	<1,000 J
	11/06			R	**0.7 J**	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<500
	6/07			**7.8**	**0.5 J**	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<1.0	<500
	11/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	**0.2 J**	**1.1**	<500 J
	3/08			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	**1.0**	<500
	8/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.6	<0.6	<500
	3/09			<10	**1.9**	<1.0	<1.0	<1.0	<1.0	**0.6 J**	<5.0	<0.5	**22,300**
	9/09			**2.9 J**	<1.0	<1.0	<1.0	**0.11 J**	<1.0	<3.0	<5.0	**1.1**	**970**
	4/10			<10	**0.32 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	**1.0**	<500
	10/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.3	**1.3**	<500 J

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Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
TW-02[C]	12/96	363.3	353.3	**53**	**10**	**16**	**42,449 D**	**77**	**585 D**	**65**	**15,900 JD**	**3,920 D**	<1,000
(Replaced by TW-02R)[E]	9/98			<500 J	<500 J	<500 J	**86,000 D**	<500 J	**300 J**	**53,000**	**38,000 D**	**61,000 D**	**5,000**
	2/99			<1,000	<1,000	<1,000	**14,000 B**	**190 J**	<1,000	**150 J**	**83,000 D**	**7,900**	**14,000JN**
	7/99			**630**	**37**	**31**	**9,700 D**	**240 J**	**55**	**150**	**100,000 D**	**3,500 J**	<1,000
	3/00			<1,000 J	<1,000	<1,000	**13,000**	**160 J**	<1,000	**240 J**	**64,000 D**	**3,900**	<1,000 J
	9/00			**190 J**	**28 J**	**35 J**	**390 J**	**95 J**	**6 J**	**160 J**	**79,000**	<10,000	<1,000
	3/01			**81**	**19**	**28**	**400 D**	**68**	<10	**130**	**67,000 D**	**650 J**	<1,000
	9/01			**57**	**25**	**31**	**48 B**	**70**	<20	**140**	**63,000 D**	**32**	<1,000 J
	4/02			**240**	**19**	**23**	**14**	**65**	<5	**96**	**1,090,000 D**	<5,300	<1,000
	10/02			**110 J**	**15**	**23**	<10	**19**	<10	**65**	**80,000 D**	**10 J**	<1,000
	5/03			**240**	**30**	**49**	**97**	**130**	<5	**226**	**160,000 D**	**230**	<1,000
	10/03			**68**	**28**	<5	**91**	**75 J**	**2 J**	<10	**92,000 D**	<260	<1,000
	6/04			**140 J**	**19 J**	**31 J**	**4 J**	**39 J**	<10 J	**111 J**	**82,000**	<5,200	<1,000
TW-02RR[BE]	11/04	363.3	353.3	**18 J**	**4 J**	**4 J**	<10	**8 J**	<10	**16 J**	**7,100 D**	<5	<1,000
	6/05			**7.2 J**	**3.6**	**3.6 J**	<3.0	**2.1 J**	**0.3 J**	**9.6**	**8,400**	<50	<1,000
	11/05			**26 J**	**6**	**3.6**	<0.5	**4.1**	<0.4	**11**	**14,000**	<110 J	<1,000
	6/06			**16**	**4.4**	**2.7 J**	<3.0	**1.3 J**	<1.0	**6.7**	**10,000**	<100	<1,000
	9/06			NA	NA	NA	NA	NA	NA	NA	**7,600**	<52	NA
	11/06			**78 J**	**4.9**	**2.2 J**	<3.0	**1.4 J**	<1.0	**6.2**	**2,100**	<10 J	<500
	6/07			**17**	**5.5**	**4.0**	<3.0	**1.3 J**	<1.0	**8.8**	**6,800**	<100	<500
	8/07			NA	NA	NA	NA	NA	NA	NA	**4,000 J**	<20	NA
	11/07			**5.5**	**5.8**	**3.0 J**	<3.0	**1.2 J**	<1.0	**7.6**	**3,700**	<25	<500 J
	3/08			**6.4 [5.2]**	**4.5 J [2.3 J]**	**3.8 J [1.9 J]**	<3.0 [<3.0]	**1.3 J [0.7 J]**	<1.0 [<1.0]	**10 [4.8 J]**	**7,500 [5,400]**	<50 [<50]	<500 [<500]
	8/08			**9.0 [9.6 J]**	**4.4 [4.6]**	**2.3 J [2.4 J]**	<3.0 [<3.0]	**1.0 J [1.1 J]**	<1.0 [<1.0]	**6.7 [7.0]**	**9,600 [7,000]**	<71 [<56]	<500 [<500]
	3/09			<10 [<10]	**5.0 [4.6]**	**1.5 [1.6]**	<1.0 [<1.0]	**1.0 [1.0 J]**	<1.0 [<1.0]	**4.2 [4.1]**	**2,000 [1,600]**	<10 [<10]	<500 [<500]
	6/09			NA	NA	NA	NA	NA	NA	NA	**2,800 J**	<20 J	NA
	9/09			<10 [<10]	**4.3 [4.2]**	**1.2 [1.3]**	<1.0 [<1.0]	**0.79 J [0.81 J]**	<1.0 [<1.0]	**3.5 [3.6]**	**1,600 J [1,500]**	<10 [<10]	**1,000 [1,200]**
	4/10			**9.5 J [12 J]**	**4.1 [4.0]**	**1.2 [1.2]**	<1.0 [<1.0]	**0.78 J [0.75 J]**	<1.0 [<1.0]	**4.2 [4.0]**	**2,800 J [3,100 J]**	<20 J [<20 J]	<500 [<500]
	10/10			<10 [<10]	**3.3 [3.0]**	**1.0 [0.91 J]**	<1.0 [<1.0]	**0.82 J [0.76 J]**	<1.0 [<1.0]	**3.6 [3.6]**	**760 [810]**	**<5.0 [2.2 J]**	<500 J [<500 J]
PZ-4D	11/89	350.8	345.9	<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	11/90			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	11/91			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	11/92			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	8/95			<1,000	<5	<5	<5	<5	<5	<5	<5	**0.8 J**	<1,000
	10/95			NA	<5	<5	<5	<5	<5	<5	<5	<10	NA
	8/96			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	8/97			<10	<10	<10	<10	<10	<10	<10	<6	<12	<1,000
	2/99			<10	<10	<10	<10 J	<10	<10	<10	<10	<10	<1,000
	3/00			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000 J
	3/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	4/02			<10	<5	<5	<5	<5	<5	<10	<5	<5	<1,000
	5/03			<12	<5	<5	<5	<5	<5	<5	<5	<5	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	6/06			<5.0	<1.0	<4.0	<3.0	**0.5 J**	<1.0	<5.0	<1.0	<1.0	<1,000
	6/07			<5.0	<1.0	<4.0	<3	<5.0	<1.0	<5.0	<5.5	<1.1	<500

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Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Screen Elev. (ft. AMSL) Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
PZ-4D	3/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
(cont'd)	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	4/10			<10	<1.0	<1.0	**5.3 J**	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	6/10			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	NA	NA
PZ-4S	11/89	362.79	357.88	<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	11/90			<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	11/91			<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	11/92			<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	8/95			<1,000	<5	<5	<18	<5	<5	<5	<5	<10	<1,000
	10/95			NA	<5	<5	<5	<5	<5	<5	NA	NA	NA
	8/96			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	8/97			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	2/99			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	6/99			<10 J	<10	<10	<10 J	<10	<10	<10	<10 J	<10 J	<1,000 J
	3/00			<10	<10	<10	<10	<10	<10	<10	<5	<10	<1,000 J
	3/01			<10	<10	<10	<10	<10	<10	<10	<10	**3 J**	<1,000
	4/02			<14	<5	<5	<5	<5	<5	<10	**8** (<5)[F]	<5 (<5)[F]	<1,000
	10/02			<25 J	<10	<10	<10	<10	<10	<20 J	<5[G]	<5[G]	<1,000
	5/03			<12	<5	<5	<5	<5	<5	<5	<5	<5	<1,000
	6/04			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	6/06			<5.0	<1.0	<4.0	<3.0	**0.6 J**	<1.0	<5.0	<1.0	<1.0	<1,000
	6/07			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.5	<1.1	<500
	3/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	3/09			<10	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<0.5	<500
	4/10			<10	<1.0	<1.0	**17**	<1.0	<1.0	<3.0	<5.0	<1.0	<500
	6/10			<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	NA	NA	NA
PZ-5D[L]	11/89	353.5	348.6	<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	12/94			<10	<5	<5	<5	<5	<5	<5	<5	<10	<200
	2/96			<1,000	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	2/97			<1,000	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	9/98			<10	<10	<10	<12	<10	<10	<10	<5[H]	<10	<1,000
	7/99			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<10	<1,000
	9/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<1,000 J
	9/01			<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	10/02			<25 J	<10	<10	<10	<10	<10	<20 J	<5[G]	<5[G]	<1,000
	10/03			<12	<5	<5	<5	<5	<5	<10	**46**	<5	<1,000
	6/04 [J]			<25	<10	<10	<10	<10	<10	<20	<5	<5	<1,000
	11/04			--	--	--	--	--	--	--	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	**0.7 J**	<1.0	<5.0	<1.0	<1.0 J	<1,000
	11/06			R	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<500
	11/07			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.1	<0.5	<500
	9/09			<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500

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Table 2
Summary of Historical Groundwater Monitoring Data, March 1988 through October 2010

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Monitoring Well	Sampling Date	Screen Elev. (ft. AMSL) Top	Bottom	Acetone	Benzene	Ethyl-benzene	Methylene Chloride	Toluene	Trichloro-ethene	Xylene[A]	Aniline	N,N-Dimethyl-aniline	Methanol
NYSDEC Groundwater Quality Standards (Part 700)				50	1	5	5	5	5	5	5	1	NS
PZ-5S[KL]	11/89	361.42	356.52	<100	<1	<1	<1	<1	<1	<1	<11	<11	<1,000
	12/94			<10	<5	<5	<5	<5	<5	<5	<5	<10	<200
	2/96			<1,000	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	2/97			**5 J**	<10	<10	<10	<10	<10	<10	<5	<10	<1,000
	9/98			<10	<10	<10	<12	<10	<10	<10	<5[H]	<10	<1,000
	6/99			<10 J	<10	<10	<10 J	<10	<10	<10	<10 J	<10 J	<1,000
	7/99			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<10	<1,000 J
	9/00			<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10 J	<10	<1,000 J
	9/01			**7 J**	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
	10/02			<25 J	<10	<10	<10	<10	<10	<20 J	<5[G]	<5[G]	<1,000
	10/03			<12	<5	<5	<5	<5	<5	<10	<5	<5	<1,000
	11/04			--	--	--	--	--	--	--	<5	<5	<1,000
	6/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.1	<1.1	<1,000
	11/05			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<1,000
	11/06			R	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<1.0	<1.0 J	<500
	11/07			<5.0 J	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.0	<0.5	<500
	8/08			<5.0	<1.0	<4.0	<3.0	<5.0	<1.0	<5.0	<5.3	<0.5	<500
	9/09			<10 J	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<5.0	<1.0	<500
PZ-8S[I]	9/98	362.6	357.7	<10	<10	<10	<10	<10	<10	<10	<10	<10	<1,000
PZ-11D[D]	11/89	352.09	347.19	<100	<1	<1	<1	<1	<1	<1	<11	<11	<1,000
PZ-11S[D]	11/89	359.09	354.19	<100	<1	<1	<1	<1	<1	<1	<11	<11	<1,000
PZ-12D[D]	11/89	350	345.1	<100	<1	<1	<1	<1	<1	<1	<53	<53	<1,000
	11/90			<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	11/91			<100	<1	<1	<1	<1	<1	<1	<10	<10	**3**
	11/92			<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
PZ-12S[D]	11/89	360	355.1	<100	<1	<1	<1	<1	<1	<1	<10	<10	<1,000
	11/90			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
	11/91			<100	<1	<1	**5**	<1	<1	<3	<10	<10	**6**
	11/92			<100	<1	<1	<1	<1	<1	<3	<10	<10	<1,000
PZ-13D[C]	11/89	349.4	344.4	<100	<1	<1	<1	<1	<1	<1	<11	<11	<1,000
PZ-13S[C]	11/89	359.5	354.5	<100	<1	<1	<1	2	<1	**2**	<11	<11	<1,000

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Table 2
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General Notes:

1. Concentrations are presented in micrograms per liter, which is equivalent to parts per billion.
2. Compounds detected are indicated by bold-faced type.
3. Detections exceeding New York State Department of Environmental Conservation (NYSDEC) Groundwater Standards (Part 700) are indicated by shading.
4. Replacement wells for MW-6, MW-8, MW-9, MW-10, MW-11 and MW-12D were installed 8/95.
5. Replacement wells for MW-17, MW-24S, MW-24D and TW-02 were installed 11/97 - 12/97.
6. The laboratory analytical results for the duplicate sample collected from monitoring well MW-23S during the 7/99 sampling event indicated the presence of methanol at 5.1 milligrams per liter. Because methanol was not detected in the original sample, the duplicate results were determined, based on the results of the data validation process, to be unacceptable. Furthermore, methanol has not been previously detected in groundwater samples collected from this monitoring well. Accordingly, the detection of methanol appears to be the result of a laboratory error and not representative of actual groundwater quality in the vicinity of monitoring well MW-23S.
7. N,N-dimethylaniline data for 10/02 sampling event for MW-1, MW-3S, MW-28, MW-29, MW-32, MW-35 and TW-01 were rejected due to matrix spike and matrix spike duplicate recoveries below control limits. Aniline and N,N-dimethylaniline data for 10/02 sampling event for MW-30 were rejected due to matrix spike and matrix spike duplicate recoveries below control limits. These wells and piezometers are not perimeter monitoring locations and were not resampled.
8. Aniline and N,N-dimethylaniline results of nondetect for the 6/04 sampling event at MW-18 were rejected due to the deviation from a surrogate recovery that was below 10%. This well was not resampled.
9. Volatile organic compound (VOC) results for the 11/04 sampling event were inadvertently lost due to laboratory equipment failure for monitoring locations MW-1, MW-17R, MW-18, MW-23I, MW-23S, MW-24DR, MW-24SR, MW-25, MW-33, PZ-5D and PZ-5S. In addition, the initial VOC results were also irretrievable due to laboratory equipment failure for monitoring locations MW-27, MW-28, MW-29 and MW-30; however, results for subsequent dilutions of these groundwater samples were valid, but the detection limits were high. The duplicate sample VOC results for MW-27 and MW-28 have lower detection limits and are presented in parentheses. These wells were not resampled.

Superscript Notes:

[A] = Data presented is total xylenes (m- and p-xylenes and o-xylenes). For the 1995 data, the listed quantitation limit applies to the analyses conducted for m- and p-xylenes and o-xylenes.

[B] = Because aniline was detected at monitoring well MW-3S at a concentration of 690 ug/l during the September 2001 sampling event, this well was resampled for aniline on November 8, 2001. Aniline was detected in MW-3S during the November 8, 2001 resampling event at a concentration of 69 ug/l.

[C] = Wells/piezometers MW-5, MW-14D, MW-16D, MW-17, MW-20, MW-21, MW-24S, MW-24D, TW-02, PZ-13S, and PZ-13D were abandoned 11/97 - 1/98.

[D] = Wells/piezometers MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12D, PZ-11D, PZ-11S, PZ-12D, and PZ-12S were abandoned during OU No.1 soil remediation activities (1994).

[E] = Wells MW-8S, MW-8D, and TW-02R were abandoned in 8/04 and replacement wells MW-8SR and TW-02RR were installed in 8/04.

[F] = MW-17R, MW-18, and PZ-4S wells/piezometers were resampled for aniline and N,N-dimethylaniline on June 18, 2002 because N,N-dimethylaniline and/or aniline was detected during the April 2002 sampling event. The results of this additional sampling event are shown in parenthesis. MW-24SR and MW-24DR were also sampled for aniline and N,N-dimethylaniline on June 18, 2002, because N,N-dimethylaniline and/or aniline was detected at nearby perimeter monitoring locations during the April 2002 sampling event.

[G] = MW-17R, MW-18, MW-19, MW-23S, MW-23I, MW-24DR, MW-24SR, MW-25S, PZ-4S, PZ-5S and PZ-5D wells/peizometers were resampled for aniline and N,N-dimethylaniline during 1/03, because the 10/02 results were rejected due to matrix spike and matrix spike duplicate recoveries below control limits. These wells and piezometers are perimeter monitoring locations.

[H] = MW-18, MW-19, MW-23I, MW-23S, MW24DR, MW-24SR, MW-28, PZ-5S and PZ-5D wells/piezometers were resampled for aniline during 12/98, because the 9/98 results were rejected due to laboratory error.

[I] = Piezometer PZ-8S was decommissioned 8/00.

[J] = MW-24SR and PZ-5D well and piezometer were sampled during the June 2004 sampling event because N,N-dimethylaniline and/or aniline was detected at nearby perimeter monitoring locations during the October 2003 sampling event.

[K] = Wells/piezometers MW-1, MW-19, and PZ-5S were abandoned 11/10.

[L] = Wells/piezometers, MW-22, MW-24S, MW-24D, MW-25S, MW-25D, PZ-5S and PZ-5D were eliminated from the groundwater monitoring program after the 10/10 sampling event; therefore all data for these locations are presented in this table.

Abbreviations:

AMSL = Above mean sea level (NGVD of 1929).
NA = Parameter not analyzed for.
ND = Not detected.
NS = Standard not available.

Analytical Qualifiers:

D = Indicates the presence of a compound in a secondary dilution analysis.
J = The compound was positively identified; however, the numerical value is an estimated concentration only.
E = The compound was quantitated above the calibration range.
JN = The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
B = The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
< = Compound was not detected at the listed quantitation limit.
U = Undetected.
R = The sample results were rejected.
-- = Sample results are not available. (See Note 9.)