



8976 Wellington Road
Manassas, VA 20109

March 30, 2015

George Heitzman
Division of Environmental Remediation
New York State Dept. of Environmental Conservation
625 Broadway, 11th Floor
Albany, NY 12233-7014

Re: Former IBM Kingston Facility (TechCity Site)
Site Number: 356002
Order on Consent Index: D3-10023-6-11
2014 Annual Groundwater Monitoring Report

Dear Mr. Heitzman:

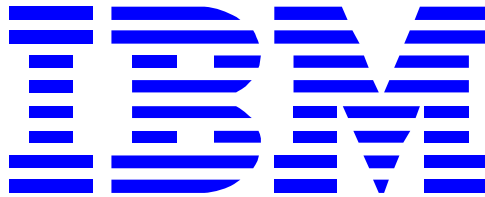
Enclosed please find the 2014 Annual Groundwater Monitoring Report for the former IBM Kingston Facility (TechCity Site). In July 2011, the Part 373 RCRA for the Site was superseded by a Part 375 Order on Consent (Order). This groundwater monitoring report is being submitted per NYSDEC's request. Future groundwater monitoring reports will be included as part of the Periodic Review Reports once the Interim Site Management Plan is approved.

If you have any questions, please call Dean Chartrand at (703) 257-2583.

Sincerely yours,

Edan T. Dionne
Director, Corporate Environmental Affairs

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Former IBM Kingston Facility (TechCity)

Site Number: 356002

Order on Consent Index: D3-10023-6-11

**2014 ANNUAL GROUNDWATER
MONITORING REPORT**

Prepared for:

**IBM Corporate Environmental Affairs
8976 Wellington Road
Manassas, VA 20109**

March 30, 2015

Prepared by:

Groundwater Sciences Corporation

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Table A: Summary of Abbreviations Used in this Report	
111-TCA	1,1,1-Trichlorethane
112-TCA	1,1,2-Trichloroethane
11-DCA	1,1-Dichloroethane
11-DCE	1,1-Dichloroethene
12-DCA	1,2-Dichloroethane
12-DCBZ	1,2-Dichlorobenzene
12-DCE	1,2-Dichloroethene (total)
13-DCBZ	1,3-Dichlorobenzene
14-DCBZ	1,4-Dichlorobenzene
CBZ	Chlorobenzene
CEA	Chloroethane
CIS13-DCPRE	Cis-1,2-Dichloropropene
DCDFM	Dichlorodifluoromethane
DCM	Methylene Chloride (Dichloromethane)
Freon® 113	1,1,2-Trichloro-1,2,2-Trifluoroethane
Freon® 123a	1,2-Dichloro-1,2,2-Trifluoroethane
PCE	Tetrachloroethene
TCE	Trichloroethylene
TCM	Chloroform (Trichloromethane)
VC	Vinyl Chloride

1.0 INTRODUCTION

This Annual Groundwater Monitoring Report, prepared by Groundwater Sciences Corporation (GSC) on behalf of International Business Machines Corporation (IBM), presents the results of the groundwater monitoring and remediation system operation, maintenance, and monitoring activities conducted during the 2013 calendar year at the TechCity (Former IBM Kingston Site (the Site) located at 300 Enterprise Drive, Kingston, Ulster County, New York (see Figure 1-1).

The Site is listed as a Class 4 Site (Site # 356002) in the Registry of Inactive Hazardous Waste Disposal Sites in New York State and is managed in compliance with the Order on Consent (Order), Index # D3-10023-6-11, signed with New York State Department of Environmental Conservation (NYSDEC) by IBM and TechCity on July 8, 2011.

Section 2.0 of this report presents a site overview. Section 3.0 reports the results of the inspections and maintenance of the closed former Industrial Waste Sludge Lagoon (IWSL). Section 4.0 includes the analytical data for groundwater samples collected during the previous annual period (January 1, 2014 through December 31, 2014). Section 5.0 presents the results of the groundwater remediation system operations including a report on the contaminant recovery levels and treatment efficiency data. Section 6.0 provides a summary listing of reports on other activities completed. Section 7.0 provides reference listing of historical documents used in the preparation of this report.

2.0 SITE OVERVIEW

The following sections provide details on Site, including current Site conditions and the Site chronology.

2.1 Site Background

The Site is located north of the City of Kingston in the Town of Ulster, Ulster County, New York and is bounded by John M. Clarke Drive and Route 9W to the east, Old Neighborhood Road and Route 209 to the north, Esopus Creek to the west and Boices Lane to the south (see Figure 2-1).

The approximately 258-acre property was first developed by IBM from farmland during the 1950s. The primary activities included the manufacturing of electric typewriters and the development, manufacture and testing of computer systems and related components and technologies. IBM ceased operations during the early-1990s and the property was subsequently subdivided into multiple parcels. In 1998, IBM sold the Site to AG Properties of Kingston, LLC and Ulster Business Complex, LLC. The Site is currently managed by TechCity Properties, Inc. (TechCity).

The portion of the Site located east of Enterprise Drive is referred to as the East Campus and includes the majority of the buildings at the Site, many of which are vacant. The portion located west of Enterprise Drive is referred to as the West Campus and includes Buildings 201 (B201), Building 202 (B202) and Building 203 (B203); a large parking area south and west of this building complex; and generally undeveloped land further to the southwest and north of this building complex.

IBM completed extensive RCRA Facility Investigations (RFIs) beginning in the 1990s through 2002 to delineate the occurrence and extent of volatile organic compounds (VOCs) in groundwater beneath the Site. Beginning in 2008, IBM has begun and/or completed additional investigations required under the Consent Order and investigations of SWMUs that have become accessible as the result of TechCity's redevelopment activities. These investigations led to the installation and sampling of soil borings and groundwater monitoring wells. Corrective Measures implemented by IBM include the operation and maintenance of a perimeter control system that intercepts the groundwater plume. The perimeter control system consists of two stormwater sewer systems; an

unsaturated portion of the surficial sand unit that underlies the site; a utility trench barrier wall; and a groundwater collection system (see Figure 2-1).

The site was listed as a Class 4 Site (Site # 356002) in the Registry of Inactive Hazardous Waste Disposal Sites in New York State and was managed in compliance with the October 4, 1996 Hazardous Waste Management Permit #3-5154-00067/00090 (6 NYCRR Part 373) (RCRA Permit) until the Order on Consent (Order), Index # D3-10023-6-11, for Site 356002, was signed with New York State Department of Environmental Conservation (NYSDEC) by IBM and TechCity on July 8, 2011.

The Order, which supersedes and replaces the former RCRA Permit, divided the site into ten Operable Units (OUs). The locations of the OUs are depicted in Figure 2-1. Table 2-1 presents a list of the OUs, including TechCity's proposed use for each OU, and which OUs remain listed as a Class 4 Inactive Hazardous Waste Disposal Site.

Table 2-1: Listing of Operable Units, Proposed Use and Status		
Operable Unit	Proposed Use	Status
OU 1	Commercial	
OU 2	Commercial	
OU 3	Commercial	Included as part of the Class 4 Inactive Hazardous Waste Disposal Site # 356002
OU 3a	Commercial	Included as part of the Class 4 Inactive Hazardous Waste Disposal Site # 356002
OU 4	Restricted Residential	
OU 4a	Commercial	
OU 5	Commercial	Included as part of the Class 4 Inactive Hazardous Waste Disposal Site # 356002
OU 6	Commercial	
OU 7	Commercial	
OU 8	Commercial	

2.2 Generalized Geology

The Site is located within the Hudson-Mohawk Lowland Physiographic Province. The bedrock underlying the western portion of the site consists of siltstone and shale of the Middle Devonian Age Lower Hamilton Group. The eastern portion of the site is underlain by both the Lower Hamilton Group and the Lower Devonian Age Onondaga Limestone. The exact location and nature of the contact between these units is not known. The Lower Hamilton Group forms a north-northwest trending bedrock high approximately coincident with Enterprise Drive, and is described as a calcareous shale in boring logs completed during previous site investigations.

Literature on regional geologic conditions indicate that a glacially-derived sand and gravel unit directly overlies the bedrock west of Enterprise Drive and a glacial till unit overlies the bedrock east of Enterprise Drive. These unconsolidated units are overlain by a varved silt and clay unit that is interpreted to be of lacustrine origin, with a thickness of zero feet in an area where it is absent proximate to the bedrock high, to over 180-feet in the central portion of East Campus as determined by previous site borings. The clay portion of the varved silt and clay unit serves as an aquitard throughout most the site, except in the localized area in the vicinity of the bedrock high where it is absent.

A well sorted, fine to coarse-grained sand of lacustrine origin, with intermittent, thin, silty-clay zones, overlies the varved silt and clay (or bedrock where the varved silt and clay is absent in the vicinity of the bedrock high). This surficial sand unit ranges in thickness across the site from approximately 6-feet in the area of the bedrock ridge to greater than 30-feet in the central portion of the East Campus. A discontinuous transition zone of relatively fine-grained materials is present at the base of the surficial sand unit in some areas of the site (GSC, 1997).

Generalized descriptions of the near-surface lithologic units encountered at the site are as follows:

- **Surficial SAND Unit:** Consists of a light brown, fine to medium grained sand containing variable amounts of finer-grained silt and clay. This unit is typically saturated below a depth of approximately 6 to 7-feet below ground surface (ft bgs).
- **SILTY-SAND and CLAY Transition Unit:** Consists of variable amounts of reddish-brown to gray silt, sand, and clay. Typical appearance in a soil core is a silty-sand matrix

containing thin lenses of silt and sandy clay. This unit, if present, is generally encountered between 15 to 20-ft bgs in the vicinity of B001.

- **Varved CLAY Unit:** Consists of red-brown and gray, plastic, cohesive, wet clay with intermittent silt zones. Typical appearance in a soil core is clay with laminae of silt and sometimes very fine-grained sand. This unit is typically encountered at approximately 20 to 25-ft bgs in the B001 area, with greater or lesser depths of first occurrence in localized areas.

The thickness of the sand unit increases and the thickness of the transition unit decreases coinciding with a shallowing of the depth to top-of-clay along the western edge of a clay unit “valley” identified in the *RCRA Facility Investigation on Groundwater Plumes* report (GSC, 1997b). This valley is deepest below B001 and B003 (i.e., approximately 30 ft bgs to the top of the clay unit) and extends southward to the east of Building B025 (B025) and then west towards Boices Lane.

2.3 Generalized Hydrogeology

The varved clay unit serves as an aquitard throughout most the Site. Therefore groundwater in the bedrock and in the deep sand and gravel and glacial till units that underlie the varved silt and clay is under confined conditions. Groundwater within the surficial sand unit that overlies the varved silt and clay unit is unconfined. The surficial sand unit is typically unsaturated in the area of the bedrock high along Enterprise Drive.

The estimated horizontal hydraulic conductivity of the surficial sand unit ranges from approximately 65 feet per day (ft/day) to 270 ft/day (i.e., 2.3×10^{-2} centimeters per second [cm/sec] to 9.5×10^{-2} cm/sec), with an average hydraulic conductivity of approximately 100 ft/day [2.3×10^{-2} cm/sec]. The horizontal hydraulic conductivity of the varved silt and clay unit has been estimated at approximately one (1) foot per day [3.5×10^{-4} cm/sec]. The vertical hydraulic conductivity of this unit is likely significantly lower than its horizontal hydraulic conductivity due to the horizontal bedding structure. The low vertical hydraulic conductivity and thickness of the unit support the designation of the varved silt and clay as an aquitard.

3.0 FORMER INDUSTRIAL WASTE SLUDGE LAGOON AREA

The former Industrial Waste Sludge Lagoon (IWSL), designated as OU-5, was rectangular in shape, approximately 158 feet by 60 feet by 10 feet deep and covered an area of approximately 9,500 square feet (0.22 acres). As constructed in 1955, the lagoon was lined with a six inch layer of clay. In 1978, the sludge lagoon was reconstructed and lined with a 45 mil thick membrane liner with nylon reinforcement. Closure of the sludge lagoon commenced on December 1, 1984 in accordance with a NYSDEC approved closure plan. Sludge and solids were removed in addition to the liner.

Trace levels of residual constituents were left in place below the liner (i.e., below an elevation of 141 feet). Two feet of crushed limestone was placed to an elevation of 143 feet. The lagoon was then backfilled with clean sand to within 6 inches of finished grade and covered with top soil and seeded. Certification of closure was provided to NYSDEC on June 12, 1985.

In addition to the groundwater monitoring network, OU-5 currently includes two other Engineering Control systems associated with the former IWSL that potentially require maintenance: the IWSL cover system and the security fence. The former IWSL is enclosed within an 8-foot high chain-link fence and all gates are locked except when in use. Warning signs are posted around the fence and bear the legend “Danger – Unauthorized Personnel Keep Out”.

The lagoon cover system and security fence were inspected quarterly. Routine maintenance activities were conducted to preserve the integrity and functionality of the soil cover system and included mowing and reseeding as necessary to maintain the grass cover on the closed unit. No repairs were required to either the chain-link security fence or the cover system during the previous annual period.

4.0 GROUNDWATER MONITORING RESULTS

An updated and revised Groundwater Monitoring Plan was approved by the NYSDEC on August 7, 2013 and was implemented during the third quarter 2013. The following sections detail the monitoring completed during the reporting period.

4.1 Summary of Field Activities

4.1.1 Groundwater Monitoring Well Sampling

Sampling and analysis of groundwater was performed at the Site for the previous annual period in accordance with protocols contained in the currently approved Groundwater Monitoring Plan (GMP). The results of the routine groundwater sampling and the associated Quality Assurance/Quality Control data are reproduced in Appendix A.

4.1.2 Physical Well Inventory and Maintenance

During the sampling event, each monitoring well was inspected for integrity in accordance with the Groundwater Monitoring System Inspection Plan. All wells and piezometers, including those in the GMP, were inspected over the period from December 17 through December 19, 2014.

4.1.3 Groundwater Elevation Measurements

During the sampling event, water levels were measured at the hydraulic effectiveness wells. In addition, a full round of water levels was collected quarterly. The results of each of these water level surveys were converted to groundwater elevations and are presented in Appendix B.

4.2 Groundwater Flow

Groundwater elevation measurements were used to generate groundwater elevation contour maps for the shallow water table aquifer underlying most of the developed portion of the site. Four groundwater elevation contour maps were prepared, one for each quarter of 2014, included as Figures 4-1 through Figure 4-4. An enlargement of the northern portion of the site, including the Groundwater Collection System (GWCS) and the installed trench extension, are included on these figures. Also shown on these figures are the locations of the storm sewer systems on the site, the location of the GWCS trench (including the trench extension) and the utility trench barrier wall.

An east-west trending groundwater divide has been identified at the site underlying B001, Building 002 (B002), B003, Building 004 (B004) and Building 005 (B005) (see Figures 4-1 through Figure 4-4). Groundwater to the north of the divide flows west and northwest. Groundwater to the south of the divide flows west and southwest. The water table gradient in the eastern portion of the site and in the vicinity of the GWCS is reportedly higher than the water table gradient in the south and central portion of the site, and estimated horizontal groundwater flow velocities range from approximately 0.8 ft/day to 2 ft/day (GSC, 1997b).

Groundwater flow is influenced by the presence of the perimeter control system (see Figures 4-1 through Figure 4-4), which is composed of:

- A 42-inch diameter storm sewer pipe that extends from east to west along a line south of B001 through B005, and then passes under Enterprise Drive to the south of B201.
- An unsaturated portion of the surficial sand unit that intersects the 42-inch storm sewer south of B201, and extends east-northeast back across Enterprise Drive, and then continues toward the north portion of the site.
- The GWCS extends along the western and northern perimeter of the North Parking Lot Area. The GWCS is comprised of a set of groundwater cut-off trenches. Water collected in the trenches is treated via air stripping.
- A 60-inch diameter storm sewer pipe that intersects the GWCS and extends along the western portion of the North Parking Lot Area.
- A utility trench barrier wall, consisting of an approximately 250-foot long trench backfilled with clay with the base keyed into the Varved Clay Unit and the top of the barrier wall completed a minimum of two feet above the recorded high water table. This barrier wall was installed to mitigate the potential for groundwater migration along the underground utility pipes which ultimately terminate at the former IWTF.

4.3 Chemical Constituents in Groundwater

Identified constituents of concern in the surficial sand aquifer include the following chlorinated VOCs: 1,1,1-trichloroethane [111-TCA], trichloroethene [TCE] and tetrachloroethene [PCE], and

related degradation products (i.e., 1,1-dichloroethene [1,1-DCE], 1,1-dichloroethane [1,1-DCA], 1,2-cis-dichloroethene [1,2-DCE] and 1,2-dichloroethane [1,2-DCA]). Other VOCs have been detected in groundwater, including carbon tetrachloride, Freon® and petroleum hydrocarbons; however, concentrations of these VOCs are generally lower and less extensive than the chlorinated compounds.

Four groundwater plumes have been identified at the site, including:

- The North Parking Lot Area (NPLA) Plume (located to the north of B001 and B003) is primarily composed of TCE and 111-TCA, and to a lesser degree PCE. Based on historic groundwater quality sampling and soil vapor screening investigations, the source areas for this plume are likely associated with historic manufacturing activities in B001, B002, B003, B004 and B005S including industrial waste sewer lines located beneath these buildings (as noted below) and north of B001 and B003. Concentrations of PCE, TCE and 111-TCA in the NPLA Plume appear to originate in the central and western portions of the eastern campus.
- The B005 Plume Area, located beneath B001, B002, B003, B004 and B005, is primarily composed of TCE and 111-TCA. Based on historic groundwater quality sampling and soil vapor screening investigations, this plume is believed to have originated from activities in B001, B003, B004 and B005S.
- An isolated PCE plume, extending from the southern portion of B005 to the 42-inch sewer and originating from a release(s) at a PCE tank located in the southeastern corner of B005.
- The Industrial Waste Treatment Facility (IWTF) Plume, located near Building 036 (B036). The plume in this area is not likely to have originated from the IWTF, but is believed to have migrated from the eastern campus plume along the underground utility pipes prior to the installation of the utility trench barrier wall.

Figures 4-5 and 4-6 present a generalized depiction of areas where groundwater is impacted by VOCs that has been inferred based on historical monitoring data and corresponds to the following compounds: PCE; TCE; 12-DCE; VC; 111-TCA; 11-DCE; 11-DCA; Freon® 113; 12-DCA; TCM and 112-TCA. Compounds less frequently detected include: 12-DCBZ; 13-DCBZ; 14-DCBZ; CBZ and; CEA. Figures 4-5 and 4-6 also include postings of the results from the fourth quarter sampling

event for each of the major constituent(s) and their associated degradation products. These two maps also include the delineation of the limits of hydraulic control shown as the site control perimeter. In general, groundwater plumes in the shallow sand aquifer are contained within this boundary with the exception of those plumes associated with the former IWSL area.

5.0 GROUNDWATER REMEDIATION SYSTEM OPERATION, MAINTENANCE AND MONITORING (OM&M)

The Groundwater Remediation System consists of the GWCS and NPLA together with the associated treatment system. The OM&M Plan details the various components of the ongoing operations and maintenance of the system. Maintenance includes such items as pump replacement and routine cleaning of the air stripper units and components.

5.1 Groundwater Remediation System Components

5.1.1 Groundwater Collection System (GWCS)

The two main elements of the GWCS are the interceptor trench and the lateral trench as shown on Figure 5-1. The interceptor portion of the GWCS lies more or less perpendicular to the direction of groundwater flow. The trench has been keyed into the relatively impermeable lacustrine silt and clay unit beneath the surficial sand water-bearing unit and, as such, fully intercepts groundwater flow.

From December 1986 through the end of June 1994, the interceptor trench portion of the GWCS consisted of five manholes which are connected by 6-inch diameter perforated pipe. Water recovered from these trenches was passed through the on-site Industrial Waste Treatment Facility (IWTF) for removal of volatile organic compounds (VOCs) using counter-current air stripping towers. During early 1994, upgrades to the GWCS included the installation of new pumps in the associated trench manholes, the construction of a new treatment building and the installation of shallow tray aerator units.

As of July 8, 1994, these units were put on-line and groundwater collected by the GWCS was conveyed to the treatment building, subjected to tray aeration and discharged to sanitary sewer. Additionally, the northwest leg of the GWCS was extended approximately 240 feet with three additional trench manholes and one pump station installed, Figure 5-1. The trench extension project was completed in May 1995. On July 10, 1996 the discharge from the tray-aerators was connected to the storm sewer system under a New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) permit.

5.1.2 North Parking Lot Area (Passive Groundwater Collection System)

Beginning in 1996, IBM initiated a storm-sewer re-routing project at the Site. This project involved the installation of a new storm sewer line and re-routing of certain connections to mitigate groundwater infiltration of the storm system. Compliance with SPDES Permit discharge limits at several outfalls to the storm system was the primary focus of the project; however, as a secondary result is the continued use of the now inactive storm sewer line as a collection trench for infiltrating groundwater. The end result of the re-routing project is such that storm water and dry weather flows meeting the SPDES permit limits continue to discharge to the outfalls and the groundwater collected in the inactive system is re-routed to the GWCS treatment building prior to discharge to a SPDES-permitted outfall. The NPLA system, consisting of two pump stations, Pump Station-1 (PS-1), Pump Station-2 (PS-2), and associated conveyance piping, went online in December 1997.

5.1.3 Groundwater Treatment System

There is one groundwater treatment system installed and operating at the Site to treat groundwater extracted by the GWCS and the NPLA. The system consists of a 1200 gallon, 4-foot diameter, conical bottom grit tank, two (2) Type 304L stainless steel North East Environmental Products Shallow Tray air strippers (Model 2641), the electrical supply and distribution system, instrumentation and controls.

The GTF is designed to treat in excess of 120,000 gallons per day or approximately 83 gallons per minute (gpm) of groundwater. The average treatment system flow rate is typically between 30 to 50 gpm. The maximum SPDES permitted limit is 120,000 gallons per day or approximately 83 gpm.

5.2 **Summary of Operations**

Daily operating data for the GWCS and NPLA are presented in Appendix C. With the exception of minimal downtime for routine maintenance activities and minor repairs, the groundwater treatment system was operated in accordance with the NYSDEC approved Operations, Maintenance and Monitoring Plan.

Appendix D contains a summary printout of the GWCS and NPLA sampling data for the reporting period and also includes treatment system monitoring results for the samples collected under the SPDES Permit including the final effluent from the treatment system, Outfall 01A.

5.3 Evaluation of the Groundwater Remediation System

The Groundwater Remediation System including the GWCS, NPLA and the on-site treatment system operated as designed during the reporting period and VOC effluent concentrations were within the limits set for SPDES discharge.

Mass removal calculations for the Groundwater Remediation System are presented in Appendix D. Approximately 26.2 million gallons of groundwater was collected and treated from the GWCS or, on average, 71,702 gallons per day over the 2014 calendar year. The average pumping rate was approximately 49.8 gpm. For this annual period, approximately 52.8 pounds of VOCs were removed by the GWCS.

Approximately 3.628 million gallons of groundwater was collected from the NPLA pumpstations or, on average, 9,942 gallons per day over the 2014 calendar year. For this annual period, approximately 2.9 pounds of VOCs were removed by the NPLA.

6.0 OTHER ACTIVITIES AND REPORTING

Several activities were conducted at the Site in 2014 under the oversight of NYSDEC. These investigations included implementation of the NYSDEC approved work plans under the current Consent Order. The investigation results have been reported and submitted to NYSDEC in separate reports and are not included herein. Following is a summary of activities and submittals for the 2014 Calendar Year:

Well Decommissioning Request (*September 15, 2014*)

Annual Vapor Intrusion Assessment Report, (*June, 2014*), Golder Associates.

SWMU S 90% Design Interim Corrective Measures Work Plan (*July 2014*), Golder Associates

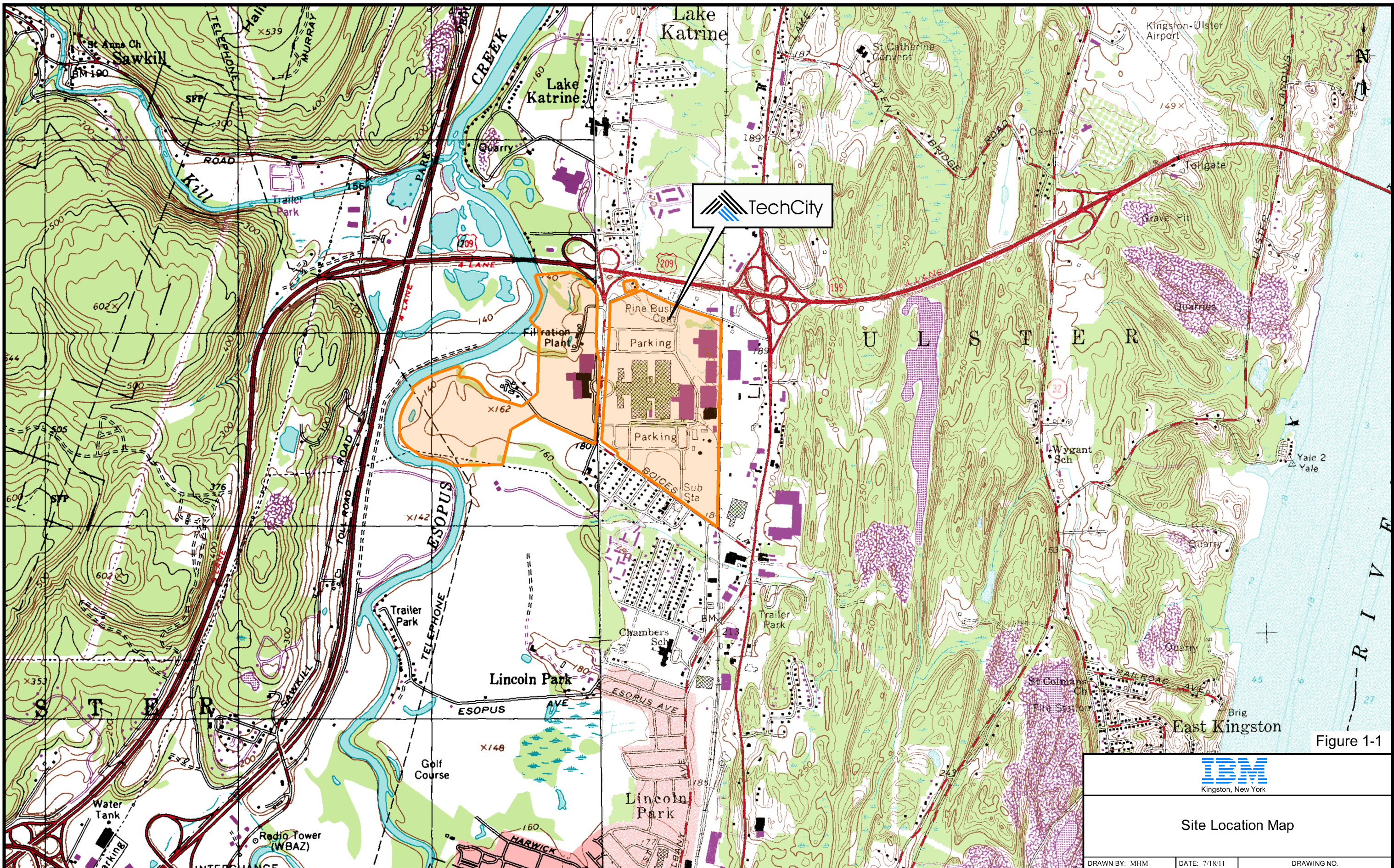
Final (100% Design) Interim Corrective Measures Work Plan (*Sept 2014*), Golder Associates

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Portions of the Kingston East (1963, photorevised 1980) and Kingston West (1997) 7.5 Minute USGS Quadrangles

Scale
0 750' 1500'

Figure 1-1



Site Location Map

DRAWN BY: MHM	DATE: 7/18/11	DRAWING NO. 93002-059-E7
CHECKED & APPROVED BY: DAB		

GROUNDWATER SCIENCES CORPORATION

- SOLID WASTE MANAGEMENT UNITS (SWMUs)**
- A: B029 Chemical Distribution Center
 - B: B036 Container Storage Area
 - C: Former B058
 - D: Former Waste Acetone Storage Tank
 - E: Former Waste IPA Storage Tank
 - F: Former East Side Waste Tanks
 - G: Former Waste PCE Tank
 - H: Former East SRP Tank
 - I: Former West SRP
 - J: Wastewater Treatment Tanks
 - K: Emergency Wastewater Holding Tanks
 - L: Former Industrial Waste Sludge Lagoon
 - M: Industrial Waste Sewer Lines
 - N: Inactive B036 Construction and Debris Landfill
 - O: Salt Barn Parking Lot Sand Fill Area
 - P: Former B035 Dry Well
 - Q: Former B031 Lagoon
 - R: Former Waste TCA Tank (B005(S))
 - S: Former Waste TCA Tank (B001)
 - T: Former Waste Oil Tank
 - U: North Parking Lot Area Plume
 - V: B005 Plume
 - W: Former B004 Separator Tank
 - X: B031 Separator
 - Y: Former Fluoride Wastewater Ejector Tank
 - Z: Inactive B033 Septic System
 - AA: Inactive B031 Septic System
 - AB: Former B001 TCA Recovery Unit
 - AC: Former B005(S) Solvent Recovery Process Unit
 - AD: Former Fire Training Area
 - AE: B202 Elevator No. 2
 - AF: Inactive West Demolition Debris Fill Area

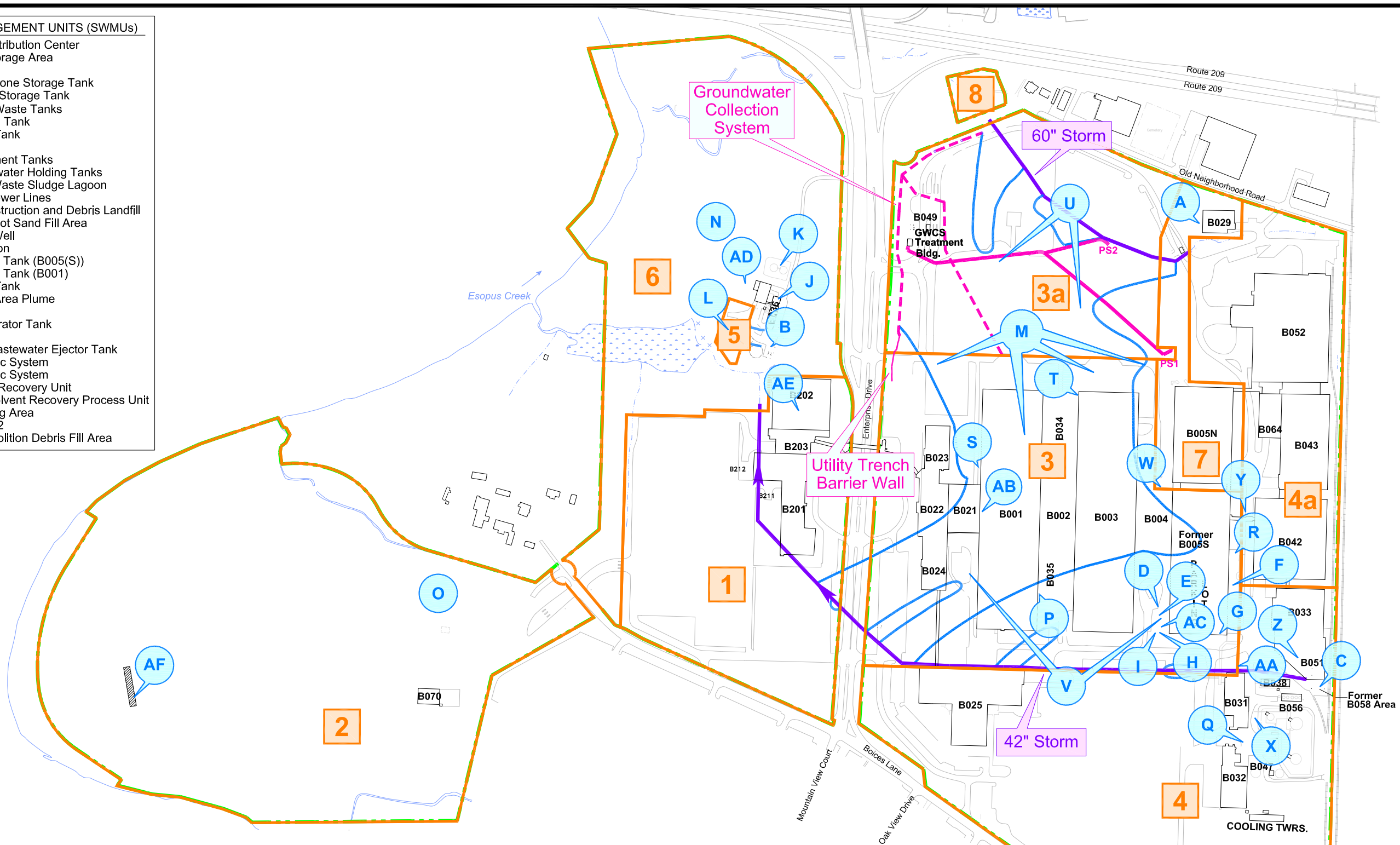


Figure 2-1



Site Layout and Area Map

DRAWN BY: MHM DATE: 9/16/11 DRAWING NO. 93002-113-D6
CHECKED & APPROVED BY: DAB



LEGEND

- Storm Sewer Line

- Area of 1,1,1-Trichloroethane/
Trichloroethene >5 µg/l (5/08)

- Groundwater Collection System (GWCS)

- Utility Trench Barrier Wall

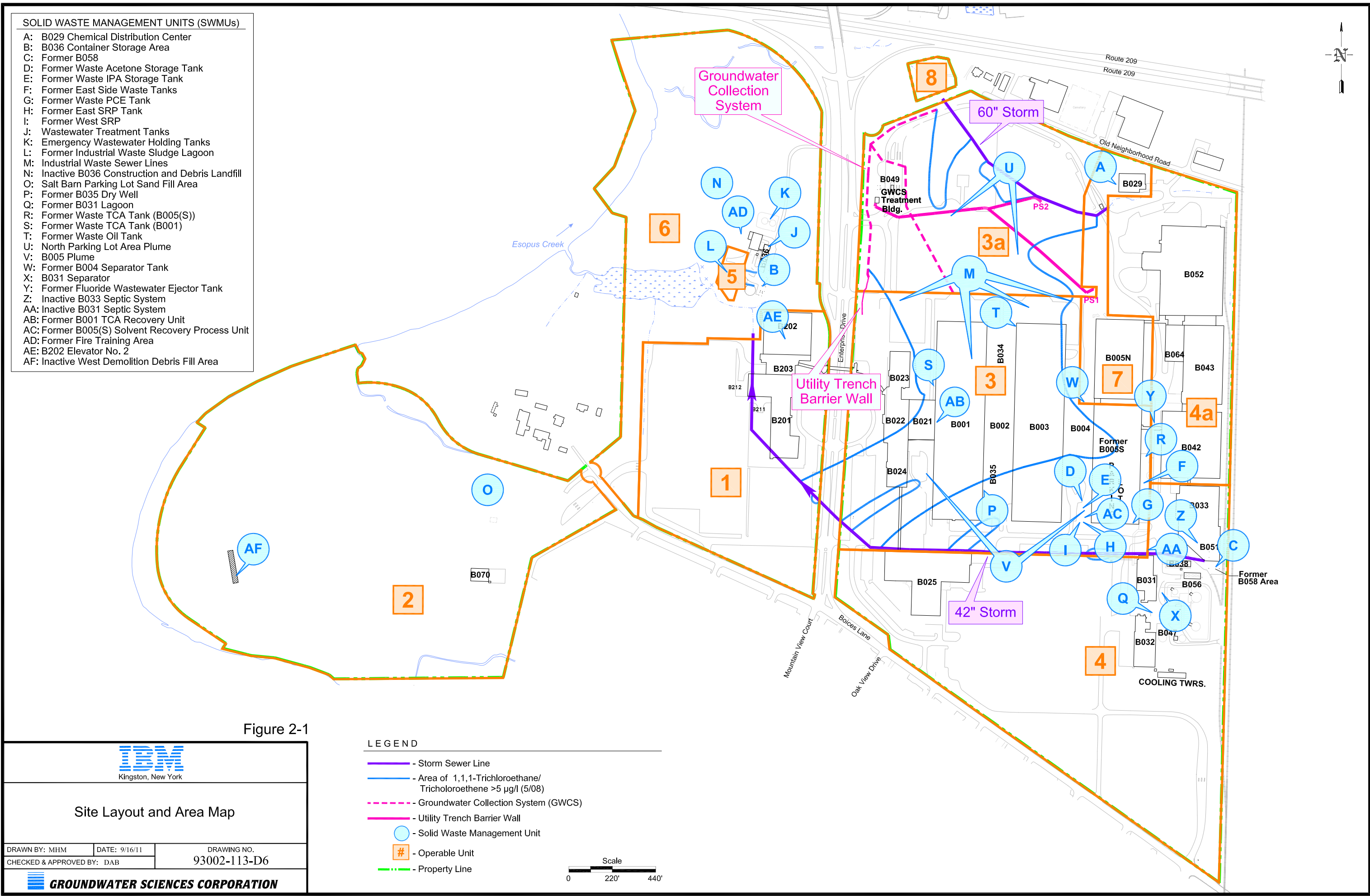
- Solid Waste Management Unit

- Operable Unit

- Property Line

Scale

0 220' 440'



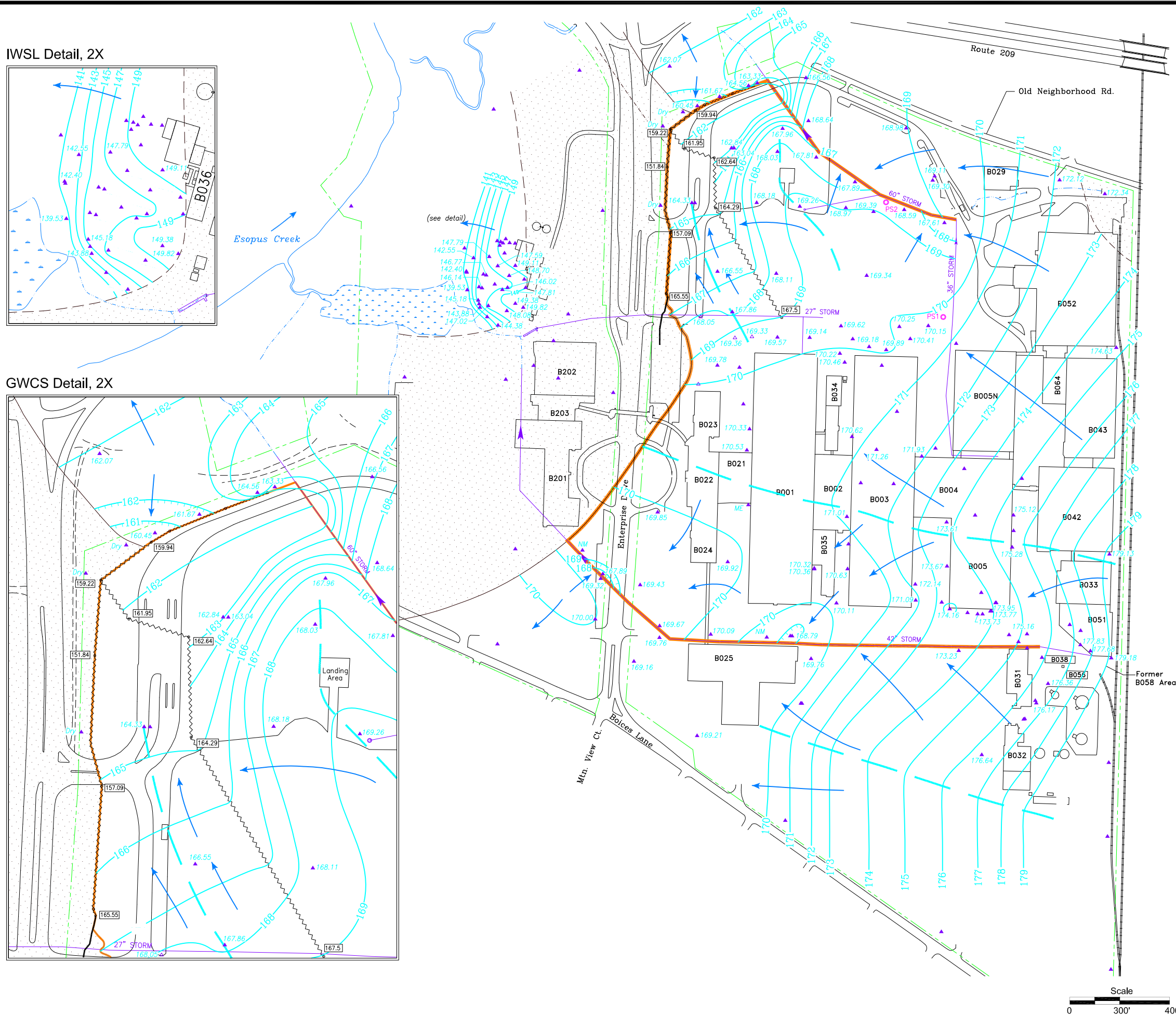
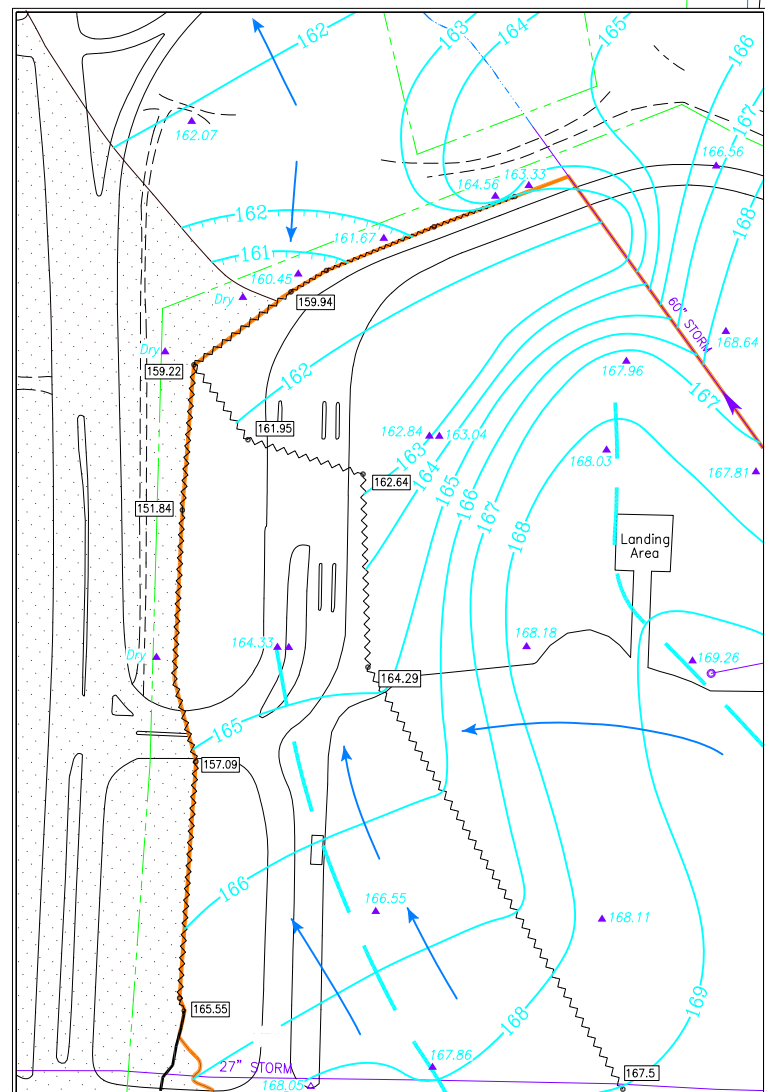
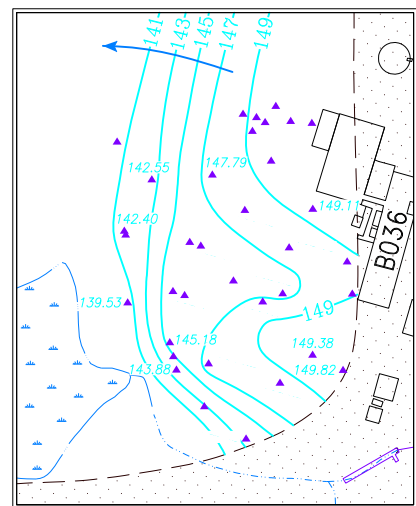


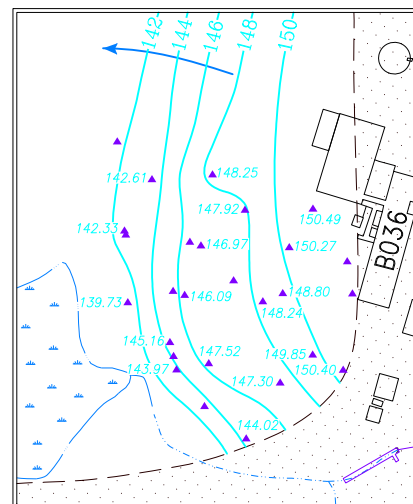
Figure 4-1

Surficial Sand Aquifer
Groundwater Elevation Contour Map
March 21, 2014 (First Quarter 2014)

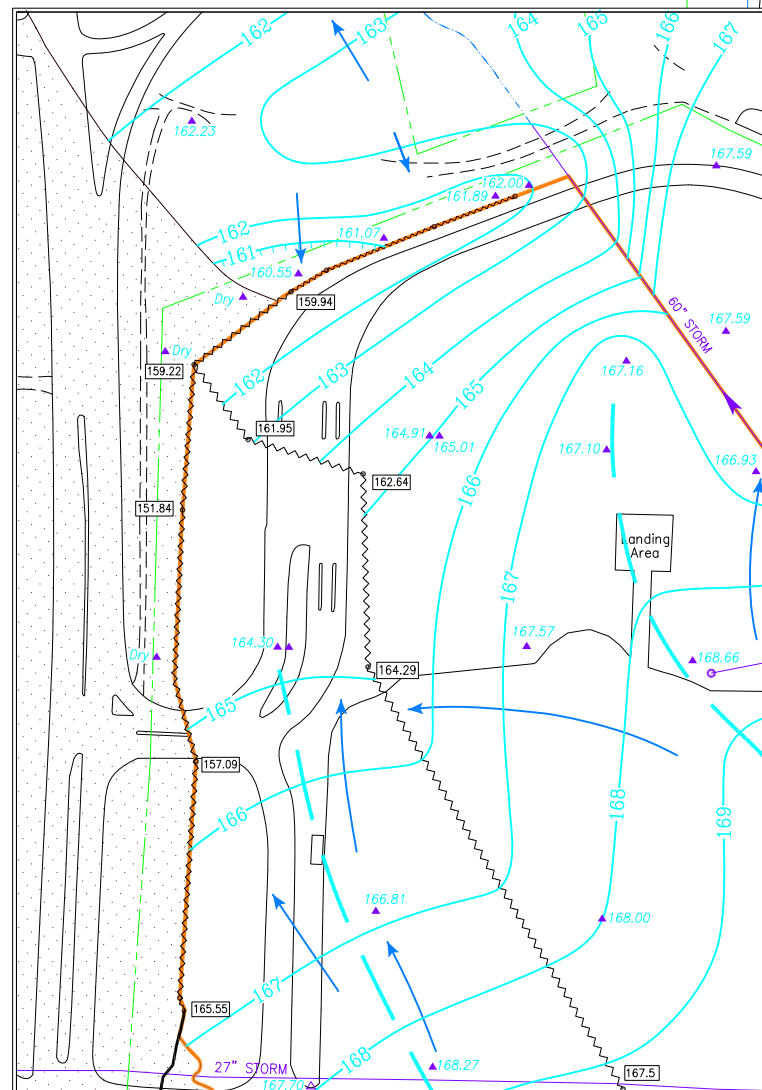
DRAWING NO.

93002-118-M1

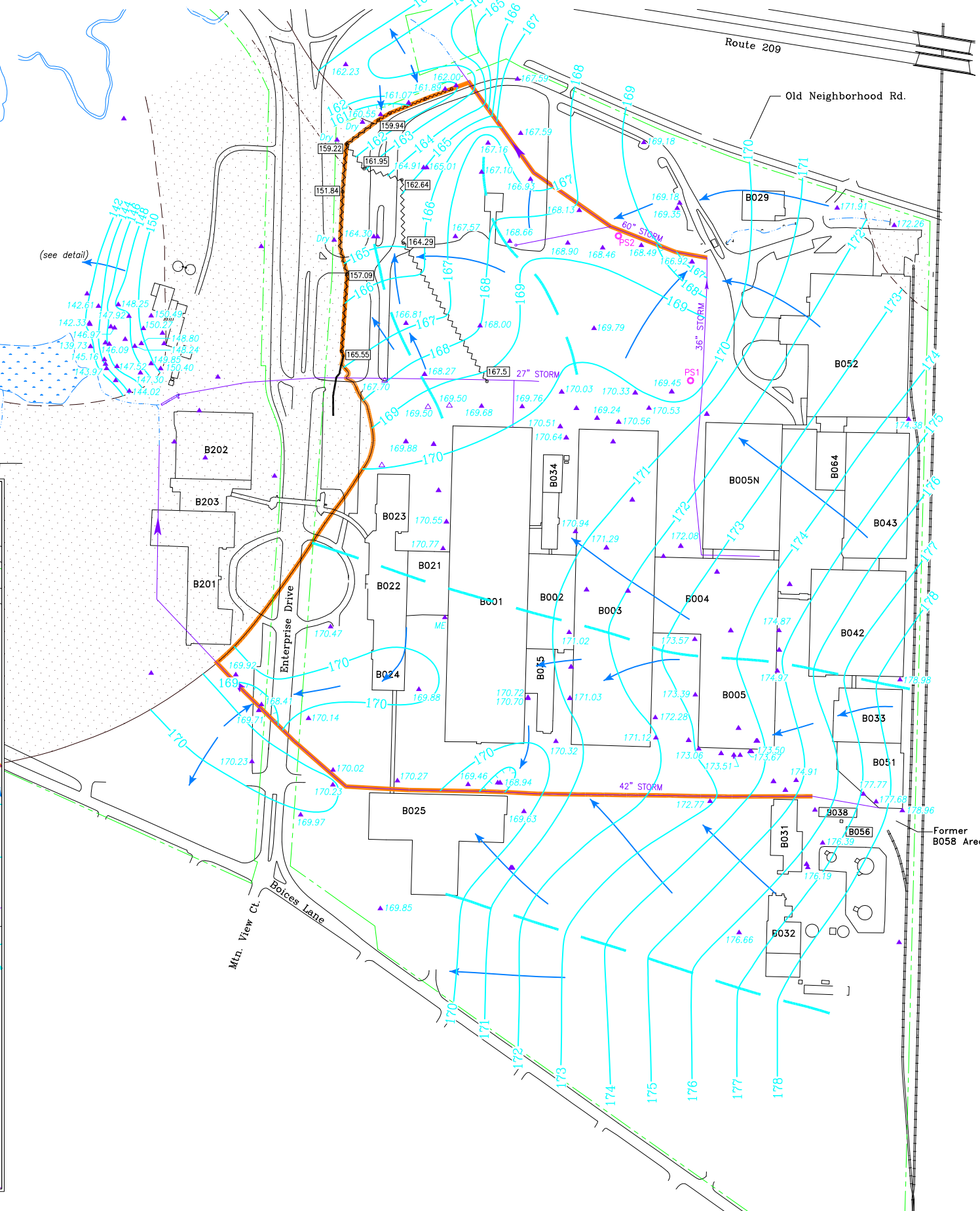
IWSL Detail, 2X



GWCS Detail, 2X



(see detail)



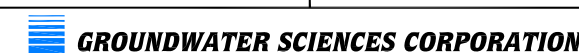
- ▲ - Monitoring Well Location (installed in soil)
- ▲ - Temporary Monitoring Point
- - North Parking Lot Area Pump Station
- - Property Line
- - Site Control Perimeter
- 178— - Groundwater Elevation Contour
- 169.85 - Groundwater Elevation
- ME - Measurement Error
- NM - Not Measured
- - - - - Groundwater Divide
- - Inferred Direction of Groundwater Flow
- ~~~~~ - Groundwater Collection System (GWCS)
- ~~~~~ - GWCS Trench Extension
- 162.64 - GWCS Invert Elevation
- / - Subsurface Utility Trench Barrier Wall
- ▨ - Perennially Saturated Shallow Sand Absent

Figure 4-2



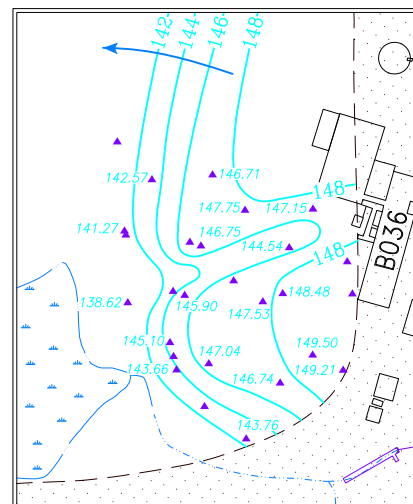
**Surfacial Sand Aquifer
Groundwater Elevation Contour Map
June 17-18, 2014 (Second Quarter 2014)**

DRAWN BY: MHM	DATE: 3/18/15	DRAWING NO.
CHECKED & APPROVED BY: CES		93002-118-N1

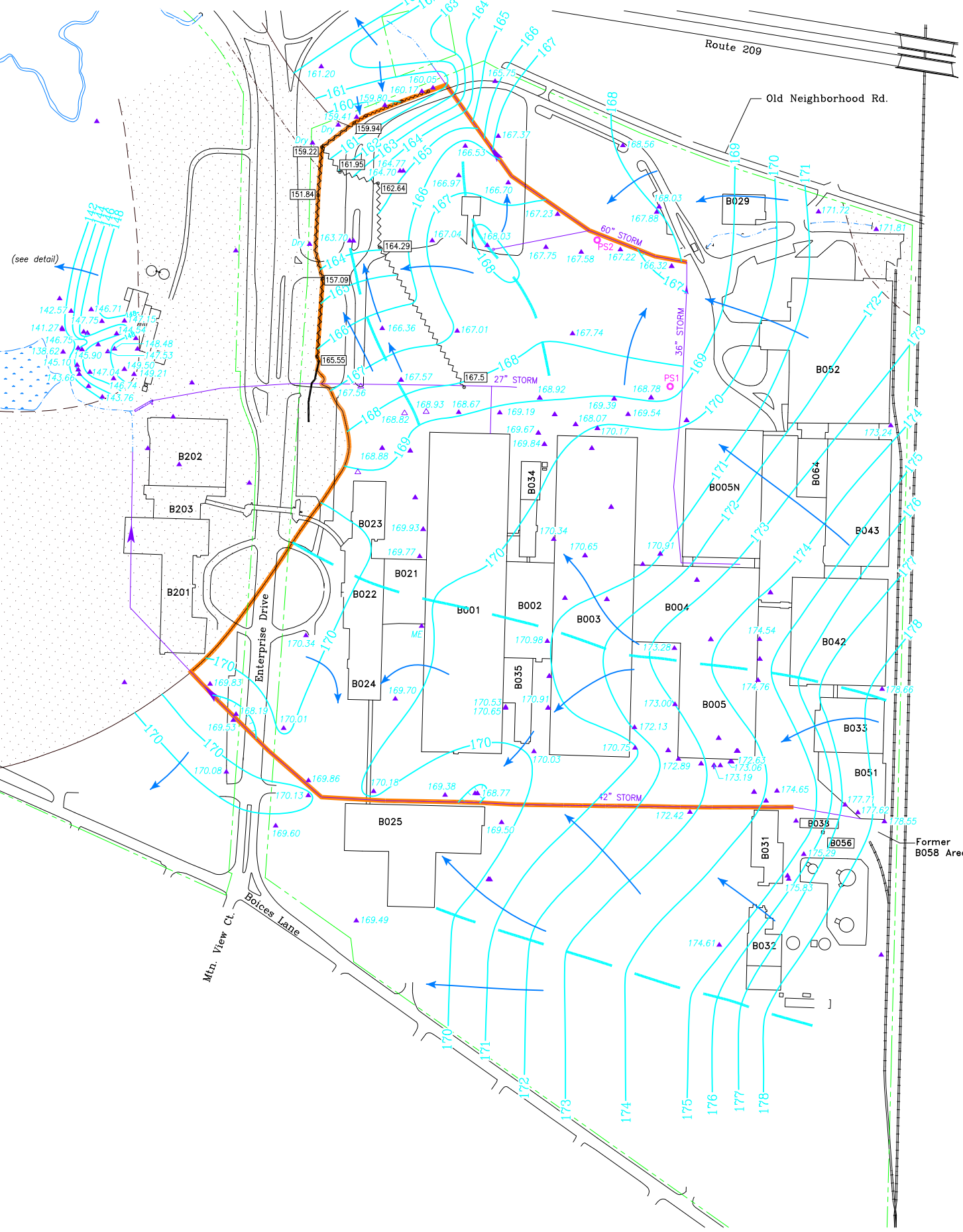
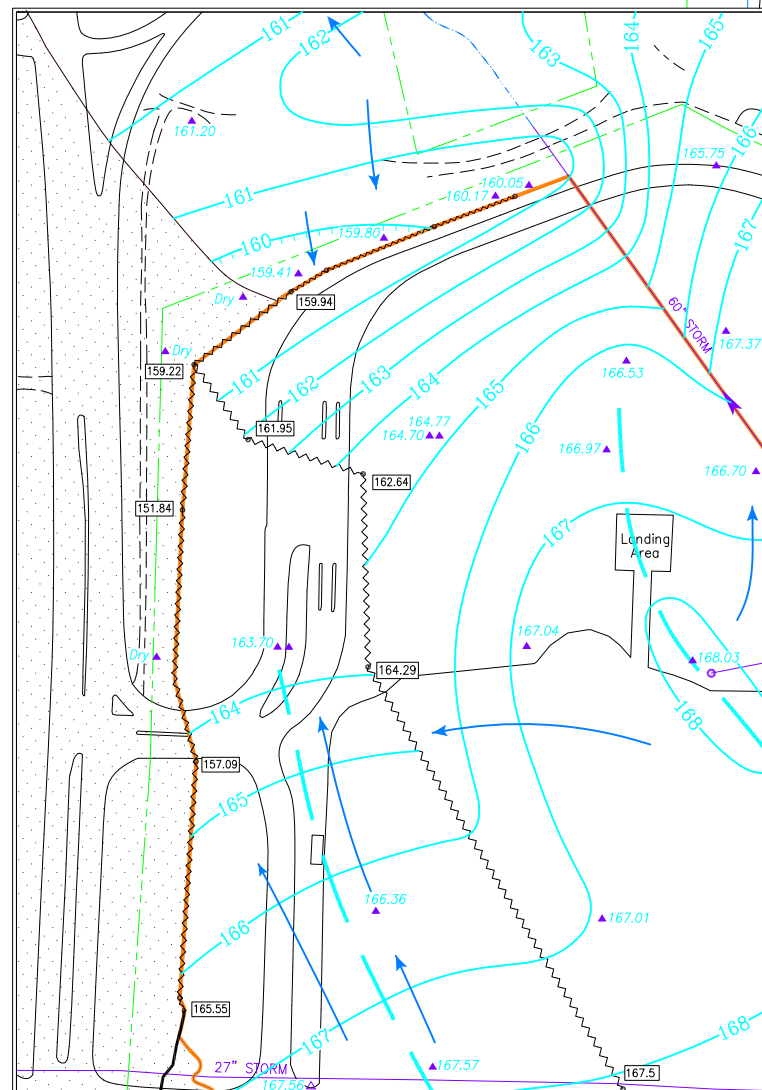


Scale
0 300' 400'

IWSL Detail, 2X




GWCS Detail, 2X



- ▲ - Monitoring Well Location (installed in soil)
- ▲ - Temporary Monitoring Point
- - North Parking Lot Area Pump Station
- - Property Line
- - Site Control Perimeter
- - Groundwater Elevation Contour
- 169.85 - Groundwater Elevation
- ME - Measurement Error
- NM - Not Measured
- - Groundwater Divide
- - Inferred Direction of Groundwater Flow
- - Groundwater Collection System (GWCS)
- - GWCS Trench Extension
- 162.64 - GWCS Invert Elevation
- - Subsurface Utility Trench Barrier Wall
- - Perennially Saturated Shallow Sand Absent


Figure 4-3

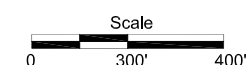


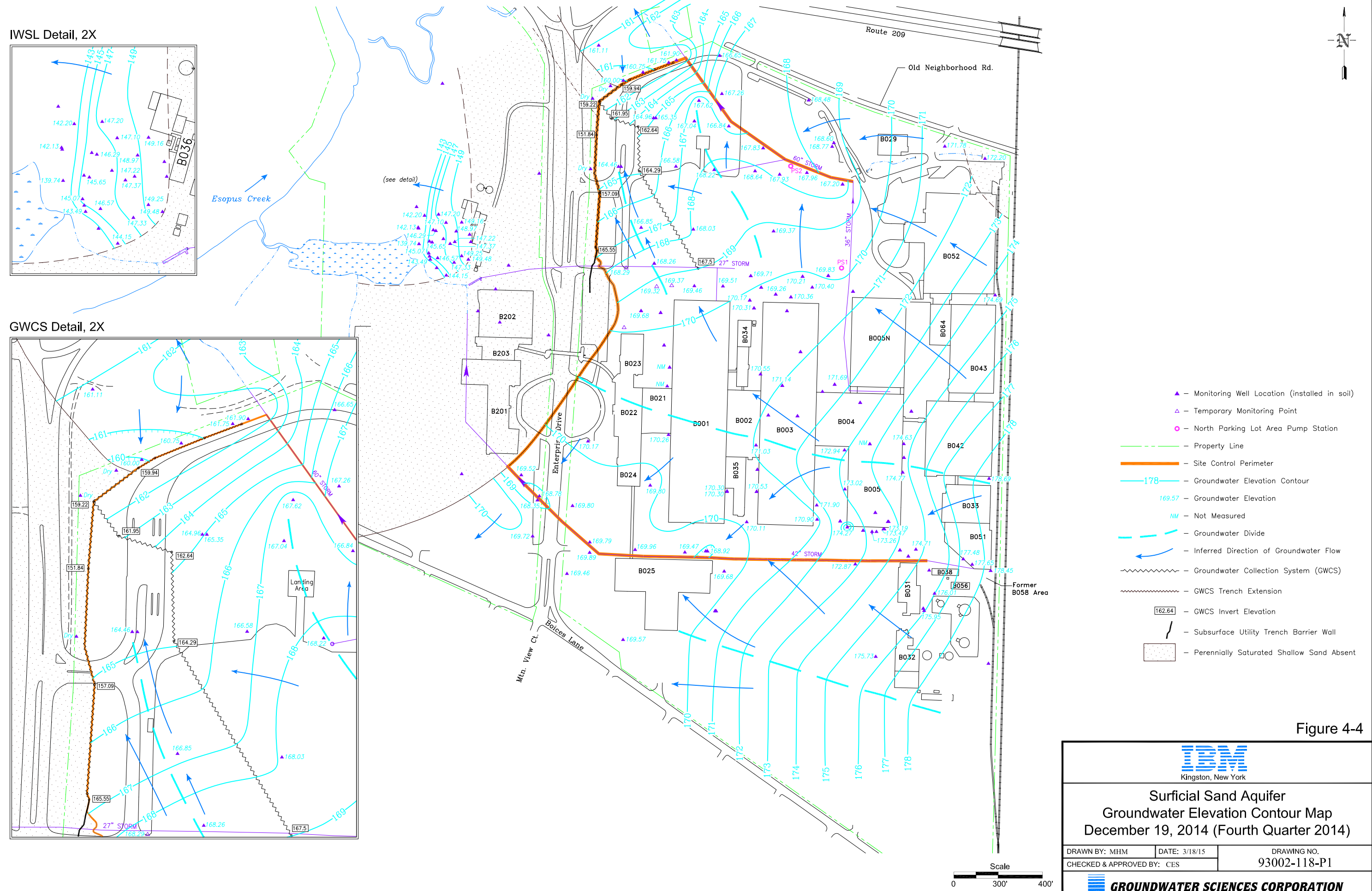
Kingston, New York

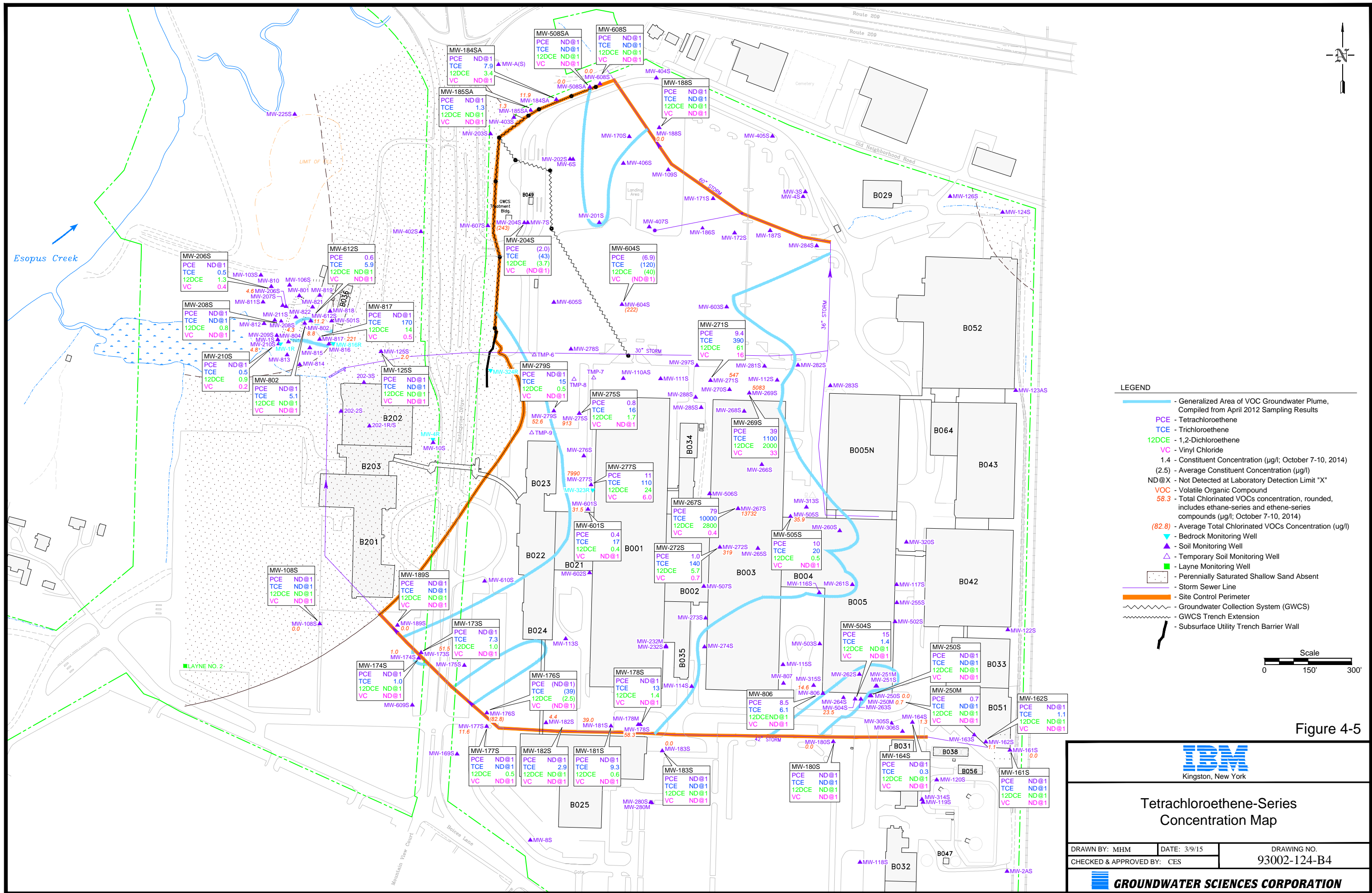
Surfacial Sand Aquifer Groundwater Elevation Contour Map September 23-24, 2014 (Third Quarter 2014)

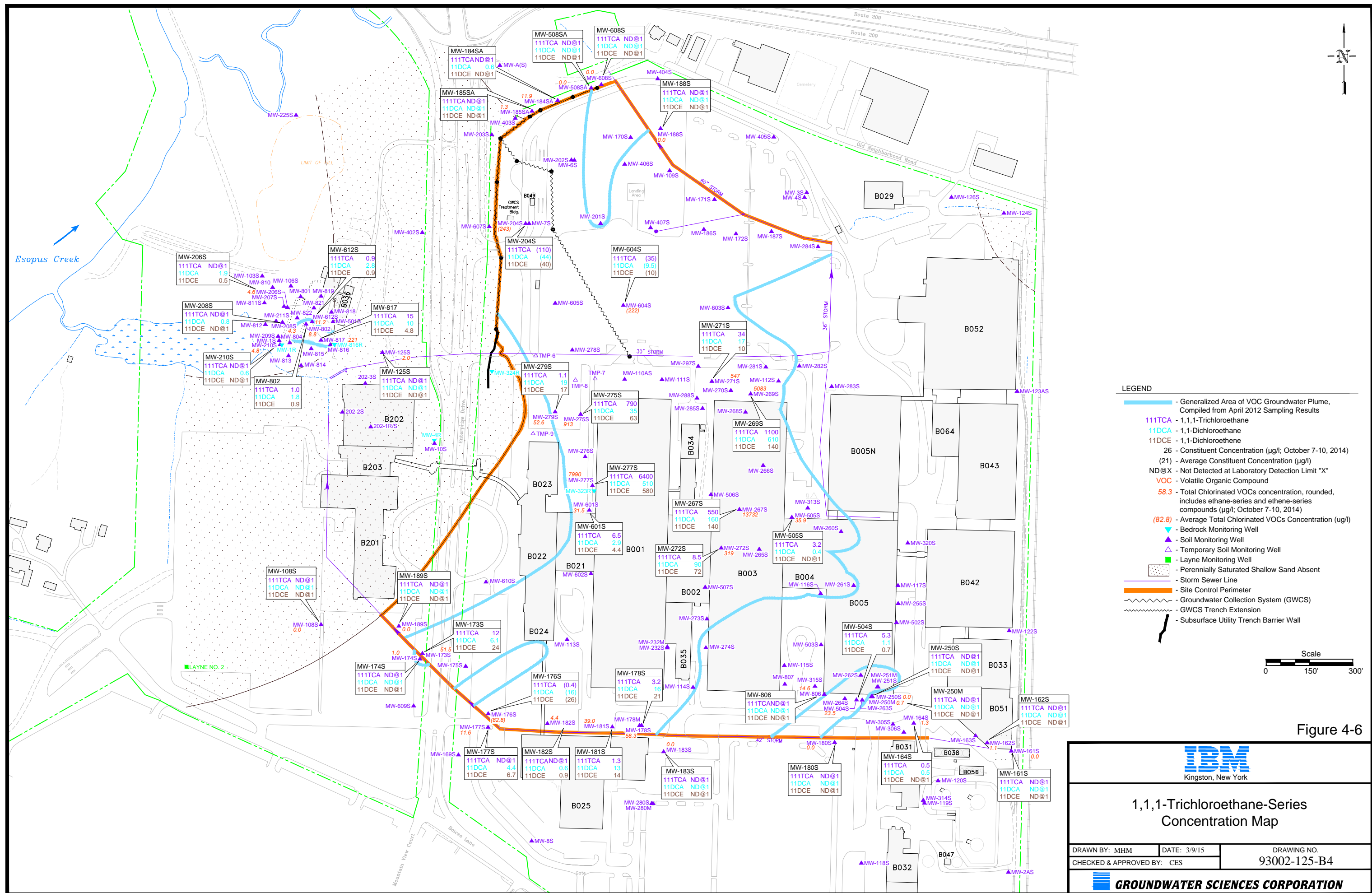
DRAWN BY: MHM	DATE: 3/18/15	DRAWING NO. 93002-118-O1
CHECKED & APPROVED BY: CES		

 **GROUNDWATER SCIENCES CORPORATION**









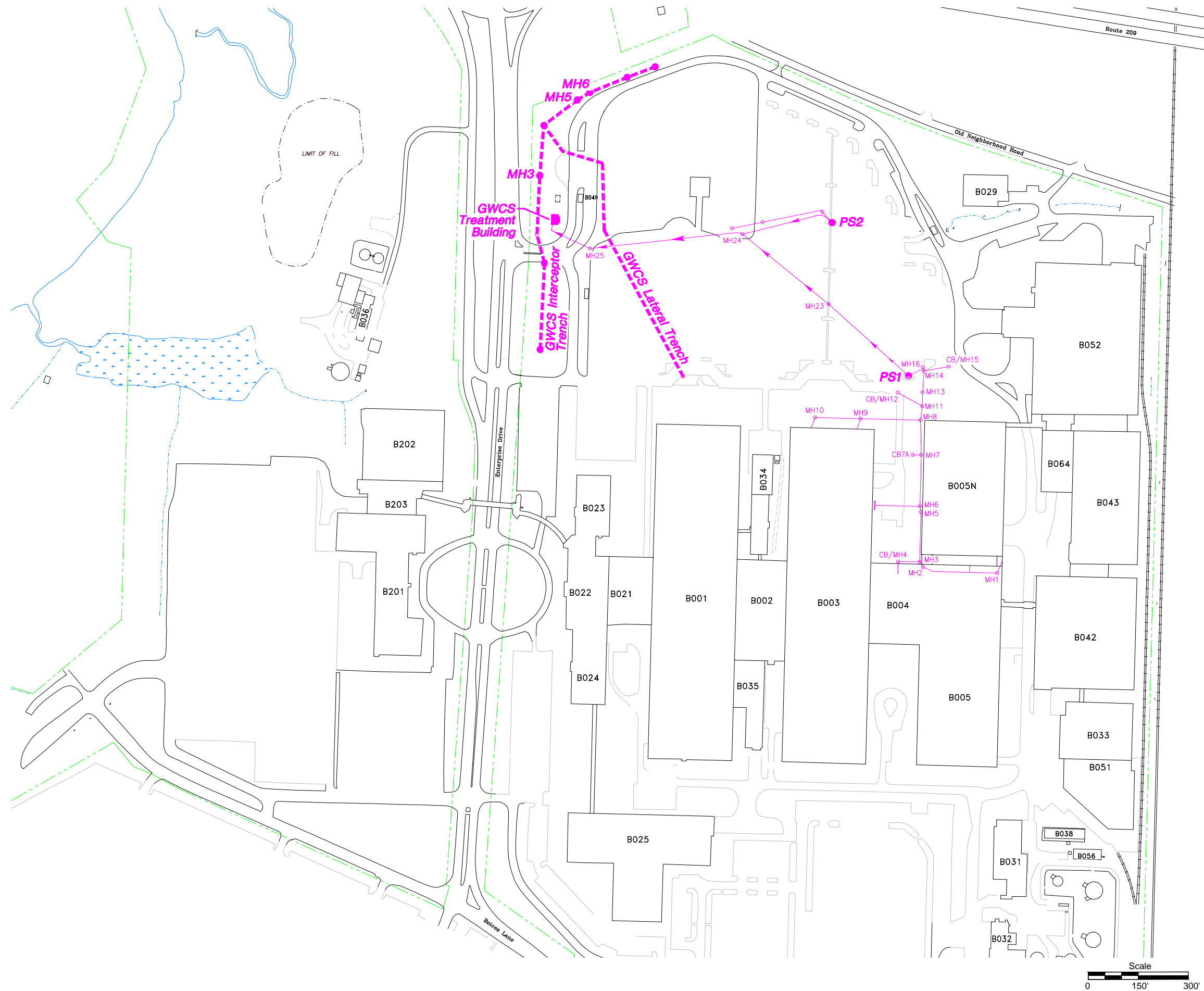


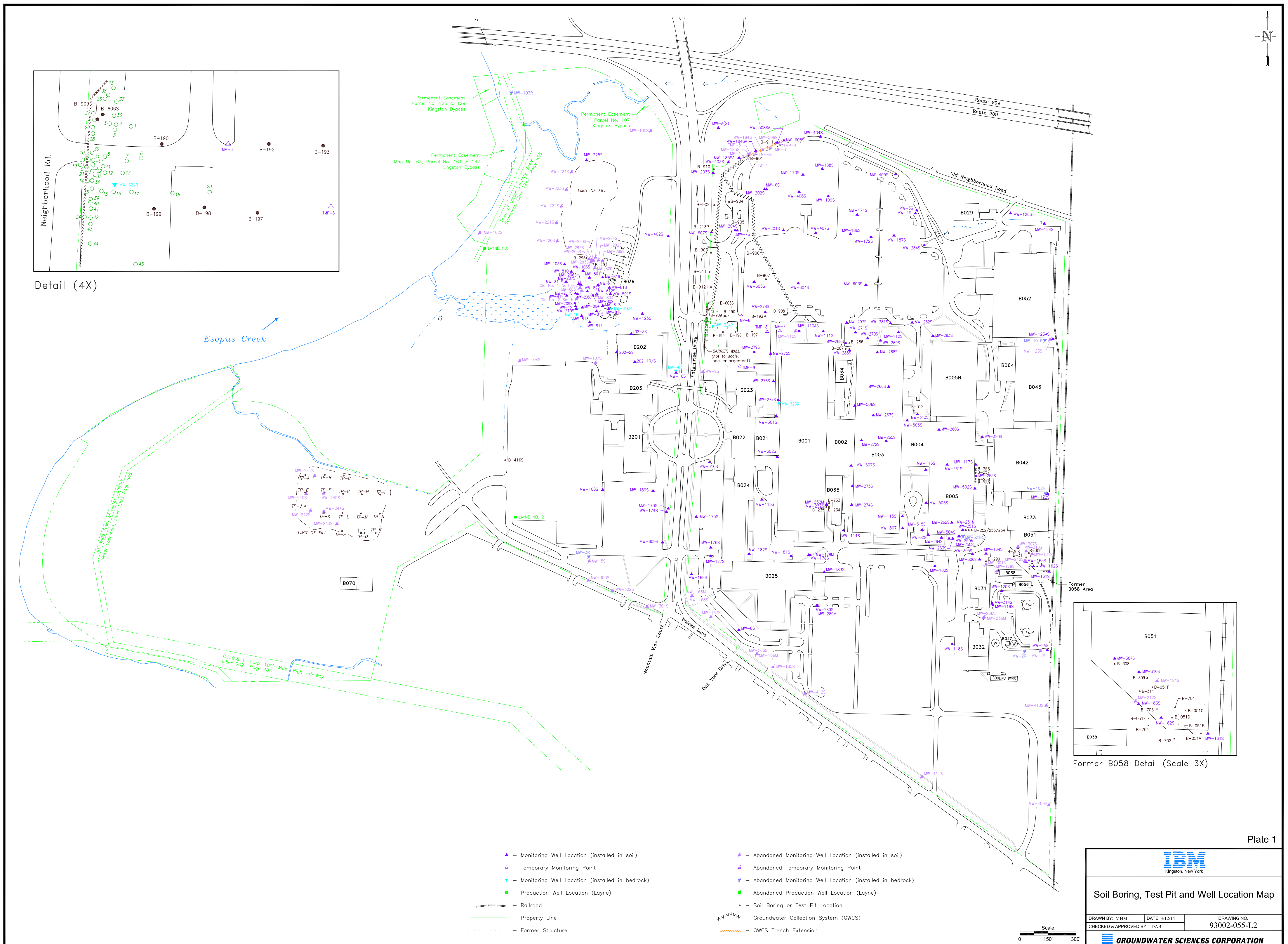


Figure 5-1

		
<p align="center">Groundwater Collection System Trench Extension Location Map</p>		
DRAWN BY: M/J/MHM CHECKED & APPROVED BY: MTL/DAB	DATE: 10/19/11	DRAWING NO. 93002-089-D3
 GROUNDWATER SCIENCES CORPORATION		



Appendix A

Groundwater and

Field QA/QC Data Reports

Former IBM Kingston Facility
Groundwater Monitoring Data Report
January 1, 2014 - December 31, 2014

MW-108-S

SAMPLE LOCATION	MW-108-S	MW-125-S	MW-161-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/09/14	10/10/14	10/10/14
LABORATORY SAMPLE I.D.	420-83294-12	420-83352-3	420-83352-2
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS			
ACID EXTRACTABLES				
PHENOLS, TOTAL	ug/l	NA	NA	NA
BASE/NEUTRAL EXTRACTABLES				
1,2-DICHLOROBENZENE	ug/l	ND@1	0.59J	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	0.77J	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	0.66J	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1
INDICATOR PARAMETERS				
PH	pH	7.63	7.68	6.87
SPECIFIC CONDUCTANCE	umhos/cm	645	1772	721
TEMPERATURE	C	21.3	15.8	16.1
METALS				
ARSENIC, DISSOLVED	mg/l	NA	NA	NA
CADMIUM, DISSOLVED	mg/l	NA	NA	NA
LEAD, DISSOLVED	mg/l	NA	NA	NA
SILVER, DISSOLVED	mg/l	NA	NA	NA
VOLATILE ORGANICS				
1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1

Former IBM Kingston Facility
Groundwater Monitoring Data Report
January 1, 2014 - December 31, 2014

MW-108-S

SAMPLE LOCATION	MW-108-S	MW-125-S	MW-161-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/09/14	10/10/14	10/10/14
LABORATORY SAMPLE I.D.	420-83294-12	420-83352-3	420-83352-2
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
-----------	-------

VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1
TOLUENE	ug/l	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA

Former IBM Kingston Facility
Groundwater Monitoring Data Report
January 1, 2014 - December 31, 2014

MW-162-S

SAMPLE LOCATION	MW-162-S	MW-164-S	MW-173-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/07/14	10/08/14	10/07/14
LABORATORY SAMPLE I.D.	420-83155-10	420-83291-12	420-83155-11
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	NA	NA	NA
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	6.88	6.65	7.02
SPECIFIC CONDUCTANCE	umhos/cm	1022	2069	1073
TEMPERATURE	C	14.0	18.6	14.5

METALS

ARSENIC, DISSOLVED	mg/l	NA	NA	NA
CADMIUM, DISSOLVED	mg/l	NA	NA	NA
LEAD, DISSOLVED	mg/l	NA	NA	NA
SILVER, DISSOLVED	mg/l	NA	NA	NA

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	0.48J	12
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	0.30J
1,1-DICHLOROETHANE	ug/l	ND@1	0.48J	6.1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	24
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	0.77J
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	1.0

Former IBM Kingston Facility
Groundwater Monitoring Data Report
January 1, 2014 - December 31, 2014

MW-162-S

SAMPLE LOCATION	MW-162-S	MW-164-S	MW-173-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/07/14	10/08/14	10/07/14
LABORATORY SAMPLE I.D.	420-83155-10	420-83291-12	420-83155-11
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
-----------	-------

VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1
TOLUENE	ug/l	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	1.1	0.32J	7.3
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA

Former IBM Kingston Facility
Groundwater Monitoring Data Report
January 1, 2014 - December 31, 2014

MW-174-S

SAMPLE LOCATION	MW-174-S	MW-176-S	MW-176-S	MW-177-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	DUPLICATE	GROUNDWATER
SAMPLE DATE	10/07/14	10/09/14	10/09/14	10/09/14
LABORATORY SAMPLE I.D.	420-83155-12	420-83294-3	420-83294-4	420-83294-11
SAMPLE RUN NUMBER	01	01	01	01
SAMPLE COMMENT CODES				

PARAMETER	UNITS
-----------	-------

ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	NA	NA	NA	NA
----------------	------	----	----	----	----

BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	6.94	7.29	7.29	7.35
SPECIFIC CONDUCTANCE	umhos/cm	922	817	817	988
TEMPERATURE	C	14.8	17.7	17.7	16.9

METALS

ARSENIC, DISSOLVED	mg/l	NA	NA	NA	NA
CADMIUM, DISSOLVED	mg/l	NA	NA	NA	NA
LEAD, DISSOLVED	mg/l	NA	NA	NA	NA
SILVER, DISSOLVED	mg/l	NA	NA	NA	NA

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	0.41J	0.31J	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	18	13	4.4
1,1-DICHLOROETHYLENE	ug/l	ND@1	29	22	6.7
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	2.9	2.0	0.47J

Former IBM Kingston Facility
Groundwater Monitoring Data Report
January 1, 2014 - December 31, 2014

MW-174-S

SAMPLE LOCATION	MW-174-S	MW-176-S	MW-176-S	MW-177-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	DUPLICATE	GROUNDWATER
SAMPLE DATE	10/07/14	10/09/14	10/09/14	10/09/14
LABORATORY SAMPLE I.D.	420-83155-12	420-83294-3	420-83294-4	420-83294-11
SAMPLE RUN NUMBER	01	01	01	01
SAMPLE COMMENT CODES				

PARAMETER	UNITS
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VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
TOLUENE	ug/l	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	1.0	43	35	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA	NA

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MW-178-S

SAMPLE LOCATION	MW-178-S	MW-180-S	MW-181-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/09/14	10/09/14	10/09/14
LABORATORY SAMPLE I.D.	420-83294-8	420-83294-5	420-83294-9
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	NA	NA	NA
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	6.27	7.16	6.74
SPECIFIC CONDUCTANCE	umhos/cm	315	469	903
TEMPERATURE	C	17.0	17.1	17.2

METALS

ARSENIC, DISSOLVED	mg/l	NA	NA	NA
CADMIUM, DISSOLVED	mg/l	NA	NA	NA
LEAD, DISSOLVED	mg/l	NA	NA	NA
SILVER, DISSOLVED	mg/l	NA	NA	NA

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	3.2	ND@1	1.3
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	1.1	ND@1	0.81J
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	16	ND@1	13
1,1-DICHLOROETHYLENE	ug/l	21	ND@1	14
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	0.33J	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	1.4	ND@1	0.56J

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MW-178-S

SAMPLE LOCATION
SAMPLE DESCRIPTION
SAMPLE DATE
LABORATORY SAMPLE I.D.
SAMPLE RUN NUMBER
SAMPLE COMMENT CODES

MW-178-S
GROUNDWATER
10/09/14
420-83294-8
01

MW-180-S
GROUNDWATER
10/09/14
420-83294-5
01

MW-181-S
GROUNDWATER
10/09/14
420-83294-9
01

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	2.3	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1
TOLUENE	ug/l	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	13	ND@1	9.3
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA

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MW-182-S

SAMPLE LOCATION	MW-182-S	MW-183-S	MW-184-SA
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/09/14	10/07/14	10/08/14
LABORATORY SAMPLE I.D.	420-83294-10	420-83155-9	420-83291-5
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	NA	NA	NA
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	7.17	6.87	7.12
SPECIFIC CONDUCTANCE	umhos/cm	279	1721	864
TEMPERATURE	C	14.6	14.4	15.9

METALS

ARSENIC, DISSOLVED	mg/l	NA	NA	NA
CADMIUM, DISSOLVED	mg/l	NA	NA	NA
LEAD, DISSOLVED	mg/l	NA	NA	NA
SILVER, DISSOLVED	mg/l	NA	NA	NA

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	0.58J	ND@1	0.59J
1,1-DICHLOROETHYLENE	ug/l	0.94J	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	3.4

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MW-182-S

SAMPLE LOCATION	MW-182-S	MW-183-S	MW-184-SA
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/09/14	10/07/14	10/08/14
LABORATORY SAMPLE I.D.	420-83294-10	420-83155-9	420-83291-5
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1
TOLUENE	ug/l	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	2.9	ND@1	7.9
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA

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MW-185-SA

SAMPLE LOCATION	MW-185-SA	MW-188-S	MW-189-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/08/14	10/08/14	10/07/14
LABORATORY SAMPLE I.D.	420-83291-4	420-83291-8	420-83155-13
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	NA	NA	NA
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	6.91	6.17	6.88
SPECIFIC CONDUCTANCE	umhos/cm	1486	425	1217
TEMPERATURE	C	16.1	16.2	14.1

METALS

ARSENIC, DISSOLVED	mg/l	NA	NA	NA
CADMIUM, DISSOLVED	mg/l	NA	NA	NA
LEAD, DISSOLVED	mg/l	NA	NA	NA
SILVER, DISSOLVED	mg/l	NA	NA	NA

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1

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MW-185-SA

SAMPLE LOCATION	MW-185-SA	MW-188-S	MW-189-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/08/14	10/08/14	10/07/14
LABORATORY SAMPLE I.D.	420-83291-4	420-83291-8	420-83155-13
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1
TOLUENE	ug/l	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	1.3	ND@1	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA

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MW-204-S

SAMPLE LOCATION	MW-204-S	MW-204-S	MW-206-S	MW-208-S
SAMPLE DESCRIPTION	GROUNDWATER	DUPLICATE	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/08/14	10/08/14	10/10/14	10/10/14
LABORATORY SAMPLE I.D.	420-83291-2	420-83291-3	420-83352-8	420-83352-9
SAMPLE RUN NUMBER	01	01	01	01
SAMPLE COMMENT CODES				

PARAMETER	UNITS
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ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	NA	NA	ND@10	ND@10
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	7.07	7.07	7.41	7.21
SPECIFIC CONDUCTANCE	umhos/cm	898	898	1072	653
TEMPERATURE	C	17.5	17.5	17.0	14.7

METALS

ARSENIC, DISSOLVED	mg/l	NA	NA	ND@0.0014	0.0086
CADMIUM, DISSOLVED	mg/l	NA	NA	ND@0.0010	ND@0.0010
LEAD, DISSOLVED	mg/l	NA	NA	ND@0.0010	0.0014
SILVER, DISSOLVED	mg/l	NA	NA	ND@0.0010	ND@0.0010

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	100D	120D	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	43	44	1.9	0.82J
1,1-DICHLOROETHYLENE	ug/l	35	45	0.46J	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	0.90J	1.6	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	3.5	3.9	1.3	0.76J

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MW-204-S

SAMPLE LOCATION	MW-204-S	MW-204-S	MW-206-S	MW-208-S
SAMPLE DESCRIPTION	GROUNDWATER	DUPLICATE	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/08/14	10/08/14	10/10/14	10/10/14
LABORATORY SAMPLE I.D.	420-83291-2	420-83291-3	420-83352-8	420-83352-9
SAMPLE RUN NUMBER	01	01	01	01
SAMPLE COMMENT CODES				

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	2.7
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	1.9	2.1	ND@1	ND@1
TOLUENE	ug/l	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	41	44	0.50J	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	0.42J	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA	NA

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MW-210-S

SAMPLE LOCATION	MW-210-S	MW-250-M	MW-250-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/10/14	10/08/14	10/08/14
LABORATORY SAMPLE I.D.	420-83352-7	420-83291-14	420-83291-13
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	ND@10	NA	NA
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	7.09	6.44	6.97
SPECIFIC CONDUCTANCE	umhos/cm	893	987	698
TEMPERATURE	C	13.7	17.3	16.8

METALS

ARSENIC, DISSOLVED	mg/l	0.120	NA	NA
CADMIUM, DISSOLVED	mg/l	ND@0.0010	NA	NA
LEAD, DISSOLVED	mg/l	ND@0.0010	NA	NA
SILVER, DISSOLVED	mg/l	ND@0.0010	NA	NA

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	0.62J	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	0.87J	ND@1	ND@1

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MW-210-S

SAMPLE LOCATION	MW-210-S	MW-250-M	MW-250-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/10/14	10/08/14	10/08/14
LABORATORY SAMPLE I.D.	420-83352-7	420-83291-14	420-83291-13
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	1.8	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	0.94J	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	0.72J	ND@1
TOLUENE	ug/l	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	0.45J	ND@1	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	0.15J	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA

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MW-267-S

SAMPLE LOCATION	MW-267-S	MW-269-S	MW-271-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/07/14	10/07/14	10/07/14
LABORATORY SAMPLE I.D.	420-83155-2	420-83155-6	420-83155-7
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	NA	NA	NA
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	1.7	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	7.17	NA	7.38
SPECIFIC CONDUCTANCE	umhos/cm	1893	NA	2117
TEMPERATURE	C	15.1	NA	14.8

METALS

ARSENIC, DISSOLVED	mg/l	NA	NA	NA
CADMIUM, DISSOLVED	mg/l	NA	NA	NA
LEAD, DISSOLVED	mg/l	NA	NA	NA
SILVER, DISSOLVED	mg/l	NA	NA	NA

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	550D	1100D	34
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	5.0
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	160J	610D	17
1,1-DICHLOROETHYLENE	ug/l	140J	140D	10
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	3.1
1,2-DICHLOROETHANE	ug/l	ND@1	61J	1.4
1,2-DICHLOROETHYLENE, TOTAL	ug/l	2800D	2000D	61D

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MW-267-S

SAMPLE LOCATION	MW-267-S	MW-269-S	MW-271-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/07/14	10/07/14	10/07/14
LABORATORY SAMPLE I.D.	420-83155-2	420-83155-6	420-83155-7
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	ND@1	ND@1
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	0.94J	ND@1
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	0.51J	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	79J	39	9.4
TOLUENE	ug/l	NA	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	10000D	1100D	390D
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	0.36J	33	16
XYLENE, TOTAL	ug/l	NA	1.3	ND@1

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MW-272-S

SAMPLE LOCATION	MW-272-S	MW-275-S	MW-277-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/07/14	10/09/14	10/08/14
LABORATORY SAMPLE I.D.	420-83155-3	420-83294-7	420-83291-10
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	NA	NA	NA
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	90J
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	6.76	6.76	6.57
SPECIFIC CONDUCTANCE	umhos/cm	1992	368	442
TEMPERATURE	C	15.1	16.0	17.6

METALS

ARSENIC, DISSOLVED	mg/l	NA	NA	NA
CADMIUM, DISSOLVED	mg/l	NA	NA	NA
LEAD, DISSOLVED	mg/l	NA	NA	NA
SILVER, DISSOLVED	mg/l	NA	NA	NA

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	8.5	790D	6400D
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	1.4	3.2	44
1,1-DICHLOROETHANE	ug/l	90D	35	510D
1,1-DICHLOROETHYLENE	ug/l	72D	63D	580D
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	39
1,2-DICHLOROETHANE	ug/l	ND@1	3.0	110J
1,2-DICHLOROETHYLENE, TOTAL	ug/l	5.7	1.7	24

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MW-272-S

SAMPLE LOCATION	MW-272-S	MW-275-S	MW-277-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/07/14	10/09/14	10/08/14
LABORATORY SAMPLE I.D.	420-83155-3	420-83294-7	420-83291-10
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	10
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	66J
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	0.95J	0.76J	11
TOLUENE	ug/l	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	140D	16	110J
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	0.73J	ND@1	6.0
XYLENE, TOTAL	ug/l	NA	NA	NA

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MW-279-S

SAMPLE LOCATION	MW-279-S	MW-504-S	MW-505-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/09/14	10/08/14	10/08/14
LABORATORY SAMPLE I.D.	420-83294-2	420-83291-15	420-83291-9
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
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ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	NA	NA	NA
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	6.11	6.20	7.55
SPECIFIC CONDUCTANCE	umhos/cm	532	1960	566
TEMPERATURE	C	17.6	16.3	14.6

METALS

ARSENIC, DISSOLVED	mg/l	NA	NA	NA
CADMIUM, DISSOLVED	mg/l	NA	NA	NA
LEAD, DISSOLVED	mg/l	NA	NA	NA
SILVER, DISSOLVED	mg/l	NA	NA	NA

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	1.1	5.3	3.2
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	1.8
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	19	1.1	0.39J
1,1-DICHLOROETHYLENE	ug/l	17	0.65J	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	0.45J	ND@1	0.53J

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MW-279-S

SAMPLE LOCATION
SAMPLE DESCRIPTION
SAMPLE DATE
LABORATORY SAMPLE I.D.
SAMPLE RUN NUMBER
SAMPLE COMMENT CODES

MW-279-S
GROUNDWATER
10/09/14
420-83294-2
01

MW-504-S
GROUNDWATER
10/08/14
420-83291-15
01

MW-505-S
GROUNDWATER
10/08/14
420-83291-9
01

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	15	10
TOLUENE	ug/l	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	15	1.4	20
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA

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MW-508-SA

SAMPLE LOCATION	MW-508-SA	MW-601-S	MW-604-S	MW-604-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	DUPLICATE
SAMPLE DATE	10/08/14	10/08/14	10/07/14	10/07/14
LABORATORY SAMPLE I.D.	420-83291-6	420-83291-11	420-83155-4	420-83155-5
SAMPLE RUN NUMBER	01	01	01	01
SAMPLE COMMENT CODES				

PARAMETER UNITS

ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	NA	NA	NA	NA
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYLVINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	7.06	6.76	6.91	6.91
SPECIFIC CONDUCTANCE	umhos/cm	672	405	2120	2120
TEMPERATURE	C	16.1	16.4	14.6	14.6

METALS

ARSENIC, DISSOLVED	mg/l	NA	NA	NA	NA
CADMIUM, DISSOLVED	mg/l	NA	NA	NA	NA
LEAD, DISSOLVED	mg/l	NA	NA	NA	NA
SILVER, DISSOLVED	mg/l	NA	NA	NA	NA

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	6.5	31D	38
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	2.9	11	8.0
1,1-DICHLOROETHYLENE	ug/l	ND@1	4.4	12	8.0
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	1.0	0.79J
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	0.35J	46	34

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MW-508-SA

SAMPLE LOCATION	MW-508-SA	MW-601-S	MW-604-S	MW-604-S
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	DUPLICATE
SAMPLE DATE	10/08/14	10/08/14	10/07/14	10/07/14
LABORATORY SAMPLE I.D.	420-83291-6	420-83291-11	420-83155-4	420-83155-5
SAMPLE RUN NUMBER	01	01	01	01
SAMPLE COMMENT CODES				

PARAMETER	UNITS
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VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	0.36J	8.0	5.7
TOLUENE	ug/l	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	ND@1	17	110D	130D
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA	NA

Former IBM Kingston Facility
Groundwater Monitoring Data Report
January 1, 2014 - December 31, 2014

MW-608-S

SAMPLE LOCATION	MW-608-S	MW-612-S	MW-802
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/08/14	10/10/14	10/10/14
LABORATORY SAMPLE I.D.	420-83291-7	420-83352-5	420-83352-6
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS			
ACID EXTRACTABLES				
PHENOLS, TOTAL	ug/l	NA	ND@10	ND@10
BASE/NEUTRAL EXTRACTABLES				
1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1
INDICATOR PARAMETERS				
PH	pH	7.21	7.33	7.08
SPECIFIC CONDUCTANCE	umhos/cm	874	1125	948
TEMPERATURE	C	18.6	15.2	13.0
METALS				
ARSENIC, DISSOLVED	mg/l	NA	ND@0.0014	ND@0.0014
CADMIUM, DISSOLVED	mg/l	NA	ND@0.0010	ND@0.0010
LEAD, DISSOLVED	mg/l	NA	ND@0.0010	ND@0.0010
SILVER, DISSOLVED	mg/l	NA	ND@0.0010	ND@0.0010
VOLATILE ORGANICS				
1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	0.93J	1.0
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	2.8	1.8
1,1-DICHLOROETHYLENE	ug/l	ND@1	0.89J	0.86J
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1

Former IBM Kingston Facility
Groundwater Monitoring Data Report
January 1, 2014 - December 31, 2014

MW-608-S

SAMPLE LOCATION	MW-608-S	MW-612-S	MW-802
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/08/14	10/10/14	10/10/14
LABORATORY SAMPLE I.D.	420-83291-7	420-83352-5	420-83352-6
SAMPLE RUN NUMBER	01	01	01
SAMPLE COMMENT CODES			

PARAMETER	UNITS
-----------	-------

VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	0.64J	ND@1
TOLUENE	ug/l	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	ND@1	5.9	5.1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA

Former IBM Kingston Facility
Groundwater Monitoring Data Report
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MW-806-S

SAMPLE LOCATION	MW-806-S	MW-817
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/09/14	10/10/14
LABORATORY SAMPLE I.D.	420-83294-6	420-83352-4
SAMPLE RUN NUMBER	01	01
SAMPLE COMMENT CODES		

PARAMETER	UNITS
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ACID EXTRACTABLES

PHENOLS, TOTAL	ug/l	NA	ND@10
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	6.37	7.17
SPECIFIC CONDUCTANCE	umhos/cm	651	677
TEMPERATURE	C	17.6	12.4

METALS

ARSENIC, DISSOLVED	mg/l	NA	ND@0.0014
CADMIUM, DISSOLVED	mg/l	NA	ND@0.0010
LEAD, DISSOLVED	mg/l	NA	ND@0.0010
SILVER, DISSOLVED	mg/l	NA	ND@0.0010

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	15
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	10
1,1-DICHLOROETHYLENE	ug/l	ND@1	4.8
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	6.8
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	14

Former IBM Kingston Facility
Groundwater Monitoring Data Report
January 1, 2014 - December 31, 2014

MW-806-S

SAMPLE LOCATION
SAMPLE DESCRIPTION
SAMPLE DATE
LABORATORY SAMPLE I.D.
SAMPLE RUN NUMBER
SAMPLE COMMENT CODES

MW-806-S
GROUNDWATER
10/09/14
420-83294-6
01

MW-817
GROUNDWATER
10/10/14
420-83352-4
01

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1
BENZENE	ug/l	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1.4
CHLOROMETHANE	ug/l	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	8.5	ND@1
TOLUENE	ug/l	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	6.1	170D
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	0.46J
XYLENE, TOTAL	ug/l	NA	NA

Former IBM Kingston Facility
Groundwater Monitoring Data Report
January 1, 2014 - December 31, 2014

EXPLANATION OF REPORTING CONVENTIONS AND KEY TO COMMENT CODES

REPORTING CONVENTIONS

NA Not Analyzed
ND@X Not Detected at Detection Limit X
BMRL@X Below Minimum Reporting Limit of X

CODE EXPLANATION

^ Non-Standard Measurement Unit
c Sample contained sediment which may have contributed to reported results
d 24 Hour Composite Sample
B Organic analyte detected in both the sample and the laboratory blank
D Compounds identified at a secondary dilution factor
E Concentration exceeds the calibration range of the GC/MS instrument
J Estimated Value
N Spiked sample recovery not within control limits
P Lower of 2 GC column concentrations that have more than 25% difference
R Reported value is less than the CRDL but greater than the IDL
S Surrogate recoveries exceed acceptable control limits
W Post digestion spike FAA out of control limits; sample absorbance < 50%
* Manhole flooded when sediment sample collected
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL) (Inorganics)
H Sample was prepped or run beyond the specified method holding time
^ Value estimated. Possible meter malfunction.

Former IBM Kingston Facility
Supplemental Groundwater Sampling Data Report
January 1, 2014 - December 31, 2014

MW-002-AS

SAMPLE LOCATION	MW-002-AS	MW-002-AS	MW-118-S	MW-120-S
SAMPLE DESCRIPTION	GROUNDWATER	DUPLICATE	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/01/14	10/01/14	10/01/14	10/01/14
LABORATORY SAMPLE I.D.	420-82957-3	420-82957-4	420-82957-5	420-82957-2
SAMPLE RUN NUMBER	01	01	01	01
SAMPLE COMMENT CODES				

PARAMETER	UNITS
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	0.26J
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	6.82	6.82	7.47	6.56
SPECIFIC CONDUCTANCE	umhos/cm	622	622	455	1810
TEMPERATURE	C	16.5	16.5	18.7	17.4

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	1.2
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1

Former IBM Kingston Facility
Supplemental Groundwater Sampling Data Report
January 1, 2014 - December 31, 2014

MW-002-AS

SAMPLE LOCATION	MW-002-AS	MW-002-AS	MW-118-S	MW-120-S
SAMPLE DESCRIPTION	GROUNDWATER	DUPLICATE	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/01/14	10/01/14	10/01/14	10/01/14
LABORATORY SAMPLE I.D.	420-82957-3	420-82957-4	420-82957-5	420-82957-2
SAMPLE RUN NUMBER	01	01	01	01
SAMPLE COMMENT CODES				

PARAMETER	UNITS
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VOLATILE ORGANICS (Continued)

CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
TOLUENE	ug/l	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA	NA

Former IBM Kingston Facility
Supplemental Groundwater Sampling Data Report
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MW-260-S

SAMPLE LOCATION	MW-260-S
SAMPLE DESCRIPTION	GROUNDWATER
SAMPLE DATE	10/01/14
LABORATORY SAMPLE I.D.	420-82957-7
SAMPLE RUN NUMBER	01
SAMPLE COMMENT CODES	

PARAMETER	UNITS
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1

INDICATOR PARAMETERS

PH	pH	6.34
SPECIFIC CONDUCTANCE	umhos/cm	1083
TEMPERATURE	C	18.6

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1
1,2-DICHLOROPROPANE	ug/l	ND@1
2-CHLOROTOLUENE	ug/l	NA
4-CHLOROTOLUENE	ug/l	ND@1
BENZENE	ug/l	NA
BENZYL CHLORIDE	ug/l	ND@1
BROMOBENZENE	ug/l	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1
BROMOFORM	ug/l	ND@1
BROMOMETHANE	ug/l	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1
CHLOROBENZENE	ug/l	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1
CHLOROETHANE	ug/l	ND@1
CHLOROFORM	ug/l	ND@1
CHLOROMETHANE	ug/l	ND@1

Former IBM Kingston Facility
Supplemental Groundwater Sampling Data Report
January 1, 2014 - December 31, 2014

MW-260-S

SAMPLE LOCATION	MW-260-S
SAMPLE DESCRIPTION	GROUNDWATER
SAMPLE DATE	10/01/14
LABORATORY SAMPLE I.D.	420-82957-7
SAMPLE RUN NUMBER	01
SAMPLE COMMENT CODES	

PARAMETER	UNITS
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VOLATILE ORGANICS (Continued)

CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1
DIBROMOMETHANE	ug/l	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1
ETHYLBENZENE	ug/l	NA
METHYLENE CHLORIDE	ug/l	ND@1
TETRACHLOROETHYLENE	ug/l	5.6
TOLUENE	ug/l	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1
TRICHLOROETHYLENE	ug/l	0.74J
TRICHLOROFLUOROMETHANE	ug/l	ND@1
VINYL CHLORIDE	ug/l	ND@1
XYLENE, TOTAL	ug/l	NA

Former IBM Kingston Facility
Supplemental Groundwater Sampling Data Report
January 1, 2014 - December 31, 2014

EXPLANATION OF REPORTING CONVENTIONS AND KEY TO COMMENT CODES

REPORTING CONVENTIONS

NA Not Analyzed
ND@X Not Detected at Detection Limit X
BMRL@X Below Minimum Reporting Limit of X

CODE EXPLANATION

^ Non-Standard Measurement Unit
c Sample contained sediment which may have contributed to reported results
d 24 Hour Composite Sample
B Organic analyte detected in both the sample and the laboratory blank
D Compounds identified at a secondary dilution factor
E Concentration exceeds the calibration range of the GC/MS instrument
J Estimated Value
N Spiked sample recovery not within control limits
P Lower of 2 GC column concentrations that have more than 25% difference
R Reported value is less than the CRDL but greater than the IDL
S Surrogate recoveries exceed acceptable control limits
W Post digestion spike FAA out of control limits; sample absorbance < 50%
* Manhole flooded when sediment sample collected
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL) (Inorganics)
H Sample was prepped or run beyond the specified method holding time
^ Value estimated. Possible meter malfunction.

Former IBM Kingston Facility
Field Quality Assurance / Control Data
January 1, 2014 - December 31, 2014

EQ RINSE BLK

SAMPLE LOCATION	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
SAMPLE DESCRIPTION	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
SAMPLE DATE	10/01/14	10/07/14	10/08/14	10/09/14	10/10/14
LABORATORY SAMPLE I.D.	420-82957-6	420-83155-8	420-83291-16	420-83294-13	420-83352-10
SAMPLE RUN NUMBER	01	01	01	01	01
SAMPLE COMMENT CODES					

PARAMETER	UNITS
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	NA	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	NA	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	0.51J	0.52J
BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	0.21J	0.20J	0.44J	0.50J
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
TOLUENE	ug/l	NA	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1

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EQ RINSE BLK

SAMPLE LOCATION	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK	EQ RINSE BLK
SAMPLE DESCRIPTION	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND	WTR LVL IND
SAMPLE DATE	10/01/14	10/07/14	10/08/14	10/09/14	10/10/14
LABORATORY SAMPLE I.D.	420-82957-6	420-83155-8	420-83291-16	420-83294-13	420-83352-10
SAMPLE RUN NUMBER	01	01	01	01	01
SAMPLE COMMENT CODES					

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

TRICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	NA	NA	NA	NA

Former IBM Kingston Facility
Field Quality Assurance / Control Data
January 1, 2014 - December 31, 2014

TRIP BLANK

SAMPLE LOCATION	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
SAMPLE DESCRIPTION	10/1-2/14	10/7/2014	10/8-9/14	10/9/2014	10/10/2014
SAMPLE DATE	10/01/14	10/07/14	10/08/14	10/09/14	10/10/14
LABORATORY SAMPLE I.D.	420-82957-1	420-83155-1	420-83291-1	420-83294-1	420-83352-1
SAMPLE RUN NUMBER	01	01	01	01	01
SAMPLE COMMENT CODES					

PARAMETER	UNITS
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1

VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
2-CHLOROTOLUENE	ug/l	NA	ND@1	NA	NA	NA
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
BENZENE	ug/l	NA	ND@1	NA	NA	NA
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	NA	ND@1	NA	NA	NA
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
TOLUENE	ug/l	NA	ND@1	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1

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TRIP BLANK

SAMPLE LOCATION	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
SAMPLE DESCRIPTION	10/1-2/14	10/7/2014	10/8-9/14	10/9/2014	10/10/2014
SAMPLE DATE	10/01/14	10/07/14	10/08/14	10/09/14	10/10/14
LABORATORY SAMPLE I.D.	420-82957-1	420-83155-1	420-83291-1	420-83294-1	420-83352-1
SAMPLE RUN NUMBER	01	01	01	01	01
SAMPLE COMMENT CODES					

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

TRICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	NA	ND@1	NA	NA	NA

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EXPLANATION OF REPORTING CONVENTIONS AND KEY TO COMMENT CODES

REPORTING CONVENTIONS

NA Not Analyzed
ND@X Not Detected at Detection Limit X
BMRL@X Below Minimum Reporting Limit of X

CODE EXPLANATION

^ Non-Standard Measurement Unit
c Sample contained sediment which may have contributed to reported results
d 24 Hour Composite Sample
B Organic analyte detected in both the sample and the laboratory blank
D Compounds identified at a secondary dilution factor
E Concentration exceeds the calibration range of the GC/MS instrument
J Estimated Value
N Spiked sample recovery not within control limits
P Lower of 2 GC column concentrations that have more than 25% difference
R Reported value is less than the CRDL but greater than the IDL
S Surrogate recoveries exceed acceptable control limits
W Post digestion spike FAA out of control limits; sample absorbance < 50%
* Manhole flooded when sediment sample collected
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL) (Inorganics)
H Sample was prepped or run beyond the specified method holding time
^ Value estimated. Possible meter malfunction.

Appendix B
Groundwater Elevation Table

Kingston Site
2014 Water Level Data

Well	03/21/14		6/17/14&6/18/14		9/23/14&9/24/14		12/19/14	
	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-001-R	7.88	143.05	7.63	143.30	7.72	143.21	8.15	142.78
MW-003-S	3.92	169.11	3.85	169.18	5.00	168.03	4.43	168.60
MW-004-R	8.88	167.20	8.38	167.70	8.69	167.39	6.21	169.87
MW-004-S	3.44	169.30	3.39	169.35	4.86	167.88	3.97	168.77
MW-006-S	9.65	163.04	7.68	165.01	7.92	164.77	7.34	165.35
MW-008-S	8.96	169.21	8.32	169.85	8.68	169.49	8.60	169.57
MW-010-S	2.00	174.94	Dry		Dry		2.54	174.40
MW-106-S	4.21	147.79	3.75	148.25	5.29	146.71	4.80	147.20
MW-108-S	4.10	173.16	5.00	172.26	5.74	171.52	4.98	172.28
MW-109-S	6.72	167.81	7.60	166.93	7.83	166.70	7.69	166.84
MW-110-SA	10.58	169.57	10.47	169.68	11.48	168.67	10.69	169.46
MW-111-S	10.25	169.14	9.63	169.76	10.20	169.19	9.88	169.51
MW-112-S	9.75	170.41	9.63	170.53	10.62	169.54	9.76	170.40
MW-113-S	7.11	169.92	7.15	169.88	7.33	169.70	7.23	169.80
MW-114-S	6.81	170.11	6.60	170.32	6.89	170.03	6.81	170.11
MW-115-S	9.06	172.14	8.92	172.28	9.07	172.13	9.30	171.90
MW-116-S	7.67	173.61	7.71	173.57	8.00	173.28	8.34	172.94
MW-117-S	5.63	175.12	5.88	174.87	6.21	174.54	6.12	174.63
MW-118-S	6.32	176.64	6.30	176.66	8.35	174.61	7.23	175.73
MW-119-S	7.70	176.17	7.68	176.19	8.04	175.83	7.92	175.95
MW-120-S	8.84	176.36	8.81	176.39	9.91	175.29	9.19	176.01
MW-122-S	4.49	179.13	4.64	178.98	4.96	178.66	4.93	178.69
MW-123-SA	3.58	174.63	3.83	174.38	4.97	173.24	3.52	174.69
MW-124-S	6.80	172.34	6.88	172.26	7.33	171.81	6.94	172.20
MW-125-S	10.33	163.55	11.73	162.15	12.88	161.00	10.49	163.39
MW-126-S	8.52	172.12	8.73	171.91	8.92	171.72	8.86	171.78
MW-161-S	4.18	179.18	4.40	178.96	4.81	178.55	4.91	178.45
MW-162-S	6.68	177.68	6.68	177.68	6.74	177.62	6.71	177.65
MW-163-S	7.82	177.83	7.88	177.77	7.94	177.71	8.17	177.48
MW-164-S	7.15	175.16	7.40	174.91	7.66	174.65	7.60	174.71
MW-169-S	8.91	169.16	8.10	169.97	8.47	169.60	8.61	169.46
MW-170-S	6.40	167.96	7.20	167.16	7.83	166.53	6.74	167.62
MW-171-S	4.62	167.89	4.38	168.13	5.28	167.23	4.68	167.83
MW-172-S	2.29	169.39	3.22	168.46	4.10	167.58	3.75	167.93
MW-173-S	11.94	167.89	11.42	168.41	11.64	168.19	11.05	168.78
MW-174-S	10.57	169.32	10.18	169.71	10.36	169.53	11.54	168.35
MW-175-S	8.56	169.43	7.85	170.14	7.98	170.01	8.19	169.80
MW-176-S	7.88	169.67	7.53	170.02	7.69	169.86	7.76	169.79
MW-177-S	8.18	169.76	7.71	170.23	7.81	170.13	8.05	169.89
MW-178-S	10.50	168.79	10.35	168.94	10.52	168.77	10.37	168.92
MW-180-S	6.22	173.23	6.68	172.77	7.03	172.42	6.58	172.87
MW-181-S	N.M.		7.92	169.46	8.00	169.38	7.91	169.47
MW-182-S	10.00	170.09	9.82	170.27	9.91	170.18	10.13	169.96
MW-183-S	4.62	169.76	4.75	169.63	4.88	169.50	4.70	169.68
MW-184-SA	9.63	161.67	10.23	161.07	11.50	159.80	10.55	160.75
MW-185-SA	16.43	160.45	16.33	160.55	17.47	159.41	16.88	160.00
MW-186-S	3.63	168.97	3.70	168.90	4.85	167.75	3.96	168.64
MW-187-S	2.23	168.59	2.33	168.49	3.60	167.22	2.86	167.96
MW-188-S	5.95	168.64	7.00	167.59	7.22	167.37	7.33	167.26
MW-189-S	N.M.		5.60	169.92	5.69	169.83	6.00	169.52
MW-201-S	8.82	168.18	9.43	167.57	9.96	167.04	10.42	166.58
MW-202-S	10.45	162.84	8.38	164.91	8.59	164.70	8.33	164.96
MW-203-S	Dry		Dry		Dry		Dry	
MW-204-S	9.60	164.33	9.63	164.30	10.23	163.70	9.47	164.46
MW-206-S	5.65	146.77	5.45	146.97	5.67	146.75	6.13	146.29
MW-208-S	6.17	146.14	6.22	146.09	6.41	145.90	6.66	145.65
MW-209-S	6.84	145.18	6.86	145.16	6.92	145.10	6.95	145.07
MW-210-S	8.11	143.88	8.02	143.97	8.33	143.66	8.50	143.49
MW-232-M	10.62	170.32	10.22	170.72	10.41	170.53	10.64	170.30
MW-232-S	10.67	170.36	10.33	170.70	10.38	170.65	10.73	170.30
MW-250-M	4.14	173.95	4.42	173.67	5.03	173.06	4.62	173.47
MW-250-S	4.83	173.77	5.10	173.50	5.97	172.63	5.41	173.19
MW-261-S	N.M.		N.M.		N.M.		N.M.	
MW-267-S	7.51	171.26	7.48	171.29	8.12	170.65	7.63	171.14
MW-269-S	11.00	169.89	10.33	170.56	10.72	170.17	10.53	170.36
MW-270-S	11.30	169.18	11.24	169.24	12.41	168.07	11.22	169.26
MW-272-S	N.M.		N.M.		N.M.		N.M.	
MW-274-S	7.08	170.63	6.68	171.03	6.80	170.91	7.18	170.53
MW-275-S	N.M.		N.M.		N.M.		N.M.	
MW-277-S	10.00	170.33	9.78	170.55	10.40	169.93	N.M.	
MW-278-S	12.62	167.86	12.21	168.27	12.91	167.57	12.22	168.26
MW-279-S	10.45	169.78	10.35	169.88	11.35	168.88	10.55	169.68

Kingston Site
2014 Water Level Data

Well	03/21/14		6/17/14&6/18/14		9/23/14&9/24/14		12/19/14	
	DTW	GWE	DTW	GWE	DTW	GWE	DTW	GWE
MW-281-S	9.71	170.25	9.63	170.33	10.57	169.39	9.75	170.21
MW-282-S	6.48	170.15	7.18	169.45	7.85	168.78	6.80	169.83
MW-284-S	7.16	167.61	7.85	166.92	8.45	166.32	7.57	167.20
MW-285-S	10.00	170.46	9.82	170.64	10.62	169.84	10.15	170.31
MW-288-S	10.00	170.22	9.71	170.51	10.55	169.67	10.05	170.17
MW-297-S	10.45	169.62	10.04	170.03	11.15	168.92	10.36	169.71
MW-402-S	N.M.		N.M.		N.M.		17.24	156.70
MW-403-S	Dry		Dry		Dry		Dry	
MW-404-S	4.61	166.56	3.58	167.59	5.42	165.75	4.52	166.65
MW-405-S	5.95	168.98	5.75	169.18	6.37	168.56	6.45	168.48
MW-406-S	7.82	168.03	8.75	167.10	8.88	166.97	8.81	167.04
MW-407-S	7.40	169.26	8.00	168.66	8.63	168.03	8.44	168.22
MW-502-S	5.62	175.28	5.93	174.97	6.14	174.76	6.13	174.77
MW-503-S	7.04	173.67	7.32	173.39	7.71	173.00	7.69	173.02
MW-504-S	3.38	173.73	3.60	173.51	3.92	173.19	3.85	173.26
MW-505-S	7.15	171.93	7.00	172.08	8.17	170.91	7.39	171.69
MW-506-S	9.52	170.62	9.20	170.94	9.80	170.34	9.59	170.55
MW-507-S	7.60	171.01	7.59	171.02	7.63	170.98	7.58	171.03
MW-508-SA	5.33	164.56	8.00	161.89	9.72	160.17	8.14	161.75
MW-601-S	7.12	170.53	6.88	170.77	7.88	169.77	N.M.	
MW-602-S	M.E.		M.E.		M.E.		8.11	170.26
MW-603-S	5.40	169.34	4.95	169.79	7.00	167.74	5.37	169.37
MW-604-S	7.82	168.11	7.93	168.00	8.92	167.01	7.90	168.03
MW-605-S	9.51	166.55	9.25	166.81	9.70	166.36	9.21	166.85
MW-607-S	Dry		Dry		Dry		Dry	
MW-608-S	6.90	163.33	8.23	162.00	10.18	160.05	8.33	161.90
MW-609-S	8.58	170.00	8.35	170.23	8.50	170.08	8.86	169.72
MW-610-S	8.20	169.85	7.58	170.47	7.71	170.34	7.88	170.17
MW-612-S	10.20	146.02	7.42	148.80	7.74	148.48	9.00	147.22
MW-801-S	4.68	147.59	4.35	147.92	4.52	147.75	5.17	147.10
MW-802-S	5.61	147.81	5.18	148.24	5.89	147.53	6.05	147.37
MW-804-S	5.72	147.02	5.22	147.52	5.70	147.04	6.17	146.57
MW-806-S	2.33	174.16	3.43	173.06	3.60	172.89	2.22	174.27
MW-807-S	6.54	171.09	6.51	171.12	6.88	170.75	6.73	170.90
MW-810	2.48	142.55	2.42	142.61	2.46	142.57	2.83	142.20
MW-811S	2.53	142.40	2.60	142.33	3.66	141.27	2.80	142.13
MW-812	7.20	139.53	7.00	139.73	8.11	138.62	6.99	139.74
MW-814	7.32	144.38	7.68	144.02	7.94	143.76	7.55	144.15
MW-815	8.22	148.08	9.00	147.30	9.56	146.74	8.97	147.33
MW-816	11.58	149.82	11.00	150.40	12.19	149.21	11.92	149.48
MW-817	11.15	149.38	10.68	149.85	11.03	149.50	11.28	149.25
MW-819	5.68	149.11	4.30	150.49	7.64	147.15	5.63	149.16
MW-821	6.00	148.70	4.43	150.27	10.16	144.54	5.73	148.97
MW-A	10.27	162.07	10.11	162.23	11.14	161.20	11.23	161.11
TMP-6	9.46	168.05	9.81	167.70	9.95	167.56	9.22	168.29
TMP-7	10.75	169.33	10.58	169.50	11.15	168.93	10.71	169.37
TMP-8	8.14	169.36	8.00	169.50	8.68	168.82	8.18	169.32

N.M. Not Measured
M.E. Measurement Error

Appendix C

Groundwater Withdrawal Data Tables

(GWCS and NPLA)

Former IBM Kingston Site (TechCity Facility)
Groundwater Collection System and North Parking Lot Area Extraction Data
Last Updated: 03/03/15

Date	NPLA PS1 & PS2 Daily Flow (gal)	Average Pumping Rate (NPLA) (gpm)	Total GWCS Daily Flow (gal)	Average Pumping Rate (GWCS) (gpm)	Average Daily Flow Treatment System (gal)	Average Pumping Rate Treatment Sys (gpm)	Cumulative Gallons Pumped (NPLA only)	Cumulative Gallons Pumped (GWCS only)	Cumulative Gallons Pumped (Overall)
1-Jan-14	14,352	10.0	69,396	48.2	83,748	58.2	29,243,389	444,715,784	473,959,173
2-Jan-14	11,735	8.1	68,836	47.8	80,571	56.0	29,255,124	444,784,620	474,039,744
3-Jan-14	10,213	7.1	68,992	47.9	79,205	55.0	29,265,337	444,853,612	474,118,949
4-Jan-14	8,771	6.1	68,274	47.4	77,045	53.5	29,274,108	444,921,886	474,195,994
5-Jan-14	8,793	6.1	67,040	46.6	75,833	52.7	29,282,901	444,988,926	474,271,827
6-Jan-14	14,414	10.0	68,068	47.3	82,482	57.3	29,297,315	445,056,994	474,354,309
7-Jan-14	18,233	12.7	61,038	42.4	79,271	55.0	29,315,548	445,118,032	474,433,580
8-Jan-14	18,813	13.1	70,626	49.0	89,439	62.1	29,334,361	445,188,658	474,523,019
9-Jan-14	13,256	9.2	78,488	54.5	91,744	63.7	29,347,617	445,267,146	474,614,763
10-Jan-14	12,729	8.8	74,772	51.9	87,501	60.8	29,360,346	445,341,918	474,702,264
11-Jan-14	3,115	2.2	73,734	51.2	76,849	53.4	29,363,461	445,415,652	474,779,113
12-Jan-14	13,032	9.1	77,747	54.0	90,779	63.0	29,376,493	445,493,399	474,869,892
13-Jan-14	19,288	13.4	78,853	54.8	98,141	68.2	29,395,781	445,572,252	474,968,033
14-Jan-14	11,416	7.9	83,123	57.7	94,539	65.7	29,407,197	445,655,375	475,062,572
15-Jan-14	13,857	9.6	80,775	56.1	94,632	65.7	29,421,054	445,736,150	475,157,204
16-Jan-14	25,703	17.8	79,988	55.5	105,691	73.4	29,446,757	445,816,138	475,262,895
17-Jan-14	29,716	20.6	85,997	59.7	115,713	80.4	29,476,473	445,902,135	475,378,608
18-Jan-14	12,696	8.8	81,323	56.5	94,019	65.3	29,489,169	445,983,458	475,472,627
19-Jan-14	22,618	15.7	79,377	55.1	101,995	70.8	29,511,787	446,062,835	475,574,622
20-Jan-14	15,657	10.9	77,717	54.0	93,374	64.8	29,527,444	446,140,552	475,667,996
21-Jan-14	13,968	9.7	77,172	53.6	91,140	63.3	29,541,412	446,217,724	475,759,136
22-Jan-14	13,154	9.1	74,776	51.9	87,930	61.1	29,554,566	446,292,500	475,847,066
23-Jan-14	11,978	8.3	73,619	51.1	85,597	59.4	29,566,544	446,366,119	475,932,663
24-Jan-14	11,028	7.7	71,775	49.8	82,803	57.5	29,577,572	446,437,894	476,015,466
25-Jan-14	11,259	7.8	69,679	48.4	80,938	56.2	29,588,831	446,507,573	476,096,404
26-Jan-14	8,003	5.6	68,028	47.2	76,031	52.8	29,596,834	446,575,601	476,172,435
27-Jan-14	10,741	7.5	67,175	46.6	77,916	54.1	29,607,575	446,642,776	476,250,351
28-Jan-14	8,551	5.9	63,318	44.0	71,869	49.9	29,616,126	446,706,094	476,322,220
29-Jan-14	8,254	5.7	65,303	45.3	73,557	51.1	29,624,380	446,771,397	476,395,777
30-Jan-14	8,027	5.6	62,441	43.4	70,468	48.9	29,632,407	446,833,838	476,466,245
31-Jan-14	7,764	5.4	60,905	42.3	68,669	47.7	29,640,171	446,894,743	476,534,914
1-Feb-14	9,538	6.6	59,706	41.5	69,244	48.1	29,649,709	446,954,449	476,604,158
2-Feb-14	10,092	7.0	57,982	40.3	68,074	47.3	29,659,801	447,012,431	476,672,232
3-Feb-14	10,193	7.1	57,072	39.6	67,265	46.7	29,669,994	447,069,503	476,739,497
4-Feb-14	10,211	7.1	56,053	38.9	66,264	46.0	29,680,205	447,125,556	476,805,761

Former IBM Kingston Site (TechCity Facility)
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Date	NPLA PS1 & PS2 Daily Flow (gal)	Average Pumping Rate (NPLA) (gpm)	Total GWCS Daily Flow (gal)	Average Pumping Rate (GWCS) (gpm)	Average Daily Flow Treatment System (gal)	Average Pumping Rate Treatment Sys (gpm)	Cumulative Gallons Pumped (NPLA only)	Cumulative Gallons Pumped (GWCS only)	Cumulative Gallons Pumped (Overall)
5-Feb-14	10,270	7.1	55,471	38.5	65,741	45.7	29,690,475	447,181,027	476,871,502
6-Feb-14	11,850	8.2	54,492	37.8	66,342	46.1	29,702,325	447,235,519	476,937,844
7-Feb-14	16,935	11.8	53,581	37.2	70,516	49.0	29,719,260	447,289,100	477,008,360
8-Feb-14	17,352	12.1	51,777	36.0	69,129	48.0	29,736,612	447,340,877	477,077,489
9-Feb-14	17,586	12.2	50,823	35.3	68,409	47.5	29,754,198	447,391,700	477,145,898
10-Feb-14	21,069	14.6	50,336	35.0	71,405	49.6	29,775,267	447,442,036	477,217,303
11-Feb-14	17,133	11.9	51,174	35.5	68,307	47.4	29,792,400	447,493,210	477,285,610
12-Feb-14	8,854	6.1	42,720	29.7	51,574	35.8	29,801,254	447,535,930	477,337,184
13-Feb-14	5,192	3.6	51,830	36.0	57,022	39.6	29,806,446	447,587,760	477,394,206
14-Feb-14	6,376	4.4	49,271	34.2	55,647	38.6	29,812,822	447,637,031	477,449,853
15-Feb-14	6,333	4.4	47,383	32.9	53,716	37.3	29,819,155	447,684,414	477,503,569
16-Feb-14	6,781	4.7	46,638	32.4	53,419	37.1	29,825,936	447,731,052	477,556,988
17-Feb-14	5,368	3.7	46,123	32.0	51,491	35.8	29,831,304	447,777,175	477,608,479
18-Feb-14	5,665	3.9	44,789	31.1	50,454	35.0	29,836,969	447,821,964	477,658,933
19-Feb-14	5,214	3.6	44,753	31.1	49,967	34.7	29,842,183	447,866,717	477,708,900
20-Feb-14	6,150	4.3	43,848	30.5	49,998	34.7	29,848,333	447,910,565	477,758,898
21-Feb-14	7,997	5.6	43,588	30.3	51,585	35.8	29,856,330	447,954,153	477,810,483
22-Feb-14	11,284	7.8	43,264	30.0	54,548	37.9	29,867,614	447,997,417	477,865,031
23-Feb-14	10,176	7.1	43,431	30.2	53,607	37.2	29,877,790	448,040,848	477,918,638
24-Feb-14	9,502	6.6	44,709	31.0	54,211	37.6	29,887,292	448,085,557	477,972,849
25-Feb-14	7,781	5.4	45,862	31.8	53,643	37.3	29,895,073	448,131,419	478,026,492
26-Feb-14	7,048	4.9	45,291	31.5	52,339	36.3	29,902,121	448,176,710	478,078,831
27-Feb-14	6,107	4.2	41,474	28.8	47,581	33.0	29,908,228	448,218,184	478,126,412
28-Feb-14	6,208	4.3	44,520	30.9	50,728	35.2	29,914,436	448,262,704	478,177,140
1-Mar-14	5,029	3.5	38,292	26.6	43,321	30.1	29,919,465	448,300,996	478,220,461
2-Mar-14	6,214	4.3	44,878	31.2	51,092	35.5	29,925,679	448,345,874	478,271,553
3-Mar-14	5,629	3.9	43,591	30.3	49,220	34.2	29,931,308	448,389,465	478,320,773
4-Mar-14	4,299	3.0	40,209	27.9	44,508	30.9	29,935,607	448,429,674	478,365,281
5-Mar-14	6,048	4.2	40,238	27.9	46,286	32.1	29,941,655	448,469,912	478,411,567
6-Mar-14	5,473	3.8	42,314	29.4	47,787	33.2	29,947,128	448,512,226	478,459,354
7-Mar-14	5,509	3.8	40,796	28.3	46,305	32.2	29,952,637	448,553,022	478,505,659
8-Mar-14	5,667	3.9	39,855	27.7	45,522	31.6	29,958,304	448,592,877	478,551,181
9-Mar-14	5,899	4.1	39,699	27.6	45,598	31.7	29,964,203	448,632,576	478,596,779
10-Mar-14	7,161	5.0	39,069	27.1	46,230	32.1	29,971,364	448,671,645	478,643,009
11-Mar-14	10,262	7.1	40,772	28.3	51,034	35.4	29,981,626	448,712,417	478,694,043

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12-Mar-14	11,300	7.8	48,733	33.8	60,033	41.7	29,992,926	448,761,150	478,754,076
13-Mar-14	13,088	9.1	55,789	38.7	68,877	47.8	30,006,014	448,816,939	478,822,953
14-Mar-14	11,944	8.3	54,801	38.1	66,745	46.4	30,017,958	448,871,740	478,889,698
15-Mar-14	11,537	8.0	55,391	38.5	66,928	46.5	30,029,495	448,927,131	478,956,626
16-Mar-14	12,930	9.0	58,592	40.7	71,522	49.7	30,042,425	448,985,723	479,028,148
17-Mar-14	13,827	9.6	59,894	41.6	73,721	51.2	30,056,252	449,045,617	479,101,869
18-Mar-14	11,643	8.1	59,379	41.2	71,022	49.3	30,067,895	449,104,996	479,172,891
19-Mar-14	12,904	9.0	61,412	42.6	74,316	51.6	30,080,799	449,166,408	479,247,207
20-Mar-14	19,132	13.3	66,719	46.3	85,851	59.6	30,099,931	449,233,127	479,333,058
21-Mar-14	16,334	11.3	69,521	48.3	85,855	59.6	30,116,265	449,302,648	479,418,913
22-Mar-14	16,397	11.4	69,226	48.1	85,623	59.5	30,132,662	449,371,874	479,504,536
23-Mar-14	15,828	11.0	69,369	48.2	85,197	59.2	30,148,490	449,441,243	479,589,733
24-Mar-14	15,784	11.0	68,970	47.9	84,754	58.9	30,164,274	449,510,213	479,674,487
25-Mar-14	14,470	10.0	68,483	47.6	82,953	57.6	30,178,744	449,578,696	479,757,440
26-Mar-14	13,723	9.5	67,946	47.2	81,669	56.7	30,192,467	449,646,642	479,839,109
27-Mar-14	12,215	8.5	65,731	45.6	77,946	54.1	30,204,682	449,712,373	479,917,055
28-Mar-14	14,772	10.3	65,074	45.2	79,846	55.4	30,219,454	449,777,447	479,996,901
29-Mar-14	15,343	10.7	63,882	44.4	79,225	55.0	30,234,797	449,841,329	480,076,126
30-Mar-14	19,000	13.2	70,962	49.3	89,962	62.5	30,253,797	449,912,291	480,166,088
31-Mar-14	20,567	14.3	74,147	51.5	94,714	65.8	30,274,364	449,986,438	480,260,802
1-Apr-14	23,312	16.2	77,028	53.5	100,340	69.7	30,297,676	450,063,466	480,361,142
2-Apr-14	23,139	16.1	77,907	54.1	101,046	70.2	30,320,815	450,141,373	480,462,188
3-Apr-14	13,321	9.3	93,935	65.2	107,256	74.5	30,334,136	450,235,308	480,569,444
4-Apr-14	8,354	5.8	73,597	51.1	81,951	56.9	30,342,490	450,308,905	480,651,395
5-Apr-14	21,009	14.6	92,145	64.0	113,154	78.6	30,363,499	450,401,050	480,764,549
6-Apr-14	21,427	14.9	84,655	58.8	106,082	73.7	30,384,926	450,485,705	480,870,631
7-Apr-14	14,193	9.9	81,337	56.5	95,530	66.3	30,399,119	450,567,042	480,966,161
8-Apr-14	6,383	4.4	80,621	56.0	87,004	60.4	30,405,502	450,647,663	481,053,165
9-Apr-14	18,410	12.8	80,954	56.2	99,364	69.0	30,423,912	450,728,617	481,152,529
10-Apr-14	18,633	12.9	79,672	55.3	98,305	68.3	30,442,545	450,808,289	481,250,834
11-Apr-14	18,505	12.9	78,191	54.3	96,696	67.2	30,461,050	450,886,480	481,347,530
12-Apr-14	18,425	12.8	77,438	53.8	95,863	66.6	30,479,475	450,963,918	481,443,393
13-Apr-14	18,235	12.7	76,990	53.5	95,225	66.1	30,497,710	451,040,908	481,538,618
14-Apr-14	16,732	11.6	75,627	52.5	92,359	64.1	30,514,442	451,116,535	481,630,977
15-Apr-14	17,119	11.9	75,294	52.3	92,413	64.2	30,531,561	451,191,829	481,723,390

Former IBM Kingston Site (TechCity Facility)
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Date	NPLA PS1 & PS2 Daily Flow (gal)	Average Pumping Rate (NPLA) (gpm)	Total GWCS Daily Flow (gal)	Average Pumping Rate (GWCS) (gpm)	Average Daily Flow Treatment System (gal)	Average Pumping Rate Treatment Sys (gpm)	Cumulative Gallons Pumped (NPLA only)	Cumulative Gallons Pumped (GWCS only)	Cumulative Gallons Pumped (Overall)
16-Apr-14	18,367	12.8	81,881	56.9	100,248	69.6	30,549,928	451,273,710	481,823,638
17-Apr-14	18,244	12.7	84,668	58.8	102,912	71.5	30,568,172	451,358,378	481,926,550
18-Apr-14	18,016	12.5	85,004	59.0	103,020	71.5	30,586,188	451,443,382	482,029,570
19-Apr-14	17,875	12.4	85,081	59.1	102,956	71.5	30,604,063	451,528,463	482,132,526
20-Apr-14	17,766	12.3	84,316	58.6	102,082	70.9	30,621,829	451,612,779	482,234,608
21-Apr-14	17,446	12.1	82,991	57.6	100,437	69.7	30,639,275	451,695,770	482,335,045
22-Apr-14	17,278	12.0	81,521	56.6	98,799	68.6	30,656,553	451,777,291	482,433,844
23-Apr-14	17,168	11.9	80,559	55.9	97,727	67.9	30,673,721	451,857,850	482,531,571
24-Apr-14	16,714	11.6	78,753	54.7	95,467	66.3	30,690,435	451,936,603	482,627,038
25-Apr-14	15,044	10.4	76,887	53.4	91,931	63.8	30,705,479	452,013,490	482,718,969
26-Apr-14	17,187	11.9	75,947	52.7	93,134	64.7	30,722,666	452,089,437	482,812,103
27-Apr-14	15,056	10.5	75,176	52.2	90,232	62.7	30,737,722	452,164,613	482,902,335
28-Apr-14	13,275	9.2	73,709	51.2	86,984	60.4	30,750,997	452,238,322	482,989,319
29-Apr-14	13,330	9.3	72,876	50.6	86,206	59.9	30,764,327	452,311,198	483,075,525
30-Apr-14	13,596	9.4	72,608	50.4	86,204	59.9	30,777,923	452,383,806	483,161,729
1-May-14	13,388	9.3	84,851	58.9	98,239	68.2	30,791,311	452,468,657	483,259,968
2-May-14	13,363	9.3	89,270	62.0	102,633	71.3	30,804,674	452,557,927	483,362,601
3-May-14	13,246	9.2	89,958	62.5	103,204	71.7	30,817,920	452,647,885	483,465,805
4-May-14	13,303	9.2	90,611	62.9	103,914	72.2	30,831,223	452,738,496	483,569,719
5-May-14	13,187	9.2	89,481	62.1	102,668	71.3	30,844,410	452,827,977	483,672,387
6-May-14	13,112	9.1	88,861	61.7	101,973	70.8	30,857,522	452,916,838	483,774,360
7-May-14	13,029	9.0	86,587	60.1	99,616	69.2	30,870,551	453,003,425	483,873,976
8-May-14	12,896	9.0	84,998	59.0	97,894	68.0	30,883,447	453,088,423	483,971,870
9-May-14	14,005	9.7	83,312	57.9	97,317	67.6	30,897,452	453,171,735	484,069,187
10-May-14	15,631	10.9	81,524	56.6	97,155	67.5	30,913,083	453,253,259	484,166,342
11-May-14	15,564	10.8	80,340	55.8	95,904	66.6	30,928,647	453,333,599	484,262,246
12-May-14	15,234	10.6	78,748	54.7	93,982	65.3	30,943,881	453,412,347	484,356,228
13-May-14	15,314	10.6	77,504	53.8	92,818	64.5	30,959,195	453,489,851	484,449,046
14-May-14	14,932	10.4	75,715	52.6	90,647	62.9	30,974,127	453,565,566	484,539,693
15-May-14	13,570	9.4	74,395	51.7	87,965	61.1	30,987,697	453,639,961	484,627,658
16-May-14	14,946	10.4	73,038	50.7	87,984	61.1	31,002,643	453,712,999	484,715,642
17-May-14	15,375	10.7	79,370	55.1	94,745	65.8	31,018,018	453,792,369	484,810,387
18-May-14	14,831	10.3	81,911	56.9	96,742	67.2	31,032,849	453,874,280	484,907,129
19-May-14	14,817	10.3	81,257	56.4	96,074	66.7	31,047,666	453,955,537	485,003,203
20-May-14	14,915	10.4	79,778	55.4	94,693	65.8	31,062,581	454,035,315	485,097,896

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Date	NPLA PS1 & PS2 Daily Flow (gal)	Average Pumping Rate (NPLA) (gpm)	Total GWCS Daily Flow (gal)	Average Pumping Rate (GWCS) (gpm)	Average Daily Flow Treatment System (gal)	Average Pumping Rate Treatment Sys (gpm)	Cumulative Gallons Pumped (NPLA only)	Cumulative Gallons Pumped (GWCS only)	Cumulative Gallons Pumped (Overall)
21-May-14	14,599	10.1	78,527	54.5	93,126	64.7	31,077,180	454,113,842	485,191,022
22-May-14	14,336	10.0	77,486	53.8	91,822	63.8	31,091,516	454,191,328	485,282,844
23-May-14	14,605	10.1	75,396	52.4	90,001	62.5	31,106,121	454,266,724	485,372,845
24-May-14	14,554	10.1	74,824	52.0	89,378	62.1	31,120,675	454,341,548	485,462,223
25-May-14	14,236	9.9	74,118	51.5	88,354	61.4	31,134,911	454,415,666	485,550,577
26-May-14	13,958	9.7	72,806	50.6	86,764	60.3	31,148,869	454,488,472	485,637,341
27-May-14	13,673	9.5	71,134	49.4	84,807	58.9	31,162,542	454,559,606	485,722,148
28-May-14	13,279	9.2	71,686	49.8	84,965	59.0	31,175,821	454,631,292	485,807,113
29-May-14	11,622	8.1	70,032	48.6	81,654	56.7	31,187,443	454,701,324	485,888,767
30-May-14	11,848	8.2	68,941	47.9	80,789	56.1	31,199,291	454,770,265	485,969,556
31-May-14	10,802	7.5	68,605	47.6	79,407	55.1	31,210,093	454,838,870	486,048,963
1-Jun-14	11,220	7.8	67,006	46.5	78,226	54.3	31,221,313	454,905,876	486,127,189
2-Jun-14	9,828	6.8	65,582	45.5	75,410	52.4	31,231,141	454,971,458	486,202,599
3-Jun-14	12,275	8.5	64,762	45.0	77,037	53.5	31,243,416	455,036,220	486,279,636
4-Jun-14	12,777	8.9	64,762	45.0	77,539	53.8	31,256,193	455,100,982	486,357,175
5-Jun-14	12,338	8.6	64,569	44.8	76,907	53.4	31,268,531	455,165,551	486,434,082
6-Jun-14	12,430	8.6	65,786	45.7	78,216	54.3	31,280,961	455,231,337	486,512,298
7-Jun-14	11,742	8.2	65,305	45.4	77,047	53.5	31,292,703	455,296,642	486,589,345
8-Jun-14	9,787	6.8	63,688	44.2	73,475	51.0	31,302,490	455,360,330	486,662,820
9-Jun-14	11,225	7.8	63,178	43.9	74,403	51.7	31,313,715	455,423,508	486,737,223
10-Jun-14	9,162	6.4	62,526	43.4	71,688	49.8	31,322,877	455,486,034	486,808,911
11-Jun-14	11,167	7.8	62,459	43.4	73,626	51.1	31,334,044	455,548,493	486,882,537
12-Jun-14	11,259	7.8	62,712	43.6	73,971	51.4	31,345,303	455,611,205	486,956,508
13-Jun-14	10,937	7.6	63,976	44.4	74,913	52.0	31,356,240	455,675,181	487,031,421
14-Jun-14	10,841	7.5	69,069	48.0	79,910	55.5	31,367,081	455,744,250	487,111,331
15-Jun-14	10,863	7.5	69,094	48.0	79,957	55.5	31,377,944	455,813,344	487,191,288
16-Jun-14	10,863	7.5	68,322	47.4	79,185	55.0	31,388,807	455,881,666	487,270,473
17-Jun-14	10,672	7.4	67,677	47.0	78,349	54.4	31,399,479	455,949,343	487,348,822
18-Jun-14	10,771	7.5	66,124	45.9	76,895	53.4	31,410,250	456,015,467	487,425,717
19-Jun-14	10,661	7.4	64,607	44.9	75,268	52.3	31,420,911	456,080,074	487,500,985
20-Jun-14	10,318	7.2	63,855	44.3	74,173	51.5	31,431,229	456,143,929	487,575,158
21-Jun-14	10,097	7.0	62,922	43.7	73,019	50.7	31,441,326	456,206,851	487,648,177
22-Jun-14	9,956	6.9	62,299	43.3	72,255	50.2	31,451,282	456,269,150	487,720,432
23-Jun-14	9,636	6.7	61,439	42.7	71,075	49.4	31,460,918	456,330,589	487,791,507
24-Jun-14	8,678	6.0	60,226	41.8	68,904	47.9	31,469,596	456,390,815	487,860,411

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25-Jun-14	9,396	6.5	60,213	41.8	69,609	48.3	31,478,992	456,451,028	487,930,020
26-Jun-14	12,656	8.8	66,624	46.3	79,280	55.1	31,491,648	456,517,652	488,009,300
27-Jun-14	12,505	8.7	70,461	48.9	82,966	57.6	31,504,153	456,588,113	488,092,266
28-Jun-14	12,789	8.9	70,249	48.8	83,038	57.7	31,516,942	456,658,362	488,175,304
29-Jun-14	12,524	8.7	69,639	48.4	82,163	57.1	31,529,466	456,728,001	488,257,467
30-Jun-14	12,707	8.8	67,789	47.1	80,496	55.9	31,542,173	456,795,790	488,337,963
1-Jul-14	12,444	8.6	66,846	46.4	79,290	55.1	31,554,617	456,862,636	488,417,253
2-Jul-14	12,022	8.3	63,992	44.4	76,014	52.8	31,566,639	456,926,628	488,493,267
3-Jul-14	11,800	8.2	69,052	48.0	80,852	56.1	31,578,439	456,995,680	488,574,119
4-Jul-14	11,877	8.2	75,443	52.4	87,320	60.6	31,590,316	457,071,123	488,661,439
5-Jul-14	11,801	8.2	81,882	56.9	93,683	65.1	31,602,117	457,153,005	488,755,122
6-Jul-14	11,775	8.2	84,766	58.9	96,541	67.0	31,613,892	457,237,771	488,851,663
7-Jul-14	13,441	9.3	83,814	58.2	97,255	67.5	31,627,333	457,321,585	488,948,918
8-Jul-14	20,124	14.0	82,614	57.4	102,738	71.3	31,647,457	457,404,199	489,051,656
9-Jul-14	20,674	14.4	82,438	57.2	103,112	71.6	31,668,131	457,486,637	489,154,768
10-Jul-14	18,998	13.2	81,419	56.5	100,417	69.7	31,687,129	457,568,056	489,255,185
11-Jul-14	13,978	9.7	78,199	54.3	92,177	64.0	31,701,107	457,646,255	489,347,362
12-Jul-14	13,369	9.3	79,068	54.9	92,437	64.2	31,714,476	457,725,323	489,439,799
13-Jul-14	14,463	10.0	76,331	53.0	90,794	63.1	31,728,939	457,801,654	489,530,593
14-Jul-14	20,931	14.5	87,372	60.7	108,303	75.2	31,749,870	457,889,026	489,638,896
15-Jul-14	20,409	14.2	92,060	63.9	112,469	78.1	31,770,279	457,981,086	489,751,365
16-Jul-14	20,024	13.9	97,917	68.0	117,941	81.9	31,790,303	458,079,003	489,869,306
17-Jul-14	19,305	13.4	100,978	70.1	120,283	83.5	31,809,608	458,179,981	489,989,589
18-Jul-14	17,035	11.8	102,867	71.4	119,902	83.3	31,826,643	458,282,848	490,109,491
19-Jul-14	889	0.6	108,867	75.6	109,756	76.2	31,827,532	458,391,715	490,219,247
20-Jul-14	1,495	1.0	103,470	71.9	104,965	72.9	31,829,027	458,495,185	490,324,212
21-Jul-14	19,577	13.6	99,185	68.9	118,762	82.5	31,848,604	458,594,370	490,442,974
22-Jul-14	19,509	13.5	98,213	68.2	117,722	81.8	31,868,113	458,692,583	490,560,696
23-Jul-14	19,875	13.8	96,240	66.8	116,115	80.6	31,887,988	458,788,823	490,676,811
24-Jul-14	19,507	13.5	97,857	68.0	117,364	81.5	31,907,495	458,886,680	490,794,175
25-Jul-14	20,021	13.9	83,430	57.9	103,451	71.8	31,927,516	458,970,110	490,897,626
26-Jul-14	13,477	9.4	85,835	59.6	99,312	69.0	31,940,993	459,055,945	490,996,938
27-Jul-14	3,632	2.5	87,772	61.0	91,404	63.5	31,944,625	459,143,717	491,088,342
28-Jul-14	803	0.6	101,836	70.7	102,639	71.3	31,945,428	459,245,553	491,190,981
29-Jul-14	9,684	6.7	100,604	69.9	110,288	76.6	31,955,112	459,346,157	491,301,269

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30-Jul-14	19,748	13.7	91,355	63.4	111,103	77.2	31,974,860	459,437,512	491,412,372
31-Jul-14	19,977	13.9	87,844	61.0	107,821	74.9	31,994,837	459,525,356	491,520,193
1-Aug-14	16,826	11.7	85,237	59.2	102,063	70.9	32,011,663	459,610,593	491,622,256
2-Aug-14	13,586	9.4	83,908	58.3	97,494	67.7	32,025,249	459,694,501	491,719,750
3-Aug-14	12,923	9.0	81,798	56.8	94,721	65.8	32,038,172	459,776,299	491,814,471
4-Aug-14	12,039	8.4	79,537	55.2	91,576	63.6	32,050,211	459,855,836	491,906,047
5-Aug-14	11,493	8.0	77,808	54.0	89,301	62.0	32,061,704	459,933,644	491,995,348
6-Aug-14	11,689	8.1	76,173	52.9	87,862	61.0	32,073,393	460,009,817	492,083,210
7-Aug-14	10,162	7.1	75,604	52.5	85,766	59.6	32,083,555	460,085,421	492,168,976
8-Aug-14	9,401	6.5	74,305	51.6	83,706	58.1	32,092,956	460,159,726	492,252,682
9-Aug-14	8,975	6.2	71,468	49.6	80,443	55.9	32,101,931	460,231,194	492,333,125
10-Aug-14	5,686	3.9	46,889	32.6	52,575	36.5	32,107,617	460,278,083	492,385,700
11-Aug-14	0	0.0	0	0.0	0	0.0	32,107,617	460,278,083	492,385,700
12-Aug-14	7,722	5.4	67,954	47.2	75,676	52.6	32,115,339	460,346,037	492,461,376
13-Aug-14	12,964	9.0	85,732	59.5	98,696	68.5	32,128,303	460,431,769	492,560,072
14-Aug-14	10,022	7.0	73,201	50.8	83,223	57.8	32,138,325	460,504,970	492,643,295
15-Aug-14	7,322	5.1	73,764	51.2	81,086	56.3	32,145,647	460,578,734	492,724,381
16-Aug-14	6,955	4.8	67,211	46.7	74,166	51.5	32,152,602	460,645,945	492,798,547
17-Aug-14	6,607	4.6	66,495	46.2	73,102	50.8	32,159,209	460,712,440	492,871,649
18-Aug-14	6,362	4.4	70,236	48.8	76,598	53.2	32,165,571	460,782,676	492,948,247
19-Aug-14	5,957	4.1	62,814	43.6	68,771	47.8	32,171,528	460,845,490	493,017,018
20-Aug-14	5,759	4.0	62,792	43.6	68,551	47.6	32,177,287	460,908,282	493,085,569
21-Aug-14	4,174	2.9	60,481	42.0	64,655	44.9	32,181,461	460,968,763	493,150,224
22-Aug-14	5,322	3.7	61,086	42.4	66,408	46.1	32,186,783	461,029,849	493,216,632
23-Aug-14	5,213	3.6	59,061	41.0	64,274	44.6	32,191,996	461,088,910	493,280,906
24-Aug-14	6,708	4.7	58,639	40.7	65,347	45.4	32,198,704	461,147,549	493,346,253
25-Aug-14	5,012	3.5	57,570	40.0	62,582	43.5	32,203,716	461,205,119	493,408,835
26-Aug-14	3,739	2.6	55,773	38.7	59,512	41.3	32,207,455	461,260,892	493,468,347
27-Aug-14	5,654	3.9	55,591	38.6	61,245	42.5	32,213,109	461,316,483	493,529,592
28-Aug-14	5,189	3.6	54,885	38.1	60,074	41.7	32,218,298	461,371,368	493,589,666
29-Aug-14	5,010	3.5	53,663	37.3	58,673	40.7	32,223,308	461,425,031	493,648,339
30-Aug-14	4,375	3.0	52,659	36.6	57,034	39.6	32,227,683	461,477,690	493,705,373
31-Aug-14	4,055	2.8	52,657	36.6	56,712	39.4	32,231,738	461,530,347	493,762,085
1-Sep-14	3,823	2.7	50,930	35.4	54,753	38.0	32,235,561	461,581,277	493,816,838
2-Sep-14	5,203	3.6	50,073	34.8	55,276	38.4	32,240,764	461,631,350	493,872,114

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3-Sep-14	3,955	2.7	50,021	34.7	53,976	37.5	32,244,719	461,681,371	493,926,090
4-Sep-14	4,201	2.9	48,167	33.4	52,368	36.4	32,248,920	461,729,538	493,978,458
5-Sep-14	3,712	2.6	48,997	34.0	52,709	36.6	32,252,632	461,778,535	494,031,167
6-Sep-14	4,550	3.2	47,099	32.7	51,649	35.9	32,257,182	461,825,634	494,082,816
7-Sep-14	7,016	4.9	47,898	33.3	54,914	38.1	32,264,198	461,873,532	494,137,730
8-Sep-14	4,324	3.0	47,387	32.9	51,711	35.9	32,268,522	461,920,919	494,189,441
9-Sep-14	3,602	2.5	48,432	33.6	52,034	36.1	32,272,124	461,969,351	494,241,475
10-Sep-14	3,711	2.6	46,215	32.1	49,926	34.7	32,275,835	462,015,566	494,291,401
11-Sep-14	4,331	3.0	45,333	31.5	49,664	34.5	32,280,166	462,060,899	494,341,065
12-Sep-14	3,092	2.1	45,660	31.7	48,752	33.9	32,283,258	462,106,559	494,389,817
13-Sep-14	4,725	3.3	44,941	31.2	49,666	34.5	32,287,983	462,151,500	494,439,483
14-Sep-14	3,987	2.8	45,467	31.6	49,454	34.3	32,291,970	462,196,967	494,488,937
15-Sep-14	3,276	2.3	43,617	30.3	46,893	32.6	32,295,246	462,240,584	494,535,830
16-Sep-14	3,567	2.5	43,944	30.5	47,511	33.0	32,298,813	462,284,528	494,583,341
17-Sep-14	3,549	2.5	44,216	30.7	47,765	33.2	32,302,362	462,328,744	494,631,106
18-Sep-14	2,930	2.0	42,173	29.3	45,103	31.3	32,305,292	462,370,917	494,676,209
19-Sep-14	3,069	2.1	42,655	29.6	45,724	31.8	32,308,361	462,413,572	494,721,933
20-Sep-14	3,065	2.1	40,642	28.2	43,707	30.4	32,311,426	462,454,214	494,765,640
21-Sep-14	3,235	2.2	42,110	29.2	45,345	31.5	32,314,661	462,496,324	494,810,985
22-Sep-14	2,414	1.7	39,898	27.7	42,312	29.4	32,317,075	462,536,222	494,853,297
23-Sep-14	3,124	2.2	41,148	28.6	44,272	30.7	32,320,199	462,577,370	494,897,569
24-Sep-14	3,039	2.1	39,973	27.8	43,012	29.9	32,323,238	462,617,343	494,940,581
25-Sep-14	1,985	1.4	39,958	27.7	41,943	29.1	32,325,223	462,657,301	494,982,524
26-Sep-14	3,061	2.1	39,823	27.7	42,884	29.8	32,328,284	462,697,124	495,025,408
27-Sep-14	3,020	2.1	38,009	26.4	41,029	28.5	32,331,304	462,735,133	495,066,437
28-Sep-14	1,760	1.2	38,278	26.6	40,038	27.8	32,333,064	462,773,411	495,106,475
29-Sep-14	2,829	2.0	38,407	26.7	41,236	28.6	32,335,893	462,811,818	495,147,711
30-Sep-14	2,814	2.0	38,570	26.8	41,384	28.7	32,338,707	462,850,388	495,189,095
1-Oct-14	2,078	1.4	36,983	25.7	39,061	27.1	32,340,785	462,887,371	495,228,156
2-Oct-14	2,982	2.1	37,386	26.0	40,368	28.0	32,343,767	462,924,757	495,268,524
3-Oct-14	1,841	1.3	36,226	25.2	38,067	26.4	32,345,608	462,960,983	495,306,591
4-Oct-14	5,333	3.7	36,248	25.2	41,581	28.9	32,350,941	462,997,231	495,348,172
5-Oct-14	3,771	2.6	36,208	25.1	39,979	27.8	32,354,712	463,033,439	495,388,151
6-Oct-14	1,713	1.2	36,422	25.3	38,135	26.5	32,356,425	463,069,861	495,426,286
7-Oct-14	3,083	2.1	37,212	25.8	40,295	28.0	32,359,508	463,107,073	495,466,581

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8-Oct-14	3,666	2.5	35,179	24.4	38,845	27.0	32,363,174	463,142,252	495,505,426
9-Oct-14	2,332	1.6	37,253	25.9	39,585	27.5	32,365,506	463,179,505	495,545,011
10-Oct-14	2,551	1.8	35,691	24.8	38,242	26.6	32,368,057	463,215,196	495,583,253
11-Oct-14	2,272	1.6	36,208	25.1	38,480	26.7	32,370,329	463,251,404	495,621,733
12-Oct-14	1,774	1.2	34,770	24.1	36,544	25.4	32,372,103	463,286,174	495,658,277
13-Oct-14	3,184	2.2	35,317	24.5	38,501	26.7	32,375,287	463,321,491	495,696,778
14-Oct-14	1,721	1.2	34,958	24.3	36,679	25.5	32,377,008	463,356,449	495,733,457
15-Oct-14	2,701	1.9	34,651	24.1	37,352	25.9	32,379,709	463,391,100	495,770,809
16-Oct-14	7,671	5.3	38,856	27.0	46,527	32.3	32,387,380	463,429,956	495,817,336
17-Oct-14	7,349	5.1	46,710	32.4	54,059	37.5	32,394,729	463,476,666	495,871,395
18-Oct-14	5,260	3.7	47,692	33.1	52,952	36.8	32,399,989	463,524,358	495,924,347
19-Oct-14	2,657	1.8	47,448	33.0	50,105	34.8	32,402,646	463,571,806	495,974,452
20-Oct-14	3,432	2.4	45,976	31.9	49,408	34.3	32,406,078	463,617,782	496,023,860
21-Oct-14	5,484	3.8	45,096	31.3	50,580	35.1	32,411,562	463,662,878	496,074,440
22-Oct-14	5,893	4.1	46,045	32.0	51,938	36.1	32,417,455	463,708,923	496,126,378
23-Oct-14	7,499	5.2	49,043	34.1	56,542	39.3	32,424,954	463,757,966	496,182,920
24-Oct-14	7,490	5.2	52,656	36.6	60,146	41.8	32,432,444	463,810,622	496,243,066
25-Oct-14	7,422	5.2	52,783	36.7	60,205	41.8	32,439,866	463,863,405	496,303,271
26-Oct-14	7,366	5.1	53,740	37.3	61,106	42.4	32,447,232	463,917,145	496,364,377
27-Oct-14	5,434	3.8	52,113	36.2	57,547	40.0	32,452,666	463,969,258	496,421,924
28-Oct-14	5,111	3.5	50,666	35.2	55,777	38.7	32,457,777	464,019,924	496,477,701
29-Oct-14	5,618	3.9	50,248	34.9	55,866	38.8	32,463,395	464,070,172	496,533,567
30-Oct-14	4,933	3.4	50,241	34.9	55,174	38.3	32,468,328	464,120,413	496,588,741
31-Oct-14	4,813	3.3	48,251	33.5	53,064	36.9	32,473,141	464,168,664	496,641,805
1-Nov-14	4,891	3.4	46,927	32.6	51,818	36.0	32,478,032	464,215,591	496,693,623
2-Nov-14	4,792	3.3	47,889	33.3	52,681	36.6	32,482,824	464,263,480	496,746,304
3-Nov-14	4,752	3.3	45,076	31.3	49,828	34.6	32,487,576	464,308,556	496,796,132
4-Nov-14	3,478	2.4	43,973	30.5	47,451	33.0	32,491,054	464,352,529	496,843,583
5-Nov-14	4,756	3.3	44,966	31.2	49,722	34.5	32,495,810	464,397,495	496,893,305
6-Nov-14	4,616	3.2	43,261	30.0	47,877	33.2	32,500,426	464,440,756	496,941,182
7-Nov-14	3,278	2.3	43,579	30.3	46,857	32.5	32,503,704	464,484,335	496,988,039
8-Nov-14	4,633	3.2	40,655	28.2	45,288	31.5	32,508,337	464,524,990	497,033,327
9-Nov-14	3,271	2.3	42,681	29.6	45,952	31.9	32,511,608	464,567,671	497,079,279
10-Nov-14	4,166	2.9	41,084	28.5	45,250	31.4	32,515,774	464,608,755	497,124,529
11-Nov-14	3,140	2.2	39,785	27.6	42,925	29.8	32,518,914	464,648,540	497,167,454

Former IBM Kingston Site (TechCity Facility)
Groundwater Collection System and North Parking Lot Area Extraction Data
Last Updated: 03/03/15

Date	NPLA PS1 & PS2 Daily Flow (gal)	Average Pumping Rate (NPLA) (gpm)	Total GWCS Daily Flow (gal)	Average Pumping Rate (GWCS) (gpm)	Average Daily Flow Treatment System (gal)	Average Pumping Rate Treatment Sys (gpm)	Cumulative Gallons Pumped (NPLA only)	Cumulative Gallons Pumped (GWCS only)	Cumulative Gallons Pumped (Overall)
12-Nov-14	3,890	2.7	39,222	27.2	43,112	29.9	32,522,804	464,687,762	497,210,566
13-Nov-14	3,943	2.7	39,657	27.5	43,600	30.3	32,526,747	464,727,419	497,254,166
14-Nov-14	3,330	2.3	39,489	27.4	42,819	29.7	32,530,077	464,766,908	497,296,985
15-Nov-14	3,672	2.6	38,417	26.7	42,089	29.2	32,533,749	464,805,325	497,339,074
16-Nov-14	3,549	2.5	36,974	25.7	40,523	28.1	32,537,298	464,842,299	497,379,597
17-Nov-14	8,905	6.2	37,877	26.3	46,782	32.5	32,546,203	464,880,176	497,426,379
18-Nov-14	7,020	4.9	41,608	28.9	48,628	33.8	32,553,223	464,921,784	497,475,007
19-Nov-14	3,773	2.6	43,168	30.0	46,941	32.6	32,556,996	464,964,952	497,521,948
20-Nov-14	4,079	2.8	41,829	29.0	45,908	31.9	32,561,075	465,006,781	497,567,856
21-Nov-14	4,276	3.0	43,009	29.9	47,285	32.8	32,565,351	465,049,790	497,615,141
22-Nov-14	4,069	2.8	40,854	28.4	44,923	31.2	32,569,420	465,090,644	497,660,064
23-Nov-14	3,632	2.5	40,610	28.2	44,242	30.7	32,573,052	465,131,254	497,704,306
24-Nov-14	8,803	6.1	39,021	27.1	47,824	33.2	32,581,855	465,170,275	497,752,130
25-Nov-14	5,720	4.0	44,191	30.7	49,911	34.7	32,587,575	465,214,466	497,802,041
26-Nov-14	4,850	3.4	39,768	27.6	44,618	31.0	32,592,425	465,254,234	497,846,659
27-Nov-14	5,446	3.8	47,301	32.8	52,747	36.6	32,597,871	465,301,535	497,899,406
28-Nov-14	6,230	4.3	43,326	30.1	49,556	34.4	32,604,101	465,344,861	497,948,962
29-Nov-14	5,252	3.6	45,118	31.3	50,370	35.0	32,609,353	465,389,979	497,999,332
30-Nov-14	5,764	4.0	45,180	31.4	50,944	35.4	32,615,117	465,435,159	498,050,276
1-Dec-14	8,337	5.8	44,922	31.2	53,259	37.0	32,623,454	465,480,081	498,103,535
2-Dec-14	6,717	4.7	46,262	32.1	52,979	36.8	32,630,171	465,526,343	498,156,514
3-Dec-14	6,971	4.8	46,271	32.1	53,242	37.0	32,637,142	465,572,614	498,209,756
4-Dec-14	5,954	4.1	48,283	33.5	54,237	37.7	32,643,096	465,620,897	498,263,993
5-Dec-14	6,428	4.5	47,057	32.7	53,485	37.1	32,649,524	465,667,954	498,317,478
6-Dec-14	8,203	5.7	46,873	32.6	55,076	38.2	32,657,727	465,714,827	498,372,554
7-Dec-14	8,212	5.7	50,614	35.1	58,826	40.9	32,665,939	465,765,441	498,431,380
8-Dec-14	9,134	6.3	52,465	36.4	61,599	42.8	32,675,073	465,817,906	498,492,979
9-Dec-14	11,827	8.2	52,835	36.7	64,662	44.9	32,686,900	465,870,741	498,557,641
10-Dec-14	14,836	10.3	57,564	40.0	72,400	50.3	32,701,736	465,928,305	498,630,041
11-Dec-14	13,635	9.5	60,807	42.2	74,442	51.7	32,715,371	465,989,112	498,704,483
12-Dec-14	10,914	7.6	62,711	43.5	73,625	51.1	32,726,285	466,051,823	498,778,108
13-Dec-14	9,808	6.8	63,009	43.8	72,817	50.6	32,736,093	466,114,832	498,850,925
14-Dec-14	8,925	6.2	63,027	43.8	71,952	50.0	32,745,018	466,177,859	498,922,877
15-Dec-14	8,363	5.8	63,948	44.4	72,311	50.2	32,753,381	466,241,807	498,995,188
16-Dec-14	7,822	5.4	62,507	43.4	70,329	48.8	32,761,203	466,304,314	499,065,517

Former IBM Kingston Site (TechCity Facility)**Groundwater Collection System and North Parking Lot Area Extraction Data**

Last Updated: 03/03/15

Date	NPLA PS1 & PS2 Daily Flow (gal)	Average Pumping Rate (NPLA) (gpm)	Total GWCS Daily Flow (gal)	Average Pumping Rate (GWCS) (gpm)	Average Daily Flow Treatment System (gal)	Average Pumping Rate Treatment Sys (gpm)	Cumulative Gallons Pumped (NPLA only)	Cumulative Gallons Pumped (GWCS only)	Cumulative Gallons Pumped (Overall)
17-Dec-14	7,336	5.1	62,365	43.3	69,701	48.4	32,768,539	466,366,679	499,135,218
18-Dec-14	7,301	5.1	61,829	42.9	69,130	48.0	32,775,840	466,428,508	499,204,348
19-Dec-14	6,681	4.6	61,134	42.5	67,815	47.1	32,782,521	466,489,642	499,272,163
20-Dec-14	6,890	4.8	60,588	42.1	67,478	46.9	32,789,411	466,550,230	499,339,641
21-Dec-14	6,480	4.5	59,280	41.2	65,760	45.7	32,795,891	466,609,510	499,405,401
22-Dec-14	8,022	5.6	57,627	40.0	65,649	45.6	32,803,913	466,667,137	499,471,050
23-Dec-14	6,341	4.4	57,626	40.0	63,967	44.4	32,810,254	466,724,763	499,535,017
24-Dec-14	6,072	4.2	55,654	38.6	61,726	42.9	32,816,326	466,780,417	499,596,743
25-Dec-14	6,184	4.3	58,574	40.7	64,758	45.0	32,822,510	466,838,991	499,661,501
26-Dec-14	6,161	4.3	58,316	40.5	64,477	44.8	32,828,671	466,897,307	499,725,978
27-Dec-14	5,928	4.1	58,603	40.7	64,531	44.8	32,834,599	466,955,910	499,790,509
28-Dec-14	6,063	4.2	58,915	40.9	64,978	45.1	32,840,662	467,014,825	499,855,487
29-Dec-14	5,719	4.0	58,634	40.7	64,353	44.7	32,846,381	467,073,459	499,919,840
30-Dec-14	5,863	4.1	57,772	40.1	63,635	44.2	32,852,244	467,131,231	499,983,475
31-Dec-14	5,546	3.9	57,532	40.0	63,078	43.8	32,857,790	467,188,763	500,046,553

Appendix D

Groundwater Extraction and Treatment System Data Report including Flux Calculations

Former IBM Kingston Facility
Groundwater Treatment System Effectiveness Data
January 1, 2014 - December 31, 2014

GWCS UP AS

SAMPLE LOCATION	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	01/09/14	01/16/14	02/06/14	02/17/14	03/06/14	03/13/14
LABORATORY SAMPLE I.D.	420-73890-3	420-74123-2	420-74664-3	420-74937-2	420-75504-3	420-75746-2
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER	UNITS
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	NA	NA	NA	NA	NA	NA
TEMPERATURE	C	NA	NA	NA	NA	NA	NA
TOTAL DISSOLVED SOLIDS	mg/l	NA	NA	NA	NA	NA	NA
TOTAL SUSPENDED SOLIDS	mg/l	NA	NA	NA	NA	NA	NA

METALS

LEAD, TOTAL	mg/l	NA	NA	NA	NA	NA	NA
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VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	62	59	63	58	59	53
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	20	18	22	19	21	20
1,1-DICHLOROETHYLENE	ug/l	12	10	ND@1	10	9.6	9.9
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	1.0	ND@1	1.1	1.0	1.1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	58	51	62	53	57	51
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
ACROLEIN	ug/l	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
ACRYLONITRILE	ug/l	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
BENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

Former IBM Kingston Facility
Groundwater Treatment System Effectiveness Data
January 1, 2014 - December 31, 2014

GWCS UP AS

SAMPLE LOCATION	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	01/09/14	01/16/14	02/06/14	02/17/14	03/06/14	03/13/14
LABORATORY SAMPLE I.D.	420-73890-3	420-74123-2	420-74664-3	420-74937-2	420-75504-3	420-75746-2
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER	UNITS
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VOLATILE ORGANICS (Continued)

BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	2.0	2.1	2.2	2.0	2.1	2.0
TOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	120D	98	120D	94	98	93
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	1.1	1.6	1.4	ND@1	1.1	ND@1
XYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

Former IBM Kingston Facility
Groundwater Treatment System Effectiveness Data
January 1, 2014 - December 31, 2014

GWCS UP AS

SAMPLE LOCATION	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	04/07/14	04/14/14	05/01/14	05/08/14	06/06/14	06/12/14
LABORATORY SAMPLE I.D.	420-76504-3	420-76729-2	420-77274-3	420-77546-2	420-78572-3	420-78792-2
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER	UNITS
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	NA	NA	NA	NA	NA	NA
TEMPERATURE	C	NA	NA	NA	NA	NA	NA
TOTAL DISSOLVED SOLIDS	mg/l	NA	NA	NA	NA	NA	NA
TOTAL SUSPENDED SOLIDS	mg/l	NA	NA	NA	NA	NA	NA

METALS

LEAD, TOTAL	mg/l	NA	NA	NA	NA	NA	NA
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VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	70	96	82	91	99	91
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	20	26	21	25	26	24
1,1-DICHLOROETHYLENE	ug/l	13	17	16	18	14	14
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	1.2	ND@1	1.2	1.3	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	49	66	52	65	77	67
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
ACROLEIN	ug/l	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
ACRYLONITRILE	ug/l	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
BENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

GWCS UP AS

PARAMETER	UNITS
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BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLORO BENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	2.5	3.1	2.6	3.1	3.0	2.8
TOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	96	110D	88D	110D	100D	100D
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	1.6	2.3	1.3	2.0	2.1	1.5
XYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

GWCS UP AS

SAMPLE LOCATION	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	07/03/14	07/10/14	08/07/14	08/14/14	09/04/14	09/11/14
LABORATORY SAMPLE I.D.	420-79576-3	420-79765-2	420-80845-3	420-81128-2	420-81873-3	420-82130-2
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER	UNITS
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	NA	NA	NA	NA	NA	NA
TEMPERATURE	C	NA	NA	NA	NA	NA	NA
TOTAL DISSOLVED SOLIDS	mg/l	NA	NA	NA	NA	NA	NA
TOTAL SUSPENDED SOLIDS	mg/l	NA	NA	NA	NA	NA	NA

METALS

LEAD, TOTAL	mg/l	NA	NA	NA	NA	NA	NA
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VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	89	87	73D	86D	99	82D
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	26	27	22	23	25	26
1,1-DICHLOROETHYLENE	ug/l	15	16	14	14	14	16
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	1.1	1.2	1.1	ND@1	1.2	1.3
1,2-DICHLOROETHYLENE, TOTAL	ug/l	69	73	65	63	74	79
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
ACROLEIN	ug/l	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
ACRYLONITRILE	ug/l	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
BENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

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GWCS UP AS

SAMPLE LOCATION	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	07/03/14	07/10/14	08/07/14	08/14/14	09/04/14	09/11/14
LABORATORY SAMPLE I.D.	420-79576-3	420-79765-2	420-80845-3	420-81128-2	420-81873-3	420-82130-2
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	2.6	2.6	2.9	3.0	2.9	2.9
TOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	100D	110D	97D	100D	100D	110D
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	2.3	2.6	1.2	1.2	1.2	1.3
XYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

GWCS UP AS

PARAMETER	UNITS
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BASE/NEUTRAL EXTRACTABLES

INDICATOR PARAMETERS

METALS

LEAD, TOTAL	mg/l	NA	NA	NA	NA	NA	NA
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VOLATILE ORGANICS

03/09/15

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GWCS UP AS

SAMPLE LOCATION	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS	GWCS UP AS
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	10/02/14	10/09/14	11/06/14	11/13/14	12/04/14	12/11/14
LABORATORY SAMPLE I.D.	420-82966-3	420-83247-2	420-84230-3	420-84478-2	420-85173-3	420-85461-2
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	2.0	2.1	2.1	2.3	1.9	2.7
TOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	97	98	98	92D	83D	91D
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	1.8
XYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

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NPLA INFL

SAMPLE LOCATION	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	01/09/14	02/06/14	03/06/14	04/07/14	05/01/14	06/06/14
LABORATORY SAMPLE I.D.	420-73890-2	420-74664-2	420-75504-2	420-76504-2	420-77274-2	420-78572-2
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	NA	NA	NA	NA	NA	NA
TEMPERATURE	C	NA	NA	NA	NA	NA	NA
TOTAL DISSOLVED SOLIDS	mg/l	NA	NA	NA	NA	NA	NA
TOTAL SUSPENDED SOLIDS	mg/l	NA	NA	NA	NA	NA	NA

METALS

LEAD, TOTAL	mg/l	NA	NA	NA	NA	NA	NA
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VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	40	1.2	2.2	2.2	65	59
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	17	ND@1	ND@1	ND@1	21	26
1,1-DICHLOROETHYLENE	ug/l	3.1	ND@1	ND@1	ND@1	3.1	4.1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	1.0
1,2-DICHLOROETHYLENE, TOTAL	ug/l	80	2.0	31	3.2	93	93D
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
ACROLEIN	ug/l	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
ACRYLONITRILE	ug/l	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
BENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

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NPLA INFL

SAMPLE LOCATION	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	01/09/14	02/06/14	03/06/14	04/07/14	05/01/14	06/06/14
LABORATORY SAMPLE I.D.	420-73890-2	420-74664-2	420-75504-2	420-76504-2	420-77274-2	420-78572-2
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLORO BENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	4.4	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	1.4	1.2	ND@1	ND@1	2.5	2.3
TOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	51	2.2	4.6	5.3	75	100
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	4.8	ND@1	2.0	ND@1	6.7	2.6
XYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

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NPLA INFL

SAMPLE LOCATION	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	07/03/14	08/07/14	09/04/14	10/02/14	11/06/14	12/04/14
LABORATORY SAMPLE I.D.	420-79576-2	420-80845-2	420-81873-2	420-82966-2	420-84230-2	420-85173-2
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	NA	NA	NA	NA	NA	NA
TEMPERATURE	C	NA	NA	NA	NA	NA	NA
TOTAL DISSOLVED SOLIDS	mg/l	NA	NA	NA	NA	NA	NA
TOTAL SUSPENDED SOLIDS	mg/l	NA	NA	NA	NA	NA	NA

METALS

LEAD, TOTAL	mg/l	NA	NA	NA	NA	NA	NA
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VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	1.2	1.4	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	1.4	2.1	4.5	6.5	1.9	2.2
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
ACROLEIN	ug/l	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
ACRYLONITRILE	ug/l	ND@5	ND@5	ND@5	ND@5	ND@5	ND@5
BENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

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NPLA INFL

SAMPLE LOCATION	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL	NPLA INFL
SAMPLE DESCRIPTION	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
SAMPLE DATE	07/03/14	08/07/14	09/04/14	10/02/14	11/06/14	12/04/14
LABORATORY SAMPLE I.D.	420-79576-2	420-80845-2	420-81873-2	420-82966-2	420-84230-2	420-85173-2
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	1.1
TETRACHLOROETHYLENE	ug/l	1.1	1.0	1.0	1.0	1.0	ND@1
TOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	6.9	63	47	17	2.8	4.5
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	ND@1	ND@1	ND@1

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SPDES OF 01A

SAMPLE LOCATION	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A
SAMPLE DESCRIPTION	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL
SAMPLE DATE	01/09/14	01/09/14	01/16/14	02/06/14	02/17/14	03/06/14
LABORATORY SAMPLE I.D.	420-73890-1	420-73894-1	420-74123-1	420-74664-1	420-74937-1	420-75504-1
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	7.59	NA	8.27	8.41	8.42	8.54
TEMPERATURE	C	12.0	NA	12.0	11.3	10.5	8.6
TOTAL DISSOLVED SOLIDS	mg/l	310	NA	NA	310	NA	210
TOTAL SUSPENDED SOLIDS	mg/l	ND@1.0	NA	NA	ND@1.0	NA	ND@1.0

METALS

LEAD, TOTAL	mg/l	NA	ND@0.0050	NA	NA	NA	NA
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VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROPROPANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
4-CHLOROTOLUENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
ACROLEIN	ug/l	ND@5	NA	ND@5	ND@5	ND@5	ND@5
ACRYLONITRILE	ug/l	ND@5	NA	ND@5	ND@5	ND@5	ND@5
BENZENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
BENZYL CHLORIDE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1

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SPDES OF 01A

SAMPLE LOCATION	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A
SAMPLE DESCRIPTION	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL
SAMPLE DATE	01/09/14	01/09/14	01/16/14	02/06/14	02/17/14	03/06/14
LABORATORY SAMPLE I.D.	420-73890-1	420-73894-1	420-74123-1	420-74664-1	420-74937-1	420-75504-1
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

BROMOFORM	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
TOLUENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	ND@1	NA	ND@1	ND@1	ND@1	ND@1

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SPDES OF 01A

SAMPLE LOCATION	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A
SAMPLE DESCRIPTION	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL
SAMPLE DATE	03/13/14	04/07/14	04/07/14	04/14/14	05/01/14	05/08/14
LABORATORY SAMPLE I.D.	420-75746-1	420-76504-1	420-76505-1	420-76729-1	420-77274-1	420-77546-1
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	7.59	8.55	NA	8.15	7.70	7.54
TEMPERATURE	C	8.0	10.0	NA	12.1	12.1	12.3
TOTAL DISSOLVED SOLIDS	mg/l	NA	320	NA	NA	300	NA
TOTAL SUSPENDED SOLIDS	mg/l	NA	ND@1.0	NA	NA	ND@1.0	NA

METALS

LEAD, TOTAL	mg/l	NA	NA	ND@0.0050	NA	NA	NA
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VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
ACROLEIN	ug/l	ND@5	ND@5	NA	ND@5	ND@5	ND@5
ACRYLONITRILE	ug/l	ND@5	ND@5	NA	ND@5	ND@5	ND@5
BENZENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
BENZYL CHLORIDE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1

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SPDES OF 01A

SAMPLE LOCATION	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A
SAMPLE DESCRIPTION	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL
SAMPLE DATE	03/13/14	04/07/14	04/07/14	04/14/14	05/01/14	05/08/14
LABORATORY SAMPLE I.D.	420-75746-1	420-76504-1	420-76505-1	420-76729-1	420-77274-1	420-77546-1
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

BROMOFORM	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
TOLUENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	ND@1	ND@1	NA	ND@1	ND@1	ND@1

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SPDES OF 01A

SAMPLE LOCATION	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A
SAMPLE DESCRIPTION	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL
SAMPLE DATE	06/06/14	06/12/14	07/03/14	07/03/14	07/10/14	08/07/14
LABORATORY SAMPLE I.D.	420-78572-1	420-78792-1	420-79576-1	420-79577-1	420-79765-1	420-80845-1
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	7.65	7.92	8.23	NA	8.08	7.09
TEMPERATURE	C	13.5	15.3	17.8	NA	17.5	18.8
TOTAL DISSOLVED SOLIDS	mg/l	330	NA	330	NA	NA	320
TOTAL SUSPENDED SOLIDS	mg/l	1.5	NA	ND@1.0	NA	NA	ND@1.0

METALS

LEAD, TOTAL	mg/l	NA	NA	NA	ND@0.0050	NA	NA
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VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
ACROLEIN	ug/l	ND@5	ND@5	ND@5	NA	ND@5	ND@5
ACRYLONITRILE	ug/l	ND@5	ND@5	ND@5	NA	ND@5	ND@5
BENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1

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SPDES OF 01A

SAMPLE LOCATION	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A
SAMPLE DESCRIPTION	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL
SAMPLE DATE	06/06/14	06/12/14	07/03/14	07/03/14	07/10/14	08/07/14
LABORATORY SAMPLE I.D.	420-78572-1	420-78792-1	420-79576-1	420-79577-1	420-79765-1	420-80845-1
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

BROMOFORM	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
ETHYLBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
TOLUENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
XYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1

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SPDES OF 01A

SAMPLE LOCATION	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A
SAMPLE DESCRIPTION	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL
SAMPLE DATE	08/14/14	09/04/14	09/11/14	10/02/14	10/02/14	10/09/14
LABORATORY SAMPLE I.D.	420-81128-1	420-81873-1	420-82130-1	420-82965-1	420-82966-1	420-83247-1
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

BASE/NEUTRAL EXTRACTABLES

	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
2-CHLOROETHYLVINYL ETHER	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1

INDICATOR PARAMETERS

	pH	7.96	7.75	7.92	NA	6.86	7.28
PH	pH	7.96	7.75	7.92	NA	6.86	7.28
TEMPERATURE	C	18.9	20.2	19.6	NA	17.9	14.0
TOTAL DISSOLVED SOLIDS	mg/l	NA	350	NA	NA	300	NA
TOTAL SUSPENDED SOLIDS	mg/l	NA	ND@1.0	NA	NA	ND@1.0	NA

METALS

	mg/l	NA	NA	NA	ND@0.0050	NA	NA
LEAD, TOTAL	mg/l	NA	NA	NA	ND@0.0050	NA	NA

VOLATILE ORGANICS

	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
ACROLEIN	ug/l	ND@5	ND@5	ND@5	NA	ND@5	ND@5
ACRYLONITRILE	ug/l	ND@5	ND@5	ND@5	NA	ND@5	ND@5
BENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1

Former IBM Kingston Facility
Groundwater Treatment System Effectiveness Data
January 1, 2014 - December 31, 2014

SPDES OF 01A

SAMPLE LOCATION	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A
SAMPLE DESCRIPTION	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL
SAMPLE DATE	08/14/14	09/04/14	09/11/14	10/02/14	10/02/14	10/09/14
LABORATORY SAMPLE I.D.	420-81128-1	420-81873-1	420-82130-1	420-82965-1	420-82966-1	420-83247-1
SAMPLE RUN NUMBER	01	01	01	01	01	01
SAMPLE COMMENT CODES						

PARAMETER UNITS

VOLATILE ORGANICS (Continued)

BROMOFORM	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
ETHYLBENZENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
TOLUENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1
XYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	NA	ND@1	ND@1

Former IBM Kingston Facility
Groundwater Treatment System Effectiveness Data
January 1, 2014 - December 31, 2014

SPDES OF 01A

SAMPLE LOCATION	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A
SAMPLE DESCRIPTION	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL
SAMPLE DATE	11/06/14	11/13/14	12/04/14	12/11/14
LABORATORY SAMPLE I.D.	420-84230-1	420-84478-1	420-85173-1	420-85461-1
SAMPLE RUN NUMBER	01	01	01	01
SAMPLE COMMENT CODES				

PARAMETER	UNITS
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BASE/NEUTRAL EXTRACTABLES

1,2-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
1,3-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
1,4-DICHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
2-CHLOROETHYL VINYL ETHER	ug/l	ND@1	ND@1	ND@1	ND@1

INDICATOR PARAMETERS

PH	pH	7.65	7.56	7.68	8.09
TEMPERATURE	C	15.2	12.5	13.5	13.5
TOTAL DISSOLVED SOLIDS	mg/l	310	NA	470	NA
TOTAL SUSPENDED SOLIDS	mg/l	ND@1.0	NA	1.9	NA

METALS

LEAD, TOTAL	mg/l	NA	NA	NA	NA
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VOLATILE ORGANICS

1,1,1,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,1-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2,2-TETRACHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1,2-TRICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,1-DICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2,3-TRICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLORO-1,2,2-TRIFLUOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROETHYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	ND@1
1,2-DICHLOROPROPANE	ug/l	ND@1	ND@1	ND@1	ND@1
4-CHLOROTOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1
ACROLEIN	ug/l	ND@5	ND@5	ND@5	ND@5
ACRYLONITRILE	ug/l	ND@5	ND@5	ND@5	ND@5
BENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
BENZYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
BROMODICHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1

Former IBM Kingston Facility
Groundwater Treatment System Effectiveness Data
January 1, 2014 - December 31, 2014

SPDES OF 01A

SAMPLE LOCATION	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A	SPDES OF 01A
SAMPLE DESCRIPTION	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL	SPDES OUTFL
SAMPLE DATE	11/06/14	11/13/14	12/04/14	12/11/14
LABORATORY SAMPLE I.D.	420-84230-1	420-84478-1	420-85173-1	420-85461-1
SAMPLE RUN NUMBER	01	01	01	01
SAMPLE COMMENT CODES				

PARAMETER	UNITS
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VOLATILE ORGANICS (Continued)

BROMOFORM	ug/l	ND@1	ND@1	ND@1	ND@1
BROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CARBON TETRACHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLORODIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROFORM	ug/l	ND@1	ND@1	ND@1	ND@1
CHLOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
CIS-1,3-DICHLOROPROPYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
DIBROMOMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
DICHLORODIFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
ETHYLBENZENE	ug/l	ND@1	ND@1	ND@1	ND@1
METHYLENE CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
TETRACHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
TOLUENE	ug/l	ND@1	ND@1	ND@1	ND@1
TRANS-1,3-DICHLOROPROPENE	ug/l	ND@1	ND@1	ND@1	ND@1
TRICHLOROETHYLENE	ug/l	ND@1	ND@1	ND@1	ND@1
TRICHLOROFLUOROMETHANE	ug/l	ND@1	ND@1	ND@1	ND@1
VINYL CHLORIDE	ug/l	ND@1	ND@1	ND@1	ND@1
XYLENE, TOTAL	ug/l	ND@1	ND@1	ND@1	ND@1

Former IBM Kingston Facility
Groundwater Treatment System Effectiveness Data
January 1, 2014 - December 31, 2014

EXPLANATION OF REPORTING CONVENTIONS AND KEY TO COMMENT CODES

REPORTING CONVENTIONS

NA Not Analyzed
ND@X Not Detected at Detection Limit X
BMRL@X Below Minimum Reporting Limit of X

CODE EXPLANATION

^ Non-Standard Measurement Unit
c Sample contained sediment which may have contributed to reported results
d 24 Hour Composite Sample
B Organic analyte detected in both the sample and the laboratory blank
D Compounds identified at a secondary dilution factor
E Concentration exceeds the calibration range of the GC/MS instrument
J Estimated Value
N Spiked sample recovery not within control limits
P Lower of 2 GC column concentrations that have more than 25% difference
R Reported value is less than the CRDL but greater than the IDL
S Surrogate recoveries exceed acceptable control limits
W Post digestion spike FAA out of control limits; sample absorbance < 50%
* Manhole flooded when sediment sample collected
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL) (Inorganics)
H Sample was prepped or run beyond the specified method holding time
^ Value estimated. Possible meter malfunction.

Former IBM Kingston Facility Flux Calculations

Groundwater Collection System and MW-504S Pumping Well and
North Parking Lot Area Passive Groundwater Collection System

Groundwater Collection System

Total Gallons Extracted January 1, 2014 - June 30, 2014: 12,149,402

Average Flow Rate 66,572 gal/day

	avg. ug/l	Flux lbs/day
Tetrachloroethene	2.5	0.00062
Trichloroethene	102.3	0.05676
12-Dichloroethene(tot)	59.0	0.03275
Vinyl Chloride	1.2	0.00069
111-Trichloroethane	73.6	0.04084
11-Dichloroethane	21.8	0.01212
12-Dichloroethane	0.7	0.00037
11-Dichloroethene	12.9	0.00715
Freon 113	0.0	0.00000
Freon 123a	0.0	0.00000

Total flux contributed by GWCS: 0.15129 lbs/day

Semiannual Flux for GWCS: 27.61 lbs

Pumping Well MW-504S (offline)

Total Gallons Extracted January 1, 2014 - June 30, 2014: 0

Average Flow Rate 0 gal/day

	avg. ug/l	Flux lbs/day
Tetrachloroethene		0.00000
Trichloroethene		0.00000
111-Trichloroethane		0.00000

Total flux contributed by MW-504S: 0.00000 lbs/day

Semiannual Flux for MW-504S: 0.000 lbs

North Parking Lot Area Passive Groundwater Collection System

Total Gallons Extracted January 1, 2014 - June 30, 2014: 2,313,136

Average Flow Rate 12,675 gal/day

	avg. ug/l	Flux lbs/day
Tetrachloroethene	1.2	0.00013
Trichloroethene	39.7	0.00419
12-Dichloroethene(tot)	50.4	0.00532
Vinyl Chloride	2.7	0.00028
111-Trichloroethane	28.3	0.00299
11-Dichloroethane	10.7	0.00113
12-Dichloroethane	0.2	0.00002
11-Dichloroethene	1.7	0.00018
Freon 113	0.0	0.00000
Freon 123a	0.0	0.00000

Total flux contributed by NPLA pump stations: 0.01424 lbs/day

Semiannual Flux for NPLA pump stations: 2.60 lbs

overall flux: 30.2103

Former IBM Kingston Facility Flux Calculations

Groundwater Collection System and MW-504S Pumping Well and
North Parking Lot Area Passive Groundwater Collection System

Groundwater Collection System

Total Gallons Extracted July 1, 2014 - December 31, 2014: 10,392,973

Average Flow Rate 56,948 gal/day

	avg. ug/l	Flux lbs/day
Tetrachloroethene	2.5	0.00119
Trichloroethene	98.0	0.04653
12-Dichloroethene(tot)	69.8	0.03316
Vinyl Chloride	1.0	0.00046
111-Trichloroethane	81.8	0.03886
11-Dichloroethane	23.5	0.01116
12-Dichloroethane	0.9	0.00042
11-Dichloroethene	12.8	0.00608
Freon 113	0.0	0.00000
Freon 123a	0.0	0.00000

Total flux contributed by GWCS: 0.13786 lbs/day

Semiannual Flux for GWCS: 25.16 lbs

Pumping Well MW-504S (offline)

Total Gallons Extracted July 1, 2014 - December 31, 2014: 0

Average Flow Rate 0 gal/day

	avg. ug/l	Flux lbs/day
Tetrachloroethene		0.00000
Trichloroethene		0.00000
111-Trichloroethane		0.00000

Total flux contributed by MW-504S: 0.00000 lbs/day

Semiannual Flux for MW-504S: 0.000 lbs

North Parking Lot Area Passive Groundwater Collection System

Total Gallons Extracted July 1, 2014 - December 31, 2014: 1,315,617

Average Flow Rate 7,209 gal/day

	avg. ug/l	Flux lbs/day
Tetrachloroethene	0.9	0.00005
Trichloroethene	23.2	0.00139
12-Dichloroethene(tot)	3.5	0.00021
Vinyl Chloride	0.0	0.00000
111-Trichloroethane	0.0	0.00000
11-Dichloroethane	0.0	0.00000
12-Dichloroethane	0.0	0.00000
11-Dichloroethene	0.0	0.00000
Freon 113	0.0	0.00000
Freon 123a	0.0	0.00000

Total flux contributed by NPLA pump stations: 0.00165 lbs/day

Semiannual Flux for NPLA pump stations: 0.30 lbs

overall flux: 25.4608