Corrective Action Plan for Clean Closure of the Former Electroplating Unit and Former Evaporation Unit

Former York Casket Hardware Facility
506 Maltbie Street
Lawrenceville, Georgia 30045
EPA ID No. GAD 003 625 030
Hazardous Waste Facility Permit HW-092(D)

Prepared for:
Matthews International Corporation
Two NorthShore Center
Pittsburgh, Pennsylvania 15212-5851

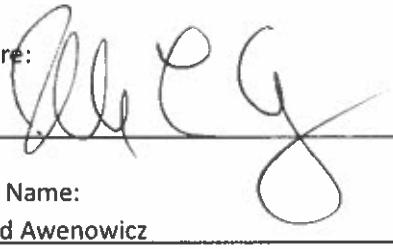
Revised October 24, 2025

Revised September 17, 2025
Original May 14, 2025

American Environmental & Construction Services, Inc.
1170 Tidwell Road, Suite 103
Alpharetta, Georgia 30004

FACILITY CERTIFICATION

I certify, under penalty of law, that this document and all appendices were prepared under my direction, or supervision, in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person, or persons, who managed the system, or those persons who were directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: 

Date: 10/23/2025

Printed Name:
Ronald Awenowicz

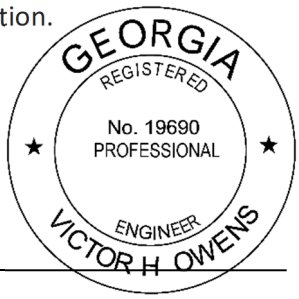
Title:
Senior Vice President

Company:
The York Group, Inc.

PROFESSIONAL ENGINEER CERTIFICATION

I certify that I am a qualified groundwater scientist who has received a baccalaureate, or postgraduate degree, in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by me, or by subordinates working under my direction.

Signature: Victor H Owens



Seal

Date: October 23, 2025

Printed Name:
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Title:
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Company:
American Environmental & Construction Services, Inc.

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1.0 INTRODUCTION

This corrective action plan (CAP) is being submitted to document the removal of impacted material from the former Electroplating Area and the former Evaporation Area down to the water table or bedrock at the former York Casket Hardware (York) Facility located at 506 Maltbie Street, Lawrenceville, Georgia (see Figures 1 and 2). The soil corrective action was conducted as an interim corrective measure to clean close the two Resource Conservation and Recovery Act (RCRA) regulated units (RUs) since the impacted soil was removed to the water table or bedrock, thus completely removing the RUs. This corrective action plan is being submitted as part of a Permit Modification Request to terminate Hazardous Waste Facility Permit HW-092(D) since the RUs have been removed (clean closed) and no longer require post-closure care. Impacted soil within the drainage ditch north and northeast of the former Evaporation Area, Solid Waste Management Unit (SWMU)-15, was also removed to approved soil standards to eliminate any potential additional groundwater impacts. The remaining groundwater impacts will be monitored and regulated under a Consent Order to be established between the Georgia Department of Natural Resources, Environmental Protection Division (EPD) and Matthews International Corporation (Matthews).

The former Electroplating and Evaporation Areas were closed in place and capped in 1994. The equipment and associated piping, tanks, sumps, and sludges were removed when the areas were closed. Because impacted soil and groundwater remained after the equipment and sludge were removed, the areas were closed as landfills and capped per post-closure care requirements of the RCRA regulations. A groundwater recovery and treatment system operated at the facility from March 1996 to December 2024.

Matthews completed the soil interim corrective action for clean closure of the RUs and associated areas in accordance with the *Interim Measures Work Plan for Clean Closure of the Former Electroplating and Evaporation Units* dated November 13, 2024. The Work Plan was submitted as a Temporary Authorization Request dated November 13, 2024, that was approved by EPD in correspondence dated November 27, 2024 (see Appendix A).

Implementation of the soil interim corrective action began on December 30, 2024, when work began to remove the concrete cap at RU-2 and excavate RU-2. Excavation activities for the interim measures were completed on May 9, 2025, when over excavation of the one remaining failed confirmation sample area was completed and clean confirmation sample results obtained. Stockpiled soil off-site disposal activities were completed on May 16, 2025. The *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* was submitted to EPD to document the completed interim measures corrective action on June 11, 2025. The report was then revised based on EPD comments and resubmitted on September 16, 2025. EPD subsequently approved the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* dated September 16, 2025.

As documented in the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units*, corrective action has been completed as soil impacted with the site-specific metals at concentrations above the soil standards and soil impacted with cyanide concentrations above the laboratory reporting limit, as demonstrated by confirmation samples, have been excavated and transported to the Republic Oak Grove Municipal Solid Waste Landfill under manifest as non-hazardous waste. Confirmation soil sample data documented that impacted soil was removed to below soil standards. Removal of the source material that included cyanide that mobilized the metals to leach to groundwater has eliminated additional leaching of metals and cyanide to groundwater and thus, likely will

prevent any impacted groundwater from migrating off site as the groundwater plume has only contained low concentrations of cyanide and metals and has been maintained on site at a minimum distance of over 200 feet from the downgradient property boundary. Remaining impacted groundwater is expected to dissipate to below groundwater standards on the York property.

A Uniform Environmental Covenant (UEC) will be placed on the property restricting groundwater use at the facility. Also, a Consent Order will be implemented to require groundwater monitoring to ensure that cyanide and metals above groundwater standards does not migrate off site (see Section 5.6).

1.1 REGULATORY BACKGROUND

Hazardous Waste Facility Permit HW-092(D) was initially issued to The York Group, Inc. for the York facility (Environmental Protection Agency [EPA] Identification Number GAD 003 265 030) on September 27, 1995. The Hazardous Waste Facility Permit was issued by EPD for post-closure care of two RCRA Units: the capped former Electroplating Unit (RU-1) and the capped former Evaporation Unit (RU-2). The regulated units are depicted in Figure 2. The RCRA units were capped and closed in place in September 1994 pursuant to the EPD-approved closure plan (AEM, 1994, revised).

During the fourth quarter of 1999, The York Group initiated an off-site post-closure groundwater interim corrective action at Area of Concern (AOC)-6 in accordance with the *Interim Corrective Action Plan for AOC-6* (AEM, 1999b, revised). A Class 3 permit modification (AEM, 2000) that incorporated the CAP for AOC-6 as well as minor changes to the RCRA Unit Monitoring System and Site Management Plan, was approved by EPD on October 13, 2000.

In December 2001, Matthews acquired The York Group. A revised RCRA Subtitle C Site Identification Form (EPA Form 8700-12) and Hazardous Waste Permit Application–Part A (AEM, 2004), which included updated ownership information for the York facility, were submitted to EPD in March 2004.

Matthews submitted the first of two 10-year RCRA Part B Permit Reapplications for post closure-care of the RUs and AOC-6 in 2005 (Rindt-McDuff, 2005). EPD issued a new Hazardous Waste Facility Permit HW-092(D) on November 4, 2005. Matthews submitted the second 10-year RCRA Part B Permit Reapplication for post closure care of the RUs and AOC-6 in 2015 that was then revised per EPD comments in 2016 (AEM, 2020). EPD issued a new Hazardous Waste Facility Permit HW-092(D) on September 2, 2016.

In August 2017, the metal fabricated buildings at the York facility, except for the northernmost section of Building No. 7, which housed the recovered groundwater cyanide treatment system, were demolished (see Figure 2). New sheet metal and a new door were installed along the southern side of Building No. 7 to enclose the building. The concrete foundations for the demolished buildings were left in place to maintain the integrity of the capped RUs and Point of Compliance (POC) monitoring wells.

In November 2019, Matthews submitted a Class 3 Permit Modification Request (AEM, 2019) to EPD to remove AOC-6 and SWMU-9 from the compliance monitoring and corrective action program as Matthews had demonstrated that groundwater remediation of the chlorinated solvent plume at AOC-6 had been achieved. On June 4, 2020, EPD issued modified Hazardous Waste Facility Permit HW-092(D) designating the corrective action at AOC-6 and SWMU-9 complete. As of June 2020, corrective action was ongoing at the two RUs at the York facility; the former Electroplating Unit (RU-1, SWMU-12) and former Evaporation Unit (RU-2, SWMU-14).

1.2 CORRECTIVE ACTION PROGRAM

In accordance with Hazardous Waste Facility Permit HW-092(D), corrective action was ongoing at the RUs, although the groundwater recovery and treatment system was shut off on December 4, 2024, to allow for implementation of the approved interim measures to clean close the RUs and drainage ditch. A groundwater pump-and-treat system operated at the facility and semiannual groundwater monitoring has been conducted since September 1996 to monitor cyanide and metals groundwater concentrations and evaluate the effectiveness of the corrective action.

The groundwater recovery and treatment system originally consisted of four recovery wells (RW-01, -02, -03, and -04) and was installed adjacent to, and immediately downgradient of, the former Evaporation Unit, which is upgradient of the former Electroplating Unit, to contain and recover cyanide and metals. The system became operational on March 27, 1996, and was shut off on December 4, 2024. A fifth groundwater recovery well, RW-05, was installed in November 2018 immediately downgradient of POC well MW-14 and downgradient of the former Electroplating Unit. Recovered groundwater was routed to the recovered groundwater cyanide treatment system located in Building No. 7. The treatment system effluent was discharged to the Gwinnett County publicly owned treatment works (POTW) in accordance with wastewater pretreatment discharge Permit No. 524 GW.

Cyanide, barium, chromium, cobalt, copper, lead, mercury, nickel, selenium, vanadium, and zinc have historically been detected in groundwater samples collected from the residuum aquifer zone. Cyanide, copper, nickel, and zinc continue to be sporadically reported in groundwater samples and cobalt continues to consistently be reported above Groundwater Protection Standards (GPSs) at the facility. Barium, chromium, lead, mercury, and selenium have not been reported above GPSs in groundwater samples for more than three years (2022, 2023, 2024, March and July 2025).

Cobalt was not used in historical operations or the manufacturing process at the facility. Two cobalt studies conducted at the facility have concluded that cobalt was leached from the residuum by cyanide waste from the RCRA Units (AEM, 2009 and 2012).

1.3 SITE DESCRIPTION

The York facility formerly manufactured hardware and fabric components for burial caskets. Currently there are no manufacturing operations at the facility. After manufacturing operations were shut down at the facility, it was used as a regional distribution center for finished caskets with two buildings used as warehouses. Warehouse operations included receipt of semitrailer deliveries, storage of casket inventory, and short-haul delivery of caskets to customers using a small fleet of delivery vans. Warehouse operations were ceased in 2016 and, as discussed above, the facility buildings were demolished except for the northernmost section of Building No. 7, which housed the recovered groundwater cyanide treatment system.

The street address of the York facility is as follows:
York Casket Hardware
506 Maltbie Street
Lawrenceville, Georgia 30046

The parent company of the Lawrenceville facility is located at the following address:
Matthews International Corporation
Two NorthShore Center
Pittsburgh, Pennsylvania 15222

The U.S. EPA Identification Number is listed below:
GAD 003 265 030

The York facility is owned and operated by Matthews headquartered in Pittsburgh, Pennsylvania. The facility was acquired by The York Group of Houston, Texas, in 1990. The site was first developed in 1965 when the manufacturing of casket hardware began under prior ownership (Piedmont Metals, Inc.). The facility and property were then acquired by Matthews in 2001 through the purchase of The York Group.

Previous operations at the facility included production of casket hardware and fabric liners for burial caskets. The major processes used in the manufacturing of casket hardware at the site included plastic extrusion, metal stamping, cold rolled steel forming, and slush casting. The finishing operations for the plastic and metal parts included phosphate priming, powder coating, and spray painting, or metal application through a vacuum metalizing process. The fabric operations included dyeing, cutting, embossing, monogramming, and sewing. In the first quarter of 1994, the facility downsized its operations. By March 1994 the facility had discontinued its vacuum metalizing, powder coating, and plastic extrusion operations.

Prior to January 1993, operations also included an electroplating process consisting of a pit/tank system, three electroplating dip tanks, and an acid and cyanide evaporation system. The electroplating process was used for copper, nickel, and zinc plating. This operation generated cyanide and acid waste streams. In the mid-1980s, the pit/tank system was constructed for use as a wastewater treatment process, and the treated wastewater was discharged to the POTW. Following problems with the pit/tank treatment process, the system was replaced with an acid and cyanide evaporation system in 1988. The pit/tank system remained as a primary staging point prior to pumping of the waste stream to the evaporation system. Per Consent Order number EPD-HW-677, the electroplating operation ceased, and closure of the electroplating units was initiated.

The initial closure action was conducted pursuant to the approved closure plan originally prepared by Central New York Industrial Services, Inc. This plan had anticipated a clean closure. However, the extent of soil impacts and the presence of groundwater impacts discovered during initial closure activities precluded clean closure from an economic and regulatory standpoint. Therefore, a revised closure plan was submitted to include closure in place.

During the initial closure action, all process apparatus were completely dismantled and disposed of in accordance with the requirements of 40 CFR 265. This material was sent to the off-site permitted GSX hazardous waste disposal facility in Pinewood, South Carolina. The final Closure and Closure Care Plans for the units were approved by EPD on August 12, 1994.

The impacted soil and groundwater investigation at the electroplating process focused on two areas that became identified as SWMU-12 (the Former Electroplating Unit located inside the northeast corner of Building No. 1) and SWMU-14 (the Former Evaporation Unit located behind Building No. 1). Both units were subsequently designated as RCRA RUs. The Former Electroplating Unit (SWMU-12) eventually

became a post-closed RCRA Regulated Hazardous Waste Management Unit (RCRA unit) referred to as RU-1, and the Former Evaporation Unit (SWMU-14) also became a post-closed RCRA Unit (RU-2).

Manufacturing and industrial operations at the facility have been discontinued and no hazardous waste is generated at the facility. In August 2017, the metal fabricated buildings on the former York property, except for the northernmost section of Building No. 7, which houses the recovered groundwater cyanide treatment system, were demolished (see Figure 2). The concrete foundations for the demolished buildings were left in place to maintain the integrity of the capped RUs and POC monitoring wells.

Gwinnett County provides water and sanitary sewer service to the facility. The City of Lawrenceville provides electrical service.

2.0 HYDROGEOLOGIC SETTING

The York facility lies within the Piedmont Physiographic Province of Georgia. The Piedmont consists of metamorphic and igneous crystalline bedrock overlain by a thin layer of residuum. At the York facility, the rocks of the Piedmont Province are a complex series of late Precambrian- and Paleozoic-age, regionally metamorphosed and deformed meta-sediments and meta-volcanics with subsequent igneous intrusions, including batholiths and dikes (Cressler et al., 1983).

2.1 GEOLOGY

The principal mapped lithologic unit underlying the York facility is the Wolf Creek Formation, a thinly laminated, fine-grained amphibolite interlayered with silvery gray biotite-muscovite schist and an undifferentiated graphitic, micaceous, feldspathic quartzite (McConnell and Abrams, 1984). The Wolf Creek Formation is structurally situated on the limb of an anticline. Fractures occur locally within the Wolf Creek Formation in the Lawrenceville area. Bedrock fractures are the primary pathway for groundwater flow to area wells (Higgins and Atkins, 1981). Lithologic samples collected during RCRA Facility Investigation (RFI) drilling and coring activities (AEM, 1997; 1999a) are similar in composition to those reported by McConnell and Abrams (1984).

The availability of groundwater near Lawrenceville is somewhat unique in that several bedrock wells in the area are among the highest-yielding wells in the North Georgia Piedmont (Chapman et al., 1999). The City of Lawrenceville has pumped test wells in the area at rates ranging from just over 200 to more than 600 gallons per minute (gpm).

2.2 AQUIFER SYSTEM

Three water-bearing zones, which constitute the uppermost aquifer, are monitored at the York facility: the residuum/shallow bedrock, the intermediate bedrock, and the deep bedrock. The partially weathered rock (PWR) zone is a transition zone between the residuum and shallow bedrock.

Wells in these zones monitor the lateral and vertical extent of impacted groundwater and the effectiveness of the ongoing corrective action. Monitoring well and recovery well locations are presented in Figure 2.

The water table occurs within the residuum water-bearing zone across most of the York facility. The residuum, derived from extensive weathering of the parent bedrock, consists primarily of sandy silt to silty sand with some clay. The residuum ranges in thickness from 0 feet within the creek bed on the Block–USA property south and adjacent to the York facility where bedrock outcrops, to approximately 74 feet along the eastern boundary of the York facility near former monitoring well MW-09. Historically, the thickness of the saturated residuum ranges from 0 feet, where the residuum is dry above the shallow bedrock to approximately 63 feet near former monitoring well MW-09.

The residuum water-bearing zone is recharged locally by precipitation that infiltrates through the shallow soil and/or residuum down to the water table. Groundwater movement within this zone is characterized as porous-type flow. Aquifer pumping tests conducted at the RUs indicate a relatively low hydraulic conductivity of around 0.1 foot/day for the residuum aquifer zone at this location (AEM, 1996). Prior to installing RW-05, cumulative well yields for RW-01 through RW-04 historically averaged less than 1 gpm.

However, during the reporting period from November 2019 through October 2020, the cumulative recovery well yields for RW-1 through RW-5 ranged from 2.1 to 3.4 gpm.

For descriptive purposes, the shallow bedrock water-bearing zone is defined as extending from the top of weathered bedrock to a depth of approximately 60 feet into bedrock. The intermediate bedrock water-bearing zone, which is defined as extending from the base of the shallow bedrock water-bearing zone to approximately 175 feet below land surface (bls), yields only moderate quantities of water (up to 15 gpm).

The deep bedrock water-bearing zone is defined as the fractured bedrock zone below a depth of 175 feet. As with the shallow and intermediate bedrock water-bearing zones, groundwater flow within the deep bedrock water-bearing zone is through interconnected, weathered fractures and is controlled by hydraulic gradients and by the shape, size, general trend, and degree of hydraulic interconnection of the fractures. Large stress-relief fractures, capable of yielding several hundred gpm, are sometimes encountered within this zone in the Lawrenceville area (Chapman et al., 1999). Fractures and significant well yields are not typically encountered in the deep bedrock aquifer zone below a depth of 600 feet in the greater Atlanta region (Cressler et al., 1983).

The interconnection of the bedrock fractures at the York facility was demonstrated during a pumping test conducted by the City of Lawrenceville in February 1999 and a subsequent step-drawdown pumping test performed by Atlanta Environmental Management, Inc., (AEM) for select AOC-6 recovery wells in 2000 (AEM, 2000). Up to 43 feet of drawdown was produced in deep bedrock wells at AOC-6 during a step-drawdown pumping test of City of Lawrenceville City Well 14FF50 located 1,200 feet east-southeast of the York facility in 1999. The pumping test had a maximum pumping rate of 600 gpm and demonstrated a direct hydraulic connection between the well being tested and the deep bedrock water-bearing zone wells at the York facility through the local bedrock fracture system. In 2008, a pumping test was conducted by the City of Lawrenceville for a deep bedrock well designated as 13FF12 located along Pike Boulevard (approximately 1,500 feet south of the York facility). Pumping from this city well had a noticeable effect on the recorded groundwater yields from recovery wells R-01 and R-02 (AOC-6 recovery wells) demonstrating both the interconnection of the bedrock fractures and the interconnection of the bedrock to the residuum in places (AEM, 2008).

2.3 GROUNDWATER FLOW

September 2024 and March 2025 groundwater elevation data for the residuum and bedrock water-bearing zones are summarized in Table 1 and depicted in a potentiometric diagram for the residuum water table (see Figures 3 and 4).

In September 2024, groundwater in the residuum migrated towards the south and southeast in the direction of small unnamed tributary of Redland Creek, except for the area near recovery wells RW-1, -2, -3, -4, and -5. Near the recovery wells groundwater migrated towards the recovery wells due to pumping of the wells that has generated cones of depression around the five pumping recovery wells (see Figure 3). This is consistent with historical groundwater flow at the facility.

In March 2025, groundwater in the residuum migrated towards the south and southeast in the direction of small unnamed tributary of Redland Creek. The groundwater recovery system was not operating in March 2025 so the cones of depression normally present around recovery wells RW-1, -2, -3, -4, and -5 were not present (see Figure 4). Also, MW-4, -6, -7R, -8, -9, -12, -13, -14, MWB-7, RW-01, -02, and -03

were abandoned on December 4, 2024, so the potentiometric surface was generated with a smaller set of water levels than in past years.

3.0 DISPOSITION OF SWMUs AND AOCs

EPD has designated 20 SWMUs and seven AOCs at the former York facility (see Appendix B). Two SWMUs, SWMU-12 and SWMU-14, are designated as RUs. SWMU-12, the former Electroplating Area, is a Hazardous Waste Management Unit (RU-1) because of waste closed in place as a landfill. SWMU-14, the former Evaporation Area, is also a Hazardous Waste Management Unit (RU-2) because of waste closed in place as a landfill.

The current disposition of the SUMUs and AOCs are summarized in Table 2. Descriptions of the SWMUs and AOCs as well as a summary of historical assessments and assessment data are provided in Appendix B. Except for SWMU-12, -14, and -15, the SWUMs and AOCs at the former York facility have No Further Action designations.

The former Electroplating and Evaporation Areas were closed in place and capped in 1994. The equipment and associated piping, tanks, sumps, and sludges were removed when the areas were closed. Because impacted soil and groundwater remained after the equipment and sludge were removed, the areas were closed as landfills and capped per post-closure care requirements of the RCRA regulations. A groundwater recovery and treatment system operated at the facility from March 1996 to December 2024.

Matthews completed the soil interim corrective action for clean closure of the RUs and SWMU-15 in accordance with the *Interim Measures Work Plan for Clean Closure of the Former Electroplating and Evaporation Units* dated November 13, 2024.

As documented in the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* (dated September 16, 2025), corrective action has been completed as soil impacted with the site-specific metals at concentrations above the soil standards and soil impacted with cyanide concentrations above the laboratory reporting limit, as demonstrated by confirmation samples, have been excavated and transported to the Republic Oak Grove Municipal Solid Waste Landfill under manifest as non-hazardous waste. Confirmation soil sample data documented that impacted soil was removed to below soil standards.

Groundwater impacts remain at low concentrations that are expected to remain on site and then dissipate to below groundwater standards on the York property. A UEC will be placed on the property restricting groundwater use at the facility. Also, a Consent Order will be implemented to require groundwater monitoring to ensure that cyanide and metals above groundwater standards does not migrate off site (see Section 5.6).

SWMUs-12, -14, and -15 have been designated as Corrective Action Completed because impacted soil has been removed at the SWMUs, although they are not designated as No Further Action required because continued monitoring is required for impacted groundwater as described in Section 5.6 (see Table 2). If groundwater meets groundwater standards at a future date, Mattews will request a No Further Action designation for SWMUs -12, -14, and -15.

4.0 SOIL INTERIM MEASURES CORRECTIVE ACTION

Matthews completed the soil interim corrective action for clean closure of the RUs and associated areas in accordance with the *Interim Measures Work Plan for Clean Closure of the Former Electroplating and Evaporation Units* dated November 13, 2024. The Work Plan was submitted as a Temporary Authorization Request dated November 13, 2024, that was approved by EPD in correspondence dated November 27, 2024 (see Appendix A).

Soil removal activities consisted of excavating soil impacted with site-specific metals at concentrations above the soil standards presented in Table 3 and by removing soil impacted with cyanide concentrations above the laboratory reporting limit. At the RUs, soil excavation proceeded vertically to the water table or bedrock and laterally until confirmation samples showed that metal concentrations were below soil standards and until cyanide concentrations were below the laboratory reporting limit. At the drainage ditch (SWMU-15), soil impacted with the site-specific metals at concentrations above the soil standards presented in Table 3 and soil impacted with cyanide concentrations above the laboratory reporting limit was removed vertically and laterally until confirmation samples showed that soil sample concentrations were below the soil standards for metals and below the laboratory reporting limit for cyanide.

Implementation of the soil interim measures began on December 30, 2024, when work began to remove the RCRA cap at RU-2 and excavate RU-2. Excavation activities for the interim measures were completed on May 9, 2025, when over excavation of the one remaining failed confirmation sample area was completed and clean confirmation sample results were obtained. Stockpiled soil off-site disposal activities were completed on May 16, 2025. The *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* was submitted to EPD to document the completed interim measures corrective action on June 11, 2025. The report was then revised based on EPD comments and resubmitted on September 16, 2025. EPD subsequently approved the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* dated September 16, 2025.

As documented in the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units*, corrective action has been completed as soil impacted with the site-specific metals at concentrations above soil standards and soil impacted with cyanide concentrations above the laboratory reporting limit, as demonstrated by confirmation samples, have been excavated and transported to the Republic Oak Grove Municipal Solid Waste Landfill under manifest as non-hazardous waste. Confirmation soil sample data documented that impacted soil was removed to below soil standards. Removal of the source material that included cyanide that mobilized the metals to leach to groundwater has eliminated additional leaching of metals and cyanide to groundwater and thus, likely will prevent any impacted groundwater from migrating off site as the groundwater plume has only contained low concentrations of cyanide and metals and has been maintained on site at a minimum distance of over 200 feet from the downgradient property boundary. Remaining impacted groundwater is expected to dissipate to below groundwater standards on the York property.

A UEC will be placed on the property restricting groundwater use at the facility. Also, a Consent Order will be implemented to require groundwater monitoring to ensure that cyanide and metals above groundwater standards does not migrate off site (see Section 5.6).

5.0 GROUNDWATER

In accordance with Hazardous Waste Facility Permit HW-092(D), corrective action was ongoing at the RUs, although the groundwater recovery and treatment system was shut off on December 4, 2024, to allow for implementation of the approved interim measures to clean close the RUs and drainage ditch. A groundwater pump-and-treat system operated at the facility and semiannual groundwater monitoring has been conducted since September 1996 to monitor cyanide and metals groundwater concentrations and evaluate the effectiveness of the corrective action.

The groundwater recovery and treatment system originally consisted of four recovery wells (RW-01, -02, -03, and -04) and was installed adjacent to, and immediately downgradient of, the former Evaporation Area, which is upgradient of the former Electroplating Area, to contain and recover cyanide and metals. The system became operational on March 27, 1996, and was shut off on December 4, 2024. A fifth groundwater recovery well, RW-05, was installed in November 2018 immediately downgradient of POC well MW-14 and downgradient of the former Electroplating Area. Recovered groundwater was routed to the recovered groundwater cyanide treatment system located in Building No. 7. The treatment system effluent was discharged to the Gwinnett County POTW in accordance with wastewater pretreatment discharge Permit No. 524 GW.

Since the soil excavation has been completed, no post-closure care requirements remain for the closed RUs and a request to terminate Hazardous Waste Facility Permit HW-092(D) is being made. The necessity for future groundwater monitoring will be addressed with a Consent Order and UEC once Hazardous Waste Facility Permit HW-092(D) is terminated.

5.1 REGULATORY MANAGMENT IMPLEMENTS

Matthews has met the requirements of 40 CFR 264.114 by excavating soil at RU-1, RU-2, and SWMU-15 impacted with site-specific metals and cyanide. Soil exceeding soil standards (specified in the November 15, 2024, *Interim Measures Work Plan for Clean Closure of the Former Electroplating and Evaporation Units*) were excavated to the water table or bedrock at the RUs, thus completely removing the RUs as documented in the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* submitted to EPD on September 16, 2025. The two RUs no longer exist; therefore, no post-closure requirements remain. A Class 3 Permit Modification was submitted to terminate Hazardous Waste Facility Permit HW-092(D) on May 15, 2025.

Once the Hazardous Waste Facility Permit is terminated, the remaining groundwater impacts will be regulated pursuant to a Consent Order and a UEC to restrict groundwater use at the facility.

5.1.1 Consent Order

Once the Hazardous Waste Facility Permit HW-092(D) is terminated, ongoing groundwater monitoring will be addressed with a Consent Order to ensure that impacted groundwater does not migrate off site. The groundwater monitoring program is described in Section 5.6 of this CAP.

5.1.2 Environmental Covenant

A UEC will be placed on the property restricting groundwater use at the facility. A draft UEC was approved by EPD on August 22, 2025. In accordance with O.C.G.A. § 44-16-1 et seq., the draft UEC was mailed to the adjacent property owners for public comment on August 25, 2025. Matthews signed the EPD

approved UEC on October 2, 2025, and submitted, via overnight Federal Express delivery, the original signed UEC to EPD for signature.

5.2 EXTENT OF GROUNDWATER IMPACTS-MARCH/SEPTEMBER 2024

In accordance with Hazardous Waste Facility Permit HW-092(D), the Groundwater Protection Standard (GPS) defines the groundwater standards for constituents of concern identified in groundwater at the facility and is presented in Table 4. In accordance with Hazardous Waste Facility Permit HW-092(D), the groundwater cleanup can be considered complete once cyanide and the 10 metals listed in the GPS are reported below the GPS for three consecutive years in groundwater samples collected from the facility. Barium, chromium, lead, mercury, and selenium have not been reported above the GPS during the last three years (2022, 2023, 2024, and March/July 2025).

Cyanide, cobalt, copper, and zinc have been reported above the GPS in groundwater samples during each of the past three years. Nickel has been reported above the GPS in groundwater samples during one (March and September 2022) of the last three years. Vanadium has been reported above the GPS in groundwater samples only once (October 2023) during the last three years.

Only cyanide and cobalt are reported in groundwater samples with sufficient consistency to define groundwater plumes. The lateral extent of the cyanide and cobalt groundwater plumes are presented in Figures 5 to 8. Cyanide and metals groundwater impacts have always been confined to the Matthews (York) property.

Hexavalent chromium groundwater samples are not routinely collected at the facility and hexavalent chromium has historically not been found in groundwater. Hexavalent chromium samples will be collected as part of the post-excavation groundwater sampling to evaluate hexavalent chromium groundwater concentrations.

Cyanide: Total and amenable cyanide were reported at or above the GPS of 0.010 milligram per liter (mg/L) or the laboratory reporting limit in groundwater samples collected during March/May 2024 (RW-02 and TW-16) but was not reported above the GPS in September 2024 (see Tables 5 and 6). During the last three years, cyanide was present in samples collected from monitoring well TW-16 during 2024, and recovery well RW-02 during 2022, 2023, and 2024. Monitoring well TW-16 is sidegradient to the west of RU-2, while recovery well RW-02 is downgradient of RU-2 and upgradient of RU-1. Cyanide reported in TW-16 in March 2024 appears to be an anomalous result as cyanided has not been reported above the laboratory reporting limit in groundwater samples collected from TW-16 for the last 28 years (see Appendix C).

The downgradient (lateral) extent of cyanide remains defined by the absence of cyanide in samples collected from recovery well RW-05 and monitoring wells MW-05, TW-13, and TW-14 downgradient of RU-1. The vertical extent of cyanide remains defined by the absence of cyanide in groundwater samples collected from bedrock well MWB-07. The cyanide plume is confined to the Matthews (York) property (see Tables 5 and 6, and Figures 5 and 6).

Cobalt: Cobalt was reported above the GPS of 0.0086 mg/L (laboratory reporting limit of 0.0100 mg/L) in groundwater samples collected from POC well MW-14, and recovery wells RW-02 and -05 during March/May 2024, and in POC well MW-14 and recovery well RW-02 in September 2024. During the last three years, cobalt was present in samples from recovery wells RW-02 and RW-05 during 2022, 2023, and

2024, recovery wells RW-01 and RW-03 during 2022, POC well MW-14 in 2023 and 2024. The POC wells are immediately downgradient of RU-1, recovery wells RW 01, -02, and -03 are downgradient of RU-2 and upgradient of RU-1, and recovery well RW-05 is downgradient of RU-1.

Cobalt has routinely been reported above the GPS in samples collected from recovery wells RW-01, -02, -03, and -05 producing a cobalt plume that sometimes extends from recovery wells RW-01, -02, and -03 to RW-05 and sometimes exists as two separate plume segments (see Figures 7 and 8). The downgradient (lateral) extent of cobalt remains defined by the absence of cobalt in samples collected from monitoring wells MW-05, TW-13, and TW-14 downgradient of RU-1. The vertical extent of cobalt remains defined by the absence of cobalt in groundwater samples collected from bedrock well MWB-07. The cobalt plume is confined to the Matthews (York) property (see Tables 5 and 6, and Figures 7 and 8)

Copper: Copper was reported above the GPS of 0.0071 mg/L (reporting limit of 0.0100 mg/L) in groundwater samples collected from recovery wells RW-02, -03, -04, and -05 during May 2024, and in recovery wells RW-01, -02, -03, and -05 during September 2024. During the last three years, copper was present in samples collected from recovery wells RW-02, -03, and -05 during 2022, 2023, and 2024, recovery well RW-04 during 2022 and 2024, recovery well RW-1 during 2024, and POC well MW-14 during 2023. The downgradient (lateral) extent of copper remains defined by the absence of copper in samples collected from monitoring wells MW-05, TW-13, and TW 14 downgradient of RU 1. The vertical extent of copper remains defined by the absence of copper in groundwater samples collected from bedrock well MWB-07.

Nickel: Nickel was not reported above the GPS of 0.0102 mg/L in any of the groundwater samples collected during March/May or September 2024. Nickel has been reported above the GPS only during 2022 over the last three years. During March 2022 nickel was reported above the GPS in groundwater samples collected from recovery well RW-01. During September 2022 nickel was reported above the GPS in groundwater samples collected from wells RW-02 and -04. The downgradient (lateral) extent of nickel remains defined by the absence of nickel in samples collected from monitoring wells MW-05, TW-13, and TW 14 downgradient of RU-1. The vertical extent of nickel remains defined by the absence of nickel in groundwater samples collected from bedrock well MWB-07.

Vanadium: Vanadium was not reported above the GPS of 0.011 mg/L in any of the groundwater samples collected during March/May 2024 or September 2024. Vanadium was reported above the GPS of 0.011 mg/L in monitoring well MW-14 during October 2023. As stated above, vanadium has been reported above the GPS in groundwater samples only once during the last three years. The downgradient (lateral) extent of vanadium remains defined by the absence of vanadium in samples collected from monitoring wells MW-05, TW-13, and TW 14 downgradient of RU-1. The vertical extent of vanadium remains defined by the absence of vanadium in groundwater samples collected from bedrock well MWB-07.

Zinc: Zinc was reported above the GPS of 0.032 mg/L in groundwater samples collected from recovery wells RW-03 and -04 during May, and in recovery wells RW-01, -02, -03, -04, and -05 during September 2024. During the last three years, zinc was present in samples collected from recovery wells RW-02, -03, -04, and -05 during 2022, 2023, and 2024, from recovery well RW-01 during 2024, and from POC wells MW-8 and -14 during 2023. The downgradient (lateral) extent of zinc remains defined by the absence of

zinc in samples collected from monitoring wells MW-05, TW-13, and TW-14 downgradient of RU-1. The vertical extent of zinc remains defined by the absence of zinc in groundwater samples collected from bedrock well MWB-07. Elevated zinc concentrations commonly occur within samples collected from the recovery wells and are attributed to the galvanized steel piping used in the recovery wells.

5.3 WELL ABANDONMENT/REPLACEMENT

Select groundwater monitoring and recovery wells located adjacent to the excavated areas were abandoned. Some of the monitoring wells were replaced post excavation to monitor and assess groundwater post excavation. The abandoned recovery wells may need to be replaced based on the future groundwater monitoring results observed post permit termination.

5.3.1 Well Abandonment

POC wells MW-4, -6, -7R, -12, -13, -14, and MWB-7, monitoring wells MW-8 and -9, as well as recovery wells RW 01, -02, and -03 were abandoned on December 4, 2024, prior to excavating soil in the RUs. MW-3D was abandoned on September 9, 2025, because it was damaged during excavation activites at the drainage ditch.

The wells were closed under the field supervision of Mr. Gerald Ingle, P.G. of American Environmental & Construction Services, Inc. (AECS), by Geo Lab Drilling, Inc. of Winder, Georgia. The wells were abandoned by first measuring the depth of each well. Groundwater recovery pumps and piping were removed from recovery wells RW-1, -2, and -3 prior to measuring the well depths and closing the recovery wells.

The wells were then pressure grouted from the bottom of each well to land surface with a Portland Type 1 cement and approximately 10-percent (by volume) high-grade bentonite grout that displaced the groundwater in the wells. The grout was pumped using a 1-1/4-inch diameter rubber hose as a tremie pipe that extended to the bottom of each well.

Metal stick-up protector covers, wells casings, well vaults and concrete well pads were left in place and filled with grout either flush with land surface or flush with the top of the protective cover in accordance with the approved interim measures work plan. These materials were removed during ongoing IMWP soil excavation activities. No soil cuttings were generated during the well abandonment effort. Well closure activities were documented in a well closure report submitted to EPD (AECS, 2025).

5.3.2 Well Replacement

5.3.2.1 Replaced Wells

Three new monitoring wells were installed to assess groundwater conditions in the residuum water-bearing zone after impacted soil from the two regulated units and drainage ditch was removed and disposed off site (see Figure 2). Monitoring well MW-15 was installed immediately downgradient of RW-3. Monitoring well MW-16 was installed immediately downgradient of RW-02. Monitoring well MW-17 was installed immediately downgradient of RW-01.

These three wells cover locations where recovery wells were abandoned that have historically contained impacted groundwater. Thus, these locations will assess groundwater conditions near and immediately downgradient of the closed regulated units.

On June 25 and 26, 2025, EM Services installed the three wells in the residuum using direct push drilling techniques (DPTs) to collect soil cuttings for lithologic description and then hollow stem auger (HSA) drilling techniques to install the monitoring wells. The wells were installed by completing DPT boreholes to total well depths and then drilling the boreholes to total depth using 8-inch-diameter HSAs. The wells were then completed by installing solid, flush threaded, 2-inch-diameter, polyvinyl chloride (PVC) riser pipes (casings), and 10 feet of flush threaded, 2-inch-diameter, PVC, 0.010-inch slot screens with 6-inch sumps into the boreholes through the augers. Sand filter packs were then installed from the bottom of the boreholes to approximately 2 feet above the top of the well screens using tremie pipes. Two-foot bentonite seals consisting of bentonite pellets were then installed through the inside of the augers using tremie pipes to ensure the bentonite pellets settled to the top of the filter pack. Following hydration of the bentonite seals, the remaining annuli were grouted with Portland Type I cement and approximately 10-percent (by volume) high-grade bentonite powder slurry from the bentonite caps to approximately 2 feet bls using tremie pipes. The wells were then completed with flush mounted well vaults. Well construction logs are presented in Appendix D. Construction details of each well are listed below:

- MW-15 was installed to a depth of 31 ft bls, with a screened interval from 20 to 30 ft bls. Well completion included a 2-foot by 2-foot by 6-inch concrete pad with an 8-inch diameter, locking steel vault.
- MW-16 was installed to a depth of 35 ft bls, with a screened interval from 25 to 35 ft bls. Well completion included a 2-foot by 2-foot by 6-inch concrete pad with an 8-inch diameter, locking steel vault.
- MW-17 was installed to a depth of 30 ft bls, with a screened interval from 20 to 30 ft bls. Well completion included a 2-foot by 2-foot by 6-inch concrete pad with an 8-inch diameter, locking steel vault.

The grouted monitoring wells were allowed to set for a minimum of 24 hours before being developed by EM Services. The wells were developed by pumping the wells using a 12-volt submersible pump until no visible suspended sediment was observed in the recovered groundwater.

Investigation-derived wastes (IDW; soil cuttings, well development groundwater, and decon water) were contained in 55-gallon steel drums and labeled pending waste characterization and proper disposal.

A replacement well was not installed into the bedrock water-bearing zone as no groundwater impacts have been identified in bedrock at the facility.

5.3.2.2 Well Installation Procedures

The installation of permanent monitoring and recovery wells will be performed in accordance with EPA Region IV Laboratory Services and Applied Science Division (LSASD) guidelines in place at the time the wells are installed, specifically SESDGUID-101-R2, *Design and Installation of Monitoring Wells,* dated January 16, 2018. Newly installed wells will be surveyed for vertical elevation relative to onsite wells to allow for groundwater elevations to be determined.

Probable well installation procedures to be used are summarized below. Any deviations from the procedures described below will by be made as necessary based on field conditions and will be in compliance with SESDGUID-101-R2, *Design and Installation of Monitoring Wells,* dated January 16, 2018.

Drilling Methods

Borings within the residuum may be drilled using 4.25-inch–inside-diameter (ID) HSAs or Sonic drilling techniques to typical depths of approximately 10 feet below the water table (if possible) or to refusal. Boreholes will typically be 4.25- or 8.5-inch–ID. Split-spoon samples (collected at 5-feet intervals) or continuously sampled DPT sample sleeves may be utilized during drilling efforts to characterize the lithology in the residuum. Larger (8.25-inch-ID) HSAs will be used to install the 4-inch-diameter recovery wells (to top of bedrock or into PWR).

Air rotary drilling will be used to advance deeper borings into the underlying crystalline bedrock, if required in the future. To prevent interconnection and cross-contamination between groundwater in the residuum and bedrock, 6-inch-ID PVC surface (conductor) casings will be installed 10 to 20 feet into competent bedrock for bedrock wells. Grouted surface casings will be allowed to set for a minimum of 24 hours (curing period) before bedrock air-rotary drilling resumes and boreholes are advanced into the bedrock.

A low-volume, 8-, 10-, or 12-inch-diameter air hammer will typically be used to advance boreholes for the installation of the surface casings. A smaller-diameter (4- to 6-inch) air hammer will subsequently be used to advance bedrock boreholes through conductor casings to the desired termination depth.

IDW including wastewater and drill cuttings (soil and rock) will be contained on site and stored in drums or roll offs pending analysis to allow for proper disposal of these materials off site. Wastewater (decontamination, development, and purge water) will be contained and discharged to the appropriate on-site groundwater treatment system if it is restarted or properly disposed off site.

Well Construction Specifications

A summary of the construction details to be used are as follows:

Well Screen: For the typical residuum monitoring well, 5- or 10-foot sections (lengths) of threaded 2-inch-ID schedule 40 PVC (0.010-inch slotted) screen will be installed into the water table or at the base of the residuum (auger refusal). The same well material (slotted screen) will be used for the installation of bedrock wells not completed as open-bedrock wells. For the residuum recovery wells, threaded 4-inch schedule 40 PVC, 0.010-inch slotted screen, 15 or 20 feet in length, will be installed to the top of the bedrock surface (refusal) or into the PWR.

Well Casing: Sufficient sections of 2- or 4-inch schedule 40 PVC flush threaded riser pipe will be added to the screen until the riser pipe extended to or above land surface.

Filter Pack: For residuum and bedrock wells, the filter pack will be placed by the tremie method from a minimum depth of approximately 6 inches below the bottom of the well screen to an approximate depth of 2 feet above the top of the well screen. The filter pack will consist of clean, graded, appropriately sized silica sand.

Bentonite Seal: Approximately 2 feet of high-grade bentonite chips will be tremied (if possible) or poured and tamped (with tremie pipe) for permanent residuum and screened bedrock wells.

Grout: Portland I cement plus 5-percent bentonite grout (slurry) will be tremied (pumped) from the top of the bentonite seal to within 2 feet of land surface for permanent residuum and bedrock wells.

Concrete Pad: The upper 2 feet of annular space will be sealed with concrete, and a concrete surface pad (approximately 2 feet x 2 feet x 4 inches) will be installed around each permanent residuum and bedrock well.

Protective Cover: For permanent residuum and bedrock wells, approximately 6- to 12-inch-diameter flush mounted protective covers or 4-inch x 4-inch x 5-foot metal (galvanized steel) protective covers will be installed over the riser pipe (well casing) at the same time the concrete pads are poured. Locks will be installed to secure protective covers or expandable well caps to prevent unauthorized access to the wells.

Markings: Monitoring wells will be properly marked for identification.

Conductor (Surface) Casing: The outer surface casings will typically consist of 6-inch schedule 40 threaded PVC pipe. The casing will be placed through the open borehole to a depth of between 8 and 20 feet into competent rock to isolate groundwater in the residuum from the bedrock. The annular space between the borehole and the conductor casing will be grouted using the tremie (pumped) method with a Portland I cement plus 5-percent bentonite grout.

5.4 GROUNDWATER RECOVERY SYSTEM

In accordance with Hazardous Waste Facility Permit HW-092(D), corrective action was ongoing at the RUs, although the groundwater recovery and treatment system was shut off on December 4, 2024, to allow for implementation of the approved interim measures to clean close the RUs and drainage ditch. A groundwater pump-and-treat system operated at the facility and semiannual groundwater monitoring has been conducted since September 1996 to monitor cyanide and metals groundwater concentrations and evaluate the effectiveness of the corrective action.

The groundwater recovery and treatment system originally consisted of four recovery wells (RW-01, -02, -03, and -04) and was installed adjacent to, and immediately downgradient of, the former Evaporation Unit, which is upgradient of the former Electroplating Unit, to contain and recover cyanide and metals. The system became operational on March 27, 1996, and was shut off on December 4, 2024. A fifth groundwater recovery well, RW-05, was installed in November 2018 immediately downgradient of POC well MW-14 and downgradient of the former Electroplating Unit. Recovered groundwater was routed to the groundwater cyanide treatment system located in Building No. 7. The treatment system effluent was discharged to the Gwinnett County POTW in accordance with wastewater pretreatment discharge Permit No. 524 GW.

RW-01, -02, and -03 were abandoned prior to excavating soil beneath the RUs. The groundwater recovery and treatment system remains housed inside Building 7. The recovery well downhole piping and pumps were removed when recovery wells RW-01, -02, and -03 were abandoned. Also, the external system piping was removed during soil excavation.

As documented in the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* (September 16, 2025), corrective action has been completed at the RUs and drainage ditch as soil impacted with the site-specific metals at concentrations above the soil standards and soil impacted with cyanide concentrations above the laboratory reporting limit, as demonstrated by confirmation samples, have been excavated and transported to the Republic Oak Grove Municipal Solid Waste Landfill under manifest as non-hazardous waste. Confirmation soil sample data documented that impacted soil was removed to below soil standards. Removal of the source material that included cyanide

that mobilized the metals to leach to groundwater has eliminated additional leaching of metals and cyanide to groundwater and thus, likely will prevent any impacted groundwater from migrating off site as the groundwater plume has only contained low concentrations of cyanide and metals and has been maintained on site at a minimum distance of over 200 feet from the downgradient property boundary. Therefore, it is not anticipated that the groundwater recovery system will be restarted as impacted groundwater is restricted to the former facility property.

5.5 GROUNDWATER STANDARDS

Once the Facility Hazardous Waste Permit is terminated, groundwater will need to be reevaluated against groundwater standards to determine if groundwater impacts remain (see Table 7). Proposed groundwater standards are presented in Table 7. The standard for cyanide is the Federal Maximum Contaminant Level (MCL), for copper and lead are the treatment technique (TT) action levels, and for hexavalent chromium, nickel, and zinc are the Risk Assessment Guidance for Superfund (RAGS) calculated residential standards (see Appendix E). The proposed standards for cobalt and vanadium are the background concentrations (see Appendix F).

Review of historical groundwater sample data against the groundwater standards indicates the additional groundwater cleanup will not be warranted after the RUs have been closed, although there is currently no groundwater hexavalent groundwater data. Once the Hazardous Waste Facility Permit is terminated, the remaining groundwater impacts will be regulated pursuant to a Consent Order and a UEC to restrict groundwater use at the facility.

5.6 GROUNDWATER MONITORING

Once the Hazardous Waste Facility Permit HW-092(D) is terminated, ongoing groundwater monitoring will be addressed with a Consent Order. Groundwater samples will be collected from 13 wells as listed in Table 8. Groundwater samples will be collected under the oversight of a Georgia-licensed Professional Geologist as discussed in Section 5.7 below. The groundwater samples will be submitted to a Georgia approved laboratory for analysis.

The groundwater monitoring program is for semiannual monitoring for a minimum of five years as specified in Table 8. As noted in Item 3 listed on Page 3 of the Consent Order, the “monitoring period and other groundwater requirements may be modified pursuant to a petition approved by the Director.”

The downgradient extent of cyanide and metals in groundwater has been recovery well RW-5 for many years and cyanide and metals have not been reported in groundwater samples collected from the bedrock water bearing zone (see Section 5.2 above). If cyanide and/or metals are reported in groundwater samples collected from MW-05 approximately 80 feet downgradient of RW-05, then recommendations will be made to EPD regarding evaluating additional corrective action to prevent impacted groundwater from migrating further down gradient. This will be based on rate of contaminant migration and sample concentrations versus groundwater standards. If cyanide and/or metals are reported in monitoring wells TW-15, TW-14, or TW-13 further downgradient of MW-05, then Mattews will provide plans to EPD for additional corrective action to prevent dissolved-phase cyanide and/or metals from migrating off the York property (see Figure 1).

Based on the low groundwater cyanide and metals concentrations observed historically at York prior to completing the soil corrective action it is not expected that cyanide and/or metals will migrate

downgradient of RW-05 approximately 240 feet to the property boundary. Downgradient of the York property is an industrial area. Gwinnett County provides water to the area and Thomas Concrete has a bedrock production well for process water used to make concrete. Cyanide and metals have not historically been reported in groundwater samples collected from the bedrock water-bearing zone. The closest surface water body, Redland Creek, is approximately 800 feet downgradient of the York property.

5.7 GROUNDWATER SAMPLING AND ANALYSIS PLAN

Proposed sampling procedures and analytical test methods for groundwater samples are discussed in this section.

5.7.1 Groundwater Sampling

Sampling procedures will be performed in accordance with Region 4 LSASD guidance documents and procedures. Specifically, water level measurements will be collected in accordance with LSASD Field Services Branch (FSB) Procedure FSBPROC-105-R6—*Groundwater Level and Well Depth Measurements*, dated April 17, 2025 (revised), and groundwater samples will be collected in accordance with LSASD Procedure LSASDPROC-301-R7—*Groundwater Sampling*, dated March 20, 2025 (revised). Sampling activities will be performed using Level D personal protection equipment. Sample personnel will have completed the 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) and 8-hour HAZWOPER refresher training in compliance with U.S. Occupational Safety and Health Administration (OSHA) regulations.

As part of the proposed groundwater monitoring program, the following preliminary tasks will be completed at each well location:

- Cover work area with new polyethylene sheeting.
- Change gloves (latex and/or nitrile) between sample locations.
- Remove well caps and allow wells to vent. If under pressure, allow static water levels to stabilize. Record condition of well vaults in bound field notebooks.
- Measure depth to the water table or potentiometric surface as well as total well depth, from the top of well casing, using a clean electronic water level indicator accurate to 0.01 foot. The depth to the static water level will be subtracted from the total well depth to determine the length of the water column in the well. Based on the diameter of the well (1 to 6 inches), the well volume will be calculated. When possible, static water level measurements will be conducted in sequence from the least contaminated to the most contaminated well, based on the available data.
- Groundwater quality meters will be field calibrated on a daily basis in accordance with the manufacturer's specifications.

Groundwater samples may be collected using either the low-flow method or multi-volume purge method based on sampling preference or whether the well can produce sufficient groundwater recharge to conduct low-flow sampling. Proposed groundwater purging activities will be as follows.

5.7.1.1 Low-Flow Sampling

When using low-flow purge and sampling techniques, residuum and shallow bedrock wells will be purged with an adjustable-speed peristaltic pump attached to a sufficient length of dedicated Teflon®-lined tubing. As part of the peristaltic pump assembly, 5 to 6 inches of dedicated silicon tubing will be inserted

into the pump-head. The Teflon tubing intake will be placed approximately in the middle of the well screen and pumping rates adjusted to allow water levels in the well to stabilize while the well is purged and sampled.

At a minimum, groundwater quality parameters and depth-to-water measurements will be measured every 15 minutes or approximately every one liter of groundwater purged from the well. Purging will be considered complete when groundwater quality parameters (pH, conductivity, and turbidity) and the depth-to-water measurements have stabilized. Groundwater parameter stabilization will be demonstrated when (1) the last three recorded pH measurements are within 0.1 Standard pH Unit, (2) the last three recorded specific conductivity readings are within 5-percent of each other, (3) turbidity is below 10 nephelometric turbidity units (NTUs) or stabilized, and (4) depth-to-water measurements are equal over the last two measurements. The electronic meters utilized to measure groundwater pH, conductivity, and turbidity will be field calibrated and recorded in field books daily in accordance with the manufacturer's recommendations.

5.7.1.2 Multi-Volume Purge Sampling

When using multi-volume purge and sampling techniques, residuum and shallow bedrock wells will be purged with an adjustable-speed peristaltic pump attached to a sufficient length of dedicated Teflon-lined tubing or with a submersible pump. As part of the peristaltic pump assembly, 5 to 6 inches of dedicated silicon tubing will be inserted into the pump-head. The tubing intake will be placed within a few feet of the static water level and lowered if needed due to dropping head. Pumping rates will be adjusted to minimize sample turbidity. The residuum recovery wells will be purged if the groundwater recovery system is shut off and will not be purged when the pumps are operating and pumping continuously.

Bedrock wells, not containing permanent in-place pumps, will be purged with an adjustable speed, submersible stainless-steel pump (Grundfos Ready-Flo® pump, GeoPump, etc.). A sufficient length of new polyethylene or Teflon-lined polyethylene tubing will be attached to the clean pump. A peristaltic pump may be used when water levels are sufficiently high to allow a peristaltic pump to recover groundwater from the well.

The submersible pump will be positioned just below (within 5 feet) of the top of the water column. If needed, the pump will be lowered in response to dropping head in the wells being pumped. Sampling equipment decontamination procedures are discussed in Section 5.7.2.

Wells will be purged until a minimum of three standing well volumes are removed and the recorded groundwater quality parameters (pH, conductivity, and turbidity) stabilize or until the well is purged dry. Groundwater parameters will be recorded in groundwater sample field logs as well as bound field notebooks. Impacted purge water, as well as decontamination wastewater, will be containerized for discharge to the appropriate on-site groundwater remediation system or disposed of off site.

At a minimum, groundwater quality parameters will be measured following the removal of each well volume. Groundwater parameter stabilization will be demonstrated when (1) the last three recorded pH measurements are within 0.1 Standard pH Unit, (2) the last three recorded specific conductivity readings are within 5-percent of each other, and (3) turbidity is below 10 NTUs or stabilized. A single set of groundwater parameters will be collected from the active groundwater recovery wells when they are continuously pumping. The electronic meters utilized to measure groundwater pH, conductivity, and

turbidity will be field calibrated and recorded in field books daily in accordance with the manufacturer's recommendations.

5.7.1.3 Groundwater Sampling

When purged wells have sufficiently recovered, groundwater samples will be collected. Groundwater inorganic parameter samples will be collected directly from the tubing used to purge the wells and placed in pre-preserves sample containers supplied by the analytical laboratory. Groundwater volatile organic compound (VOC) samples will be collected directly from the tubing used to purge the wells when submersible pumps are used to purge and sample the wells. Groundwater VOC samples will be collected directly from the tubing used to purge the wells using the "reverse pump" sampling method when peristaltic pumps are used to purge and sample the wells. The "reverse pump" sampling method is used so the sample water will not contact the silicon tubing at the peristaltic pump head when sampling with peristaltic pumps. To collect a sample using the "reverse pump" method, the peristaltic pump will be run to allow the tubing to fill with water to the height of the pump head. The tubing will then be retrieved from the well and the pump direction will be reversed to very slowly discharge the groundwater from the tubing directly into the sample container. Care will be taken to not collect groundwater that contacts the flexible pump head silicon tubing.

The sample containers will be labeled and placed in an iced container for storage to maintain a 4-degrees Centigrade temperature. When possible, well purging and sampling will be conducted in sequence from the least contaminated well to the most contaminated well, based on the available site data.

The filled sample bottles will be sealed and stored in iced coolers in a manner designed to prevent cross-contamination between different samples. Groundwater samples will be submitted, along with quality control samples (trip blanks, equipment rinsate blanks, duplicate samples), to an EPA-certified laboratory. Sample information will be entered on chain-of-custody forms, and the samples and chain-of-custody forms will be placed in iced coolers for transport or shipment to the laboratory.

Chain-of-custody procedures will follow accepted EPA guidelines in place at the time the samples were collected. The chain-of-custody forms record and document all times and changes of possession of the samples. The chain-of-custody form records the following:

- Project name
- Sample number
- Name(s) and signatures of sampling personnel and field supervisor
- The sampling location(s), date, and collection time
- Type of sample (grab/composite)
- Container type
- Sample media
- The number of containers for a given sample

Copies of chain-of-custody forms will be maintained by the field personnel in files. The original chain-of-custody will be attached to the storage containers and delivered to the analytical laboratory.

5.7.2 Decontamination

Sample equipment decontamination procedures will follow guidelines outlined in the current version of the EPA Region IV LSASD Operating Procedure LSASDPROC-205-R4, *Field Equipment Cleaning and Decontamination* dated June 22, 2020.

Non-dedicated sampling equipment, including static water level meters (probes) and submersible stainless-steel pumps (Grundfos pumps), will be decontaminated before being used and between each well location. The decontamination procedures are as follows:

- Non-phosphate detergent and tap water wash
- Tap water rinse
- Deionized or distilled water rinse
- Air dry period
- Wrap in plastic or aluminum foil

5.7.3 Sample Analysis

The approved laboratory will perform procedures according to U.S. EPA SW-846. The laboratory will analyze groundwater and quality control samples for the following constituents as required when sampled:

- Total and amenable cyanide using SW 846 Method 9014
- Hexavalent chromium using SW 846 Method 7196
- Metals using SW 846 Method 6010 or 6020 (cobalt, copper, lead, nickel, vanadium, and zinc)

5.7.4 Quality Assurance/Quality Control Program

The quality assurance/quality control (QA/QC) program ensures that data, information, and resulting decisions concerning future actions are technically sound, statistically valid, and properly documented. Precision, accuracy, and completeness of the data are imperative to establish a baseline groundwater contaminant profile, monitor the presence and extent of hazardous constituents in groundwater (plume delineation), define the direction of groundwater flow, and determine, if needed, the locations of future monitoring wells.

Sampling personnel will be thoroughly trained and will be familiar with the sampling procedures, health and safety requirements, and QA/QC requirements before participating in the project.

5.7.4.1 Field QA/QC

Field sampling will be conducted in a manner that ensures the representativeness, validity, and reliability of samples from the water-bearing zones under investigation. Sampling personnel will conduct field activities in a manner that prevents contamination of samples and cross-contamination between samples. Elements of an effective sampling QA/QC program include proper labeling, handling, sealing, packaging, and shipping of samples.

Information obtained in the field will be logged in bound, non-perforated field notebooks. The data will be entered in a complete, objective, and cogent manner. Any errors will be struck with a single line and initialed. Any deviations from the approved methodology will be documented in the logbook.

Documentation includes equipment calibration; date, time, and location of activity; equipment used; personnel present; and weather conditions. Sampling data includes sample preservatives, sampling sequence, instrument readings, and, if applicable, deviation from approved procedures.

Equipment rinsate blanks will be collected from non-dedicated stainless-steel pumps to assess the effectiveness of decontamination procedures. The procedures involve pouring (and subsequently collecting) laboratory-grade deionized water over pre-cleaned equipment. Equipment rinsate blanks will be collected in pre-preserved sample containers for one or more of the following constituents: total and amenable cyanide (EPA Method 9014), and total cobalt (EPA Method 6010 or 6020).

5.7.4.2 Laboratory QA/QC

The analytical laboratory selected will test groundwater samples, as well as QA/QC samples (method blanks, method spikes/method spike duplicates, sample duplicates, and surrogates, if applicable), according to U.S. EPA–approved procedures described in U.S. EPA SW 846. A Level II QA/QC package will be requested from the laboratory. The analyses will be conducted in a manner that ensures that data and resulting decisions are technically sound, reliable, statistically valid, reproducible, and properly documented. The laboratory QA/QC programs included analysis for precision, accuracy, completeness, and comparability, as specified by EPA.

6.0 SCHEDULE

The proposed schedule for conducting corrective action is included in Table 9.

7.0 FINANCIAL ASSURANCE

Financial assurance is currently maintained in accordance the Hazardous Waste Facility Permit HW-092(D). Estimated financial assurance costs for tasks presented in this CAP that remain to be completed and for tasks to be completed under the Consent Order are presented in Table 10.

8.0 REFERENCES

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Tables

Table 1. Groundwater Elevation Data, 2020-2025
Former York Casket Hardware Facility, Lawrenceville, Georgia

Observation Well:	**MW-02**		**MW-03**		**MW-03D**		**MW-04**		**MW-05**		**MW-06**		**MW-07R**	
Installation Date:	--		--		--		--		--		--		--	
Monitored Zone:	Upper Residuum		Upper Residuum		Deep Residuum		Upper Residuum		Upper Residuum		Upper Residuum		Upper Residuum	
Elevation, ft. AMSL[1]:														
Measuring Point	1,045.69		1,040.53		1,041.61		1,040.43		1,034.60		1,042.72		1,043.98	
WP/LS	--		--		--		--		--		--		--	
Date	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL
03/18/20	18.78	**1026.91**	13.71	**1026.82**	14.42	**1027.19**	15.26	**1025.17**	17.25	**1017.35**	16.36	**1026.36**	17.59	**1026.39**
09/08/20	21.74	**1023.95**	16.90	**1023.63**	17.73	**1023.88**	18.15	**1022.28**	19.99	**1014.61**	19.57	**1023.15**	20.76	**1023.22**
03/22/21	19.90	**1025.79**	15.51	**1025.02**	16.13	**1025.48**	18.20	**1022.23**	19.23	**1015.37**	19.03	**1023.69**	20.24	**1023.74**
09/13/21	22.34	**1023.35**	18.76	**1021.77**	18.02	**1023.59**	19.33	**1021.10**	20.91	**1013.69**	20.84	**1021.88**	22.02	**1021.96**
03/21/22	21.75	**1023.94**	17.02	**1023.51**	15.85	**1025.76**	19.00	**1021.43**	20.41	**1014.19**	20.52	**1022.20**	21.67	**1022.31**
09/06/22	23.94	**1021.75**	19.37	**1021.16**	19.48	**1022.13**	19.68	**1020.75**	22.33	**1012.27**	22.06	**1020.66**	23.30	**1020.68**
03/06/23	22.30	**1023.39**	17.70	**1022.83**	18.42	**1023.19**	18.03	**1022.40**	20.35	**1014.25**	20.96	**1021.76**	22.19	**1021.79**
09/22/23	23.51	**1022.18**	19.12	**1021.41**	17.60	**1024.01**	20.25	**1020.18**	21.87	**1012.73**	21.65	**1021.07**	22.88	**1021.10**
03/04/24	22.87	**1022.82**	17.66	**1022.87**	18.72	**1022.89**	18.42	**1022.01**	21.27	**1013.33**	20.28	**1022.44**	21.31	**1022.67**
09/09/24	25.17	**1020.52**	>19.95	**Dry**	21.25	**1020.36**	21.86	**1018.57**	22.95	**1011.65**	23.69	**1019.03**	24.90	**1019.08**
03/03/25	22.92	**1022.77**	17.61	**1022.92**	Damaged	Damaged	Abandoned	Abandoned	21.63	**1012.97**	Abandoned	Abandoned	Abandoned	Abandoned

Notes on last page of table.

Table 1. Groundwater Elevation Data, 2020-2025
Former York Casket Hardware Facility, Lawrenceville, Georgia

Observation Well:	**MWB-07**		**MW-08**		**MW-09**		**MW-10**		**MW-11**		**MWB-11**		**MW-12**	
Installation Date:	--		--		--		--		--		--		--	
Monitored Zone:	Intermediate Bedrock		Upper Residuum		Upper Residuum		Upper Residuum		Intermediate Bedrock		Water Table		Upper Residuum	
Elevation, ft. AMSL[1]:														
Measuring Point	1,043.35		1,041.88		1,035.70		1,044.47		1,045.60		1,046.43		1,041.07	
WP/LS	--		--		--		--		--		--		--	
Date	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL
03/18/20	32.25	**1011.10**	16.25	**1025.63**	10.41	**1025.29**	16.94	**1027.53**	13.99	**1031.61**	18.82	**1027.61**	14.50	**1026.57**
09/08/20	32.19	**1011.16**	19.29	**1022.59**	13.90	**1021.80**	19.85	**1024.62**	18.11	**1027.49**	19.83	**1026.60**	17.30	**1023.77**
03/22/21	30.93	**1012.42**	18.34	**1023.54**	11.61	**1024.09**	18.02	**1026.45**	15.52	**1030.08**	18.89	**1027.54**	17.00	**1024.07**
09/13/21	31.76	**1011.59**	20.57	**1021.31**	14.82	**1020.88**	20.40	**1024.07**	18.71	**1026.89**	20.08	**1026.35**	18.71	**1022.36**
03/21/22	30.64	**1012.71**	19.92	**1021.96**	12.40	**1023.30**	20.33	**1024.14**	16.39	**1029.21**	18.78	**1027.65**	18.41	**1022.66**
09/06/22	32.10	**1011.25**	21.60	**1020.28**	16.08	**1019.62**	21.55	**1022.92**	20.25	**1025.35**	20.90	**1025.53**	19.59	**1021.48**
03/06/23	30.83	**1012.52**	20.70	**1021.18**	13.15	**1022.55**	21.10	**1023.37**	17.10	**1028.50**	19.60	**1026.83**	18.25	**1022.82**
09/22/23	31.66	**1011.69**	21.46	**1020.42**	15.99	**1019.71**	21.53	**1022.94**	20.01	**1025.59**	20.30	**1026.13**	19.35	**1021.72**
03/04/24	30.81	**1012.54**	19.45	**1022.43**	13.60	**1022.10**	>22.50	**Dry**	18.05	**1027.55**	19.60	**1026.83**	17.66	**1023.41**
09/09/24	32.64	**1010.71**	23.41	**1018.47**	17.86	**1017.84**	21.73	**1022.74**	21.60	**1024.00**	22.06	**1024.37**	21.39	**1019.68**
03/03/25	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	>22.60	**Dry**	18.51	**1027.09**	20.35	**1026.08**	Abandoned	Abandoned

Notes on last page of table.

Table 1. Groundwater Elevation Data, 2020-2025
Former York Casket Hardware Facility, Lawrenceville, Georgia

Observation Well:	**MW-13**		**MW-14**		**RW-01**		**RW-02**		**RW-03**		**RW-04**		**RW-05**	
Installation Date:	--		--		--		--		--		--		--	
Monitored Zone:	Upper Residuum		Upper Residuum		Deep Residuum		Deep Residuum		Deep Residuum		Deep Residuum		Deep Residuum	
Elevation, ft. AMSL[1]:														
Measuring Point	1,041.22		1,041.00		1,042.01		1,042.21		1,040.59		1,040.28		1,040.13	
WP/LS	--		--		--		--		--		--		--	
Date	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water[2], feet	Ground-Water Elevation, ft. AMSL	Depth to Water[2], feet	Ground-Water Elevation, ft. AMSL	Depth to Water[2], feet	Ground-Water Elevation, ft. AMSL	Depth to Water[2], feet	Ground-Water Elevation, ft. AMSL	Depth to Water[2], feet	Ground-Water Elevation, ft. AMSL
03/18/20	12.53	**1028.69**	17.39	**1023.61**	31.16	**1010.85**	38.09	**1004.12**	38.50	**1002.09**	33.52	**1006.76**	25.28	**1014.85**
09/08/20	17.05	**1024.17**	20.42	**1020.58**	45.69	**996.32**	38.44	**1003.77**	38.52	**1002.07**	33.61	**1006.67**	26.61	**1013.52**
03/22/21	17.58	**1023.64**	20.23	**1020.77**	47.60	**994.41**	38.38	**1003.83**	38.29	**1002.30**	33.58	**1006.70**	26.33	**1013.80**
09/13/21	19.00	**1022.22**	21.23	**1019.77**	47.79	**994.22**	38.32	**1003.89**	37.49	**1003.10**	33.53	**1006.75**	26.68	**1013.45**
03/21/22	19.10	**1022.12**	19.29	**1021.71**	47.75	**994.26**	38.40	**1003.81**	38.55	**1002.04**	33.60	**1006.68**	26.60	**1013.53**
09/06/22	20.09	**1021.13**	20.32	**1020.68**	46.80	**995.21**	38.30	**1003.91**	39.51	**1001.08**	34.28	**1006.00**	28.65	**1011.48**
03/06/23	18.60	**1022.62**	18.99	**1022.01**	47.40	**994.61**	33.15	**1009.06**	18.18	**1022.41**	33.40	**1006.88**	18.02	**1022.11**
09/22/23	19.98	**1021.24**	21.86	**1019.14**	47.86	**994.15**	38.59	**1003.62**	18.99	**1021.60**	33.59	**1006.69**	26.65	**1013.48**
03/04/24	18.50	**1022.72**	19.01	**1021.99**	19.11	**1022.90**	19.65	**1022.56**	18.00	**1022.59**	18.31	**1021.97**	18.44	**1021.69**
09/09/24	21.71	**1019.51**	23.09	**1017.91**	47.89	**994.12**	38.59	**1003.62**	20.81	**1019.78**	33.68	**1006.60**	26.68	**1013.45**
03/03/25	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	20.97	**1019.31**	18.84	**1021.29**

Notes on last page of table.

Table 1. Groundwater Elevation Data, 2020-2025
Former York Casket Hardware Facility, Lawrenceville, Georgia

Observation Well:	**TW-12**		**TW-13**		**TW-14**		**TW-15**		**TW-15D**		**TW-16**	
Installation Date:	--		--		--		--		--		--	
Monitored Zone:	Upper Residuum		Upper Residuum		Upper Residuum		Upper Residuum		Deep Residuum		Deep Residuum	
Elevation, ft. AMSL[1]:												
Measuring Point	1,024.62		1,026.60		1,026.71		1,036.02		1,036.40		1,040.92	
WP/LS	--		--		--		--		--		--	
Date	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL	Depth to Water, feet	Ground-Water Elevation, ft. AMSL
03/18/20	4.81	**1019.81**	15.33	**1011.27**	12.07	**1014.64**	17.40	**1018.62**	17.82	**1018.58**	14.85	**1026.07**
09/08/20	6.42	**1018.20**	16.75	**1009.85**	14.85	**1011.86**	20.78	**1015.24**	20.53	**1015.87**	17.83	**1023.09**
03/22/21	4.76	**1019.86**	15.55	**1011.05**	13.93	**1012.78**	20.66	**1015.36**	20.23	**1016.17**	17.58	**1023.34**
09/13/21	6.85	**1017.77**	17.20	**1009.40**	16.58	**1010.13**	21.96	**1014.06**	21.86	**1014.54**	18.96	**1021.96**
03/21/22	5.58	**1019.04**	15.70	**1010.90**	15.35	**1011.36**	21.30	**1014.72**	21.19	**1015.21**	18.99	**1021.93**
09/06/22	7.98	**1016.64**	17.84	**1008.76**	16.68	**1010.03**	23.00	**1013.02**	22.79	**1013.61**	20.17	**1020.75**
03/06/23	6.10	**1018.52**	16.41	**1010.19**	14.55	**1012.16**	20.74	**1015.28**	21.02	**1015.38**	19.10	**1021.82**
09/22/23	7.94	**1016.68**	17.73	**1008.87**	16.02	**1010.69**	22.01	**1014.01**	22.08	**1014.32**	19.49	**1021.43**
03/04/24	6.26	**1018.36**	16.38	**1010.22**	15.25	**1011.46**	21.60	**1014.42**	21.87	**1014.53**	19.27	**1021.65**
09/09/24	9.31	**1015.31**	18.55	**1008.05**	17.38	**1009.33**	23.58	**1012.44**	23.43	**1012.97**	21.05	**1019.87**
03/03/25	7.00	**1017.62**	17.05	**1009.55**	15.57	**1011.14**	22.06	**1013.96**	22.51	**1013.89**	19.61	**1021.31**

Notes on last page of table.

Table 1. Groundwater Elevation Data, 2020-2025
Former York Casket Hardware Facility, Lawrenceville, Georgia

1.	ft. AMSL-Feet above mean sea level.
2.	March 21, 2022 depth to water estimated at pumping depth based on historical water levels when recovery wells are pumping.
WP	Well Pad
LS	Land Surface
NA	Not available.
NM	Not measured.

Table 2. Disposition of SWMUs and AOCs
Former York Casket Hardware Facility, Lawrenceville, Georgia

SWMU or AOC	40 CFR 264.90(a)2 Regulated Unit?	RFI Complete?	Corrective Action Complete?	No Further Action?	Description
SWMU-1	No	Yes	N/A	Yes	Vacuum Metalizer Area
SWMU-2	No	N/A	N/A	Yes	Waste Oil Storage Area
SWMU-3	No	N/A	N/A	Yes	Outdoor Storage Area #1, NW of Building 6
SWMU-4	No	Yes	Yes	Yes	Plastic Injection Molding Area
SWMU-5	No	N/A	N/A	Yes	FlowCoat/In-Plant Paint Waste Area
SWMU-6	No	N/A	N/A	Yes	Former Scrap Metal Dumpsters
SWMU-7	No	N/A	N/A	Yes	Paint Waste Storage Building
SWMU-8	No	N/A	N/A	Yes	Hazardous Waste Storage Building
SWMU-9	No	Yes	Yes	Yes	Dismantled Paint Waste Storage Building (see AOC-6)
SWMU-10	No	N/A	N/A	Yes	Former Trash Dumpster South of Building 1
SWMU-11	No	N/A	N/A	Yes	Phosphate Process Line Drainage Area
SWMU-12	Yes RU-1	N/A	Yes	No[1]	Electroplating Area
SWMU-13	No	N/A	N/A	Yes	Former Melt Down Booth
SWMU-14	Yes RU-2	N/A	Yes	No[1]	Evaporation Area
SWMU-15	No	Yes	Yes	No[1]	Runoff Area
SWMU-16	No	N/A	N/A	Yes	Former Trash Dumpster Between Buildings 1 and 2
SWMU-17	No	Yes	N/A	Yes	Outdoor Storage Area #2, Building 1/7 - 2 Alleyway
SWMU-18	No	Yes	N/A	Yes	Dye Jig Drainage Trench Area
SWMU-19	No	N/A	N/A	Yes	Former Trash Dumpster East of Building 3
SWMU-20	No	Yes	N/A	Yes	Dye Water Evaporation Pond Area
AOC-1	No	Yes	Yes	Yes	Compressor Area
AOC-2	No	N/A	N/A	Yes	Building 1
AOC-3	No	Yes	N/A	Yes	Rollair Compressor Area
AOC-4	No	N/A	N/A	Yes	Possible Investigative Waste Area
AOC-5	No	N/A	N/A	Yes	Stained Soil Area, North of SWMU-15
AOC-6	No	Yes	Yes	Yes	VOC Groundwater Plume #1, South of Building 1
AOC-7	No	Yes	N/A	Yes	VOC Groundwater Plume #2, East of Buildings 3 and 4

[1.] Corrective action is considered complete as impacted soil has been removed. No Further Action is not considered complete because impacted groundwater must be monitored to verify that it remains on site or disipates to below cheanup standards.

Table 3. Soil Standards
Former York Casket Hardware Facility, Lawrenceville, Georgia

	Background Concentration[1] mg/kg	Soil Concentration Protective of Groundwater (Residential) mg/kg	Regional Screening Level for Residential Exposure (TCR $1x10^{-5}$ and THI 1.0) mg/kg	Regional Screening Level for Industrial Worker Exposure (TCR $1x10^{-5}$ and THI 1.0) mg/kg	Soil Cleanup Standard mg/kg
Cyanide	Lab reporting limit[2]	40.40	22.8	147.	Lab reporting limit[2]
Barium	236.09	1,648.	15,300.	217,000.	1,648.
Chromium	66.21	1,000,000.			1,000,000.
Chromium^{+3}	Not sampled		117,000.	1,750,000.	117,000.
Chromium^{+6}	Not sampled	0.013	3.01	63.3	Lab reporting limit[3]
Cobalt	97.57		23.4	347.	97.57
Copper	124.54	562.50	31,300.	46,700.	562.50
Lead	7.40	270.06			270.06
Mercury	Below PQL	2.09	10.9	45.6	2.09
Nickel	19.70	511.17	1,550.	22,400.	511.17
Selenium	6.27	5.20	391.	5,840.	6.27
Vanadiium	Not sampled	220.04	393.	5,830.	220.04
Zinc	145.70	7,464.	23,500.	350,000.	7,464.

1. Background concentrations from RFI (AEM, 1999a), except for cobalt, which is from additional soil assessment report (AEM, 2009).
   Cobalt background concentration = background mean (37.69) + 2 times the background standard deviation (29.94) = 97.57.
2. Cleanup standard is the laboratory reporting limit (practical quantitation limit)and is approximately 0.5 mg/kg but will vary dependent on moisture content and interferences.
3. Cleanup standard is the laboratory reporting limit (practical quantitation limit)and is approximately 1.3 mg/kg but will vary dependent on moisture content and interferences.

Table 4. Groundwater Protection Standard, MCLs, and Universal Treatment Standards
Former York Casket Hardware Facility, Lawrenceville, Georgia

Compound	GPS (mg/L)	Bases for GPS	MCL	Universal Treatment Standard	Remarks
Total Cyanide	0.01	Lab PQL[1] (Background)	0.2 mg/L	590 mg/Kg	Associated with electroplating process.
Amenable Cyanide	0.01	Lab PQL[1] (Background)	0.02 mg/L	30 mg/Kg	Associated with electroplating process.
Barium	1.0	Table 1[2]	2 mg/L	21 mg/L TCLP	Occurs in POC wells and seems to be associated with elevated turbidity samples.
Chromium	0.05	Table 1[2]	0.1 mg/L	0.60 mg/L TCLP	Occurs in POC wells and seems to be associated with elevated turbidity samples.
Cobalt	0.0086[4]	Kaplan-Meier [3] (Background)			Not a released hazardous waste. Naturally occurring in soil and leached from residuum by cyanide.
Copper	0.0071[4]	Kaplan-Meier [3] (Background)	TT action level 1.3 mg/L		Likely associated with electroplating process.
Lead	0.05	Table 1[2]	TT action level 0.015 mg/L	0.75 mg/L TCLP	Occurs in POC wells and seems to be associated with elevated turbidity samples.
Mercury	0.002	Table 1[2]	0.002 mg/L	00.025 mg/L TCLP	Occurs in POC wells and seems to be associated with elevated turbidity samples.
Nickel	0.0102	Kaplan-Meier[3] (Background)		11 mg/L TCLP	Likely associated with electroplating process.
Selenium	0.01	Table 1[2]	0.05 mg/L	5.7 mg/L TCLP	Occurs in POC wells and seems to be associated with elevated turbidity samples.
Vanadium	0.011	Kaplan-Meier[3] (Background)		1.6 mg/L TCLP	Occurs in POC wells and seems to be associated with elevated turbidity samples.
Zinc	0.032	Kaplan-Meier[3] (Background)		4.3 mg/L TCLP	Likely associated with electroplating process.

1. The GPS is background, but background cannot be calculated because cyanide is not detected in the background well samples. Thus, the laboratory reporting limit
2. Table 1 of 40 CFR 264.94
3. Background calculated using the Kaplan-Meier Non-Parametric Statistic-Product Limit.
4. The calculated background limit is below the laboratory reporting limit. Thus, the GPS defaults to the laboratory PQL.

GPS Groundwater Protection Standard
PQL Practical Quantitation Limit
MCL Maximum Contaminant Level

Table 5. Groundwater Sample Data, March/May 2024
Former York Casket Hardware Facility, Lawrenceville, Georgia

		Background Wells (Residuum)			POC[1] RU-2 (Residuum)			Bedrock	Recovery Wells (Residuum at RU-2)			
Constituent	GPS	**MW-02**	**MW-10**	**MW-11**	**MW-06**	**MW-07R**	**MW-08**	**MWB-07**	**RW-01**	**RW-02**	**RW-03**	**RW-04**
Cyanide, mg/L												
Total	BG	<0.010	Dry	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.011**	<0.010	<0.010
Amenable	BG	<0.010	Dry	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.010**	<0.010	<0.010
GPS Metals, mg/L												
Barium	1.0	<0.0200	Dry	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0223**	<0.0200	<0.0200	**0.0227**
Chromium	0.05	<0.0100	Dry	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt	0.0086	<0.0100	Dry	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.0129**	<0.0100	<0.0100
Copper	0.0071	<0.0100	Dry	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.0110**	**0.203**	**0.0140**
Lead	0.05	<0.0100	Dry	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury	0.002	<0.0002	Dry	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.0102	<0.0100	Dry	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium	0.01	<0.0100	Dry	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	0.011	<0.0100	Dry	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc	0.032	<0.0200	Dry	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0231**	**0.0241**	**0.307**	**0.137**
Additional												
Appendix IX												
Metals, mg/L												
Antimony	No GPS	<0.0060	Dry	<0.0060	NS	NS	<0.0060	NS	NS	NS	NS	NS
Arsenic	No GPS	<0.0100	Dry	<0.0100	NS	NS	<0.0100	NS	NS	NS	NS	NS
Beryllium	No GPS	<0.0040	Dry	<0.0040	NS	NS	<0.0040	NS	NS	NS	NS	NS
Cadmium	No GPS	<0.0050	Dry	<0.0050	NS	NS	<0.0050	NS	NS	NS	NS	NS
Silver	No GPS	<0.0050	Dry	<0.0050	NS	NS	<0.0050	NS	NS	NS	NS	NS
Thallium	No GPS	<0.0020	Dry	<0.0020	NS	NS	<0.0020	NS	NS	NS	NS	NS
Tin	No GPS	<0.0400	Dry	<0.0400	NS	NS	<0.0400	NS	NS	NS	NS	NS
Date Sampled		3/5/2024	NS	3/5/2024	3/6/2024	3/6/2024	3/6/2024	3/4/2024	5/3/2024	5/3/2024	5/3/2024	5/3/2024

Notes: See last page of table.

Table 5. Groundwater Sample Data, March/May 2024
Former York Casket Hardware Facility, Lawrenceville, Georgia

		POC[2] RU-1 (Residuum)				RW at RU-1	Side Gradient (Residuum)		Downgradient (Residuum)		
Constituent	GPS	**MW-04**	**MW-12**	**MW-13**	**MW-14**	**RW-05**	**MW-03**	**TW-16**	**MW-05**	**TW-13**	**TW-14**
Cyanide, mg/L											
Total	BG	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.061**	<0.010	<0.010	<0.010
Amenable	BG	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.061**	<0.010	<0.010	<0.010
GPS Metals, mg/L											
Barium	1.0	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium	0.05	<0.0100	<0.0100	<0.0100	**0.0162**	**0.0120**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt	0.0086	<0.0100	<0.0100	<0.0100	**0.0124**	**0.0105**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper	0.0071	<0.0100	<0.0100	<0.0100	<0.0100	**0.0126**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead	0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.0102	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium	0.01	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium	0.011	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc	0.032	<0.0200	<0.0200	<0.0200	<0.0200	**0.0224**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Additional											
Appendix IX											
Metals, mg/L											
Antimony	No GPS	NS	<0.0060	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	No GPS	NS	<0.0100	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	No GPS	NS	<0.0040	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	No GPS	NS	<0.0050	NS	NS	NS	NS	NS	NS	NS	NS
Silver	No GPS	NS	<0.0050	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	No GPS	NS	<0.0020	NS	NS	NS	NS	NS	NS	NS	NS
Tin	No GPS	NS	<0.0400	NS	NS	NS	NS	NS	NS	NS	NS
Date Sampled		3/6/2024	3/6/2024	3/6/2024	3/6/2024	5/3/2024	3/5/2024	3/5/2024	3/6/2024	3/5/2024	3/5/2024

Notes: See last page of table.

Table 5. Groundwater Sample Data, March/May 2024
Former York Casket Hardware Facility, Lawrenceville, Georgia

1. MW-8 was sampled for Appendix IX parameters. No non-GPS constituents were reported above laboratory reporting limits in the Appendix IX sample. One RU-2 POC well is sampled for Appendix IX constituents each year on a rotating basis. MW-7R was sampled for Appendix IX constituents in 2023.

2. MW-12 was sampled for Appendix IX parameters. No non-GPS constitutes were reported above laboratory reporting limits in the MW-12 Appendix IX sample. One RU-1 POC well is sampled for Appendix IX constituents each year on a rotating basis. MW-14 was sampled for Appendix IX parameters in 2023. MW-13 was sampled for Appendix IX parameters in 2022.

POC	Point of Compliance
RU-1	Regulated Unit-1; Former Electroplating Unit (SWMU-12)
RU-2	Regulated Unit-2; Former Evaporation Unit (SWMU-14)
RW	Recovery Well
GPS	Groundwater Protection Standard
mg/L	Milligrams per liter
BG	Background
Appx IX	Appendix IX
0.0162	Concentration reported above laboratory reporting limit
	Concentration is above the Groundwater Protection Standard
NS	Not sampled

Table 6. Groundwater Sample Data, September 2024
Former York Casket Hardware Facility, Lawrenceville, Georgia

		Background Wells (Residuum)			POC RU-2 (Residuum)			Bedrock	Recovery Wells (Residuum at RU-2)			
Constituent	GPS	**MW-02**	**MW-10**	**MW-11**	**MW-06**	**MW-07R**	**MW-08**	**MWB-07**	**RW-01**	**RW-02**	**RW-03**	**RW-04**
Cyanide, mg/L												
Total	BG	<0.010	Dry	<0.010	<0.010	<0.010	<0.010	NS	<0.010	<0.010	<0.010	<0.010
Amenable	BG	<0.010	Dry	<0.010	<0.010	<0.010	<0.010	NS	<0.010	<0.010	<0.010	<0.010
GPS Metals, mg/L												
Barium	1.0	<0.020	Dry	<0.020	<0.020	<0.020	<0.020	NS	**0.028**	<0.020	<0.020	<0.020
Chromium	0.05	<0.010	Dry	<0.010	<0.010	<0.010	<0.010	NS	<0.010	<0.010	<0.010	<0.010
Cobalt	0.0086	<0.010	Dry	<0.010	<0.010	<0.010	<0.010	NS	<0.010	**0.012**	<0.010	<0.010
Copper	0.0071	<0.010	Dry	<0.010	<0.010	<0.010	<0.010	NS	**0.010**	**0.014**	**0.49**	<0.010
Lead	0.05	<0.010	Dry	<0.010	<0.010	<0.010	<0.010	NS	<0.010	<0.010	<0.010	<0.010
Mercury	0.002	<0.0002	Dry	<0.0002	<0.0002	<0.0002	<0.0002	NS	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.0102	<0.010	Dry	<0.010	<0.010	<0.010	<0.010	NS	<0.010	<0.010	<0.010	<0.010
Selenium	0.01	<0.010	Dry	<0.010	<0.010	<0.010	<0.010	NS	<0.010	<0.010	<0.010	<0.010
Vanadium	0.011	<0.010	Dry	<0.010	<0.010	<0.010	<0.010	NS	<0.010	<0.010	<0.010	<0.010
Zinc	0.032	<0.020	Dry	<0.020	<0.020	<0.020	<0.020	NS	**0.035**	**0.12**	**0.34**	**0.14**
Date Sampled		9/9/2024	NS	9/9/2024	9/10/2024	9/10/2024	9/10/2024	NS	9/11/2024	9/11/2024	9/10/2024	9/10/2024

Notes: See last page of table.

Table 6. Groundwater Sample Data, September 2024
Former York Casket Hardware Facility, Lawrenceville, Georgia

		POC RU-1 (Residuum)				RW at RU-1	Side Gradient (Residuum)		Downgradient (Residuum)		
Constituent	GPS	**MW-04**	**MW-12**	**MW-13**	**MW-14**	**RW-05**	**MW-03**	**TW-16**	**MW-05**	**TW-13**	**TW-14**
Cyanide, mg/L											
Total	BG	<0.010	<0.010	<0.010	<0.010	<0.010	NS	NS	<0.010	NS	NS
Amenable	BG	<0.010	<0.010	<0.010	<0.010	<0.010	NS	NS	<0.010	NS	NS
GPS Metals, mg/L											
Barium	1.0	<0.020	<0.020	<0.020	**0.022**	<0.020	NS	NS	<0.020	NS	NS
Chromium	0.05	<0.010	<0.010	<0.010	**0.014**	<0.010	NS	NS	<0.010	NS	NS
Cobalt	0.0086	<0.010	<0.010	<0.010	**0.018**	<0.010	NS	NS	<0.010	NS	NS
Copper	0.0071	<0.010	<0.010	<0.010	<0.010	**0.049**	NS	NS	<0.010	NS	NS
Lead	0.05	<0.010	<0.010	<0.010	<0.010	<0.010	NS	NS	<0.010	NS	NS
Mercury	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NS	NS	<0.0002	NS	NS
Nickel	0.0102	<0.010	<0.010	<0.010	<0.010	<0.010	NS	NS	<0.010	NS	NS
Selenium	0.01	<0.010	<0.010	<0.010	<0.010	<0.010	NS	NS	<0.010	NS	NS
Vanadium	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	NS	NS	<0.010	NS	NS
Zinc	0.032	<0.020	<0.020	<0.020	<0.020	**0.10**	NS	NS	<0.020	NS	NS
Date Sampled		9/10/2024	9/10/2024	9/10/2024	9/10/2024	9/10/2024	NS	NS	9/10/2024	NS	NS

Notes: See last page of table.

Table 6. Groundwater Sample Data, September 2024
Former York Casket Hardware Facility, Lawrenceville, Georgia

POC	Point of Compliance
RU-1	Regulated Unit-1; Former Electroplating Unit (SWMU-12)
RU-2	Regulated Unit-2; Former Evaporation Unit (SWMU-14)
RW	Recovery Well
GPS	Groundwater Protection Standard
mg/L	Milligrams per liter
BG	Background
0.049	Concentration reported above laboratory reporting limit
	Concentration is above the Groundwater Protection Standard
NS	Not sampled

Table 7. Groundwater Standards

Former York Casket Hardware Facility, Lawrenceville, Georgia

Compound	Standard	Remarks
Total Cyanide	MCL 0.2 mg/L	Associated with electroplating process.
Amenable Cyanide	Use total cyanide MCL	Associated with electroplating process.
Hexavalent Chromium	RAGS 0.007 mg/L	Total chromium occurs in POC wells and seems to be associated with elevated turbidity samples.
Cobalt	Background 0.0086 mg/L	Not a released hazardous waste. Naturally occurring in soil and leached from residuum by cyanide.
Copper	TT action level 1.3 mg/L	Likely associated with electroplating process.
Lead	TT action level 0.015 mg/L	Occurs in POC wells and seems to be associated with elevated turbidity samples.
Nickel	RAGS 0.392 mg/L	Likely associated with electroplating process.
Vanadium	Background 0.011 mg/L	Occurs in POC wells and seems to be associated with elevated turbidity samples.
Zinc	RAGS 6.0 mg/L	Likely associated with electroplating process. Also, may be associated with recover well galvanized pipiing.

mg/L Milligrams per liter
MCL Maximum Contaminant Level
RAGS Risk Assessment Guidance for Superfund
TT Treatment technique standard

Table 8. Groundwater Monitoring Program
Former York Casket Hardware Facility, Lawrenceville, Georgia

Water Level Measurements	Groundwater Sampling March and September	Groundwater Sample Analyte and LRL List
Recovery Wells-Residuum RW-04 RW-05 Monitoring Wells-Residuum MW-03 TW-12 MW-05 TW-13 MW-15 TW-14 MW-16 TW-15 MW-17 TW-16 TW-15D Background Wells-Residuum MW-02 MW-11 MW-10 Background Well-Bedrock MWB-11	Residuum Monitoring Wells Recovery Wells RW-04 RW-05 Assessment Wells MW-03 MW-17 MW-05 TW-13 MW-15 TW-14 MW-16 TW-16 Background Wells MW-02, MW-10, MW-11	Total & Amenable Cyanide (0.010 mg/L) (U.S. EPA Method SW9014) Cobalt (0.010 mg/L) Copper (0.010 mg/L) Lead (0.010 mg/L) Nickel (0.010 mg/L) Vanadium (0.010 mg/L) Zinc (0.020 mg/L) (U.S. EPA Method SW6010/6020) Hexavalent Chromium (0.01 mg/L) (U.S. EPA Method SW7196)

LRL Laboratory Reporting Limit

mg/L Milligrams Per Liter

EPA Environmental Protection Agency

The groundwater monitorng program is set up for a minimum of 5 years. As noted in Item 3 listed on Page 3 of the Consent Order, the "monitoring period and other groundwater requirements may be modified pursuant to a petition approved by the Director."

Table 9. Corrective Action Plan Schedule
Former York Hardware Facility, Lawrenceville, Georgia

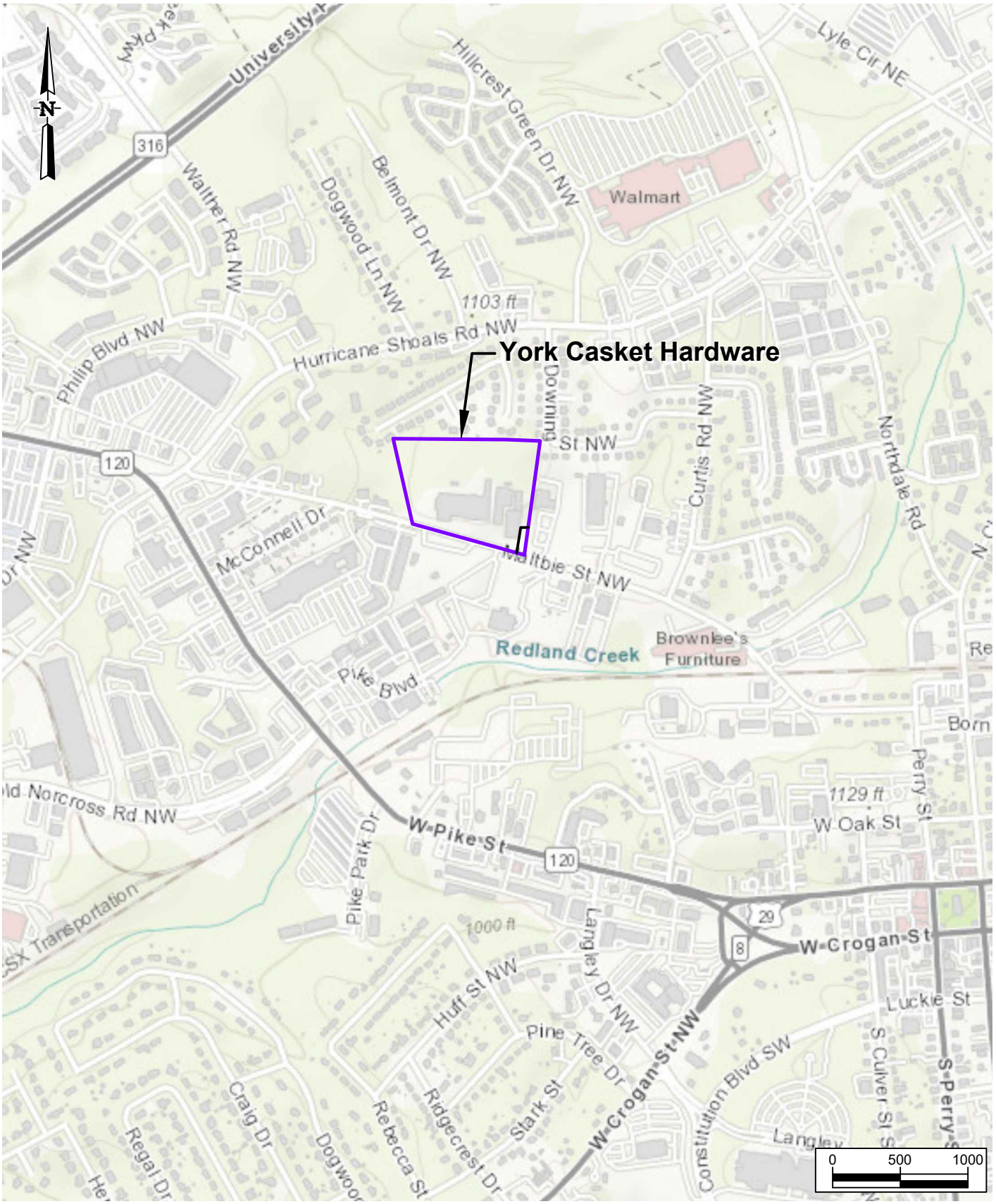
Task	Completion Time
CAP	
Submit CAP to EPD as Permit Modification	Done May 15, 2025
Permit Modification	
Matthews Send Public Notice Mailing	Done May 20, 2025
Matthews Submit Public Notice to Paper	Done May 21, 2025
Matthews Public Notice Period and Public Meeting	Done July 14, 2025
EPD Permit Modification Review	--
EPD Permit Modification Approval (Permit Terminated)	--
Uniform Environmental Covenant	
Matthews Prepare Draft UEC	Done July 9, 2025
EPD Review/Comment on UEC/Approve Draft UEC	Done August 22, 2025
Matthews Send Public Notice Mailing to Adjacent Property Owners	Done August 25, 2025
EPD Final Approval	--
File UEC	--
Complete Consent Order	
EPD Prepare Draft Consent Order	--
Matthews Review/Comment on Consent Order	--
Sign Final Consent Order	--
Sample Groundwater Monitoring Wells (5 Years)	
Install Replacement Wells	Done June 26, 2025
Sample Groundwater Monitoring Wells	March/Sept Each Year
Receive Sample Data from Laboratory	April/Oct Each Year
Prepare Groundwater Monitoring Report	--
Matthews Draft Report Review	--
Submit Final Report to EPD	June/January Each Year

Table 10. Financial Assurance Cost Estimate
York Casket Facility, Lawrenceville, Georgia
Revised September 17, 2025

Semiannual Groundwater Sampling (Per Year)				**$24,200.00**
Field work (includes well inspections)	2 at	$6,500.00	=	$13,000.00
Cyanide and metals samples (per event)	34 at	$250.00	=	$8,500.00
11 residuum wells				
2 recover wells				
4 QA/QC (duplicates and blanks)				
Supplies and equipment	2 at	$1,350.00	=	$2,700.00
Annual Reporting				**$30,000.00**
Report preparation	2 at	$12,500.00	=	$25,000.00
Report production and submittal	2 at	$2,500.00	=	$5,000.00
Miscellaneous Costs				**$20,650.00**
Administration (Per Year)				
Project administration/oversight	12 at	$500.00	=	$6,000.00
Site Security Maintenance	1 at	$3,000.00	=	$3,000.00
Utilities	12 at	$100.00	=	$1,200.00
Site Closure[1]				
Well Abandonment	19 at	$300.00	=	$5,700.00
Miscellaneous	1 at	$3,000.00	=	$3,000.00
Contingency Activities				
Contingent Cost	1 at	$1,750.00	=	$1,750.00
Contingency (10 Percent)				**$7,485.00**
Total Annual Cost				***$82,335.00***
5 Years GW Sampling & Reporting				**$411,675.00**

[1] Represents 1/5 of total expended cost that is then summed up over 5-year financial assurance period.

Figures



AECS

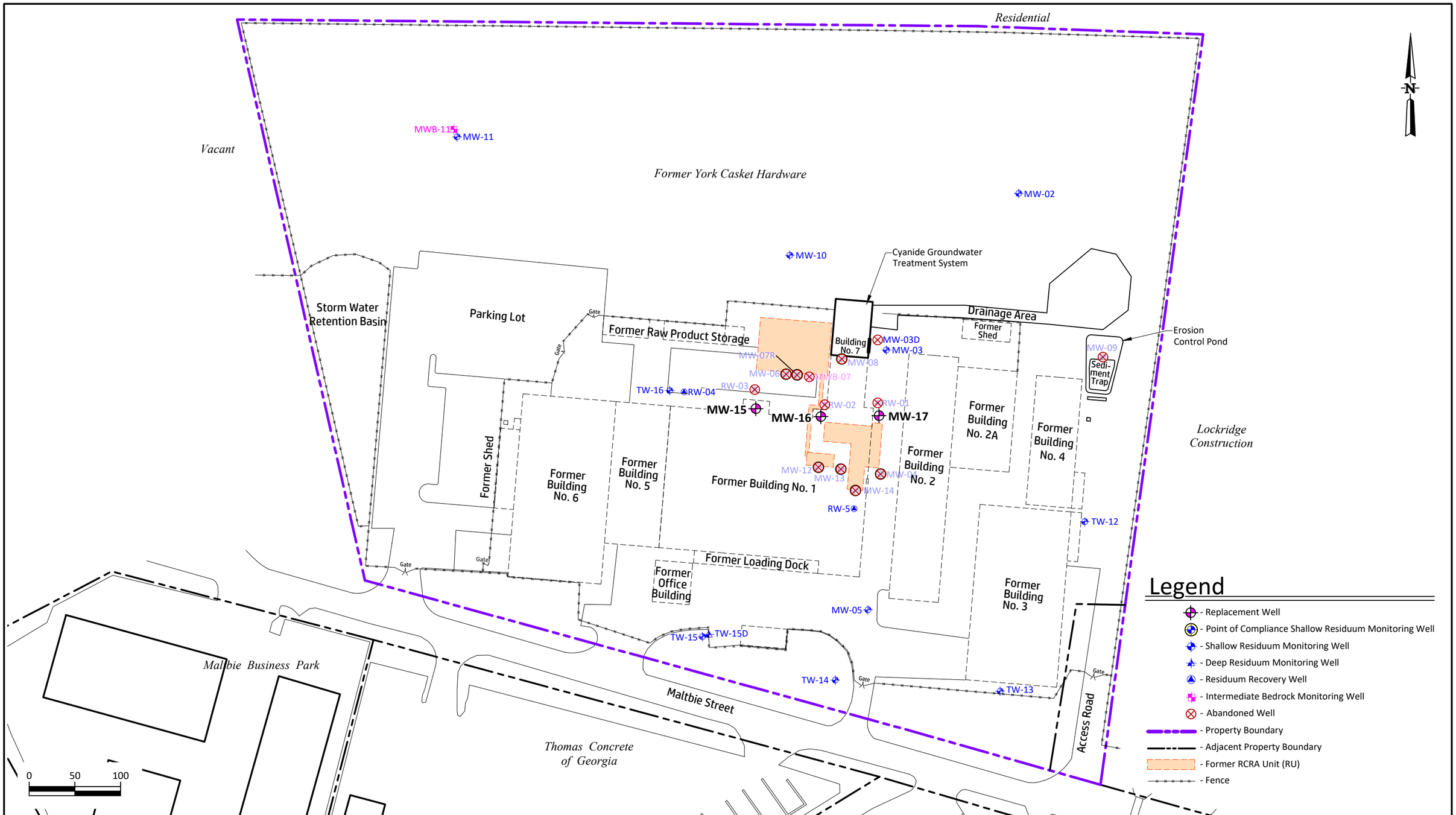
American Environmental & Construction Services, Inc.

Client: **Matthews International Corporation**
Project Name: York / Matthews
Project Location: Former York Casket Hardware
506 Maltbie Street
Lawrenceville, Georgia

DATE:	May 24, 2023	SCALE:	1"=1000'
PROJECT #:	22-06	PRINTED	10/23/2024 10:16 PM

Facility Location

Figure
1



Legend

- Replacement Well
- Point of Compliance Shallow Residuum Monitoring Well
- Shallow Residuum Monitoring Well
- Deep Residuum Monitoring Well
- Residuum Recovery Well
- Intermediate Bedrock Monitoring Well
- Abandoned Well
- Property Boundary
- Adjacent Property Boundary
- Former RCRA Unit (RU)
- Fence

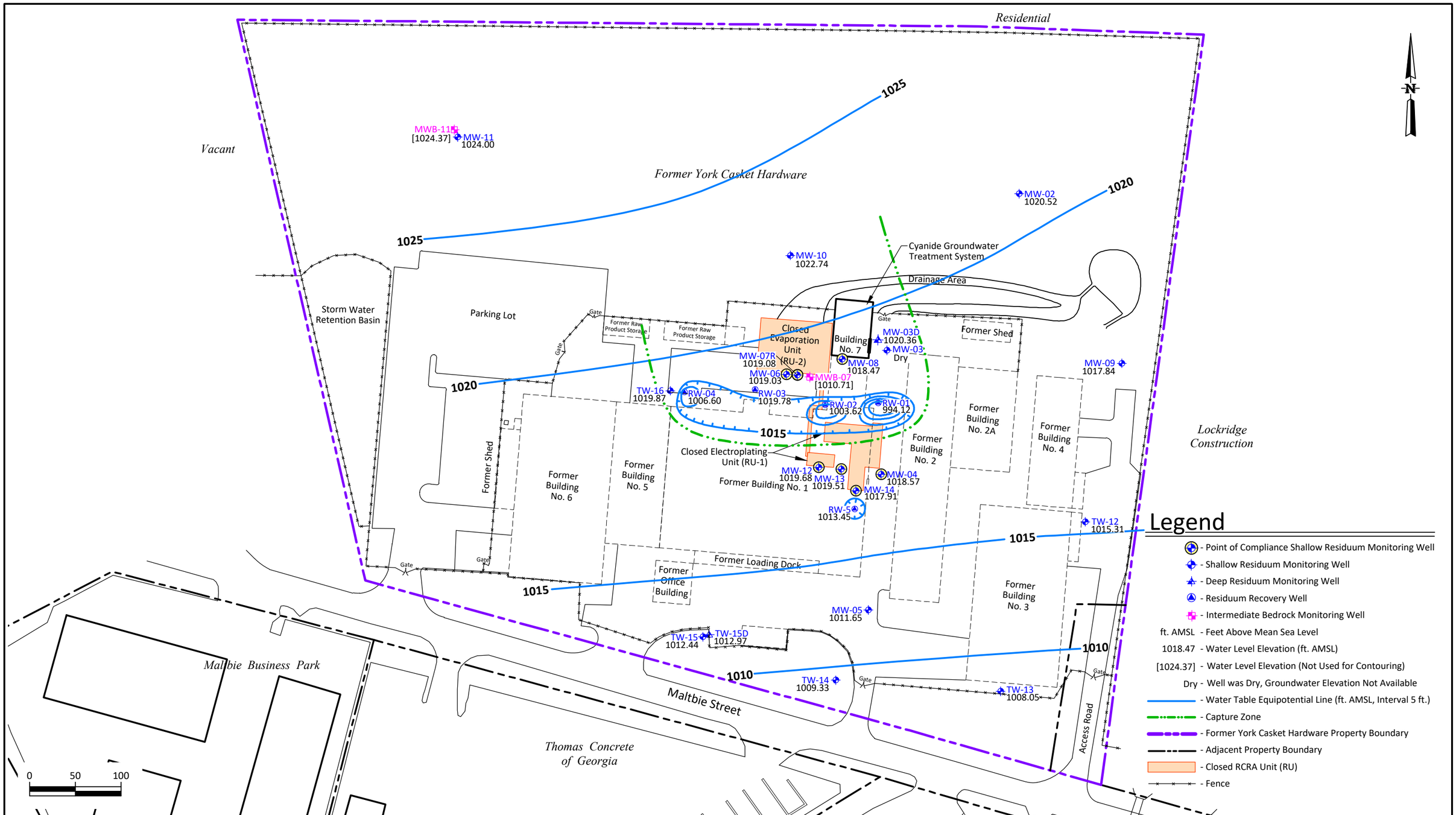
AECS
American Environmental & Construction Services, Inc.

DATE:	October 21, 2025	SCALE:	1" = 100'
PROJECT #:	22-06	PRINTED:	10/21/2025 8:34 PM

Client: **Matthews International Corporation**
Project Name: York / Matthews
Project Location: Former York Casket Hardware
506 Maltbie Street
Lawrenceville, Georgia

Former Regulated Unit and Monitoring Well Locations

Figure 2



Legend

- Point of Compliance Shallow Residuum Monitoring Well
- Shallow Residuum Monitoring Well
- Deep Residuum Monitoring Well
- Residuum Recovery Well
- Intermediate Bedrock Monitoring Well

ft. AMSL - Feet Above Mean Sea Level

1018.47 - Water Level Elevation (ft. AMSL)

[1024.37] - Water Level Elevation (Not Used for Contouring)

Dry - Well was Dry, Groundwater Elevation Not Available

- Water Table Equipotential Line (ft. AMSL, Interval 5 ft.)
- Capture Zone
- Former York Casket Hardware Property Boundary
- Adjacent Property Boundary
- Closed RCRA Unit (RU)
- Fence

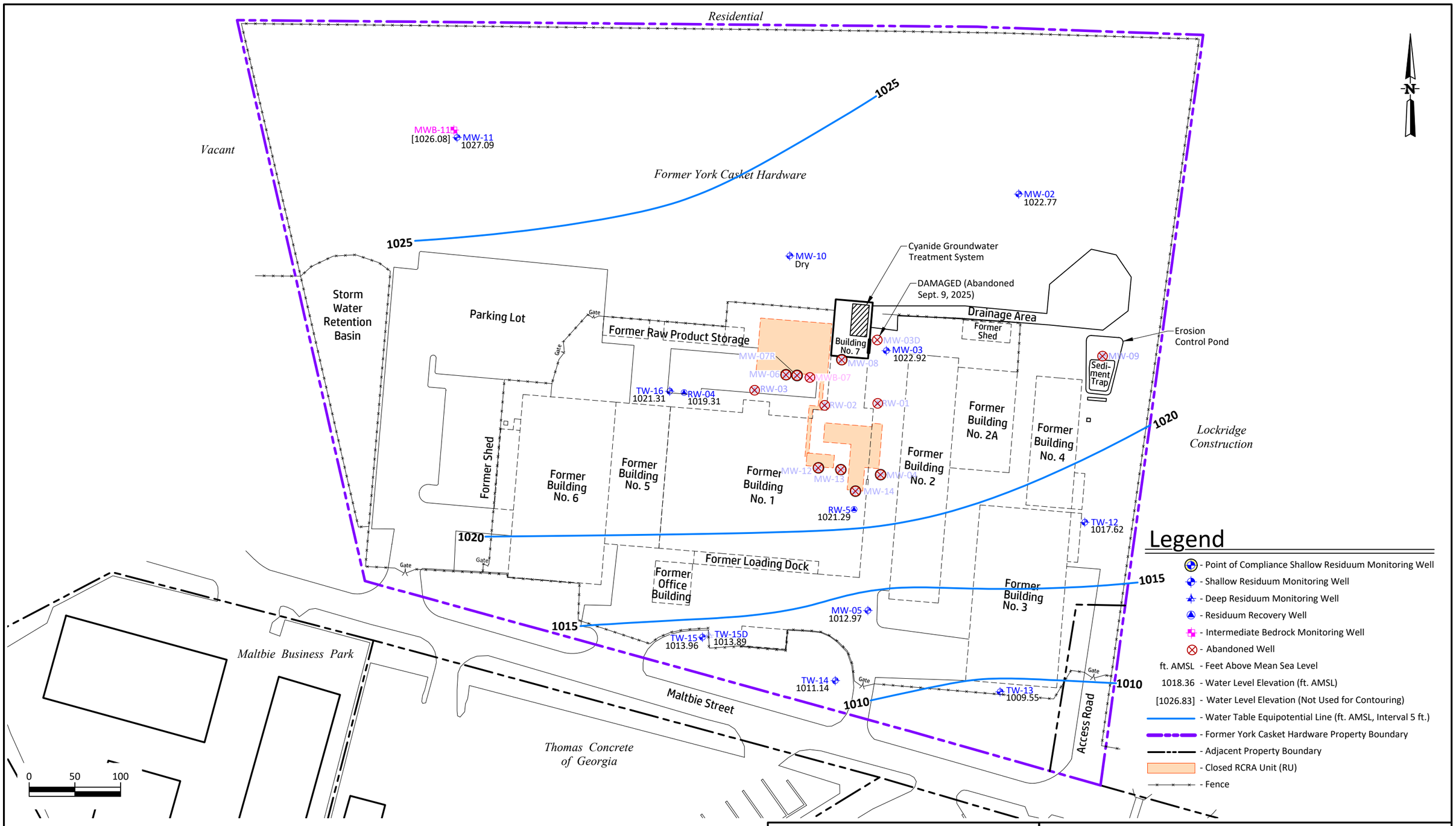
AECS
American Environmental & Construction Services, Inc.

DATE: October 23, 2024	SCALE: 1"=100'
PROJECT #: 22-06	PRINTED:11/4/2024 12:09 AM

Client: **Matthews International Corporation**
Project Name: York / Matthews
Project Location: Former York Casket Hardware
506 Maltbie Street
Lawrenceville, Georgia

Water Table Contours
Residuum Water-Bearing Zone
September 9, 2024

Figure
3



Legend

- Point of Compliance Shallow Residuum Monitoring Well
- Shallow Residuum Monitoring Well
- Deep Residuum Monitoring Well
- Residuum Recovery Well
- Intermediate Bedrock Monitoring Well
- Abandoned Well
- ft. AMSL - Feet Above Mean Sea Level
- 1018.36 - Water Level Elevation (ft. AMSL)
- [1026.83] - Water Level Elevation (Not Used for Contouring)
- Water Table Equipotential Line (ft. AMSL, Interval 5 ft.)
- Former York Casket Hardware Property Boundary
- Adjacent Property Boundary
- Closed RCRA Unit (RU)
- Fence

NOTE: The groundwater recovery system was inoperable on March 3, 2025 due to ongoing implementation of the interim measures work plan.

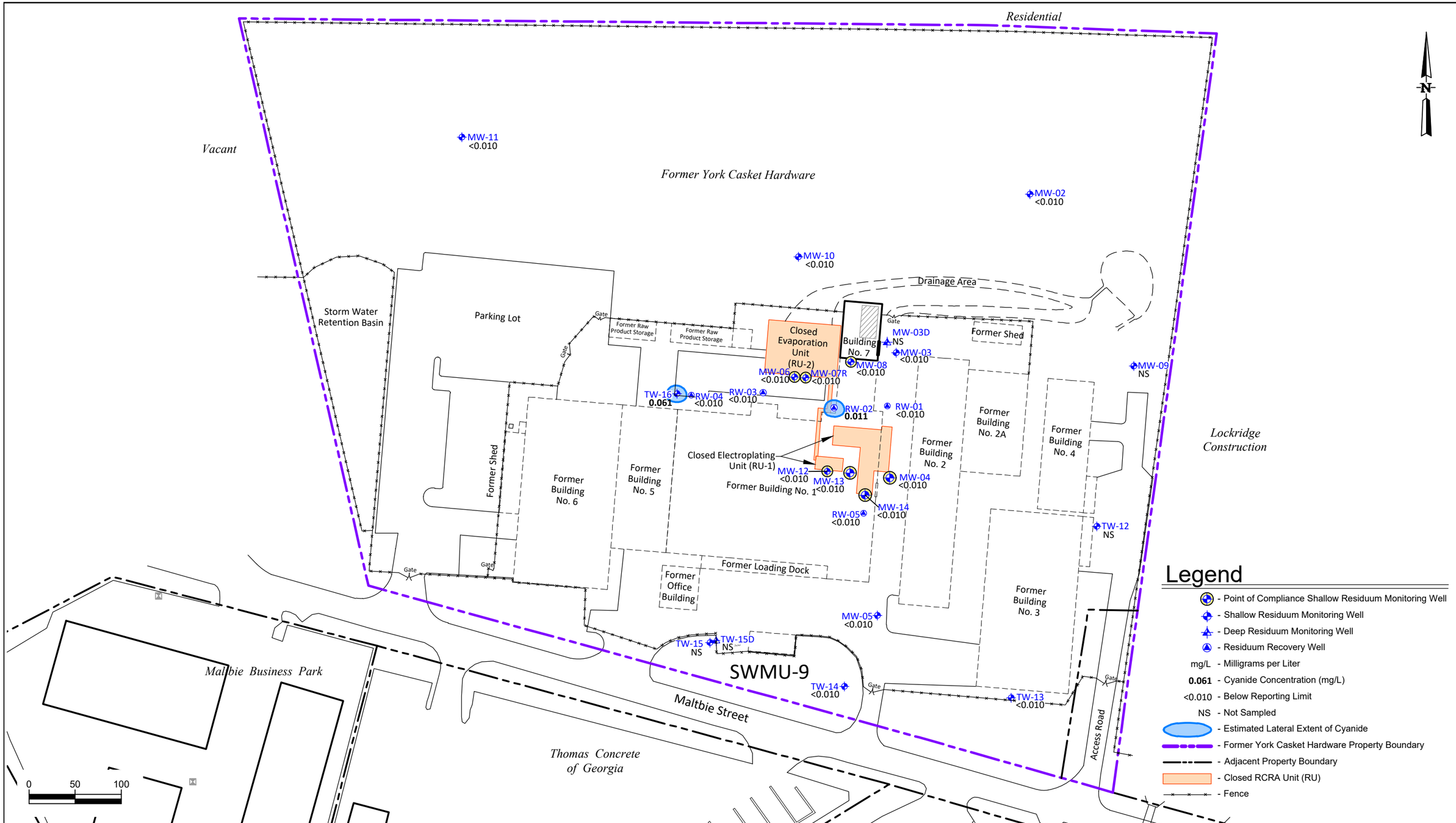
AECS
American Environmental & Construction Services, Inc.

DATE:	October 21, 2025	SCALE:	1"=100'
PROJECT #:	22-06	PRINTED:	10/21/2025 8:06 PM

Client: **Matthews International Corporation**
Project Name: York / Matthews
Project Location: Former York Casket Hardware
506 Maltbie Street
Lawrenceville, Georgia

Water Table Contours
Residuum Water-Bearing Zone
March 3, 2025

Figure
4



Legend

- Point of Compliance Shallow Residuum Monitoring Well
- Shallow Residuum Monitoring Well
- Deep Residuum Monitoring Well
- Residuum Recovery Well
- mg/L - Milligrams per Liter
- **0.061** - Cyanide Concentration (mg/L)
- <0.010 - Below Reporting Limit
- NS - Not Sampled
- Estimated Lateral Extent of Cyanide
- Former York Casket Hardware Property Boundary
- Adjacent Property Boundary
- Closed RCRA Unit (RU)
- Fence

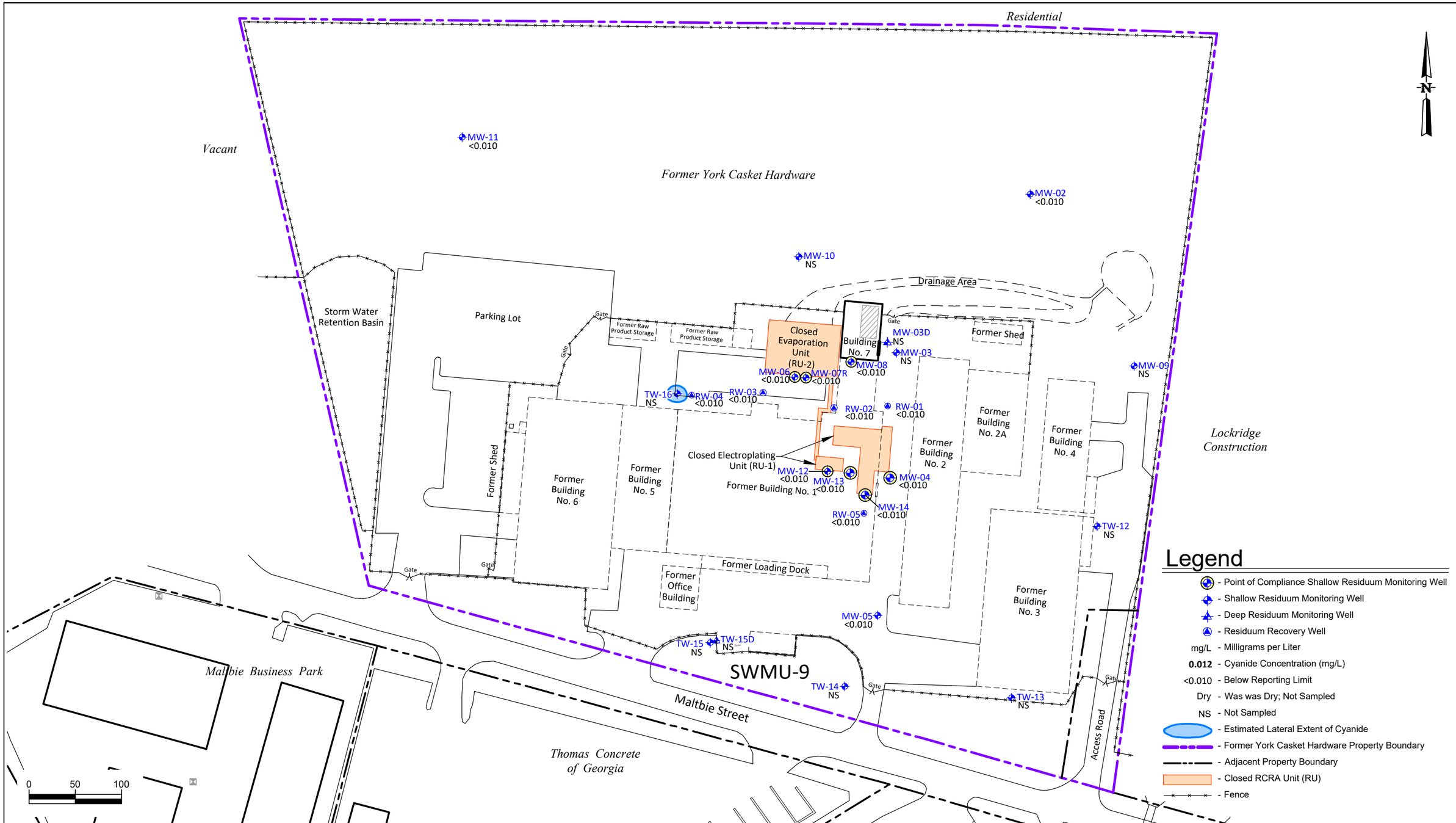
AECS
American Environmental & Construction Services, Inc.

DATE:	October 20, 2024	SCALE:	1" = 100'
PROJECT #:	22-06	PRINTED	10/23/2024 10:16 PM

Client: **Matthews International Corporation**
Project Name: York / Matthews
Project Location: Former York Casket Hardware
506 Maltbie Street
Lawrenceville, Georgia

Cyanide Concentrations
Residuum Water-Bearing Zone
March/May 2024

Figure
5



Legend

- Point of Compliance Shallow Residuum Monitoring Well
- Shallow Residuum Monitoring Well
- Deep Residuum Monitoring Well
- Residuum Recovery Well
- mg/L - Milligrams per Liter
- **0.012** - Cyanide Concentration (mg/L)
- <0.010 - Below Reporting Limit
- Dry - Was was Dry; Not Sampled
- NS - Not Sampled
- Estimated Lateral Extent of Cyanide
- Former York Casket Hardware Property Boundary
- Adjacent Property Boundary
- Closed RCRA Unit (RU)
- Fence

Note:
MW-10 contained minimal groundwater on September 9, 2024 and was purged dry. Sufficient groundwater recovery did not occur and MW-10 was not sampled.

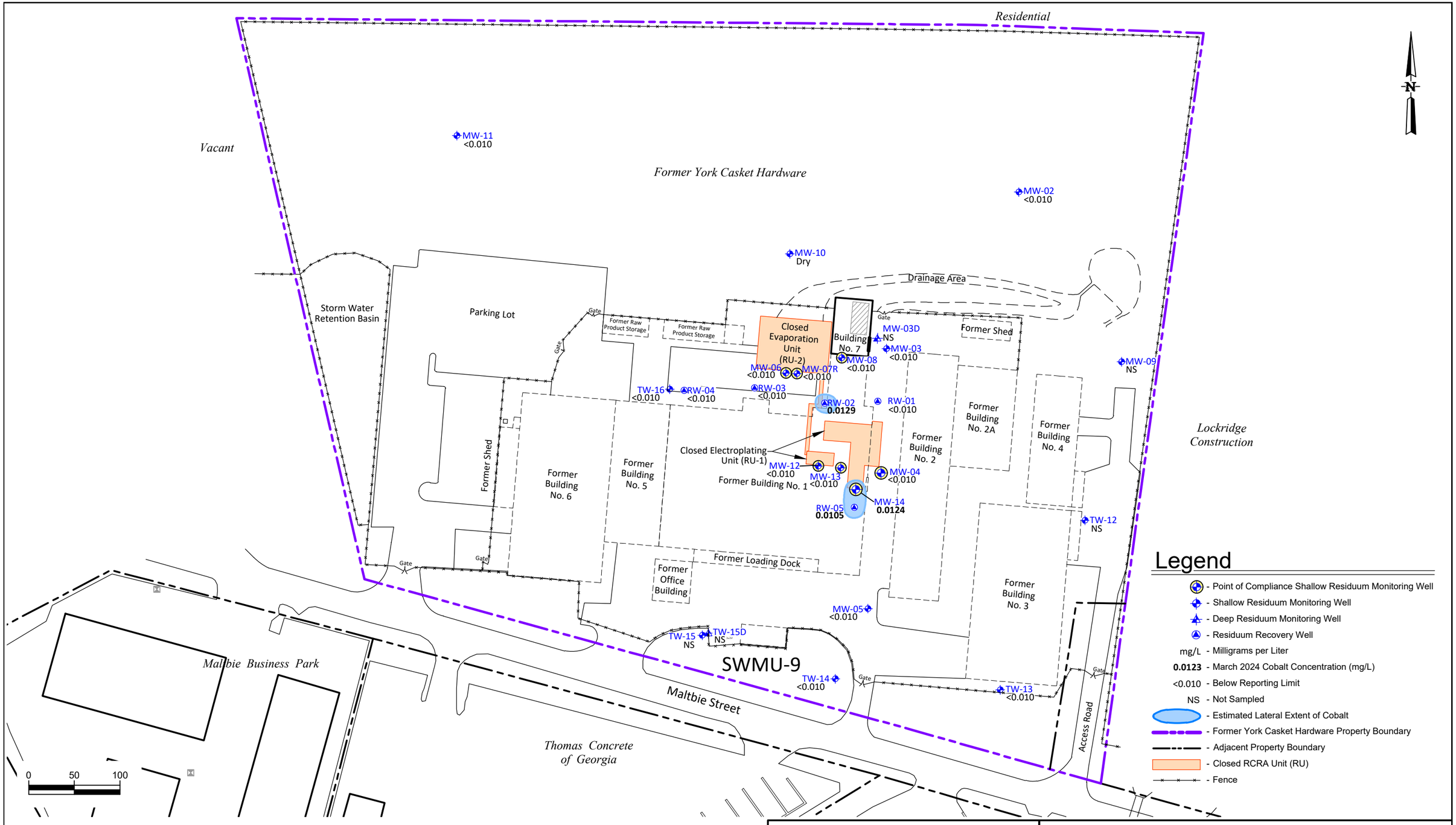
AECS
American Environmental & Construction Services, Inc.

DATE: November 4, 2024	SCALE: 1" = 100'
PROJECT #: 22-06	PRINTED: 11/4/2024 12:13 AM

Client: **Matthews International Corporation**
Project Name: York / Matthews
Project Location: Former York Casket Hardware
506 Maltbie Street
Lawrenceville, Georgia

Cyanide Concentrations
Residuum Water-Bearing Zone
Sepember 2024

Figure
6



Legend

- Point of Compliance Shallow Residuum Monitoring Well
- Shallow Residuum Monitoring Well
- Deep Residuum Monitoring Well
- Residuum Recovery Well
- mg/L - Milligrams per Liter
- **0.0123** - March 2024 Cobalt Concentration (mg/L)
- <0.010 - Below Reporting Limit
- NS - Not Sampled
- Estimated Lateral Extent of Cobalt
- Former York Casket Hardware Property Boundary
- Adjacent Property Boundary
- Closed RCRA Unit (RU)
- Fence

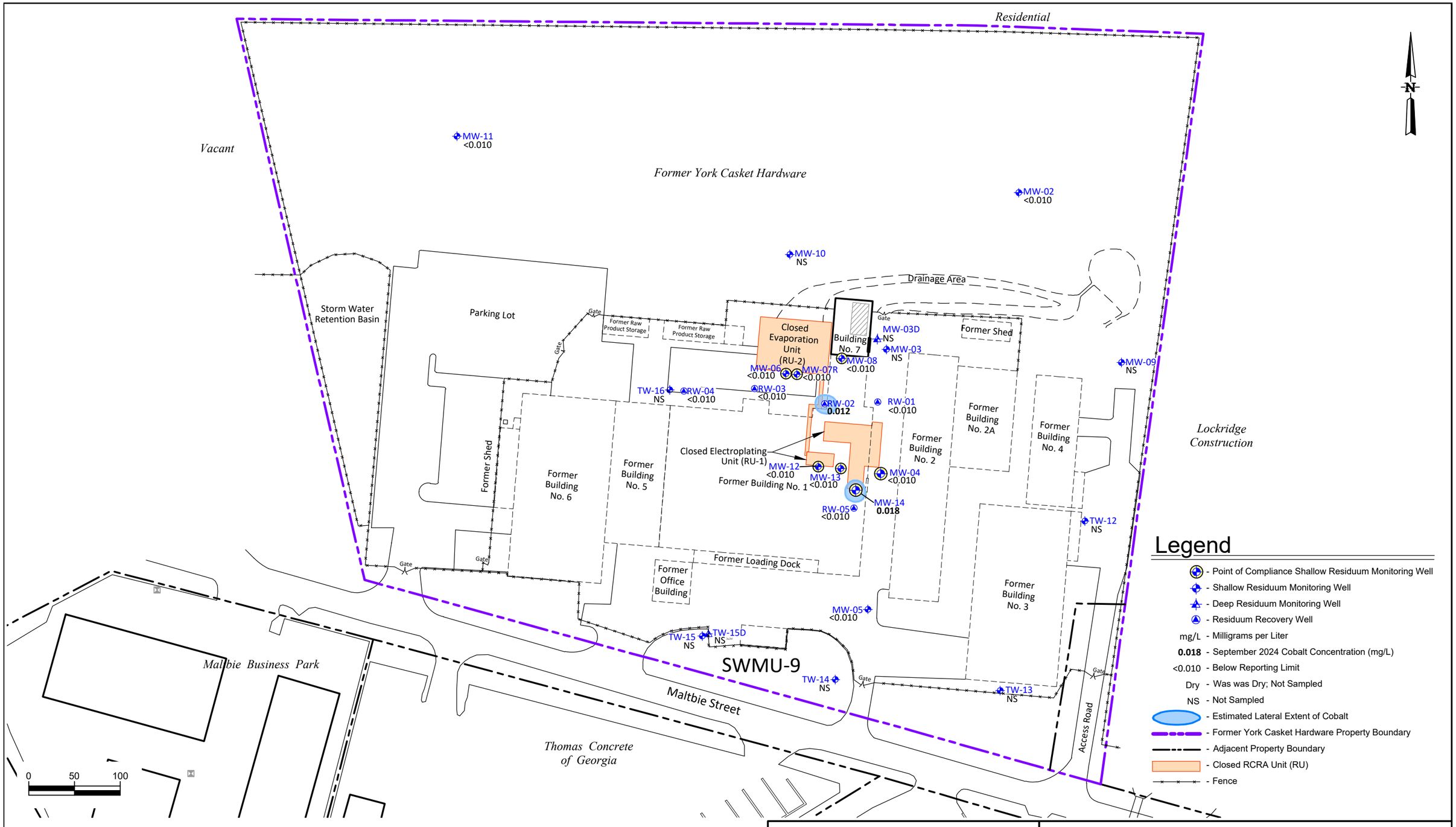
AECS
American Environmental & Construction Services, Inc.

DATE:	October 20, 2024	SCALE:	1" = 100'
PROJECT #:	22-06	PRINTED	10/23/2024 10:16 PM

Client: **Matthews International Corporation**
Project Name: York / Matthews
Project Location: Former York Casket Hardware
506 Maltbie Street
Lawrenceville, Georgia

Cobalt Concentrations
Residuum Water-Bearing Zone
March/May 2024

Figure
7



Legend

- Point of Compliance Shallow Residuum Monitoring Well
- Shallow Residuum Monitoring Well
- Deep Residuum Monitoring Well
- Residuum Recovery Well
- mg/L - Milligrams per Liter
- **0.018** - September 2024 Cobalt Concentration (mg/L)
- <0.010 - Below Reporting Limit
- Dry - Was was Dry; Not Sampled
- NS - Not Sampled
- Estimated Lateral Extent of Cobalt
- Former York Casket Hardware Property Boundary
- Adjacent Property Boundary
- Closed RCRA Unit (RU)
- Fence

Note:
MW-10 contained minimal groundwater on September 9, 2024 and was purged dry.
Sufficient groundwater recovery did not occur and MW-10 was not sampled.

AECS
American Environmental & Construction Services, Inc.

DATE: November 4, 2024	SCALE: 1" = 100'
PROJECT #: 22-06	PRINTED: 11/4/2024 12:15 AM

Client: **Matthews International Corporation**
Project Name: York / Matthews
Project Location: Former York Casket Hardware
506 Maltbie Street
Lawrenceville, Georgia

Cobalt Concentrations
Residuum Water-Bearing Zone
September 2024

Figure
8

APPENDIX A

Temporary Authorization Approval Letter

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Jeffrey W. Cown, Director

EPD Director's Office
2 Martin Luther King, Jr. Drive
Suite 1456, East Tower
Atlanta, Georgia 30334
404-656-4713

By: E-Mail and Certified Mail

Mr. Larry J. Newport, CIH CSP
Senior Director, Global EHS
Matthews International Corporation
Two North Shore Center
Pittsburgh, PA 15212-5838

RE: Temporary Authorization Approval
Hazardous Waste Permit HW-092(D)
Matthews International Corporation (d.b.a. The York Group/York Casket Hardware)
Lawrenceville, Gwinnett County
EPA ID No. GAD003265030

Dear Mr. Newport:

The Georgia Environmental Protection Division (EPD) has reviewed the Temporary Authorization request dated November 13, 2024, from American Environmental & Construction Services, Inc. (AECS), on behalf of Matthews International Corporation (d.b.a. The York Group/York Casket Hardware), pursuant to 40 CFR 270.42(e), to conduct excavation at the Lawrenceville, Georgia facility. EPD finds that the request meets the test at 40 CFR 270.42(e)(3)(ii)(A) and the overall requirements of 40 CFR 264. Consequently, EPD hereby grants Matthews/York the temporary authorization to conduct the activities described in the Interim Measures Work Plan. This authorization shall be effective for 180 (one hundred eighty) days from the date of this letter, by which time a Class 3 permit modification request for permit termination should be submitted. Matthews/York is reminded of the 40 CFR 270.42 (e)(2)(iii) notification requirements of this Temporary Authorization.

Should you have any questions or comments, please contact Mr. Brian Koehler at (470) 524-1576 or Mr. Dennis O'Connell at (470) 938-3379.

Sincerely,

Jeffrey W. Cown

Jeffrey W. Cown
Director
11/27/2024

APPENDIX B
Disposition of SWMUs and AOCs

Disposition of SWMUs and AOCs

Section J from Hazardous Waste Permit Reapplication

Former York Casket Hardware Facility
506 Maltbie Street
Lawrenceville, Georgia 30045
EPA ID No. GAD 003 625 030

Prepared for:
Matthews International Corporation
Two NorthShore Center
Pittsburgh, Pennsylvania 15212-5851

Revised October 20, 2025

Original September 17, 2025

American Environmental & Construction Services, Inc.
1170 Tidwell Road, Suite 103
Alpharetta, Georgia 30004

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J SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN

EPD has designated 20 Solid Waste Management Units (SWMUs) and 7 Areas of Concern (AOCs) at the York facility. Two SWMUs, SWMU-12 and SWMU-14, are also designated as regulated hazardous waste management units. SWMU-12, the former Electroplating Area, is a hazardous waste management unit (RU-1) because of waste closed in place as a landfill. SWMU-14, the former Evaporation Area, is also a hazardous waste management unit (RU-2) because of waste closed in place as a landfill. Table J-1 is a summary list of the SWMUs and AOCs.

As documented in the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* submitted to the Department of Natural Resources, Environmental Protection Division (EPD) on June 11, 2025, corrective action has been completed as soil impacted with the site-specific metals at concentrations above the soil cleanup standards and soil impacted with cyanide concentrations above the laboratory reporting limit, as demonstrated by confirmation samples, have been excavated and transported to the Republic Oak Grove Municipal Solid Waste Landfill under manifest as non-hazardous waste. Confirmation soil sample data documented that impacted soil was removed to below cleanup standards.

J1 SWMU-1, FORMER VACUUM METALIZER AREA

J1.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J1.1.1 Location

The Area was located along the western wall of Building No. 6. Equipment extended through the Building No. 6 wall to the shed. This unit is identified as SWMU-1 in Figure J-1.

J1.1.2 Type of Unit

The unit consisted of four vacuum metalizer machines that applied a copper or aluminum coating to metal parts. Acetone was used to remove oils that had accumulated in the machine, and diffusion pump oil and lubricating oil were used to operate the machinery. All the machines have been removed. Each machine had an associated pit area to accommodate movement of the machinery pumps. The pits for the removed machines have been filled with concrete.

J1.1.3 General Dimensions and Structural Description

Each machine occupied an area of 6' x 10' and extended beyond the wall where the machine pits were located. Each pit was approximately 4' x 4' x 5'

J1.1.4 Dates of Operation

The four machines were installed in approximately 1986. Three machines were removed in 1994, and the remaining machine was removed from service in 2002.

J1.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes associated with this SWMU include diffusion pump oil and lubricating oil. Oils used at the facility include a heavy oil containing no hazardous constituents, as well as multi-purpose lubricating oil containing the hazardous ingredient naphtha. None of the oils is a hazardous waste per RCRA standards.

J1.2 INFORMATION PERTAINING TO RELEASES

During the RCRA Facility Assessment (RFA) visual site inspection in 1994, dried oil was observed on the concrete floor in the vicinity of the three former pit areas. The pit of the remaining metalizer contained some unidentified liquid, and oil was observed on the concrete adjacent to the machine. During the October 1996 RCRA Facility Investigation (RFI) sampling activities, the pit areas were cleaned and inspected for cracks. No cracks were present in the concrete pits, and therefore no release pathway was identified. Thus, no soil or groundwater sampling was performed.

J1.3 SAMPLING AND ANALYSIS DATA

In an effort to define the up-gradient extent of the AOC-6 groundwater VOC plume, and possibly determine a source area, in March 2014, soil and groundwater samples were collected from temporary boring locations in the vicinity of SWMU-1 (AEM 2014c). The assessment area was hydrogeologically down gradient of the former Vacuum Metalizer Area within and outside of Building No. 6. The assessment concluded there was no evidence for a source area for the AOC-6 groundwater plume, as no VOCs (including acetone) were detected in soil from this area.

J1.4 SWMU DISPOSITION

No Further Action

J2 SWMU-2, FORMER WASTE OIL STORAGE AREA

J2.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J2.1.1 Location

The Former Waste Oil Storage Area was at the northwest corner of the shed, directly west of Building No. 6, and extended to an area outside and north of the shed. This area is identified as SWMU-2 in Figure J-1.

J2.1.2 Type of Unit

The area was used to store 55-gallon drums of waste hydraulic oil generated from the plastic injection molding process. This process generated approximately 30 gallons of waste oil per month. The drums were sealed and marked as to their contents while awaiting removal by Caye Steel Corporation.

J2.1.3 General Dimensions and Structural Description

The storage areas consisted of a 5' x 5' area inside the Shed and a 10' x 10' area outside and north of the Shed. Both areas were equipped with a concrete surface for storage. Located outside the Shed was an awning, covering part of the storage area to prevent storm water intrusion.

J2.1.4 Dates of Operation

This unit was in operation from 1989 until 1994.

J2.1.5 Description of Wastes That Have Been Managed at the Unit

The hydraulic oil previously used at the facility was a heavy oil containing no hazardous constituents. All waste oil and waste oil containers have been removed from the unit.

J2.2 INFORMATION PERTAINING TO RELEASES

During the RFA inspection, a small area of concrete beneath a waste bin was observed to be stained with oil. A release appeared to have occurred to the soil directly west of the outdoor storage area where surface soil was discolored in an area of approximately 2' x 2'.

J2.3 SAMPLING AND ANALYSIS DATA

Soil sampling activities were conducted during the Verification Investigation in 1995 (AEM, 1999a). The results of this investigation indicate that no regulated constituents were detected above background concentrations.

In an effort to define the up-gradient extent of the AOC-6 groundwater VOC plume, and possibly determine a source area, in March 2014, soil and groundwater samples were collected from temporary boring locations adjacent to SWMU-2 (AEM 2014c). The assessment area was hydrogeologically down gradient of the former Waste Oil Storage Area within and outside of Building No. 6. The assessment concluded there was no evidence for a source area for the AOC-6 groundwater plume.

J2.4 SWMU DISPOSITION

No Further Action

J3 SWMU-3, OUTDOOR STORAGE AREA #1

J3.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J3.1.1 Location

Storage Area #1 is located northwest of Building No. 6. It is identified as SWMU-3 in Figure J-1.

J3.1.2 Type of Unit

Storage Area #1 consisted of items stored outdoors on asphalt and concrete, including steel baskets, metal piping, wood pallets, and miscellaneous metal items.

J3.1.3 General Dimensions and Structural Description

The size of the unit is approximately 1,000 square feet.

J3.1.4 Dates of Operation

This area was in operation from approximately 1976 until 2002.

J3.1.5 Description of Wastes That Have Been Managed at the Unit

: Wastes that were associated with this unit included steel and aluminum and trace amounts of residual lubricating oil and hydraulic oil. Oils used at the facility included a heavy oil containing no hazardous constituents, as well as multi-purpose lubricating oil and drawing compounds containing the hazardous ingredient naphtha. None of the oils were a hazardous waste per RCRA standards. All storage items have been removed from the unit.

J3.2 INFORMATION PERTAINING TO RELEASES

During the RFA inspection, dried paint or oil was observed to spot the concrete near the western fence of the unit, but there was no visual evidence of a release to the soils adjacent to the unit. Minor potential existed for a release of materials from this unit through the leaching of materials into the soil below the items, and through storm water discharge from the unit which carried residual oils from the items. Storm water flow is both to the north and the south from this unit. The area south of the unit is a concrete surface extending several hundred feet, which would impede migration of contaminants.

J3.3 SAMPLING AND ANALYSIS DATA

Soil sampling activities were conducted during the Verification Investigation in 1995 (AEM, 1996). The results of this investigation indicate that no regulated constituents were detected above background concentrations.

J3.4 SWMU DISPOSITION

No Further Action

J4 SWMU-4, FORMER PLASTIC INJECTION MOLDING AREA

J4.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J4.1.1 Location

The Former Plastic Injection Molding Area is located in the southwest corner of Building No. 6. It is identified as SWMU-4 in Figure J-1.

J4.1.2 Type of Unit

The Plastic Injection Molding machines were used to form plastic hardware from plastic nuggets that were heated and formed through an extrusion process. The machines required the use of hydraulic oil, colored plastic nuggets, and non-contact cooling water. The hydraulic oil was filtered and reused in a closed loop process within each machine.

J4.1.3 General Dimensions and Structural Description

The unit area is approximately 1,200 square feet and the machines were located indoors on a concrete floor. The collection pans, located on the machines, were of the following approximate sizes: 60" x 12" x 3"; 12" x 5" x 24" (two pans this size); and 12" x 12" x 24".

J4.1.4 Dates of Operation

This unit was in operation from 1989 until January 1994.

J4.1.5 Description of Wastes That Have Been Managed at the Unit

Dust from the plastic nuggets and the hydraulic oil used in the extrusion process were generated as waste. The dust was swept up and disposed on in the trash dumpsters for landfill disposal. Hydraulic oil was re-used in the machine if it was free of solids. If not pure enough to be re-used, the oil was stored in 55-gallon drums and kept in the Waste Oil Storage Area, which is addressed as SWMU-2. Hydraulic oil used at the facility included a heavy oil containing no hazardous constituents.

All of the machines have been removed from the unit.

J4.2 INFORMATION PERTAINING TO RELEASES

During the RFA inspection, hydraulic oil was observed in several areas on the concrete around each machine. Additionally, hydraulic oil was observed leading from the southernmost machine through a crack in the wall to soil outside the facility. During the 1996 RFI, a limited soil removal activity was completed in this area, and confirmation samples were collected after this removal action (AEM, 1997). A second soil removal action was completed after the 1996 excavation. Confirmation sampling indicated that no regulated constituents were detected above action levels.

J4.3 SAMPLING AND ANALYSIS DATA

Soil sampling in this unit as part of the 1996 RFI detected low levels of lead (12 to 13 mg/kg) and oil and grease (2,100 to 13,000 mg/kg). The soil data collected after the second excavation indicated that no regulated constituents were detected above action levels (AEM, 1997).

In an effort to define the up-gradient extent of the AOC-6 groundwater VOC plume, and possibly determine a source area, in March 2014, soil and groundwater samples were collected from temporary

boring locations within Building No. 6 and outside to the west and south of Building No. 6 (AEM 2014c). One sample location (PGW-11) was located in the former Plastic Injection Molding Area. With the exception of the suspected laboratory introduced contaminant, methylene chloride, VOCs were not detected in any soil sample collected during the assessment, and methylene chloride was not detected in the soil sample at PGW-11. The only VOC detected in groundwater during the assessment was TCE at levels ranging from 1.25 to 5.8 µg/L, however, no TCE was detected in groundwater at PGW-11 (see Section J26). The assessment concluded that there was no evidence for a remaining source area for the AOC-6 groundwater plume.

J4.4 SWMU DISPOSITION

No Further Action

J5 SWMU-5, FORMER FLOW COAT/IN-PLANT PAINT WASTE AREA

J5.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J5.1.1 Location

The Flow Coat/In-Plant Paint Waste Area is located near the center of Building No. 6. It is identified as SWMU-5 in Figure J-1.

J5.1.2 Type of Unit

The three flow coat machines were utilized for paint application to hardware. During operation, paint containing volatile organic compounds was applied automatically to hardware inserted into the machine. The machines were flushed out two times per day and cleaned with paint thinner. Waste was kept in a sealed drum adjacent to the machines until removal to one of the Paint Waste Storage buildings that are addressed as SWMU-7 and SWMU-9.

J5.1.3 General Dimensions and Structural Description

The unit area is approximately 800 square feet. The machines were located indoors on a concrete surface.

J5.1.4 Dates of Operation

This unit was in operation from approximately 1980 until March 1994.

J5.1.5 Description of Wastes That Have Been Managed at the Unit

Waste paint containing volatile organic compounds and paint thinner waste were managed at this unit. Paint thinner was a volatile, non-halogenated solvent containing xylene and toluene constituents. The mixed waste was characterized as hazardous. All of the machines have been removed from this unit.

J5.2 INFORMATION PERTAINING TO RELEASES

The RFA conducted by EPD in 1994 indicated that no evidence of a release was observed within this unit.

J5.3 SAMPLING AND ANALYSIS DATA

No analysis was conducted prior to 2014. In an effort to define the upgradient extent of the AOC-6 groundwater VOC plume, and possibly determine a source area, in March 2014, soil and groundwater samples were collected from temporary boring locations within Building No. 6 and outside to the west and south of Building No. 6 (AEM 2014c). One sample location (PGW 10) was located in the former Flow Coat/In-Plant Paint Waste Area. With the exception of the suspected laboratory introduced contaminant, methylene chloride, VOCs were not detected in any soil sample collected during the assessment, and methylene chloride was not detected in the soil sample at PGW-10. The only VOC detected in groundwater during the assessment was TCE at levels ranging from 1.25 to 5.8 µg/L. The very low-level detection of TCE in groundwater at PGW-10 indicated it to be at the outer edge of the VOC plume and not the source. The assessment concluded there was no evidence for a remaining source area for the AOC-6 groundwater plume.

J5.4 SWMU DISPOSITION

No Further Action

J6 SWMU-6, SCRAP METAL DUMPSTERS

J6.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J6.1.1 Location

The two Scrap Metal dumpsters were located north of Building No. 5, identified as SWMU-6 in Figure J-1.

J6.1.2 Type of Unit

The unit consisted of two uncovered steel dumpsters set on concrete. The dumpsters were owned and serviced by Central Metals Co., who removed the scrap metal on a regular basis. The dumpsters received waste from the various metal working processes.

J6.1.3 General Dimensions and Structural Description

One dumpster was approximately

8’ x 6’x 6’ and the other was approximately 12’ x 10’ x 8’.

J6.1.4 Dates of Operation

This unit was in operation from 1986 until 2002.

J6.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes managed at the unit include scrap steel, aluminum, zinc, and trace amounts of residual lubricating and hydraulic oils. Oils used at the facility included a heavy oil containing no hazardous constituents, as well as multipurpose lubricating oil and drawing compounds containing the hazardous ingredient naphtha. None of the oils is a hazardous waste per RCRA standards.

J6.2 INFORMATION PERTAINING TO RELEASES

The RFA conducted by EPD in 1994 indicated that no evidence of a release was observed within this unit.

J6.3 SAMPLING AND ANALYSIS DATA

No analysis has been conducted in regard to this unit.

J6.4 SWMU DISPOSITION

No Further Action

J7 SWMU-7, FORMER PAINT WASTE STORAGE AREA

J7.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J7.1.1 Location

The Former Paint Waste Storage Building is located north of Buildings No. 5 and No. 6, and is identified as SWMU-7 in Figure J-1.

J7.1.2 Type of Unit

The unit consists of an enclosed building formerly utilized for the storage of paint/thinner waste.

J7.1.3 General Dimensions and Structural Description

The unit is an enclosed building with the approximate dimensions of 25' x 45' x 10'. It is constructed of corrugated steel with a concrete floor. Two roll-up doors and one regular door provide access on the south side of the building. It is equipped with a secondary containment berm to prevent runon and runoff from the building.

J7.1.4 Dates of Operation

This unit was in operation for approximately four years until 1994.

J7.1.5 Description of Wastes That Have Been Managed at the Unit

The paint waste contained volatile organic compounds and the paint thinner waste was a volatile, non-halogenated solvent containing xylene and toluene constituents. The mixed waste was characterized as hazardous.

J7.2 INFORMATION PERTAINING TO RELEASES

During the RFA inspection, drum rings were observed on the floor of the building, and oil and paint spills were observed in several areas of the floor. The largest spill areas were in the eastern portion of the building. No cracks were observed in the floor or the concrete secondary containment.

J7.3 SAMPLING AND ANALYSIS DATA

Soil sampling activities were conducted during the Verification Investigation in 1995 (AEM, 1996). The results of this investigation indicate that no regulated constituents were detected above background concentrations.

J7.4 SWMU DISPOSITION

No Further Action

J8 SWMU-8, FORMER HAZARDOUS WASTE STORAGE BUILDING

J8.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J8.1.1 Location

The Former Hazardous Waste Storage Building is located north of Building No. 1 and is identified as SWMU-8 in Figure J-1.

J8.1.2 Type of Unit

The unit consists of an enclosed building formerly utilized for the storage of hazardous waste. During that time, the waste from the electroplating process was stored in this building, including cyanide bath rinse water and acid bath rinse water. The rinse water was contained in 55-gallon polyethylene drums numbering from 1 to 40 at any given time. The drums were labeled and sealed while awaiting removal from the site.

Additionally, the building housed virgin chemicals used in the dip tank process, empty 55-gallon drums from the dip tank chemicals, and metal racks.

J8.1.3 General Dimensions and Structural Description

The unit is an enclosed building with the approximate dimensions of 35' x 45' x 10'. It is constructed of corrugated steel with a concrete floor. Two roll-up doors and one passage door provide access on the south side of the building. It is equipped with a secondary containment berm to prevent runon and runoff from the building.

J8.1.4 Dates of Operation

This unit was in operation for approximately four years until 1994.

J8.1.5 Description of Wastes That Have Been Managed at the Unit

Acid bath rinse water and cyanide bath rinse water. The acid waste was characterized as a corrosive hazardous waste per RCRA standards, and the cyanide was listed as a toxic and reactive hazardous waste.

J8.2 INFORMATION PERTAINING TO RELEASES

During the RFA inspection, one small crack was observed in the center of the building and one was observed on the floor near the west entryway. No release of material from this unit was observed or reported.

J8.3 SAMPLING AND ANALYSIS DATA

Soil sampling activities were conducted during the Verification Investigation in 1995 (AEM, 1996). The results of this investigation indicate that no regulated constituents were detected above background concentrations.

J8.4 SWMU DISPOSITION

No Further Action

J9 SWMU-9, DISMANTLED PAINT WASTE STORAGE BUILDING

J9.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J9.1.1 Location

The Dismantled Paint Waste Storage Building was located across a concrete driveway south of the Office Building. It is identified as SWMU-9 in Figure J-1.

J9.1.2 Type of Unit

The unit consisted of an enclosed building formerly utilized for the storage of paint/thinner waste prior to removal. The waste was kept inside the building in sealed 55 gallon drums.

J9.1.3 General Dimensions and Structural Description

The unit was an enclosed building with the approximate dimensions of 40' x 20' x 12'. It was constructed of corrugated steel with a concrete floor and two roll-up doors for access.

J9.1.4 Dates of Operation

This unit was in operation for approximately 10 years until 1990. In 1990 it was moved north of Building No. 2A for parts storage.

J9.1.5 Description of Wastes That Have Been Managed at the Unit

The paint waste contained volatile organic compounds, and the paint thinner waste was a volatile, non-halogenated solvent containing xylene and toluene constituents. The mixed waste was characterized as hazardous.

J9.2 INFORMATION PERTAINING TO RELEASES

No evidence of releases was observed in the area of the former building. However, low levels of dissolved VOCs were detected in groundwater at AOC-6, which were attributed to SWMU-9 (see Section J26). In September 2019 Matthews met the requirements of Sections III.E.7 and III.H.2 of the Hazardous Waste Facility Permit [pursuant to 40 CFR 264.100(f)], by remediating the chlorinated volatile organic compound (VOC) plume at AOC-6. Thus, a Hazardous Waste Facility Permit Modification was submitted to designate that corrective action is complete and no further action is required for AOC-6 and SWMU-9. No releases were historically identified at SWMU-9, but SWMU-9 was not previously designated as requiring no further action because EPD though it could possibly be the source of VOCs at AOC-6. Thus, both areas should now be designated as requiring no further action.

J9.3 SAMPLING AND ANALYSIS DATA

Soil samples were collected in October 1996 from this unit as part of the 1996 RFI and were analyzed for VOCs (see Figure J-2). No VOCs were detected in these samples (AEM, 1997). Results for the historical groundwater collected in the area of SWMU-9 are discussed in Section J-26 for AOC-6.

J9.4 SWMU DISPOSITION

No Further Action

J10 SWMU-10, TRASH DUMPSTERS (#1)

J10.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J10.1.1 Location

The Trash Dumpsters were located in front (south) of Building No. 1. The dumpsters are identified as SWMU-10 in Figure J-1.

J10.1.2 Type of Unit

The unit consisted of two trash dumpsters owned and serviced by Browning Ferris Industries, Inc. The dumpsters were used to contain trash prior to landfill disposal. They were uncovered and received waste from the various facility processes.

J10.1.3 General Dimensions and Structural Description

Each dumpster was a metal structure approximately 5.5' x 5.5' x 7' equipped with an opening in the side to facilitate placement of trash. The dumpsters were located on concrete surfaces.

J10.1.4 Dates of Operation

This unit was in operation from approximately 1976 until 2002.

J10.1.5 Description of Wastes That Have Been Managed at the Unit

Most of the items disposed of in these dumpsters were paper products associated with facility activities. In addition, small amounts of zinc, copper, and aluminum dust from sanding and buffing operations and powder coat dust from the powder coating (contains epoxy resin) operations were disposed of in the dumpsters.

J10.2 INFORMATION PERTAINING TO RELEASES

Several stains were observed on the concrete below the dumpsters during the RFA inspection. A slight potential for migration existed due to possible storm water exposure. The storm water drainage pathway for the dumpsters was downhill to the south, across concrete pavement to an area of grass covered soil approximately 100 feet away. No discoloration of the soil or unusual vegetative conditions was present downhill from the dumpsters.

J10.3 SAMPLING AND ANALYSIS DATA

Soil sampling activities were conducted during the Verification Investigation in 1995 (AEM, 1996). The results of this investigation indicate that no regulated constituents were detected above background concentrations.

J10.4 SWMU DISPOSITION

No Further Action

J11 SWMU-11, PHOSPHATE PROCESS LINE DRAINAGE AREA

J11.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J11.1.1 Location

The Phosphate Process Line Drainage Area was located in a room near the center of Building No. 1. It is identified as SWMU-11 in Figure J-1.

J11.1.2 Type of Unit

The unit consisted of a concrete drainage channel associated with seven dip tanks. Four of the tanks contained heavily diluted alkaline and acid-base solutions and phosphates used to prepare metal parts for painting. Two of the tanks were used for rinsing and one contained a stripping agent utilized to remove powder coat paint from metal surfaces. Use of the stripping agent was discontinued shortly after the process line was installed. The contents of the dip tanks, except for the tank containing the paint stripper, were released weekly, monthly, or bi-monthly into the drainage channel that discharges to sanitary sewer. The tanks held between 450 and 650 gallons of liquid.

J11.1.3 General Dimensions and Structural Description

The unit consisted of a concrete basin, approximately 2' x 2', which connected to the sanitary sewer through a 6" diameter discharge pipe.

J11.1.4 Dates of Operation

This unit was in operation for approximately one year and was closed in 1993.

J11.1.5 Description of Wastes That Have Been Managed at the Unit

The materials used in this area include the following: Oakite dynadet, containing sodium hydroxide, ethanol, and parasodium pyrophosphate; Oakite cryscoat, a phosphoric acid solution containing ether; and Oakite inpro-tect 600, a sealer containing monoethanolamine and a trade secret ingredient.

J11.2 INFORMATION PERTAINING TO RELEASES

Liquid materials, except for the paint stripper, were routinely discharged from this unit into the sanitary sewer. The concrete channel appeared to be in good condition, although two sections south of the tanks were observed during the RFA inspection to be pitted. The floor was wet at the time of the inspection, but no migration pathway to the subsurface soil was apparent.

J11.3 SAMPLING AND ANALYSIS DATA

Based on the lack of an apparent migration pathway, no soil sampling activities were conducted within this unit.

In an effort to further characterize the lateral extent of the cobalt groundwater, in March 2014, groundwater samples were collected from temporary boring locations within Building No. 1 and outside to the south and east of Building No. 1 (AEM 2014b). Soil was not sampled during the assessment, and groundwater samples were analyzed for cobalt and cyanide (total and amenable), only. One sample location (RU-TW-10) was located in the former Phosphate Process Line Drainage Area. No cobalt or cyanide (total or amenable) was detected in groundwater at RU-TW-10.

J11.4 SWMU DISPOSITION

No Further Action

J12 SWMU-12, FORMER ELECTROPLATING AREA

J12.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J12.1.1 Location

The Former Electroplating Area was located in the northeast corner of Building No. 1. It is identified as SWMU-12 in Figure J-1. SWMU-12 is also designated as RCRA Hazardous Waste Management Unit RU-1.

J12.1.2 Type of Unit

SWMU-12 was the location of a metal electroplating process consisting of three electroplating dip tanks and a pit/tank system. The pit/tank system was initially used to destroy cyanide wastewater (from electroplating activities) through chlorination and precipitation of heavy metals. The wastewater treated this way was then discharged to the county sewer system. The process line was modified in 1988 by the addition of an evaporation system (SWMU-14). The pit/tank system was then used as a temporary holding vessel for the electroplating waste before it was routed to the evaporation system.

In 1994, the equipment was removed and SWMU-12 was closed. Currently, the unit consists of soils contaminated with electroplating waste, closed in place and is subject to post-closure care.

J12.1.3 General Dimensions and Structural Description

The unit is capped with an impermeable membrane and concrete cover system and is approximately 90' x 100' in size.

J12.1.4 Dates of Operation

This unit was in operation from the mid-1980s until 1993.

J12.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes associated with this unit included zinc, nickel, and copper, as well as various forms of cyanide and strong acids.

J12.2 INFORMATION PERTAINING TO RELEASES

Releases of the electroplating wastes to the surrounding soil and groundwater are documented in the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* submitted to the Department of Natural Resources, Environmental Protection Division (EPD) on June 11, 2025. This unit is considered a closed hazardous waste management unit (RU-1).

J12.3 SAMPLING AND ANALYSIS DATA

Sampling and analysis data are included in Section 5.2 of this CAP and monitoring program is presented in Section 5.6 of this CAP.

J12.4 SWMU DISPOSITION

As documented in the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* submitted to the EPD on June 11, 2025, corrective action has been completed as soil impacted with the site-specific metals at concentrations above the soil cleanup standards and soil impacted with cyanide concentrations above the laboratory reporting limit, as demonstrated by confirmation samples, have been excavated and transported to the Republic Oak Grove Municipal Solid

Waste Landfill under manifest as non-hazardous waste. Confirmation soil sample data documented that impacted soil was removed to below cleanup standards.

A Uniform Environmental Covenant (UEC) will be placed on the property restricting groundwater use at the facility. Also, a Consent Order will be implemented to require groundwater monitoring to ensure that groundwater does not migrate off site.

Therefore, SWMU-12 does not have a No Further Action designation as groundwater impacts currently remain.

J13 SWMU-13, FORMER MELT DOWN BOOTH AREA

J13.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J13.1.1 Location

The Former Melt Down Booth Area was located along the north wall of Building No. 1. It is identified as SWMU-13 in Figure J-1.

J13.1.2 Type of Unit

The unit is a cinderblock room extending north from Building No. 1. It contained a melting pot formerly used to melt down scrap zinc for re-use in hardware production. In addition to housing the melting pot, the room also functioned as a storage area for scrap zinc. Scrap zinc was located in the pot, and was stored on the floor, in baskets and in a 55-gallon steel drum in this room.

J13.1.3 General Dimensions and Structural Description

The room is approximately 19' x 11' x 10' with no wall separating it from Building No. 1. A door provided access outside to the north of the room. The pot is approximately 3 feet high and 2 feet in diameter, with a vent stack through the roof.

J13.1.4 Dates of Operation

This unit was in operation for approximately 15 years prior to 1994.

J13.1.5 Description of Wastes That Have Been Managed at the Unit

Zinc and trace amounts of residual lubrication oil and hydraulic oil. Oils used at the facility included a heavy oil containing no hazardous constituents, as well as multipurpose lubricating oil and drawing compounds containing the hazardous ingredient naphtha. None of the oils were a hazardous waste per RCRA standards.

J13.2 INFORMATION PERTAINING TO RELEASES

During the RFA inspection, a hole was observed in the roof (former vent stack) and it was noted that the floor was not constructed of impervious material. No release of material

J13.3 SAMPLING AND ANALYSIS DATA

Soil sampling activities were conducted during the Verification Investigation in 1995 (AEM, 1996). The results of this investigation indicate that no regulated constituents were detected above background concentrations.

J13.4 SWMU DISPOSITION

No Further Action

J14 SWMU-14, FORMER EVAPORATION AREA

J14.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J14.1.1 Location

The Former Evaporation Area is located behind (north) Building No. 1. It is identified as SWMU-14 in Figure J-1. SWMU-14 is also designated as RCRA Hazardous Waste Management Unit RU-2.

J14.1.2 Type of Unit

The unit was composed of a free-standing building which housed separate cyanide waste and acid waste evaporation processes. The wastes were concentrated in two evaporation tanks within the unit until removal from the site. In 1994, the equipment and building were removed, and SWMU-14 was closed.

Currently, the unit consists of soils contaminated with electroplating waste, closed in place and is subject to post-closure care.

J14.1.3 General Dimensions and Structural Description

The unit is capped with an impermeable membrane and concrete cover system, and is approximately 50' x 80' in size.

J14.1.4 Dates of Operation

The unit was constructed in 1988 and operated until 1993.

J14.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes associated with this unit included acid (F006) and cyanide (F007) hazardous waste streams.

J14.2 INFORMATION PERTAINING TO RELEASES

Releases of the electroplating wastes to the surrounding soil and groundwater are documented in the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* submitted to EPD on June 11, 2025. This unit is considered a closed hazardous waste management unit (RU-2).

J14.3 SAMPLING AND ANALYSIS DATA

Sampling and analysis data are included in Section 5.2 of this CAP and monitoring program is presented in Section 5.6 of this CAP.

J14.4 SWMU DISPOSITION

As documented in the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* submitted to the EPD on June 11, 2025, corrective action has been completed as soil impacted with the site-specific metals at concentrations above the soil cleanup standards and soil impacted with cyanide concentrations above the laboratory reporting limit, as demonstrated by confirmation samples, have been excavated and transported to the Republic Oak Grove Municipal Solid Waste Landfill under manifest as non-hazardous waste. Confirmation soil sample data documented that impacted soil was removed to below cleanup standards.

A UEC will be placed on the property restricting groundwater use at the facility. Also, a Consent Order will be implemented to require groundwater monitoring to ensure that groundwater does not migrate off site.

Therefore, SWMU-14 does not have a No Further Action designation as groundwater impacts currently remain.

J15 SWMU-15, RUNOFF AREA

J15.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

15.1.1 Location

The Runoff Area is located in the wooded area north of Buildings No. 1, No. 2, No. 4, and No. 7. It is identified as SWMU-15 in Figure J-1.

J15.1.2 Type of Unit

The unit is comprised of the area of non-excavated soil that apparently received runoff generated by the former nickel, zinc, and copper electroplating process. This operation produced cyanide and acid waste streams containing residual nickel, zinc, and copper. The exact route of migration from the electroplating process to the soil has not been determined; however, the SWMU was identified as the soil containing detectable concentrations of the above-referenced constituents.

J15.1.3 General Dimensions and Structural Description

The unit was an area containing approximately 21,850 tons of soil. It extends eastward from the former Evaporation Area (SWMU-14) and functions as a stormwater drainage area.

J15.1.4 Dates of Operation

The unit is believed to have received runoff from the former electroplating process sometime between the mid-1980s and January 1993, when electroplating was discontinued.

J15.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes that have been identified at this unit are cyanide, nickel, zinc, and copper. Cyanide is generally water soluble and, therefore, tends to migrate somewhat with storm water that has percolated into the soil. Zinc, copper, and nickel are RCRA secondary metals that have relatively low toxicity and tend not to be water soluble.

J15.2 INFORMATION PERTAINING TO RELEASES

Releases to the soil were identified during previous sampling, which is discussed in RFI and Phase II RFI reports (AEM, 1997; 1999a).

J15.3 SAMPLING AND ANALYSIS DATA

Sampling and analysis data are included in Section 5.2 of this CAP and monitoring program is presented in Section 5.6 of this CAP.

J15.4 SWMU DISPOSITION

As documented in the *Interim Measures Completion Report for Clean Closure of the Former Electroplating and Evaporation Units* submitted to the EPD on June 11, 2025, corrective action has been completed as soil impacted with the site-specific metals at concentrations above the soil cleanup standards and soil impacted with cyanide concentrations above the laboratory reporting limit, as demonstrated by confirmation samples, have been excavated and transported to the Republic Oak Grove Municipal Solid Waste Landfill under manifest as non-hazardous waste. Confirmation soil sample data documented that impacted soil was removed to below cleanup standards.

A UEC will be placed on the property restricting groundwater use at the facility. Also, a Consent Order will be implemented to require groundwater monitoring to ensure that groundwater does not migrate off site.

Therefore, SWMU-15 does not have a No Further Action designation as groundwater impacts currently remain.

J16 SWMU-16, TRASH DUMPSTER (#2)

J16.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J16.1.1 Location

This unit was located between Buildings No. 1 and No. 2. It is identified as SWMU-16 in Figure J-1.

J16.1.2 Type of Unit

The unit was a single trash dumpster that was owned and operated by Browning Ferris and Industries, Inc.

J16.1.3 General Dimensions and Structural Description

The dumpster was approximately 5.5’ x 5.5’ x 7’ in size and was situated on concrete.

J16.1.4 Dates of Operation

The unit was in operation from approximately 1978 until 2002.

J16.1.5 Description of Wastes That Have Been Managed at the Unit

Most of the waste materials disposed of in the dumpster were paper products from facility operations.

J16.2 INFORMATION PERTAINING TO RELEASES

No stains were observed on the concrete beneath the dumpster.

J16.3 SAMPLING AND ANALYSIS DATA

The RFA inspection indicated that no evidence of releases was present in this unit.

J16.4 SWMU DISPOSITION

No Further Action

J17 SWMU-17, STORAGE AREA #2

J1.17 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J17.1.1 Location

Storage Area #2 is comprised of two areas: One was located adjacent to (east) Building No. 1 and the other was east of Building No. 7 and partially behind (north) Building No. 2. It is identified as SWMU-17 in Figure J-1.

J17.1.2 Type of Unit

Storage Area #2 consisted of items outdoors, including steel baskets and carts, metal lathes, scrap wood and metal; a metal storage tank; miscellaneous used metal parts; a conveyor; an air compressor; a 55-gallon drum of new oil; and a 30-pound propane tank.

J17.1.3 General Dimensions and Structural Description

The area east of Building No. 1 was approximately 400 square feet on concrete and asphalt pavement. The area east of Building No. 7 and behind Building No. 2 was also approximately 400 square feet and is partially on asphalt and partially on soil and gravel.

J17.1.4 Dates of Operation

This unit was in operation from approximately 1978 until 2002.

J17.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes that were associated with this unit included steel and aluminum and trace amounts of residual lubricating oil and hydraulic oil. Oils used at the facility included a heavy oil containing no hazardous constituents, as well as multi-purpose lubricating oil and drawing compounds containing the hazardous ingredient naphtha. None of the oils were a hazardous waste per RCRA standards.

J17.2 INFORMATION PERTAINING TO RELEASES

No releases were observed or reported during the RFA inspection. A minor potential existed for release of trace amounts of oils from the items due to the exposure to storm water. Storm water typically flowed to the east. The soil adjacent to this unit to the east did not appear discolored nor did it exhibit any unusual vegetative conditions that would have indicated a release from the unit.

J17.3 SAMPLING AND ANALYSIS DATA

Soil sampling was conducted in the unit during the 1996 RFI activities (AEM, 1997) and the 1999 Phase II RFI activities (AEM, 1999a). Detectable levels of cyanide, copper, nickel, zinc, and oil and grease were encountered during these sampling events. Although the presence of cyanide, nickel, zinc, and copper in soil was identified and delineated during these investigations, the Risk Assessment included in the 1999 Phase II RFI (AEM, 1999a) indicated that the reported concentrations of these constituents did not pose an unacceptable exposure risk.

J17.4 SWMU DISPOSITION

No Further Action

J18 SWMU-18, DYE JIG DRAINAGE TRENCH AREA

J18.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J18.1.1 Location

The Dye Jig Drainage Trench Area was located in the northeast section of Building No. 2A, identified as SWMU-18 in Figure J-1.

J18.1.2 Type of Unit

The unit was a concrete drainage trench located in the floor adjacent to the eight operating dye jigs used in the textile operation. The dye jigs were metal vats filled with water-soluble dyes, soaps, and bleaching agents. Fabric was rolled through the jigs to apply dyes, soaps, or bleaching agents. Once the application was complete, the jigs were emptied into the drainage trench. Each jig had a capacity to hold approximately 100 gallons, and approximately 2,000 gallons of liquid were discharged per week from the dye jigs.

J18.1.3 General Dimensions and Structural Description

The unit was a drainage trench constructed of 3-inch-thick concrete and was approximately 1 foot wide through the entire length. It ran from west to east in the middle of the floor in Building No. 2A for approximately 60 feet. It then ran south along the east wall of Building No. 2A for approximately 100 feet. At that point the trench connected to a 4-inch diameter pipe that led to the sanitary sewer. The depth of the trench was approximately 18 inches at the beginning and sloped to a depth of 5 feet at the point of connection to the 4-inch pipe. The trench was covered with a steel grate in some sections and with a solid steel lid in others.

J18.1.4 Dates of Operation

The trench was in operation from approximately 1974 until 2002.

J18.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes managed at this unit included dyes, ammonia, peroxide, phosphates, acetic acid, and phosphates used in the dye jigs in heavily diluted solution. The dyes were water soluble and non-hazardous, although some contained trace amounts (less than 1 percent) of hazardous constituents, such as nitrodiphenylamine (a dispersant). None of the materials was a hazardous waste per RCRA standards.

J18.2 INFORMATION PERTAINING TO RELEASES

Materials were discharged from this unit to the sanitary sewer on a regular basis. During the RFA inspection, wastewater was observed on the concrete around the dye jigs and the drainage trench. No releases other than discharge to the sanitary sewer were observed or reported regarding this unit. The concrete drainage trench appeared to be in good condition, and no migration pathway to the subsurface soils was apparent.

J18.3 SAMPLING AND ANALYSIS DATA

As part of the 1996 RFI, a single wastewater discharge sample was collected from this unit and analyzed for VOCs (AEM, 1997). Acetone (170 µg/L) was the only VOC constituent detected in the sample.

Additionally, no evidence of cracks in the concrete trench was identified in this unit, and therefore no release pathway was present. Therefore, no soil sampling was performed in this unit.

J18.4 SWMU DISPOSITION

No Further Action

J19 SWMU-19, TRASH DUMPSTER (#3)

J19.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J19.1.1 Location

The Trash Dumpster was located directly east of Building No. 3. It is identified as SWMU-19 in Figure J-1.

J19.1.2 Type of Unit

The unit was a single trash dumpster owned and operated by Browning Ferris Industries, Inc.

J19.1.3 General Dimensions and Structural Description

The dumpster was approximately 5.5’ x 5.5’ x 7’ and was situated on concrete pavement.

J19.1.4 Dates of Operation

The unit was in operation from approximately 1976 until 2002.

J19.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes associated with this unit included paper products from facility operations.

J19.2 INFORMATION PERTAINING TO RELEASES

No staining was observed on the concrete adjacent to the dumpster during the RFA inspection.

J19.3 SAMPLING AND ANALYSIS DATA

The RFA inspection indicated that no evidence of releases was present in this unit. Therefore, no soil sampling was performed in this unit.

J19.4 SWMU DISPOSITION

No Further Action

J20 SWMU-20, FORMER DYE WATER EVAPORATION POND

J20.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J20.1.1 Location

The Former Dye Water Evaporation Pond was located north of the drainage area near background well MW-2. It is identified as SWMU-20 in Figure J-1.

J20.1.2 Type of Unit

The unit was a former pond used during the tenure of Piedmont Metals ownership, for wastewater discharges from the dyeing process.

J20.1.3 General Dimensions and Structural Description

The unit was a former pond used during the tenure of Piedmont Metals ownership, for wastewater discharges from the dyeing process.

J20.1.4 Dates of Operation

It was in operation from 1978 until the early 1980s when it was filled and graded with soil from other areas of the property.

J20.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes associated with this unit include wastewater from the dyeing operations.

J20.2 INFORMATION PERTAINING TO RELEASES

No staining was observed in the area of the former pond.

J20.3 SAMPLING AND ANALYSIS DATA

Soil samples were collected and analyzed from this unit in 1996 as part of the RFI (AEM, 1997). Low levels of metals were detected in the soil samples with only one (selenium) at a concentration above background. No VOCs were detected in any of the soil samples from this unit.

J20.4 SWMU DISPOSITION

No Further Action

J21 AOC-1, COMPRESSOR AREA

J21.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J21.1.1 Location

The compressor area is located at the south end of the shed, west of Building No. 6. It is identified as AOC-I in Figure J-1.

J21.1.2 Type of Unit

The compressor generated shop air for the punch presses and "blow offs."

J21.1.3 General Dimensions and Structural Description

The compressor occupied an area of approximately 5' x 5' and was situated on the concrete floor in the shed.

J21.1.4 Dates of Operation

The unit was operated until 2002.

J21.1.5 Description of Wastes That Have Been Managed at the Unit

The only waste associated with this unit was lubrication oil.

J21.2 INFORMATION PERTAINING TO RELEASES

During the RFA inspection, an oil stain was observed around the unit leading to the driveway outside the shed. Additionally, an oil stain was observed on the gravel outside the shed behind the compressor. Stained soil and runoff from the shed indicated a release and the potential for oil to enter the subsurface through infiltration.

J21.3 SAMPLING AND ANALYSIS DATA

Soil sampling was conducted in this unit during the 1996 RFI sampling effort (AEM, 1997). The soil samples were analyzed for lead and for oil and grease. Lead was not detected in the samples. Oil and grease were detected in the samples, ranging from 480 mg/kg to 33,000 mg/kg. A soil removal action was completed in this area in 1997, and confirmation samples showed significantly reduced oil and grease concentrations. No RCRA regulated constituents were identified in this unit.

J21.4 SWMU DISPOSITION

No Further Action

J22 AOC-2, BUILDING #1

J22.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J22.1.1 Location

Building #1 is the large main building located in the center of the facility. It is identified as AOC-2 in Figure J-1.

J22.1.2 Type of Unit

Building #1 was the center of the facility metal-forming, casting, plating, and painting operations.

J22.1.3 General Dimensions and Structural Description

It is a two-story structure with concrete flooring.

J22.1.4 Dates of Operation

The building was operated for manufacturing from approximately 1978 until 2002. It is currently used as a warehouse for new caskets.

J22.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes managed at this unit included motor, hydraulic, and lubricating oils.

J22.2 INFORMATION PERTAINING TO RELEASES

During the visual RFA inspection, several oil spills were observed on the concrete floor around process machinery throughout the building.

J22.3 SAMPLING AND ANALYSIS DATA

Based on the lack of apparent migration pathways, no soil sampling activities were conducted in this AOC.

J22.4 SWMU DISPOSITION

No Further Action

J23 AOC-3, ROLLAIR COMPRESSOR AREA

J23.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J23.1.1 Location

The Rollair Compressor Area was located directly east of Building No. 7. It is identified as AOC-3 in Figure J-1.

J23.1.2 Type of Unit

The compressor was used as a backup source for compressed air.

J23.1.3 General Dimensions and Structural Description

The compressor occupied an area of approximately 4' x 4' and was situated on concrete under an awning cover.

J23.1.4 Dates of Operation

The compressor was in place for approximately 21 years.

J23.1.5 Description of Wastes That Have Been Managed at the Unit

The only waste managed at this unit was lubrication oil.

J23.2 INFORMATION PERTAINING TO RELEASES

During the RFA inspection, oil was observed to be originating at the compressor and following a concrete drainage ditch to a potential sewage collection opening approximately 10 feet north of the compressor.

J23.3 SAMPLING AND ANALYSIS DATA

Soil samples were collected in this area during the 1996 RFI sampling event (AEM, 1997). The samples were analyzed for oil and grease, cyanide, copper, lead, nickel, and zinc. Oil and grease were detected at concentrations ranging from 11 to 330 mg/kg. Cyanide was detected at concentrations ranging from 1 to 7 mg/kg. Copper was detected at concentrations ranging from 240 to 500 mg/kg. Lead was not detected in the soil samples. Nickel was detected at concentrations ranging from 22 to 430 mg/kg. Zinc was detected at concentrations ranging from 180 to 330 mg/kg. Additional soil and groundwater sampling was completed during the 1999 Phase II RFI, which confirmed initial soil results and identified groundwater impact. Although the presence of cyanide, nickel, zinc, and copper in soil was identified and delineated during these investigations, the Risk Assessment included in the 1999 Phase II RFI (AEM, 1999a) indicated that the reported concentrations of these constituents did not pose an unacceptable exposure risk.

J23.4 SWMU DISPOSITION

No Further Action

J24 AOC-4, POSSIBLE INVESTIGATIVE WASTE AREA

J24.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J24.1.1 Location

This area was located near the facility's northern fence, behind (north of) Building No. 1. It is identified as AOC-4 in Figure J-1.

J24.1.2 Type of Unit

The area comprised several piles of greenish-grey material.

J24.1.3 General Dimensions and Structural Description

The affected area was approximately 5' x 20'.

J24.1.4 Dates of Operation

Unknown.

J24.1.5 Description of Wastes That Have Been Managed at the Unit

Unknown.

J24.2 INFORMATION PERTAINING TO RELEASES

Runoff from the piles was observed migrating toward SWMU-15 (Runoff Area).

J24.3 SAMPLING AND ANALYSIS DATA

Soil sampling activities were conducted during the Verification Investigation in 1995 (AEM, 1996). The results of this investigation indicate that no regulated constituents were detected above background concentrations.

J24.4 SWMU DISPOSITION

No Further Action

J25 AOC-5, STAINED SOIL AREA

J25.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J25.1.1 Location

The Stained Soil Area was located in a clearing behind (north of) SWMU-15 (Runoff Area). It is identified as AOC-5 in Figure J-1.

J25.1.2 Type of Unit

The unit consisted of several areas of surface soil staining where no vegetation was observed to be growing.

J25.1.3 General Dimensions and Structural Description

One stain was approximately 40' x 20', and another was approximately 10 feet in diameter.

J25.1.4 Dates of Operation

Unknown.

J25.1.5 Description of Wastes That Have Been Managed at the Unit

Unknown.

J25.2 INFORMATION PERTAINING TO RELEASES

The releases consisted of the stained areas described above.

J25.3 SAMPLING AND ANALYSIS DATA

Soil sampling activities were conducted during the Verification Investigations in 1995 (AEM, 1996). The results of this investigation indicate that no regulated constituents were detected above background concentrations.

J25.4 SWMU DISPOSITION

No Further Action

J26 AOC-6, VOC GROUNDWATER PLUME #1

J26.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J26.1.1 Location

This unit is located to the south of Building No. 1. It is identified as AOC-6 in Figure J-1.

J26.1.2 Type of Unit

It is a groundwater plume with historic detections of cis-1,2-dichloroethene (DCE), trichloroethene (TCE), and tetrachloroethene (PCE).

J26.1.3 General Dimensions and Structural Description

Unknown.

J26.1.4 Dates of Operation

Unknown.

J26.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes managed at the unit include DCE, TCE, and PCE.

J26.2 INFORMATION PERTAINING TO RELEASES

No information is known concerning the relative date, type, quantity, specific location, or nature of the release(s). As discussed below, no impacted soil has been detected within the vicinity of AOC-6 and only low levels of VOCs remain in groundwater at the site. A summary of the historical groundwater data collected between 1997 and 2014 is included in Tables J-2 and J-3.

DCE, TCE, and/or PCE have been detected in one or more residuum and/or bedrock monitoring wells. The low levels of VOCs detected in groundwater at AOC-6 from the late 1990s were initially attributed to SWMU-9 (see Section J9); however, no VOC-impacted soil was detected at this SWMU (AEM, 1997; 1999a). The October 1996 soil boring sample locations for SWMU-9 are depicted in Figure J-2.

Between February 2012 and March 2014, additional VOC source area and plume delineation activities were conducted on site near Building No. 6 (AEM, 2012a; 2013a; 2014a). A low-level TCE plume is delineated within the residuum near Building No. 6, suggesting an additional minor source area; however, as before, no VOC-impacted soil was identified on site (AEM, 2014a). Groundwater sample locations for the May 2013 and March 2014 assessment efforts as well as March 2014 soil sample points are depicted in Figure J-3.

As a result of the detected constituents in groundwater in 1997, an Interim Corrective Action Plan for AOC-6 (AEM 1999b) was submitted to Georgia EPD in October 1999 and was subsequently incorporated into the modified Permit as the Modification to the Part B Permit Application for Post-Closure Care, Volume V, Groundwater Corrective Action Program Area of Concern No. 6 (see Attachment E-1). The groundwater corrective action program (CAP) for AOC-6 (AEM, 2000) was approved by EPD on October 13, 2000, and subsequently implemented (see Section I). The corrective action involves the use of a groundwater recovery (pump and treat) system and ISCO injections to remediate impacted groundwater, semiannual groundwater sampling of the well network to monitor the effectiveness of the corrective

action system, and the operation/maintenance of the associated water treatment system. Several of the monitoring wells are included in both the regulated unit well network and the AOC-6 network.

In September 2019 Matthews met the requirements of Sections III.E.7 and III.H.2 of the Hazardous Waste Facility Permit [pursuant to 40 CFR 264.100(f)], by remediating the chlorinated volatile organic compound (VOC) plume at AOC-6. Thus, a Hazardous Waste Facility Permit Modification was submitted to designate that corrective action is complete and no further action is required for AOC-6 and SWMU-9.

J26.3 SAMPLING AND ANALYSIS DATA

Soil and groundwater samples were initially collected during the October 1996 RFI activities (AEM, 1997) and subsequent samples were collected during the 1999 Phase II RFI activities (AEM, 1999a). The 1999 Phase II RFI concluded that corrective action was necessary for this AOC. As part of the CAP, a groundwater recovery and treatment system was installed to intercept and remove impacted groundwater downgradient from this unit. Four bedrock recovery wells, installed within the intermediate bedrock water-bearing zone, are used to recover impacted groundwater, and an on-site treatment system was installed to treat the groundwater prior to discharge to the local sanitary system.

Historical semiannual groundwater data (1997–2014) from the residuum monitoring well and bedrock monitoring and recovery well network are summarized in Tables J-2 and J-3, respectively.

Additional soil and groundwater contaminant delineation was performed at AOC-6 between February 2012 and March 2014 to further define the upgradient extent of the groundwater VOC plume and to possibly determine a source area. Soil and groundwater samples were collected from temporary boring locations within AOC-6, inside Building No.6, and outside to the west and south of Building No. 6. The soil and groundwater sample locations, along with the corresponding groundwater analytical detections for May 2013 and March 2014, are shown on Figure J-3.

In January 2012, residuum monitoring wells TW-09 and TW-10 were installed on site near Building No. 6. Monitoring wells TW-09 and TW-10 were initially sampled on February 2, 2012. Soil samples were collected and field-screened for VOCs, but none were detected, therefore, excluding composite waste disposal soil samples, no soil samples were submitted for laboratory analysis. Low levels of TCE (less than 10 µg/L) were detected in February 2012 from both wells. Groundwater samples were collected from TW-09 and TW-10 in March 2012 and during all subsequent semiannual groundwater monitoring events. Low levels of TCE (less than 10 µg/L) were also detected in March 2012 from both wells. The results of the February and March 2012 assessment activities were presented in the AOC-6 Temporary Well Installation and Monitoring Letter Report (AEM, 2013a, revised), which is provided as Attachment J-1. Historical residuum groundwater analytical data are summarized in Table J-2.

On May 28, 2013, four temporary residuum wells (GW-1, -2, -3, and -4) were installed on site near Building No. 6. Temporary wells GW-1, -2, -3, and -4 were sampled between May 28 and 29, 2013. Soil samples were collected and field-screened for VOCs, but none were detected, and therefore no soil samples were submitted for laboratory analysis. Low levels of TCE (less than 7.0 µg/L) were detected in May 2013 from temporary wells GW-2, -3, and -4. The results of the May 2013 assessment activities were presented in the Letter Report for Installing and Sampling Four Temporary Wells (AEM, 2013b), which is provided as Attachment J-2. Groundwater VOC analytical results are summarized on Table J-2 and Figure J-3.

In March 2014, seven additional temporary wells were installed on site near Building No. 6. Temporary well locations PGW-5, -6, -7, -8, -9, -10, and -11 (see Figure J-3) were sampled on March 20 and 21 of 2014. Soil samples were collected and field-screened for VOCs and at least one soil sample from each boring was submitted for laboratory analysis. With the exception of the suspected laboratory-introduced contaminant, methylene chloride, VOCs were not detected in soil from these locations. Methylene chloride in soil was reported at locations PGW-5 and PGW-8 at concentrations of 0.0148 mg/kg and 0.0167 mg/kg, respectively. Groundwater results are summarized on Figure J-3. The 2014 assessment concluded that there was no evidence of any remaining source area for the AOC-6 groundwater plume. The results of the March 2014 assessment activities were presented in the report AOC-6 Plume Delineation (AEM, 2014a), which is provided as Attachment J-3.

A summary of the most recent (September 2014) semiannual groundwater monitoring data reported to EPD is provided below.

Groundwater samples collected from residuum and bedrock monitoring and bedrock recovery wells at AOC-6 in September 2014 were analyzed for the total list of chlorinated VOCs using EPA Method 8260B (AEM, 2014c). The current VOC analytical results are depicted on Figure J-4 (residuum and shallow bedrock wells) and Figure J-5 (intermediate and deep bedrock wells). The current and historical laboratory analytical results from AOC-6 are summarized in Table J-2 (residuum and shallow bedrock wells) and Table J-3 (intermediate and deep bedrock wells).

In September 2014, TCE was detected in shallow residuum wells TW-04A, -09, and -10 at concentrations ranging up to 12 micrograms per liter (µg/L). TCE was not reported in the AOC-6 bedrock monitoring wells at a concentration exceeding the laboratory detection limit (1.0 µg/L). The MCL for TCE (5.0 µg/L) was exceeded in monitoring wells TW-04A (at 12 µg/L), TW-09 (at 5.3 µg/L), and TW-10 (at 6.5 µg/L).

In September 2014, cis-1,2-DCE was reported in one deep bedrock monitoring well (TWB-15D) at 1.3 µg/L. Recovery well R-01 contained 1.1 µg/L cis-1,2-DCE. No other bedrock water-bearing zone wells contained detectable levels of chlorinated VOCs. No chlorinated VOCs were detected within the bedrock water-bearing zones above their MCLs.

The lateral extent of the TCE chlorinated VOC plume within the residuum at AOC-6 is defined by monitoring wells TW-03A, -05A, -08R, and -15 (see Figure J-4). Significant reductions in VOC concentrations in the residuum and bedrock monitoring wells since the late 1990s are attributed to the corrective action.

The vertical extent of the VOC plume in September 2014 continues to be defined by the intermediate and deep bedrock monitoring wells. Groundwater samples collected from the shallow, intermediate, and deep bedrock monitoring wells contained no chlorinated VOCs exceeding MCLs.

In September 2019 Matthews met the requirements of Sections III.E.7 and III.H.2 of the Hazardous Waste Facility Permit [pursuant to 40 CFR 264.100(f)], by remediating the chlorinated VOC plume at AOC-6. Thus, a Hazardous Waste Facility Permit Modification was submitted to designate that corrective action is complete for AOC-6 and SWMU-9.

J26.4 SWMU DISPOSITION

No Further Action

J27 AOC-7, VOC GROUNDWATER PLUME #2

J27.1 DESCRIPTION OF SOLID WASTE MANAGEMENT UNIT

J27.1.1 Location

This unit is located directly east of Buildings No. 3 and No. 4. It is identified as AOC-7 in Figure J-1.

J27.1.2 Type of Unit

It is a suspected TCE and PCE groundwater plume.

J27.1.3 General Dimensions and Structural Description

Unknown.

J27.1.4 Dates of Operation

Unknown.

J27.1.5 Description of Wastes That Have Been Managed at the Unit

Wastes that may be associated with the unit include TCE and PCE.

J27.2 INFORMATION PERTAINING TO RELEASES

TCE and PCE have been detected in residuum groundwater monitoring wells.

J27.3 SAMPLING AND ANALYSIS DATA

Extensive sampling and analysis have been conducted on the soil and the groundwater associated with this unit during the 1996–1997 RFI activities (AEM, 1997). No soil contamination was identified in this area, and a review of the PCE and TCE groundwater contamination data indicated that the plume may be emanating from an off-site, upgradient source and is migrating onto the York property.

J27.4 SWMU DISPOSITION

No Further Action

J28 REFERENCES

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Tables

Table 2. Disposition of SWMUs and AOCs
Former York Casket Hardware Facility, Lawrenceville, Georgia

SWMU or AOC	40 CFR 264.90(a)2 Regulated Unit?	RFI Complete?	Corrective Action Complete?	No Further Action?	Description
SWMU-1	No	Yes	N/A	Yes	Vacuum Metalizer Area
SWMU-2	No	N/A	N/A	Yes	Waste Oil Storage Area
SWMU-3	No	N/A	N/A	Yes	Outdoor Storage Area #1, NW of Building 6
SWMU-4	No	Yes	Yes	Yes	Plastic Injection Molding Area
SWMU-5	No	N/A	N/A	Yes	FlowCoat/In-Plant Paint Waste Area
SWMU-6	No	N/A	N/A	Yes	Former Scrap Metal Dumpsters
SWMU-7	No	N/A	N/A	Yes	Paint Waste Storage Building
SWMU-8	No	N/A	N/A	Yes	Hazardous Waste Storage Building
SWMU-9	No	Yes	Yes	Yes	Dismantled Paint Waste Storage Building (see AOC-6)
SWMU-10	No	N/A	N/A	Yes	Former Trash Dumpster South of Building 1
SWMU-11	No	N/A	N/A	Yes	Phosphate Process Line Drainage Area
SWMU-12	Yes RU-1	N/A	Yes	No[1]	Electroplating Area
SWMU-13	No	N/A	N/A	Yes	Former Melt Down Booth
SWMU-14	Yes RU-2	N/A	Yes	No[1]	Evaporation Area
SWMU-15	No	Yes	Yes	No[1]	Runoff Area
SWMU-16	No	N/A	N/A	Yes	Former Trash Dumpster Between Buildings 1 and 2
SWMU-17	No	Yes	N/A	Yes	Outdoor Storage Area #2, Building 1/7 - 2 Alleyway
SWMU-18	No	Yes	N/A	Yes	Dye Jig Drainage Trench Area
SWMU-19	No	N/A	N/A	Yes	Former Trash Dumpster East of Building 3
SWMU-20	No	Yes	N/A	Yes	Dye Water Evaporation Pond Area
AOC-1	No	Yes	Yes	Yes	Compressor Area
AOC-2	No	N/A	N/A	Yes	Building 1
AOC-3	No	Yes	N/A	Yes	Rollair Compressor Area
AOC-4	No	N/A	N/A	Yes	Possible Investigative Waste Area
AOC-5	No	N/A	N/A	Yes	Stained Soil Area, North of SWMU-15
AOC-6	No	Yes	Yes	Yes	VOC Groundwater Plume #1, South of Building 1
AOC-7	No	Yes	N/A	Yes	VOC Groundwater Plume #2, East of Buildings 3 and 4

[1.] Corrective action is considered complete as impacted soil has been removed. No Further Action is not considered complete because impacted groundwater must be monitored to verify that it remains on site or disipates to below cheanup standards.

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-02A	<5	<5	<5	<2	BDL	Apr-97
TW-02A	<5	<5	<5	<2	BDL	Jan-99
TW-02A	<5	<5	<5	<2	BDL	Dec-99
TW-02A	<5	<5	<5	<2	BDL	Mar-00
TW-02A	<5	<5	<5	<2	BDL	Jun-00
TW-02A	<5	<5	<5	<2	BDL	Sep-00
TW-02A	<5	<5	<5	<2	BDL	Mar-01
TW-02A	<5	<5	<5	<2	BDL	Aug-01
TW-02A	<5	<5	<5	<2	BDL	Mar-Apr-02
TW-02A	<5	<5	<5	<2	BDL	Aug-Sept-02
TW-02A	<5	<5	<5	<2	BDL	Mar-03
TW-02A	<5	<5	<5	<2	BDL	Jul-03
TW-02A	<5	<5	<5	<2	BDL	Mar-04
TW-02A	<5	<5	<5	<2	BDL	Aug-04
TW-02A	<5	<5	<5	<2	BDL	Mar-05
TW-02A	<5	<5	<5	<2	BDL	Sep-05
TW-02A	<5	<5	<5	<2	BDL	Mar-06
TW-02A	<5	<5	<5	<2	BDL	Sep-06
TW-02A	<5	<5	<5	<2	BDL	Mar-07
TW-02A	<5	<5	<5	<2	BDL	Sep-07
TW-02A	<5	<5	<5	<2	BDL	Mar-08
TW-02A	<5	<5	<5	<2	BDL	Sep-08
TW-02A	<5	<5	<5	<2	BDL	Mar-09
TW-02A	<5	<5	<5	<2	BDL	Sep-09
TW-02A	<5	<5	<5	<2	BDL	Apr-10
TW-02A	<5	<5	<5	<2	BDL	Sep-10
TW-02A	<5	<5	<5	<2	BDL	Mar-11
TW-02A	<5	<5	<5	<2	BDL	Sep-11
TW-02A	<5	<5	<5	<2	BDL	Mar-12
TW-02A	<5	<5	<5	<2	BDL	Sep-12
TW-02A	<5	<5	<5	<2	BDL	Mar-13
TW-02A	<5	<5	<5	<2	BDL	Sep-13
TW-02A	<1	<1	<1	<1	BDL	Mar-14

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-02A	<1	<1	<1	<1	BDL	Sep-14
TW-02A	<1	<1	<1	<1	BDL	Mar-15
TW-02A	<1	<1	<1	<1	BDL	Sep-15
TW-02A	<1	<1	<1	<1	BDL	Mar-16
TW-03A	**8**	**9**	**5**	**5**	**22**	Apr-97
TW-03A	**13**	**14**	<5	<2	**27**	Jan-99
TW-03A	Dry	Dry	Dry	Dry	Dry	Dec-99
TW-03A	Dry	Dry	Dry	Dry	Dry	Mar-00
TW-03A	Dry	Dry	Dry	Dry	Dry	Jun-00
TW-03A	Dry	Dry	Dry	Dry	Dry	Sep-00
TW-03A	Dry	Dry	Dry	Dry	Dry	Mar-01
TW-03A	Dry	Dry	Dry	Dry	Dry	Aug-01
TW-03A	Dry	Dry	Dry	Dry	Dry	Mar-Apr-02
TW-03A	Dry	Dry	Dry	Dry	Dry	Aug-Sept-02
TW-03A	<5	<5	<5	<2	BDL	Mar-03
TW-03A	<5	<5	<5	<2	BDL	Jul-03
TW-03A	<5	<5	<5	<2	BDL	Mar-04
TW-03A	<5	<5	<5	<2	BDL	Aug-04
TW-03A	<5	<5	<5	<2	BDL	Mar-05
TW-03A	<5	<5	<5	<2	BDL	Sep-05
TW-03A	<5	<5	<5	<2	BDL	Mar-06
TW-03A	<5	<5	<5	<2	BDL	Sep-06
TW-03A	<5	<5	<5	<2	BDL	Mar-07
TW-03A	<5	<5	<5	<2	BDL	Aug-07
TW-03A	<5	<5	<5	<2	BDL	Mar-08
TW-03A	<5	<5	<5	<2	BDL	Sep-08
TW-03A	<5	<5	<5	<2	BDL	Mar-09
TW-03A	<5	<5	<5	<2	BDL	Sep-09
TW-03A	<5	<5	<5	<2	BDL	Apr-10
TW-03A	<5	<5	<5	<2	BDL	Sep-10
TW-03A	<5	<5	<5	<2	BDL	Mar-11
TW-03A	<5	<5	<5	<2	BDL	Sep-11
TW-03A	<5	<5	<5	<2	BDL	Mar-12
TW-03A	<5	<5	<5	<2	BDL	Sep-12

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-03A	<5	<5	<5	<2	BDL	Mar-13
TW-03A	<5	<5	<5	<2	BDL	Sep-13
TW-03A	<1	<1	<1	<1	BDL	Mar-14
TW-03A	<1	<1	<1	<1	BDL	Sep-14
TW-03A	<1	**2.2**	<1	<1	**2.2**	Mar-15
TW-03A	<1	**3.2**	<1	<1	**3.2**	Sep-15
TW-03A	<1	**2.9**	<1	<1	**2.9**	Mar-16
TW-03A	<1	**2.7**	<1	<1	**2.7**	Sep-16
TW-03A	<1	**2.9**	<1	<1	**2.9**	Jan-17
TW-03A	<1	**2.4**	<1	<1	**2.4**	Mar-17
TW-03A	<1	**2.6**	<1	<1	**2.6**	Sep-17
TW-03A	<1	**1.6**	<1	<1	**1.6**	Mar-18
TW-03A	<1	<1	<1	<1	BDL	Sep-18
TW-03A	<1	**1.9**	<1	<1	**1.9**	Mar-19
TW-03A	**1.2**	**1.3**	<1	<1	**2.5**	Sep-19
TW-04A	<10	**340**	<10	<10	**340**	Apr-97
TW-04A	Dry	Dry	Dry	Dry	Dry	Jan-99
TW-04A	Dry	Dry	Dry	Dry	Dry	Dec-99
TW-04A	Dry	Dry	Dry	Dry	Dry	Mar-00
TW-04A	Dry	Dry	Dry	Dry	Dry	Jun-00
TW-04A	Dry	Dry	Dry	Dry	Dry	Sep-00
TW-04A	Dry	Dry	Dry	Dry	Dry	Mar-01
TW-04A	Dry	Dry	Dry	Dry	Dry	Aug-01
TW-04A	Dry	Dry	Dry	Dry	Dry	Mar-Apr-02
TW-04A	Dry	Dry	Dry	Dry	Dry	Aug-Sept-02
TW-04A	**5.1**	**16**	<5	**6.9**	**28**	Mar-03
TW-04A	<5	**14**	<5	<2	**14**	Jul-03
TW-04A	<5	**14**	<5	<2	**14**	Mar-04
TW-04A	Dry	Dry	Dry	Dry	Dry	Aug-04
TW-04A	<5	**21**	<5	<2	**21**	Mar-05
TW-04A	Dry	Dry	Dry	Dry	Dry	Sep-05
TW-04A	<5	**19**	<5	<2	**19**	Mar-06
TW-04A	NS	NS	NS	NS	NS	Sep-06
TW-04A	<5	**13**	<5	<2	**13**	Mar-07
TW-04A	<5	**13**	<5	<2	**13**	Aug-07

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-04A	<5	**9.7**	<5	<2	**9.7**	Mar-08
TW-04A	<5	**12**	<5	<2	**12**	Sep-08
TW-04A	<5	**13**	<5	<2	**13**	Mar-09
TW-04A	<5	**14**	<5	<2	**14**	Sep-09
TW-04A	<5	**13**	<5	<2	**13**	Apr-10
TW-04ADUP	<5	**12**	<5	<2	**12**	Apr-10
TW-04A	<5	**14**	<5	<2	**14**	Sep-10
TW-04ADUP	<5	**12**	<5	<2	**12**	Sep-10
TW-04A	<5	**15**	<5	<2	**15**	Mar-11
TW-04ADup	<5	**15**	<5	<2	**15**	Mar-11
TW-04A	<5	**13**	<5	<2	**13**	Sep-11
TW-04ADup	<5	**13**	<5	<2	**13**	Sep-11
TW-04A	<5	**18**	<5	<2	**18**	Mar-12
TW-04ADup	<5	**17**	<5	<2	**17**	Mar-12
TW-04A	<5	**14**	<5	<2	**14**	Sep-12
TW-04ADup	<5	**14**	<5	<2	**14**	Sep-12
TW-04A	<5	**13**	<5	<2	**13**	Mar-13
TW-04ADup	<5	**8**	<5	<2	**8**	Mar-13
TW-04A	<5	**11**	<5	<2	**11**	Sep-13
TW-04ADup	<5	**11**	<5	<2	**11**	Sep-13
TW-04A	<1	**5.8**	<1	<1	**5.8**	Mar-14
TW-04ADup	<1	**7.2**	<1	<1	**7.2**	Mar-14
TW-04A	<1	**12**	<1	<1	**12**	Sep-14
TW-04ADup	<1	**12**	<1	<1	**12**	Sep-14
TW-04A	<1	**7.3**	<1	<1	**7.3**	Mar-15
TW-04ADup	<1	**7.9**	<1	<1	**7.9**	Mar-15
TW-04A	<1	**6.3**	<1	<1	**6.3**	Sep-15
TW-04ADup	<1	**6.0**	<1	<1	**6.0**	Sep-15
TW-04A	<1	<1	<1	<1	<1	Mar-16
TW-04ADup	<1	<1	<1	<1	<1	Mar-16

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-04A	<1	<1	<1	<1	<1	Sep-16
TW-04ADup	<1	<1	<1	<1	<1	Sep-16
TW-04A	<1	<1	<1	<1	<1	Jan-17
TW-04A	<1	<1	<1	<1	<1	Mar-17
TW-04A	<1	<1	<1	<1	<1	Sep-17
TW-04A	<1	<1	<1	<1	<1	Mar-18
TW-04A	<1	**2.6**	<1	<1	**2.6**	Sep-18
TW-04A	<1	**1.4**	<1	<1	**1.4**	Mar-19
TW-04A	<1	<1	<1	<1	<1	Sep-19
TW-04A (Dup)	<1	<1	<1	<1	<1	Sep-19
TW-05A	<5	<5	<5	<2	BDL	Apr-97
TW-05A	<5	<5	<5	<2	BDL	Jan-99
TW-05A	<5	<5	<5	<2	BDL	Dec-99
TW-05A	<5	<5	<5	<2	BDL	Mar-00
TW-05A	<5	<5	<5	<2	BDL	Jun-00
TW-05A	<5	<5	<5	<2	BDL	Sep-00
TW-05A	<5	<5	<5	<2	BDL	Mar-01
TW-05A	<5	<5	<5	<2	BDL	Aug-01
TW-05A	<5	<5	<5	<2	BDL	Mar-Apr-02
TW-05A	<5	<5	<5	<2	BDL	Aug-Sept-02
TW-05A	<5	<5	<5	<2	BDL	Mar-03
TW-05A	<5	<5	<5	<2	BDL	Jul-03
TW-05A	<5	<5	<5	<2	BDL	Mar-04
TW-05A	<5	<5	<5	<2	BDL	Aug-04
TW-05A	<5	<5	<5	<2	BDL	Mar-05
TW-05A	<5	<5	<5	<2	BDL	Sep-05
TW-05A	<5	<5	<5	<2	BDL	Mar-06
TW-05A	<5	<5	<5	<2	BDL	Sep-06
TW-05A	<5	<5	<5	<2	BDL	Mar-07
TW-05A	<5	<5	<5	<2	BDL	Sep-07
TW-05A	<5	<5	<5	<2	BDL	Mar-08
TW-05A	<5	<5	<5	<2	BDL	Sep-08

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-05A	<5	<5	<5	<2	BDL	Mar-09
TW-05A	<5	<5	<5	<2	BDL	Sep-09
TW-05A	<5	<5	<5	<2	BDL	Apr-10
TW-05A	<5	<5	<5	<2	BDL	Sep-10
TW-05A	<5	<5	<5	<2	BDL	Mar-11
TW-05A	<5	<5	<5	<2	BDL	Sep-11
TW-05A	<5	<5	<5	<2	BDL	Mar-12
TW-05A	<5	<5	<5	<2	BDL	Sep-12
TW-05A	<5	<5	<5	<2	BDL	Mar-13
TW-05A	<1	<1	<1	<1	BDL	Sep-13
TW-05A	<1	<1	<1	<1	BDL	Mar-14
TW-05A	<1	<1	<1	<1	BDL	Sep-14
TW-05A	<1	<1	<1	<1	BDL	Mar-15
TW-05A	<1	<1	<1	<1	BDL	Sep-15
TW-05A	<1	<1	<1	<1	BDL	Mar-16
TW-05A	<1	<1	<1	<1	BDL	Sep-16
TW-05A	<1	<1	<1	<1	BDL	Mar-17
TW-05A	<1	<1	<1	<1	BDL	Sep-17
TW-05A	<1	<1	<1	<1	BDL	Mar-18
TW-05A	<1	<1	<1	<1	BDL	Sep-18
TW-05A	<1	<1	<1	<1	BDL	Mar-19
TW-05A	<1	<1	<1	<1	BDL	Sep-19
TW-06A	<5	<5	<5	<2	BDL	Apr-97
TW-06A	<5	<5	<5	<2	BDL	Jan-99
TW-06A	<5	<5	<5	<2	BDL	Dec-99
TW-06A	<5	<5	<5	<2	BDL	Mar-01
TW-06A	<5	<5	<5	<2	BDL	Aug-01
TW-06A	<5	<5	<5	<2	BDL	Mar-Apr-02
TW-06A	<5	<5	<5	<2	BDL	Aug-Sept-02
TW-06A	<5	<5	<5	**2.6**	**2.6**	Mar-03
TW-06A	NA	NA	NA	<2	BDL	May-03
TW-06A	<5	<5	<5	<2	BDL	Jul-03
TW-06A	<5	<5	<5	<2	BDL	Mar-04

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-06A	<5	<5	<5	<2	BDL	Aug-04
TW-06A	<5	<5	<5	<2	BDL	Mar-05
TW-06A	<5	<5	<5	<2	BDL	Sep-05
TW-06A	<5	<5	<5	<2	BDL	Mar-06
TW-06A	<5	<5	<5	<2	BDL	Sep-06
TW-06A	<5	<5	<5	<2	BDL	Mar-07
TW-06A	<5	<5	<5	<2	BDL	Sep-07
TW-06A	<5	<5	<5	<2	BDL	Mar-08
TW-06A	<5	<5	<5	<2	BDL	Sep-08
TW-06A	<5	<5	<5	<2	BDL	Mar-09
TW-06A	<5	<5	<5	<2	BDL	Sep-09
TW-06A	<5	<5	<5	<2	BDL	Mar-10
TW-06A	<5	<5	<5	<2	BDL	Sep-10
TW-06A	<5	<5	<5	<2	BDL	Mar-11
TW-06A	<5	<5	<5	<2	BDL	Sep-11
TW-06A	<5	<5	<5	<2	BDL	Mar-12
TW-06A	<5	<5	<5	<2	BDL	Oct-12
TW-06A	<5	<5	<5	<2	BDL	Mar-13
TW-06A	<5	<5	<5	<2	BDL	Sep-13
TW-06A	<1	<1	<1	<1	BDL	Mar-14
TW-06A	<1	<1	<1	<1	BDL	Sep-14
TW-06A	<1	<1	<1	<1	BDL	Mar-15
TW-06A	<1	<1	<1	<1	BDL	Sep-15
TW-06A	<1	<1	<1	<1	BDL	Mar-16
TW-07A	<5	**5.2**	<5	<2	**5.2**	Jan-99
TW-07A	<5	<5	<5	<2	BDL	Dec-99
TW-07A	<5	<5	<5	<2	BDL	Mar-00
TW-07A	<5	<5	<5	<2	BDL	Jun-00
TW-07A	**5.1**	<5	<5	<2	**5.1**	Sep-00
TW-07A	**5.1**	<5	<5	<2	**5.1**	Sep-00
TW-07A	**5.2**	<5	<5	<2	**5.2**	Mar-01
TW-07A	<5	<5	<5	<2	BDL	Aug-01

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-07A	<5	<5	<5	<2	BDL	Mar-Apr-02
TW-07A	<5	<5	<5	<2	BDL	Aug-Sept-02
TW-07A	<5	<5	<5	**4.2**	**4.2**	Mar-03
TW-07A	NA	NA	NA	<2	BDL	May-03
TW-07A	<5	<5	<5	<2	BDL	Jul-03
TW-07A	<5	<5	<5	<2	BDL	Mar-04
TW-07A	<5	<5	<5	<2	BDL	Aug-04
TW-07A	<5	<5	<5	<2	BDL	Mar-05
TW-07A	<5	<5	<5	<2	BDL	Sep-05
TW-07A	<5	<5	<5	<2	BDL	Mar-06
TW-07A	<5	<5	<5	<2	BDL	Sep-06
TW-07A	<5	<5	<5	<2	BDL	Mar-07
TW-07A	<5	<5	<5	<2	BDL	Sep-07
TW-07A	<5	<5	<5	<2	BDL	Mar-08
TW-07A	<5	<5	<5	<2	BDL	Sep-08
TW-07A	<5	<5	<5	<2	BDL	Mar-09
TW-07A	<5	<5	<5	<2	BDL	Sep-09
TW-07A	<5	<5	<5	<2	BDL	Mar-10
TW-07A	<5	<5	<5	<2	BDL	Sep-10
TW-07A	<5	<5	<5	<2	BDL	Mar-11
TW-07A	<5	<5	<5	<2	BDL	Sep-11
TW-07A	<5	<5	<5	<2	BDL	Mar-12
TW-07A	<5	<5	<5	<2	BDL	Sep-12
TW-07A	<5	<5	<5	<2	BDL	Mar-13
TW-07A	<5	<5	<5	<2	BDL	Sep-13
TW-07A	<1	<1	<1	<1	BDL	Mar-14
TW-07A	<1	<1	<1	<1	BDL	Sep-14
TW-07A	<1	<1	<1	<1	BDL	Mar-15
TW-07A	<1	<1	<1	<1	BDL	Sep-15
TW-07A	<1	<1	<1	<1	BDL	Mar-16
TW-08R	<5	<5	<5	<2	BDL	Mar-01
TW-08R	<5	<5	<5	<2	BDL	Aug-01

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-08R	<5	<5	<5	<2	BDL	Mar-Apr-02
TW-08R	<5	<5	<5	<2	BDL	Aug-Sept-02
TW-08R	<5	<5	<5	<2	BDL	Mar-03
TW-08R	<5	<5	<5	<2	BDL	Jul-03
TW-08R	**10**	<5	<5	**4.8**	BDL	Mar-04
TW-08R	<5	<5	<5	<2	BDL	Aug-04
TW-08R	<5	<5	<5	<2	BDL	Mar-05
TW-08R	<5	<5	<5	<2	BDL	Sep-05
TW-08R	<5	<5	<5	<2	BDL	Mar-06
TW-08R	<5	<5	<5	<2	BDL	Sep-06
TW-08R	<5	<5	<5	<2	BDL	Mar-07
TW-08R	<5	<5	<5	<2	BDL	Sep-07
TW-08R	<5	<5	<5	<2	BDL	Mar-08
TW-08R	<5	<5	<5	<2	BDL	Sep-08
TW-08R	<5	<5	<5	<2	BDL	Mar-09
TW-08R	<5	<5	<5	<2	BDL	Sep-09
TW-08R	<5	<5	<5	<2	BDL	Mar-10
TW-08R	<5	<5	<5	<2	BDL	Sep-10
TW-08R	<5	<5	<5	<2	BDL	Mar-11
TW-08R	<5	<5	<5	<2	BDL	Sep-11
TW-08R	<5	<5	<5	<2	BDL	Mar-12
TW-08R	<5	<5	<5	<2	BDL	Sep-12
TW-08R	<5	<5	<5	<2	BDL	Mar-13
TW-08R	<5	<5	<5	<2	BDL	Sep-13
TW-08R	<1	<1	<1	<1	BDL	Mar-14
TW-08R	<1	<1	<1	<1	BDL	Sep-14
TW-08R	<1	<1	<1	<1	BDL	Mar-15
TW-08R	<1	<1	<1	<1	BDL	Sep-15
TW-08R	<1	<1	<1	<1	BDL	Mar-16
TW-08R	<1	<1	<1	<1	BDL	Sep-16
TW-08R	<1	<1	<1	<1	BDL	Mar-17
TW-08R	<1	<1	<1	<1	BDL	Sep-17

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-08R	<1	<1	<1	<1	BDL	Mar-18
TW-08R	<1	<1	<1	<1	BDL	Sep-18
TW-09	<1	<1	<1	<1	BDL	Mar-19
TW-09	<1	<1	<1	<1	BDL	Sep-19
TW-09	<5	**9.4**	<5	<2	**9.4**	Feb-12
TW-09	<5	**8.7**	<5	<2	**8.7**	Mar-12
TW-09	<5	**7.1**	<5	<2	**7.1**	Oct-12
TW-09	<5	<5	<5	<2	<5	Mar-13
TW-09	<5	**5.9**	<5	<2	**5.9**	Sep-13
TW-09	<1	**4.4**	<1	<1	**4.4**	Mar-14
TW-09	<1	**5.3**	<1	<1	**5.3**	Sep-14
TW-09	<1	**4.3**	<1	<1	**4.3**	Mar-15
TW-09	<1	**5.1**	<1	<1	**5.1**	Sep-15
TW-09	<1	**4.0**	<1	<1	**4.0**	Mar-16
TW-09	<1	<1	<1	<1	<1	Sep-16
TW-09	<1	<1	<1	<1	<1	Jan-17
TW-09	<1	<1	<1	<1	<1	Mar-17
TW-09	<1	<1	<1	<1	<1	Sep-17
TW-09	<1	<1	<1	<1	<1	Mar-18
TW-09	<1	<1	<1	<1	<1	Sep-18
TW-09	<1	<1	<1	<1	<1	Mar-19
TW-09	<1	<1	<1	<1	<1	Sep-19
TW-10	<5	**8.3**	<5	<2	**8.3**	Feb-12
TW-10	<5	**7.6**	<5	<2	**7.6**	Mar-12
TW-10	<5	<5	<5	<2	<5	Oct-12
TW-10	<5	**8.0**	<5	<2	**8.0**	Mar-13
TW-10	<5	**5.0**	<5	<2	**5.0**	Sep-13
TW-10	<1	**4.0**	<1	<1	**4.0**	Mar-14
TW-10	<1	**4.0**	<1	<1	**4.0**	Sep-14
TW-10	<1	**5.3**	<1	<1	**5.3**	Mar-15
TW-10	<1	**5.8**	<1	<1	**5.8**	Sep-15
TW-10	<1	**3.4**	<1	<1	**3.4**	Mar-16
TW-10	<1	**5.0**	<1	<1	**5.0**	Sep-16
TW-10	<1	**4.8**	<1	<1	**4.8**	Jan-17

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-10	<1	**4.6**	<1	<1	**4.6**	Mar-17
TW-10	<1	**4.3**	<1	<1	**4.3**	Sep-17
TW-10	<1	**1.9**	<1	<1	**1.9**	Mar-18
TW-10 (Dup)	<1	**1.9**	<1	<1	**1.9**	Mar-18
TW-10	<1	<1	<1	<1	BDL	Sep-18
TW-10 (DUP)	<1	<1	<1	<1	BDL	Sep-18
TW-10	<1	<1	<1	<1	BDL	Mar-19
TW-10 (DUP)	<1	<1	<1	<1	BDL	Mar-19
TW-10	**1.0**	<1	<1	<1	**1.0**	Sep-19
TW-11	<1	**4.9**	<1	<1	**4.9**	Mar-16
TW-11	<1	**4.6**	<1	<1	**4.6**	Sep-16
TW-11	<1	**4.0**	<1	<1	**4.0**	Jan-17
TW-11	<1	**3.8**	<1	<1	**3.8**	Mar-17
TW-11	<1	**1.3**	<1	<1	**1.3**	Sep-17
TW-11	<1	<1	<1	<1	BDL	Mar-18
TW-11 (Dup)	<1	<1	<1	<1	BDL	Mar-18
TW-11	<1	<1	<1	<1	BDL	Sep-18
TW-11	<1	**2.6**	<1	<1	**2.6**	Mar-19
TW-11	<1	**3.2**	<1	<1	**3.2**	Sep-19
TW-11 (Dup)	<1	**3.4**	<1	<1	**3.4**	Sep-19
TW-15	<5	<5	<5	<2	BDL	Apr-97
TW-15	<5	<5	<5	<2	BDL	Jan-99
TW-15	<5	<5	<5	<2	BDL	Dec-99
TW-15	<5	<5	<5	<2	BDL	Mar-00
TW-15	<5	<5	<5	<2	BDL	Jun-00
TW-15	<5	<5	<5	<2	BDL	Sep-00
TW-15	<5	<5	<5	<2	BDL	Mar-01
TW-15	<5	<5	<5	<2	BDL	Aug-01
TW-15	<5	<5	<5	<2	BDL	Mar-Apr-02
TW-15	<5	<5	<5	<2	BDL	Aug-Sept-02
TW-15	<5	<5	<5	<2	BDL	Mar-03

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-15	<5	<5	<5	<2	BDL	Jul-03
TW-15	<5	<5	<5	<2	BDL	Mar-04
TW-15	<5	<5	<5	<2	BDL	Aug-04
TW-15	<5	<5	<5	<2	BDL	Mar-05
TW-15	<5	<5	<5	<2	BDL	Sep-05
TW-15	<5	<5	<5	<2	BDL	Mar-06
TW-15	<5	<5	<5	<2	BDL	Sep-06
TW-15	<5	<5	<5	<2	BDL	Mar-07
TW-15	<5	<5	<5	<2	BDL	Sep-07
TW-15	<5	<5	<5	<2	BDL	Mar-08
TW-15	<5	<5	<5	<2	BDL	Sep-08
TW-15	<5	<5	<5	<2	BDL	Mar-09
TW-15	<5	<5	<5	<2	BDL	Sep-09
TW-15	<5	<5	<5	<2	BDL	Mar-10
TW-15	<5	<5	<5	<2	BDL	Sep-10
TW-15	<5	<5	<5	<2	BDL	Mar-11
TW-15	<5	<5	<5	<2	BDL	Sep-11
TW-15	<5	<5	<5	<2	BDL	Mar-12
TW-15	<5	<5	<5	<2	BDL	Sep-12
TW-15	<5	<5	<5	<2	BDL	Mar-13
TW-15	<5	<5	<5	<2	BDL	Sep-13
TW-15	<1	<1	<1	<1	BDL	Mar-14
TW-15	<1	<1	<1	<1	BDL	Sep-14
TW-15	<1	<1	<1	<1	BDL	Mar-15
TW-15	<1	<1	<1	<1	BDL	Sep-15
TW-15	<1	<1	<1	<1	BDL	Mar-16
TW-15	<1	<1	<1	<1	BDL	Sep-16
TW-15	<1	<1	<1	<1	BDL	Mar-17
TW-15	<1	<1	<1	<1	BDL	Sep-17
TW-15	<1	<1	<1	<1	BDL	Mar-18
TW-15	<1	<1	<1	<1	BDL	Sep-18
TW-15	<1	<1	<1	<1	BDL	Mar-19
TW-15	<1	<1	<1	<1	BDL	Sep-19

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-15D	**26**	<5	**9**	**9**	**35**	Apr-97
TW-15D	**8.6**	<5	<5	<2	**8.6**	Jan-99
TW-15D	<5	<5	<5	<2	BDL	Dec-99
TW-15D	<5	<5	<5	<2	BDL	Mar-00
TW-15D	<5	<5	<5	<2	BDL	Sep-00
TW-15D	<5	<5	<5	<2	BDL	Mar-01
TW-15D	<5	<5	<5	<2	BDL	Aug-01
TW-15D	<5	<5	<5	<2	BDL	Mar-Apr-02
TW-15D	<5	<5	<5	<2	BDL	Aug-Sept-02
TW-15D	<5	<5	<5	<2	BDL	Mar-03
TW-15D	<5	<5	<5	<2	BDL	Mar-03
TW-15D	<5	<5	<5	<2	BDL	Jul-03
TW-15D	<5	<5	<5	<2	BDL	Mar-04
TW-15D	<5	<5	<5	<2	BDL	Aug-04
TW-15D	<5	<5	<5	<2	BDL	Mar-05
TW-15D	<5	<5	<5	<2	BDL	Sep-05
TW-15D	<5	<5	<5	<2	BDL	Mar-06
TW-15D	<5	<5	<5	<2	BDL	Sep-06
TW-15D	<5	<5	<5	<2	BDL	Mar-07
TW-15D	<5	<5	<5	<2	BDL	Sep-07
TW-15D	<5	<5	<5	<2	BDL	Mar-08
TW-15D	<5	<5	<5	<2	BDL	Sep-08
TW-15D	<5	<5	<5	<2	BDL	Mar-09
TW-15D	<5	<5	<5	<2	BDL	Sep-09
TW-15D	<5	<5	<5	<2	BDL	Mar-10
TW-15D	<5	<5	<5	<2	BDL	Oct-10
TW-15D	<5	<5	<5	<2	BDL	Mar-11
TW-15D	<5	<5	<5	<2	BDL	Sep-11
TW-15D	<5	<5	<5	<2	BDL	Mar-12
TW-15D	<5	<5	<5	<2	BDL	Sep-12
TW-15D	<5	<5	<5	<2	BDL	Mar-13
TW-15D	<5	<5	<5	<2	BDL	Sep-13
TW-15D	<1	<1	<1	<1	BDL	Mar-14
TW-15D	<1	<1	<1	<1	BDL	Sep-14

Table J-2. AOC-6 Area Historical Groundwater Monitoring Results, Residuum Water-Bearing Zone (1997-2019)
York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total VOCs	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride		
TW-15D	<1	<1	<1	<1	BDL	Mar-15
TW-15D	<1	<1	<1	<1	BDL	Sep-15
TW-15D	<1	<1	<1	<1	BDL	Mar-16
TW-15D	<1	<1	<1	<1	BDL	Sep-16
TW-15D	<1	<1	<1	<1	BDL	Mar-17
TW-15D	<1	<1	<1	<1	BDL	Sep-17
TW-15D	<1	<1	<1	<1	BDL	Mar-18
TW-15D	<1	<1	<1	<1	BDL	Sep-18
TW-15D	<1	<1	**1.0**	<1	**1.0**	Mar-19
TW-15D	<1	<1	<1	<1	<1	Sep-19

[1] Only those AOC-6 plume chlorinated VOCs that were detected are shown.

Dup - Dulicate Sample

µg/L - Micrograms per liter

BDL - Below detection limits

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
TW-01A	**48**	**110**	**73**	<2	**231**	S	35	Apr-97
TW-01A	<5	**9.5**	<5	<2	**9.5**	S	35	Jan-99
TW-01A	<5	<5	<5	<2	BRL	S	35	Dec-99
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-00
TW-01A	<5	<5	<5	<2	BRL	S	35	Jun-00
TW-01A	<5	**5.5**	<5	<2	**5.5**	S	35	Sep-00
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-01
TW-01A	<5	<5	<5	<2	BRL	S	35	Aug-01
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-Apr-02
TW-01A	<5	<5	<5	<2	BRL	S	35	Aug-Sept-02
TW-01A	<5	<5	<5	**2.1**	**2.1**	S	35	Mar-03
TW-01A	NA	NA	NA	<2	BRL	S	35	May-03
TW-01A	<5	<5	<5	<2	BRL	S	35	Jul-03
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-04
TW-01A	<5	<5	<5	<2	BRL	S	35	Aug-04
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-05
TW-01A	<5	<5	<5	<2	BRL	S	35	Sep-05
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-06
TW-01A	<5	<5	**5.3**	<2	**5.3**	S	35	Sep-06
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-07
TW-01A	<5	**6.2**	<5	<2	BRL	S	35	Sep-07
TW-01A	<5	**6.3**	<5	<2	BRL	S	35	Sep-07
TW-01A	<5	**5.6**	<5	<2	BRL	S	35	Mar-08
TW-01A	<5	<5	<5	<2	BRL	S	35	Oct-08
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-09
TW-01A	<5	<5	<5	<2	BRL	S	35	Sep-09
TW-01A	<5	<5	<5	<2	BRL	S	35	Apr-10
TW-01A	<5	<5	<5	<2	BRL	S	35	Sep-10
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-11
TW-01A	<5	<5	<5	<2	BRL	S	35	Sep-11
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-12
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-12
TW-01A	<5	<5	<5	<2	BRL	S	35	Mar-13
TW-01A	<5	<5	<5	<2	BRL	S	35	Sep-13
TW-01A	<1	<1	<1	<1	BRL	S	35	Mar-14
TW-01A	<1	<1	<1	<1	BRL	S	35	Sep-14
TW-01A	<1	<1	<1	<1	BRL	S	35	Mar-15
TW-01A	<1	<1	<1	<1	BRL	S	35	Sep-15
TW-01A	<1	<1	<1	<1	BRL	S	35	Mar-16
R-01	**12**	<5	**11**	<1	**23**	I	98-100	Jun-99
R-01	**11**	**14**	**8.8**	<1	**33.8**	I	98-100	Dec-99

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
R-01	**5.8**	**11**	**5.2**	<1	**22**	I	98-100	Mar-00
R-01	<5	**8.9**	<5	<1	**8.9**	I	98-100	Jun-00
R-01	**3.3**	**10**	2.0	<1	**15.3**	I	98-100	Sep-00
R-01	**3**	**12**	**1.4**	<1	**16.4**	I	98-100	Mar-01
R-01	**2.1**	**8.4**	<1	<1	**10.5**	I	98-100	Aug-01
R-01	**2.0**	**6.0**	<1	<1	**8.0**	I	98-100	Mar-Apr-02
R-01 (Dup)	**2.1**	**6.5**	<1	<1	**8.6**	I	98-100	Mar-Apr-02
R-01	**2.5**	**5.8**	<1	<1	**8.3**	I	98-100	Jun-02
R-01	**2.7**	**5.1**	<1	<1	**7.8**	I	98-100	Aug-Sept-02
R-01 (Dup)	**2.7**	**5.1**	<1	<1	**7.8**	I	98-100	Aug-Sept-02
R-01	**2.9**	**4.1**	<1	<1	**7**	I	98-100	Jan-03
R-01	**2.8**	**3.7**	<1	<1	**7.5**	I	98-100	Mar-03
R-01 (Dup)	**2.8**	**3.6**	<1	<1	**7.4**	I	98-100	Mar-03
R-01	**3.3**	**3.1**	<1	<1	**6.4**	I	98-100	Jun-03
R-01	<5	**3.1**	<1	<1	**3.1**	I	98-100	Jul-03
R-01 (Dup)	**3.7**	**3.2**	<1	<1	**6.9**	I	98-100	Jul-03
R-01	**3.5**	**2.0**	<1	<1	**5.5**	I	98-100	Mar-04
R-01 (Dup)	**3.1**	**1.9**	<1	<1	**5**	I	98-100	Mar-04
R-01	**3.3**	<5	<1	<1	**3.3**	I	98-100	Aug-04
R-01 (Dup)	**3.3**	<5	<1	<1	**3.3**	I	98-100	Aug-04
R-01	**2.5**	**1.6**	<1	<1	**4.1**	I	98-100	Dec-04
R-01	**(<1) [4.0]**	(<1) [<1]	(<1) [<1]	(<1) [<1]	**(BDL) [4.0]**	I	98-100	Apr-05
R-01 (Dup)	(<1)	(<1)	(<1)	(<1)	(BDL)	I	98-100	Apr-05
R-01	**3.1**	**1.1**	<1	<1	**4.2**	I	98-100	Sep-05
R-01	**5**	<1	<1	<1	**5.0**	I	98-100	Mar-06
R-01	**3.6**	<1	<1	<1	**3.6**	I	98-100	Sep-06
R-01 (Dup)	**3.1**	<1	<1	<1	**3.1**	I	98-100	Sep-06
R-01	**2.3**	<1	<1	<1	**2.3**	I	98-100	Mar-07
R-01 (Dup)	**2.3**	<1	<1	<1	**2.3**	I	98-100	Mar-07
R-01	**2.4**	**1.4**	<1	<1	**3.8**	I	98-100	Aug-07
R-01	<1	<1	<1	<1	<1	I	98-100	Mar-08
R-01 (Dup)	**3.1**	<1	<1	<1	**3.1**	I	98-100	Mar-08
R-01	**2.0**	<1	<1	<1	**2.0**	I	98-100	Sep-08
R-01 (Dup)	<1	**1.1**	<1	<1	**1.1**	I	98-100	Sep-08
R-01	**1.8**	<1	<1	<1	**1.8**	I	98-100	Mar-09
R-01 (Dup)	**1.7**	<1	<1	<1	**1.7**	I	98-100	Mar-09
R-01	**2.1**	<1	<1	<1	**2.1**	I	98-100	Sep-09
R-01 (Dup)	**1.9**	<1	<1	<1	**1.9**	I	98-100	Sep-09
R-01	<1	<1	<1	<1	BRL	I	98-100	Mar-10
R-01 (Dup)	<1	<1	<1	<1	BRL	I	98-100	Mar-10
R-01	**1.5**	<1	<1	<1	**1.5**	I	98-100	Sep-10
R-01 (Dup)	**1.5**	<1	<1	<1	**1.5**	I	98-100	Sep-10

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
R-01	**1.6**	<1	<1	<1	**1.6**	I	98-100	Mar-11
R-01 (Dup)	**1.3**	<1	<1	<1	**1.3**	I	98-100	Mar-11
R-01	**1.6**	<1	<1	<1	**1.6**	I	98-100	Sep-11
R-01 (Dup)	**1.6**	<1	<1	<1	**1.6**	I	98-100	Sep-11
R-01	**1.0**	<1	<1	<1	**1.0**	I	98-100	Mar-12
R-01 (Dup)	**1.1**	<1	<1	<1	**1.1**	I	98-100	Mar-12
R-01	<1	<1	<1	<1	BRL	I	98-100	Oct-12
R-01 (Dup)	<1	<1	<1	<1	BRL	I	98-100	Oct-12
R-01	<1	<1	<1	<1	BRL	I	98-100	Mar-13
R-01 (Dup)	<1	<1	<1	<1	BRL	I	98-100	Mar-13
R-01	<1	<1	<1	<1	BRL	I	98-100	Sep-13
R-01	**1.1**	<1	<1	<1	**1.1**	I	98-100	Mar-14
R-01 (Dup)	**1.1**	<1	<1	<1	**1.1**	I	98-100	Mar-14
R-01	**1.1**	<1	<1	<1	**1.1**	I	98-100	Sep-14
R-01 (Dup)	**1.1**	<1	<1	<1	**1.1**	I	98-100	Sep-14
R-01	<1	<1	<1	<1	<1	I	98-100	Mar-15
R-01 (Dup)	<1	<1	<1	<1	<1	I	98-100	Mar-15
R-01	<1	<1	<1	<1	<1	I	98-100	Sep-15
R-01	<1	<1	<1	<1	<1	I	98-100	Mar-16
R-01 (Dup)	<1	<1	<1	<1	<1	I	98-100	Mar-16
R-01	<1	<1	<1	<1	<1	I	98-100	Sep-16
R-01	<1	<1	<1	<1	<1	I	98-100	Mar-17
R-01	<1	<1	<1	<1	<1	I	98-100	Sep-17
R-01	<1	<1	<1	<1	<1	I	98-100	Mar-18
R-01	<1	<1	<1	<1	<1	I	98-100	Sep-18
R-01	<1	<1	<1	<1	<1	I	98-100	Mar-19
R-01	<1	<1	<1	<1	<1	I	98-100	Sep-19
R-02	**10**	**66**	<5	<2	**76**	I	90	Jul-99
R-02	<5	**15**	<5	<2	**15**	I	90	Dec-99
R-02	<5	**13**	<5	<2	**13**	I	90	Mar-00
R-02	<1	**9.1**	<1	<1	**9.1**	I	90	Sep-00
R-02	<1	**6.3**	<1	<1	**9.1**	I	90	Mar-01
R-02	<1	**4.6**	<1	<1	**4.6**	I	90	Aug-01
R-02 Dup.	<1	**3.8**	<1	<1	**3.8**	I	90	Aug-01
R-02	<1	<1	<1	<1	BRL	I	90	Mar-Apr-02
R-02	<1	**1.4**	<1	<1	**1.4**	I	90	Jun-02
R-02	<1	**1.3**	<1	<1	**1.3**	I	90	Aug-Sept-02
R-02	**1**	**1.4**	<1	<1	**2.4**	I	90	Jan-03
R-02	**1.7**	**1.5**	<1	<1	**3.2**	I	90	Mar-03

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
R-02	**2.7**	**1.6**	<1	<1	**4.3**	I	90	Mar-03
R-02	**2.7**	**3.9**	<1	<1	**3.2**	I	90	Jul-03
R-02	<1	<1	<1	<1	BRL	I	90	Mar-04
R-02	<1	<1	<1	<1	BRL	I	90	Aug-04
R-02	<1	<1	<1	<1	BRL	I	90	Dec-04
R-02	**(1.3) [2.7]**	**(3.0) [<1]**	(<1) [<1]	(<1) [<1]	**(4.3) [2.7]**	I	90	Apr-05
R-02	<1	<1	<1	<1	BRL	I	90	Sep-05
R-02	<1	<1	<1	<1	BRL	I	90	Sep-06
R-02	**3.2**	<1	<1	<1	**3.2**	I	90	Mar-07
R-02	**2.8**	<1	<1	<1	**2.8**	I	90	Aug-07
R-02 Dup,	**2.4**	**1.3**	<1	<1	**3.7**	I	90	Aug-07
R-02	**2.4**	<1	<1	<1	**2.4**	I	90	Mar-08
R-02	<1	<1	<1	<1	BRL	I	90	Sep-08
R-02	<1	<1	<1	<1	BRL	I	90	Mar-09
R-02	<1	<1	<1	<1	BRL	I	90	Sep-09
R-02	<1	<1	<1	<1	BRL	I	90	Mar-10
R-02	<1	<1	<1	<1	BRL	I	90	Sep-10
R-02	<1	<1	<1	<1	BRL	I	90	Mar-11
R-02	<1	<1	<1	<1	BRL	I	90	Sep-11
R-02	<1	<1	<1	<1	BRL	I	90	Mar-12
R-02	<1	<1	<1	<1	BRL	I	90	Oct-12
R-02	<1	<1	<1	<1	BRL	I	90	Mar-13
R-02	<1	<1	<1	<1	BRL	I	90	Sep-13
R-02	<1	<1	<1	<1	BRL	I	90	Mar-14
R-02	<1	<1	<1	<1	BRL	I	90	Sep-14
R-02	<1	<1	<1	<1	BRL	I	90	Mar-15
R-02	<1	<1	<1	<1	BRL	I	90	Sep-15
R-02 Dup	<1	<1	<1	<1	BRL	I	90	Sep-15
R-02	<1	<1	<1	<1	BRL	I	90	Mar-16
R-02	<1	<1	<1	<1	BRL	I	90	Sep-16
R-02	<1	<1	<1	<1	<1	I	90	Mar-17
R-02	<1	<1	<1	<1	<1	I	90	Sep-17
R-02	<1	<1	<1	<1	BRL	I	90	Mar-18
R-02 Dup	<1	<1	<1	<1	BRL	I	90	Mar-18
R-02	<1	<1	<1	<1	BRL	I	90	Sep-18
R-02 Dup	<1	<1	<1	<1	BRL	I	90	Sep-18
R-02	<1	<1	<1	<1	<1	I	90	Mar-19
R-02	<1	<1	<1	<1	<1	I	90	Sep-19
R-03	**13**	**10**	**7.9**	<2	**30.9**	I	96-101	Jul-99
R-03	<5	<5	<5	<2	BRL	I	96-101	Dec-99

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
R-03	<5	<5	<5	<2	BRL	I	96-101	Mar-00
R-03	<5	<5	<5	<2	BRL	I	96-101	Jun-00
R-03	**1.2**	**1.9**	<1	<1	**3.1**	I	96-101	Sep-00
R-03	**1.8**	**2.5**	<1	<1	**4.3**	I	96-101	Mar-01
R-03	**1.1**	**2.0**	<1	<1	**3.1**	I	96-101	Aug-01
R-03	<1	**2.0**	<1	<1	**2.0**	I	96-101	May-02
R-03	**1.1**	**2.0**	<1	<1	**3.1**	I	96-101	Jun-02
R-03	**1.0**	**1.6**	<1	<1	**2.6**	I	96-101	Aug-Sept-02
R-03	**2.1**	**1.1**	<1	<1	**3.2**	I	96-101	Jan-03
R-03	**2.8**	<1	<1	<1	**2.8**	I	96-101	Mar-03
R-03	**1.3**	**1.2**	<1	<1	**2.5**	I	96-101	Mar-04
R-03	**1.6**	<1	<1	<1	**1.6**	I	96-101	Aug-04
R-03	**1.2**	**1.1**	<1	<1	**2.3**	I	96-101	Dec-04
R-03	**(2.0) [2.1]**	(<1) [<1]	(<1) [<1]	(<1) [<1]	**(2.0) [2.1]**	I	96-101	Apr-05
R-03	**2.0**	<1	<1	<1	**2.0**	I	96-101	Sep-05
R-03	**3.1**	**1.5**	<1	<1	**4.6**	I	96-101	Mar-06
R-03	**1.7**	<1	<1	<1	**1.7**	I	96-101	Sep-06
R-03	**1.2**	<1	<1	<1	**1.2**	I	96-101	Mar-07
R-03	**1.1**	<1	<1	<1	**1.1**	I	96-101	Sep-07
R-03	**1.3**	<1	<1	<1	**1.3**	I	96-101	Mar-08
R-03	<1	<1	<1	<1	BDL	I	96-101	Sep-08
R-03	<1	<1	<1	<1	BDL	I	96-101	Mar-09
R-03	**1.1**	<1	<1	<1	**1.1**	I	96-101	Sep-09
R-03	<1	<1	<1	<1	BDL	I	96-101	Mar-10
R-03	<1	<1	<1	<1	BDL	I	96-101	Sep-10
R-03	<1	<1	<1	<1	BDL	I	96-101	Mar-11
R-03	<1	<1	<1	<1	BDL	I	96-101	Sep-11
R-03	<1	<1	<1	<1	BDL	I	96-101	Mar-12
R-03	<1	<1	<1	<1	BDL	I	96-101	Oct-12
R-03	<1	<1	<1	<1	BDL	I	96-101	Mar-13
R-03	<1	<1	<1	<1	BDL	I	96-101	Sep-13
R-03	<1	<1	<1	<1	BDL	I	96-101	Mar-14
R-03	<1	<1	<1	<1	BDL	I	96-101	Sep-14
R-03	<1	<1	<1	<1	BDL	I	96-101	Mar-15
R-03	<1	<1	<1	<1	BDL	I	96-101	Sep-15
R-03	<1	<1	<1	<1	BDL	I	96-101	Mar-16
R-03	<1	<1	<1	<1	BDL	I	96-101	Sep-16
R-03	<1	<1	<1	<1	BDL	I	96-101	Mar-17
R-03	<1	<1	<1	<1	BDL	I	96-101	Sep-17
R-03	<1	<1	<1	<1	BDL	I	96-101	Mar-18
R-03	<1	<1	<1	<1	BDL	I	96-101	Sep-18
R-03	<1	<1	<1	<1	BDL	I	96-101	Mar-19
R-03	<1	<1	<1	<1	BDL	I	96-101	Sep-19
R-04	**8.4**	**9.6**	<5	<5	**18**	I	89-91	Jul-99
R-04	**6.9**	<5	<5	<5	**6.9**	I	89-91	Dec-99

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
R-04	<5	<5	<5	<5	BRL	I	89-91	Mar-00
R-04	<5	<5	<5	<5	BRL	I	89-91	Jun-00
R-04	1.7	2.0	<1	<1	3.7	I	89-91	Sep-00
R-04	**1.1**	**1.3**	<1	<1	**2.4**	I	89-91	Mar-01
R-04	**1.2**	**1.4**	<1	<1	**2.6**	I	89-91	Aug-01
R-04	<1	**1.0**	<1	<1	**1.0**	I	89-91	Mar-Apr-02
R-04	**1.0**	**1.0**	<1	<1	**2.0**	I	89-91	Jun-02
R-04	<1	<1	<1	<1	BRL	I	89-91	Aug-Sept-02
R-04	<1	<1	<1	<1	BRL	I	89-91	Jan-03
R-04	**1.1**	<1	<1	<1	**1.1**	I	89-91	Mar-03
R-04	**1.1**	<1	<1	<1	**1.1**	I	89-91	Jun-03
R-04	**1.1**	<1	<1	<1	**1.1**	I	89-91	Mar-04
R-04	**1.1**	<1	<1	<1	**1.1**	I	89-91	Aug-04
R-04	<1	<1	<1	<1	BRL	I	89-91	Dec-04
R-04	**(<1) [1.2]**	(<1) [<1]	(<1) [<1]	(<1) [<1]	**(BDL) [1.2]**	I	89-91	Apr-05
R-04	**1.5**	<1	<1	<1	**1.5**	I	89-91	Sep-05
R-04	**3.3**	1.2	<1	<1	**4.5**	I	89-91	Mar-06
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-06
R-04	**2.7**	<1	<1	<1	**2.7**	I	89-91	Mar-07
R-04	**2.2**	<1	<1	<1	**2.2**	I	89-91	Aug-07
R-04	**2.5**	<1	<1	<1	**2.5**	I	89-91	Mar-08
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-08
R-04	**1.1**	<1	<1	<1	**1.1**	I	89-91	Mar-09
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-09
R-04	<1	<1	<1	<1	BRL	I	89-91	Mar-10
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-10
R-04	<1	<1	<1	<1	BRL	I	89-91	Mar-11
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-11
R-04	<1	<1	<1	<1	BRL	I	89-91	Mar-12
R-04	<1	<1	<1	<1	BRL	I	89-91	Oct-12
R-04	<1	<1	<1	<1	BRL	I	89-91	Mar-13
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-13
R-04	<1	<1	<1	<1	BRL	I	89-91	Mar-14
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-14
R-04	<1	<1	<1	<1	BRL	I	89-91	Mar-15
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-15
R-04	<1	<1	<1	<1	BRL	I	89-91	Mar-16
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-16
R-04	<1	<1	<1	<1	BRL	I	89-91	Mar-17

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-17
R-04	<1	<1	<1	<1	BRL	I	89-91	Mar-18
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-18
R-04	<1	<1	<1	<1	BRL	I	89-91	Mar-19
R-04	<1	<1	<1	<1	BRL	I	89-91	Sep-19
TWB-10D	**6.2**	**8.8**	<5	<2	**15.0**	D	96-101	Jul-99
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Dec-99
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-00
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Jun-00
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Sep-00
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-01
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Aug-01
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-Apr-02
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Aug-Sept-02
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-03
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Jul-03
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-04
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Sep-04
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Apr-05
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Sep-05
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-06
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Sep-06
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-07
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Sep-07
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-08
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Sep-08
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-09
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Sep-09
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Apr-10
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Oct-10
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-11
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Sep-11
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-12
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Oct-12
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Mar-13
TWB-10D	<5	<5	<5	<2	BRL	D	96-101	Sep-13
TWB-10D	<1	<1	<1	<1	BRL	D	96-101	Mar-14
TWB-10D	<1	<1	<1	<1	BRL	D	96-101	Sep-14
TWB-10D	<1	<1	<1	<1	BRL	D	96-101	Mar-15
TWB-10D	<1	<1	<1	<1	BRL	D	96-101	Sep-15
TWB-10D	<1	<1	<1	<1	BRL	D	96-101	Mar-16

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Jul-99
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-00
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Sep-00
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-01
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Aug-01
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-Apr-02
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Aug-Sept-02
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-03
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Jul-03
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-04
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Aug-04
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-05
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Sep-05
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-06
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Sep-06
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-07
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Aug-07
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-08
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Sep-08
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-09
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Sep-09
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-10
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Oct-10
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-11
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Sep-11
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-12
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Oct-12
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Mar-13
TWB-11	<5	<5	<5	<2	BRL	I	90-100	Sep-13
TWB-11	<1	<1	<1	<1	BRL	I	90-100	Mar-14
TWB-11	<1	<1	<1	<1	BRL	I	90-100	Sep-14
TWB-11	<1	<1	<1	<1	BRL	I	90-100	Mar-15
TWB-11	<1	<1	<1	<1	BRL	I	90-100	Sep-15
TWB-11	<1	<1	<1	<1	BRL	I	90-100	Mar-16
TWB-12	<5	<5	<5	<2	BRL	I	108-109	Jul-99
TWB-12	<5	<5	<5	<2	BRL	I	108-109	Mar-00
TWB-12	<5	<5	<5	<2	BRL	I	108-109	Sep-00
TWB-12	<5	<5	<5	<2	BRL	I	108-109	Mar-01
TWB-12	<5	<5	<5	<2	BRL	I	108-109	Aug-01
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Mar-Apr-02
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Aug-Sept-02
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Mar-03
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Jul-03

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Mar-04
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Sep-04
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Mar-05
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Sep-05
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Mar-06
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Sep-06
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Mar-07
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Sep-07
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Mar-08
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Sep-08
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Mar-09
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Sep-09
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Apr-10
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Oct-10
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Mar-11
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Sep-11
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Mar-12
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Oct-12
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Mar-13
TWB-12	<5	<5	<5	<2	BRL	I	100-110	Sep-13
TWB-12	<1	<1	<1	<1	BRL	I	100-110	Mar-14
TWB-12	<1	<1	<1	<1	BRL	I	100-110	Sep-14
TWB-12	<1	<1	<1	<1	BRL	I	100-110	Sep-15
TWB-12	<1	<1	<1	<1	BRL	I	100-110	Mar-16
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Mar-00
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Sep-00
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Mar-01
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Aug-01
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Mar-Apr-02
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Aug-Sept-02
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Mar-03
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Jul-03
TWB-13	<5	<5	<5	<2	BDL	I	118-120	Mar-04
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Sep-04
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Mar-05
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Sep-05
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Mar-06
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Sep-06
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Mar-07
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Aug-07
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Mar-08
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Sep-08
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Mar-09

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Sep-09
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Apr-10
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Oct-10
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Mar-11
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Sep-11
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Oct-12
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Mar-13
TWB-13	<5	<5	<5	<2	BRL	I	118-120	Sep-13
TWB-13	<1	<1	<1	<1	BRL	I	118-120	Mar-14
TWB-13	<1	<1	<1	<1	BRL	I	118-120	Sep-14
TWB-13	<1	<1	<1	<1	BRL	I	118-120	Mar-15
TWB-13	<1	<1	**2.2**	< 1	**2.2**	I	118-120	Sep-15
TWB-13	<1	<1	<1	<1	BRL	I	118-120	Mar-16
TWB-13	<1	<1	<1	<1	BRL	I	118-120	Sep-16
TWB-13	<1	<1	<1	<1	BRL	I	118-120	Mar-17
TWB-13	<1	<1	<1	<1	BRL	I	118-120	Sep-17
TWB-13	<1	<1	<1	<1	BRL	I	118-120	Mar-18
TWB-13	<1	<1	<1	<1	BRL	I	118-120	Sep-18
TWB-13	<1	<1	<1	<1	BRL	I	118-120	Mar-19
TWB-13	<1	<1	<1	<1	BRL	I	118-120	Sep-19
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Jul-99
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-00
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Sep-00
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-01
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Aug-01
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-Apr-02
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Aug-Sept-02
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-03
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Jul-03
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-04
TWB-14	`	<5	<5	<2	BRL	S	31-32	Sep-04
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-05
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Sep-05
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-06
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Sep-06
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-07
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Aug-07
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-08
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Sep-08
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-09
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Sep-09
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Apr-10

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Oct-10
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-11
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Sep-11
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-12
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Oct-12
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Mar-13
TWB-14	<5	<5	<5	<2	BRL	S	31-32	Sep-13
TWB-14	<1	<1	<1	<1	BRL	S	31-32	Mar-14
TWB-14	<1	<1	<1	<1	BRL	S	31-32	Sep-14
TWB-14	<1	<1	<1	<1	BRL	S	31-32	Mar-15
TWB-14	<1	<1	<1	<1	BRL	S	31-32	Sep-15
TWB-14	<1	<1	<1	<1	BRL	S	31-32	Mar-16
TWB-15	**30**	**20**	**53**	<2	**103**	I	96-101	Oct-96
TWB-15	**31**	**19**	**37**	<2	**87**	I	96-101	Jul-99
TWB-15	**17**	**10**	**15**	<2	**42**	I	96-101	Dec-99
TWB-15	**9.5**	**6.2**	**12**	<2	**27.7**	I	96-101	Mar-00
TWB-15	**6.1**	<5	**6.2**	<2	**12.3**	I	96-101	Jun-00
TWB-15	**5.9**	<5	<5	<2	**5.9**	I	96-101	Sep-00
TWB-15	**6**	<5	**6.3**	<2	**12.3**	I	96-101	Mar-01
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Aug-01
TWB-15	**5.7**	<5	<5	<2	**5.7**	I	96-101	Mar-Apr-02
TWB-15 (Dup)	**5.7**	<5	<5	<2	**5.7**	I	96-101	Mar-Apr-02
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Aug-Sept-02
TWB-15 (Dup)	<5	<5	<5	<2	BRL	I	96-101	Aug-Sept-02
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Mar-03
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Jul-03
TWB-15 (Dup)	<5	<5	<5	<2	BRL	I	96-101	Jul-03
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Mar-04
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Aug-04
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Mar-05
TWB-15 (Dup)	<5	<5	<5	<2	BRL	I	96-101	Mar-05
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Sep-05
TWB-15	<5	<5	<5	<2	BDL	I	96-101	Mar-06
TWB-15 (Dup)	<5	<5	<5	<2	BRL	I	96-101	Mar-06
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Sep-06
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Mar-07
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Sep-07
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Mar-08
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Sep-08
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Mar-09
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Sep-09
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Mar-10

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Oct-10
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Mar-11
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Sep-11
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Mar-12
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Oct-12
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Mar-13
TWB-15	<5	<5	<5	<2	BRL	I	96-101	Sep-13
TWB-15	**1.2**	<1	<1	**1.2**	**1.2**	I	96-101	Mar-14
TWB-15	<1	<1	<1	<1	BRL	I	96-101	Sep-14
TWB-15	<1	<1	<1	<1	BRL	I	96-101	Mar-15
TWB-15	<1	<1	<1	<1	BRL	I	96-101	Sep-15
TWB-15	<1	<1	<1	<1	BRL	I	96-101	Mar-16
TWB-15	<1	<1	<1	<1	BRL	I	96-101	Sep-16
TWB-15	<1	<1	<1	<1	BRL	I	96-101	Mar-16
TWB-15	<1	<1	<1	<1	BRL	I	96-101	Sep-16
TWB-15	<1	<1	<1	<1	BRL	I	96-101	Mar-17
TWB-15	<1	<1	<1	<1	BRL	I	96-101	Sep-17
TWB-15	**1.0**	<1	<1	<1	**1.0**	I	96-101	Mar-18
TWB-15	<1	<1	<1	<1	BRL	I	96-101	Sep-18
TWB-15	**1.5**	<1	<1	<1	**1.5**	I	96-101	Mar-19
TWB-15	**1.5**	<1	<1	<1	**1.5**	I	96-101	Sep-19
TWB-15D	<5	<5	<5	<2	BRL	D	230	Jul-99
TWB-15D	<5	<5	<5	<2	BRL	D	230	Sep-99
TWB-15D	<5	<5	<5	<2	BRL	D	230	Dec-99
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-00
TWB-15D	<5	<5	<5	<2	BRL	D	230	Jun-00
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-01
TWB-15D	<5	<5	<5	<2	BRL	D	230	Aug-01
TWB-15D	<5	<5	<5	<2	BRL	D	230	May-02
TWB-15D	<5	<5	<5	<2	BRL	D	230	Aug-Sept-02
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-03
TWB-15D (Dup)	<5	<5	<5	<2	BRL	D	230	Mar-03
TWB-15D	<5	<5	<5	<2	BRL	D	230	Jul-03
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-04
TWB-15D (Dup)	<5	<5	<5	<2	BRL	D	230	Mar-04
TWB-15D	<5	<5	<5	<2	BRL	D	230	Aug-04
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-05
TWB-15D	<5	<5	<5	<2	BRL	D	230	Sep-05
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-06
TWB-15D	<5	<5	<5	<2	BRL	D	230	Sep-06
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-07
TWB-15D	<5	<5	<5	<2	BRL	D	230	Sep-07

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-08
TWB-15D	<5	<5	<5	<2	BRL	D	230	Sep-08
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-09
TWB-15D	<5	<5	<5	<2	BRL	D	230	Sep-09
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-10
TWB-15D	<5	<5	<5	<2	BRL	D	230	Sep-10
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-11
TWB-15D	<5	<5	<5	<2	BRL	D	230	Sep-11
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-12
TWB-15D	<5	<5	<5	<2	BRL	D	230	Oct-12
TWB-15D	<5	<5	<5	<2	BRL	D	230	Mar-13
TWB-15D	<5	<5	<5	<2	BRL	D	230	Sep-13
TWB-15D	**1.4**	**1.0**	<1	<1	**2.4**	D	230	Mar-14
TWB-15D	**1.3**	<1	<1	<1	**1.3**	D	230	Sep-14
TWB-15D	<1	<1	<1	<1	BRL	D	230	Mar-15
TWB-15D	<1	<1	<1	<1	BRL	D	230	Sep-15
TWB-15D	<1	<1	<1	<1	BRL	D	230	Mar-16
TWB-15D	<1	<1	<1	<1	BRL	D	230	Sep-16
TWB-15D	<1	<1	<1	<1	BRL	D	230	Mar-17
TWB-15D	<1	<1	<1	<1	BRL	D	230	Sep-17
TWB-15D	<1	<1	<1	<1	BRL	D	230	Mar-18
TWB-15D	<1	<1	<1	<1	BRL	D	230	Sep-18
TWB-15D	**1.4**	<1	<1	<1	**1.4**	D	230	Mar-19
TWB-15D	**1.5**	<1	<1	<1	**1.5**	D	230	Sep-19
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Aug-99
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-00
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Sep-00
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-01
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Aug-01
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-Apr-02
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Aug-Sept-02
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-03
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Jul-03
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-04
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Sep-04
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-05
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Sep-05
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-06
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Sep-06
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-07
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Sep-07
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-08
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Sep-08
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-09
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Sep-09

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Apr-10
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Oct-10
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-11
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Sep-11
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-12
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Oct-12
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Mar-13
TWB-16	<5	<5	<5	<2	BRL	I	59-61	Sep-13
TWB-16	<1	<1	<1	<1	BRL	I	59-61	Mar-14
TWB-16	<1	<1	<1	<1	BRL	I	59-61	Sep-14
TWB-16	<1	<1	<1	<1	BRL	I	59-61	Mar-15
TWB-16	<1	<1	<1	<1	BRL	I	59-61	Sep-15
TWB-16	<1	<1	<1	<1	BRL	I	59-61	Mar-16
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Aug-99
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-00
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Sep-00
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-01
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Aug-01
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-Apr-02
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Aug-Sept-02
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-03
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Jul-03
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-04
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Sep-04
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-05
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Sep-05
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-06
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Sep-06
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-07
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Aug-07
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-08
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Sep-08
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-09
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Sep-09
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Apr-10
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Oct-10
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-11
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Sep-11
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-12
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Oct-12

Table J-3. AOC-6 Area Historical Groundwater Monitoring Results, Bedrock Water-Bearing Zone (1996-2019)

York Casket Hardware and Fabric, Lawrenceville, Georgia

Monitoring Well	Chlorinated VOCs (µg/L)[1]				Total Chlorinated VOCs	Bedrock Zone Monitored[2]	Fracture Depth (feet bls)	Sample Period
	cis-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl Chloride				
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Mar-13
TWB-17	<5	<5	<5	<2	BRL	I	130-140	Sep-13
TWB-17	<1	<1	<1	<1	BRL	I	130-140	Mar-14
TWB-17	<1	<1	<1	<1	BRL	I	130-140	Sep-14
TWB-17	<1	<1	<1	<1	BRL	I	130-140	Mar-15
TWB-17	<1	<1	<1	<1	BRL	I	130-140	Sep-15
TWB-17	<1	<1	<1	<1	BRL	I	130-140	Mar-16

[1] - Only those AOC-6 plume chlorinated VOCs that were detected are shown.

[2] - Bedrock fracture zones (S-Shallow, I - Intermediate, D - Deep)

µg/l - Micrograms per liter

BRL - Below reporting limits

bls - Below land surface

N/A - Not Analyzed

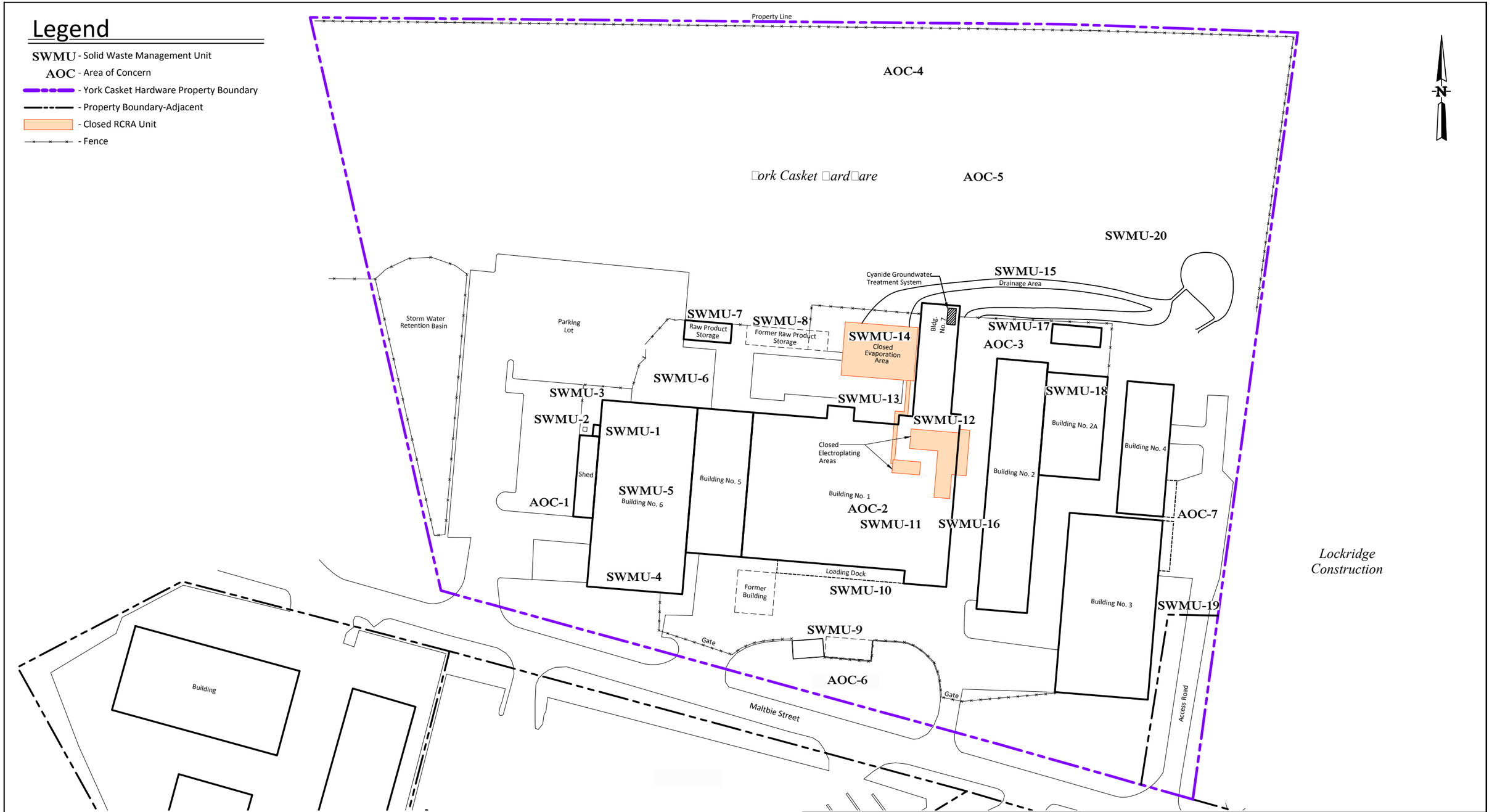
Figures

Legend

SWMU - Solid Waste Management Unit

AOC - Area of Concern

- York Casket Hardware Property Boundary
- Property Boundary-Adjacent
- Closed RCRA Unit
- Fence



Graphic Scale

100 0 50 100 200

1 inch = 100 ft.

AEM

Atlanta Environmental Management, Inc.

Environmental Consulting, Engineering, Hydrogeologic Services

2580 Northeast Expressway • Atlanta, Georgia 30345

Phone: 404.329.9006 • Fax: 404.329.2057

Client: Matthews International Corporation

Project Location: 506 Maltbie Street, Lawrenceville, Georgia

PROJECT #:	0244-1489-1	DRAWN BY:	TL
SCALE:	As Shown	DATE:	March 31, 2015

Location of Solid Waste Management Units (SWMUs)

Figure J-1

G:\DWG\0244-1489 York\01\J\J-01 SWMU Locations

Legend

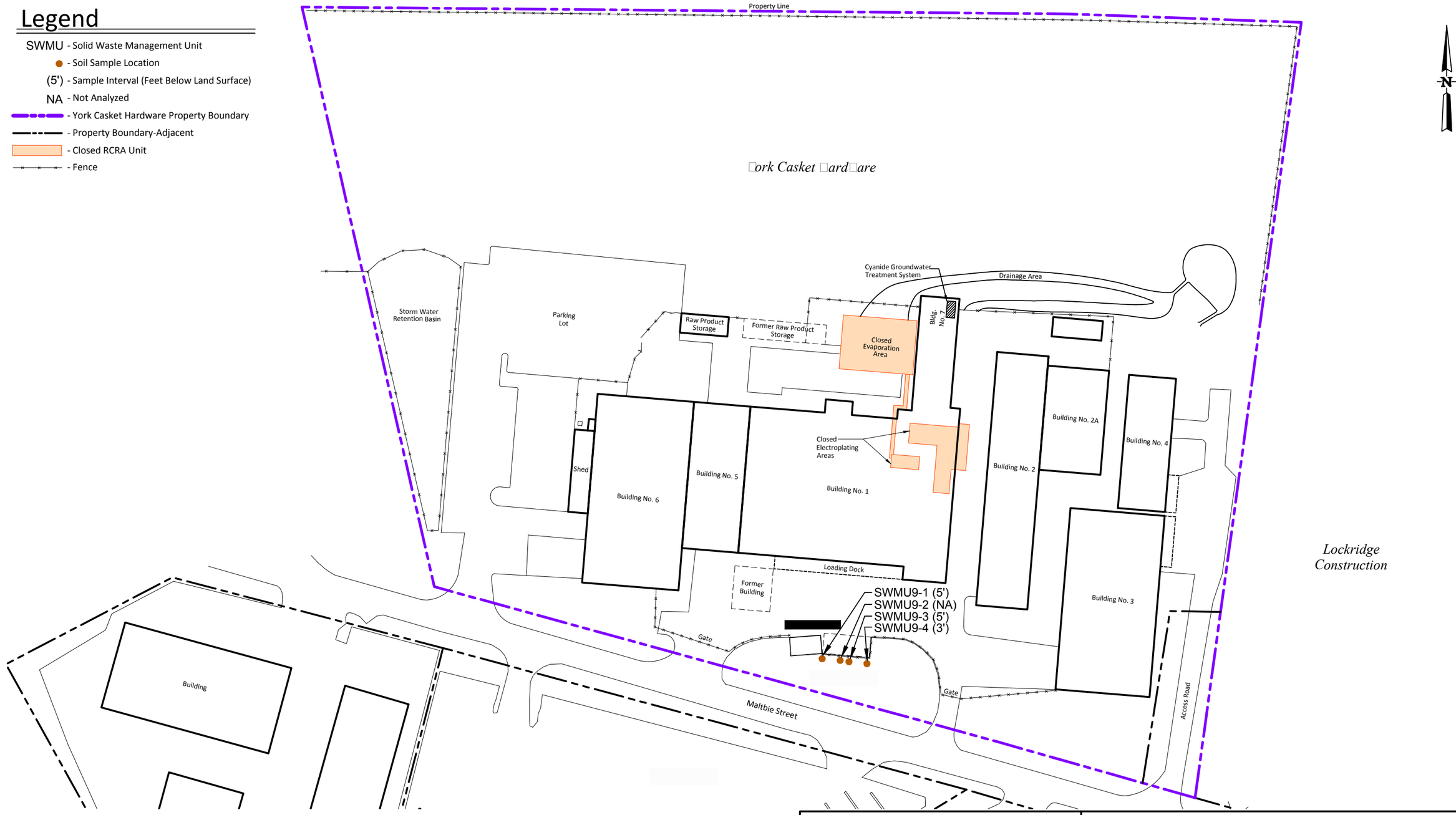
SWMU - Solid Waste Management Unit

● - Soil Sample Location

(5') - Sample Interval (Feet Below Land Surface)

NA - Not Analyzed

- York Casket Hardware Property Boundary
- Property Boundary-Adjacent
- Closed RCRA Unit
- Fence



Graphic Scale

100 0 50 100 200

1 inch = 100 ft.

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Client: Matthews International Corporation
Project Location: 506 Maltbie Street
Lawrenceville, Georgia

SWMU-9 RFI Soil Sample Locations
(October 11, 1996)

Figure
J-2

G:\DWG\0244-1489 York\01\J\J-02 SWMU-9 RFI Samples

Shed
Building No. 6
Building No. 5
Building No. 1
Building No. 2
Building No. 3
Loading Dock
Former Building
Lockridge Construction
Gate
Gate
Maltbie Street
Access Road
SWMU-9
AOC-6
Building
Building
Building
Building
Maltbie Business Park
Shop
Thomas Concrete of Georgia
Retention Pond
Stormwater Retention Pond
One Story Concrete and Metal Storage Building
Concrete
Gravel
Trailer
Gravel Parking Area
Creek
Gravel
Shop
Block - USA Readymix
Grass
Grass
One Story Concrete Building
Gravel
Retention Pond

TWB-13	
cis-1,2-DCE	**1.2**
TCE	<1.00
PCE	<1.00

TWB-13D	
cis-1,2-DCE	**1.4**
TCE	**1.0**
PCE	<1.00

R-02	
cis-1,2-DCE	<1.00
TCE	<1.00
PCE	<1.00

TWB-16	
cis-1,2-DCE	<1.00
TCE	<1.00
PCE	<1.00

TWB-17	
cis-1,2-DCE	<1.00
TCE	<1.00
PCE	<1.00

TWB-12	
cis-1,2-DCE	<1.00
TCE	<1.00
PCE	<1.00

TWB-11	
cis-1,2-DCE	<1.00
TCE	<1.00
PCE	<1.00

R-01	
cis-1,2-DCE	**1.1**
TCE	<1.00
PCE	<1.00

DUP	
cis-1,2-DCE	**(1.1)**
TCE	(<1.00)
PCE	(<1.00)

TWB-14	
cis-1,2-DCE	<1.00
TCE	<1.00
PCE	<1.00

TWB-10D	
cis-1,2-DCE	<1.00
TCE	<1.00
PCE	<1.00

R-03	
cis-1,2-DCE	<1.00
TCE	<1.00
PCE	<1.00

TWB-12	
cis-1,2-DCE	<1.00
TCE	<1.00
PCE	<1.00

Legend

- Intermediate Bedrock Monitoring Well
- Intermediate Bedrock Recovery Well
- Deep Bedrock Monitoring Well
- York Casket Hardware Property Boundary
- Adjacent Property Boundary
- Fence

µg/L - Micrograms per Liter
<1.0 - Below Reporting Limit

September 2013 VOC Concentrations (µg/L)
Duplicate Sample September 2013 VOC Concentrations (µg/L)

cis-1,2-Dichloroethene -	cis-1,2-DCE	<1.0	(<1.0)
Trichloroethene -	TCE	<1.0	(<1.0)
Tetrachloroethene -	PCE	<1.0	(<1.0)

- Detected Concentration
- Concentration Below Reporting Limit

N

Graphic Scale
60 0 30 60 120
1 inch = 60 ft.

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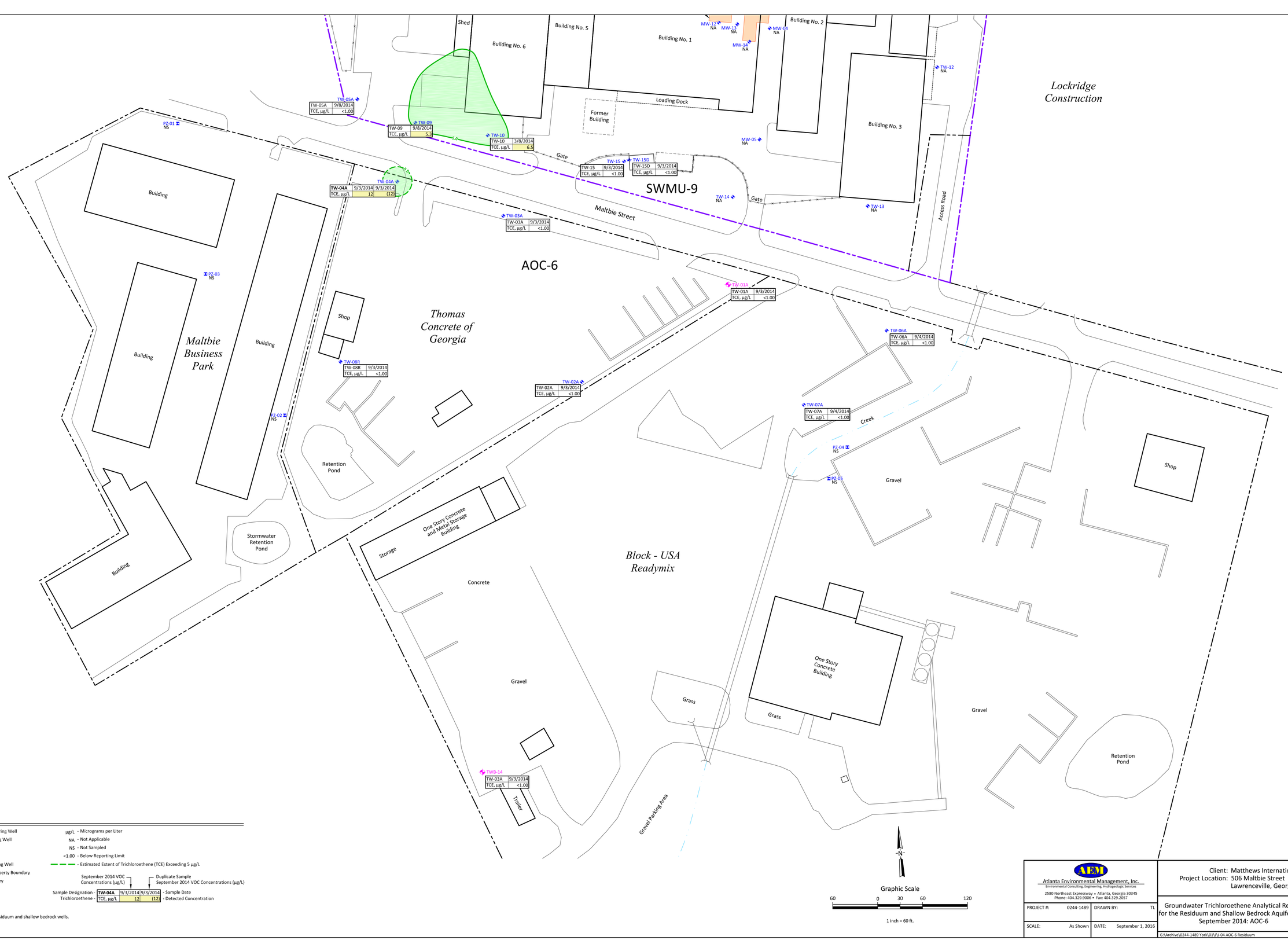
Client: Matthews International Corporation
Project Location: 506 Maltbie Street
Lawrenceville, Georgia

PROJECT #:	0244-1489-1	DRAWN BY:	TL
SCALE:	As Shown	DATE:	March 30, 2015

Groundwater Chlorinated VOC Analytical Results for the Intermediate and Deep Bedrock Aquifer Zone
March 2014: AOC-6

Figure J-3

G:\DWG\0244-1489 York\01\U-03 VOC Bedrock 2014 March



Legend

- Shallow Residuum Monitoring Well
- Deep Residuum Monitoring Well
- Residuum Recovery Well
- Residuum Piezometer
- Shallow Bedrock Monitoring Well
- York Casket Hardware Property Boundary
- Adjacent Property Boundary
- Fence

µg/L - Micrograms per Liter
NA - Not Applicable
NS - Not Sampled
<1.00 - Below Reporting Limit
- Estimated Extent of Trichloroethene (TCE) Exceeding 5 µg/L

Sample Designation - TW-04A | 9/3/2014 | 9/3/2014 | - Sample Date
Trichloroethene - TCE, µg/L | 12 | (12) | - Detected Concentration

September 2014 VOC Concentrations (µg/L)
Duplicate Sample September 2014 VOC Concentrations (µg/L)

Notes:
1. Only Trichloroethene detected in residuum and shallow bedrock wells.

Graphic Scale
60 0 30 60 120
1 inch = 60 ft.

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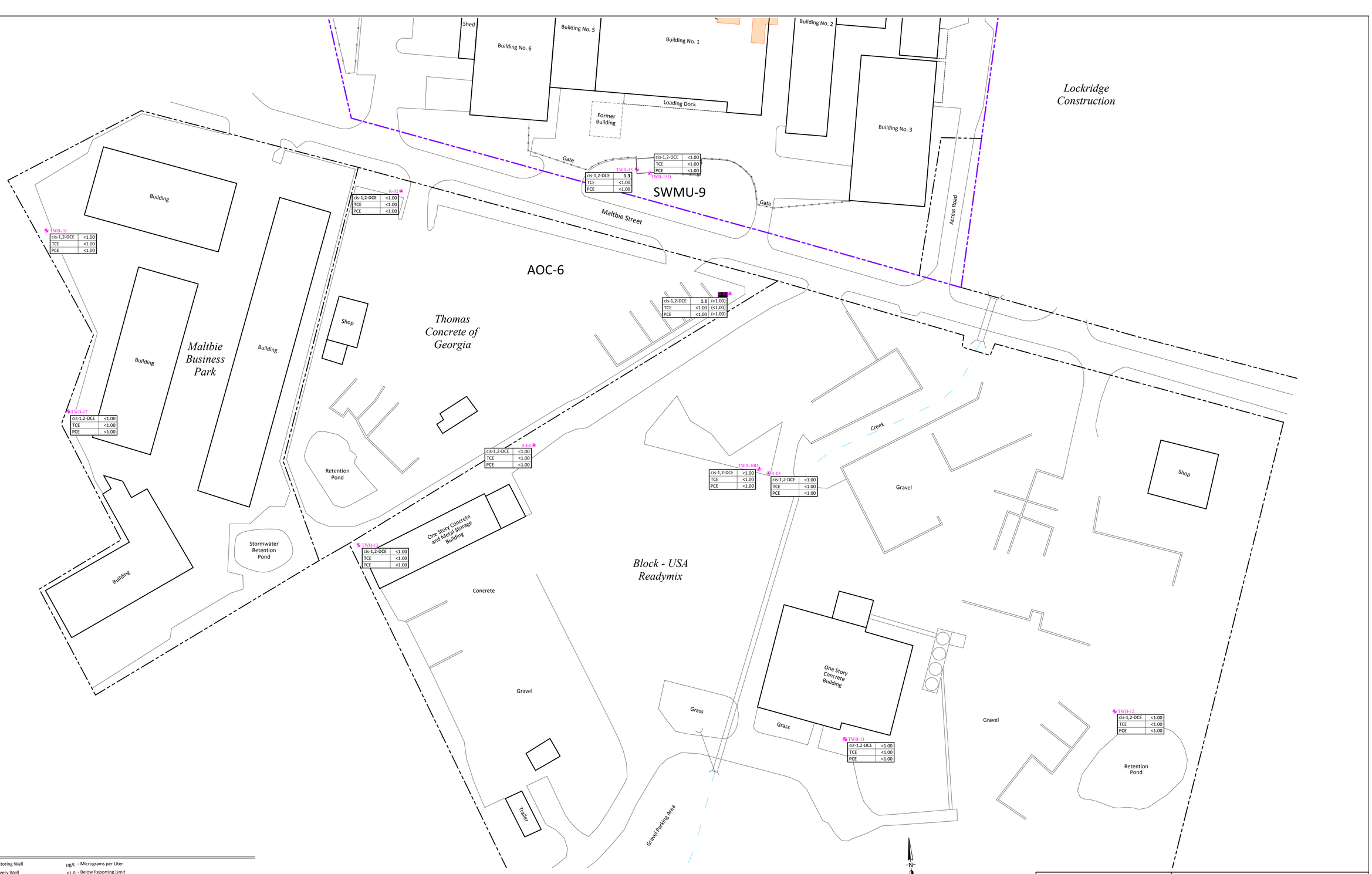
Client: Matthews International Corporation
Project Location: 506 Maltbie Street
Lawrenceville, Georgia

PROJECT #:	0244-1489	DRAWN BY:	TL
SCALE:	As Shown	DATE:	September 1, 2016

Groundwater Trichloroethene Analytical Results for the Residuum and Shallow Bedrock Aquifer Zone September 2014: AOC-6

Figure J-4

G:\Archive\0244-1489 York\01\U-04 AOC-6 Residuum



Legend

- Intermediate Bedrock Monitoring Well
- Intermediate Bedrock Recovery Well
- Deep Bedrock Monitoring Well
- York Casket Hardware Property Boundary
- Adjacent Property Boundary
- Fence

µg/L - Micrograms per Liter

<1.0 - Below Reporting Limit

September 2014 VOC Concentrations (µg/L)

Duplicate Sample September 2014 VOC Concentrations (µg/L)

cis-1,2-Dichloroethene -	cis-1,2-DCE	<1.0	(<1.0)
Trichloroethene -	TCE	<1.0	(<1.0)
Tetrachloroethene -	PCE	<1.0	(<1.0)

- Detected Concentration
- Concentration Below Reporting Limit

AEM
Atlanta Environmental Management, Inc.
Environmental Consulting, Engineering, Hydrogeologic Services
2580 Northeast Expressway • Atlanta, Georgia 30345
Phone: 404.329.9006 • Fax: 404.329.2057

Client: Matthews International Corporation
Project Location: 506 Maltbie Street
Lawrenceville, Georgia

PROJECT #:	0244-1489-1	DRAWN BY:	TL
SCALE:	As Shown	DATE:	March 31, 2015

Groundwater Chlorinated VOC Analytical Results for the Intermediate and Deep Bedrock Aquifer Zone September 2014: AOC-6

G:\DWG\0244-1489 York\01\U-05 VOC Bedrock 2014 Sept

Figure J-5

APPENDIX C
Historical Groundwater Summary Data

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-02**
Installation Date: 6/20/1990
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	NA	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.021**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	**0.012**	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	**0.015**	**0.01**	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	**0.011**	**0.01**
Copper(mg/L)	<0.005	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	**0.010**	**0.020**	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.05	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.01	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc(mg/L)	**0.100**	<0.10	<0.050	<0.050	<0.50	<0.1	<0.05	<0.05	<0.050	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.02	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.02	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.5	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.019**	**0.010**	<0.01	**0.01**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper(mg/L)	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.010	<0.015	<0.01	<0.01	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.050	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	**0.034**	<0.01	<0.01	**0.018**	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	<1.0	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-02**

Installation Date: 6/20/1990

Monitored Zone: Upper Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.050	<0.050	<0.050	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Cobalt(mg/L)	**0.0162**	**0.027**	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Lead(mg/L)	<0.010	<0.010	<0.010	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.00750	<0.500	**0.00784**	<0.0200
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0500	<0.00750	<0.0100
Cobalt(mg/L)	**0.045**	**0.018**	**0.0110**	<0.010	<0.010	<0.010	<0.00750	**0.0262**	**0.0187**	<0.0200
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0500	<0.00750	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.00750	<0.0150	<0.00750	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.00750	<0.0100	<0.00750	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.00750	<0.0100	<0.00750	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0500	<0.00750	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.00750	<0.100	<0.00750	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-02**

Installation Date: 6/20/1990

Monitored Zone: Upper Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Sep 16	Mar 17	Sep 17	Mar 18	Sep 18	Mar 19	Sep 19
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100	**0.0123**	<0.0100	**0.0170**
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	**0.0125**	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0400	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

Sample Date:	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Sep 23	Mar 24	Sep 24
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.020
Chromium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0200	<0.0100	<0.010
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0500	<0.0100	<0.010
Copper(mg/L)	**0.0140**	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0200	<0.0100	<0.010
Lead(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Mercury(mg/L)	<0.00020	-----	<0.00020	<0.00020	<0.0002	<0.00020	<0.0002	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0200	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0400	<0.0400	<0.0100	<0.010
Selenium(mg/L)	<0.0200	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0500	<0.0100	<0.010
Vanadium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0500	<0.0100	<0.010
Zinc(mg/L)	<0.0200	-----	**0.1360**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.020

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-03**
Installation Date: 6/21/1990
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	**0.21**	**0.21**	**0.2**	**0.16**	**0.05**	<0.02	**0.044**	**0.03(0.02)[1]**	**0.030**	<0.020 (<0.020)
Amenable Cyanide(mg/L)	**0.10**	**0.08**	**0.06**	<0.02	<0.02	<0.02	**0.022**	<0.01(<0.01)	**0.030**	<0.020 (<0.020)
Total Metals										
Barium(mg/L)	**0.023**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.50(<0.50)	<0.50	<0.50 (<0.50)
Chromium(mg/L)	<0.05	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05(<0.05)	<0.050	<0.050 (<0.050)
Cobalt(mg/L)	**0.79**	**1.1**	**0.51**	**0.30**	**0.093**	**0.092**	**0.11**	**0.084(0.085)**	**0.078(0.070)**	**0.021 (0.049)**
Copper(mg/L)	**0.007**	**0.05**	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05(<0.05)	<0.050	<0.50 (<0.50)
Lead(mg/L)	<0.005	<0.01	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015(<0.015)	<0.015	<0.015 (<0.015)
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002(<0.002)	<0.0020	<0.0020 (<0.0020)
Nickel(mg/L)	**0.013**	**0.02**	<0.010	**0.017**	<0.010	**0.024**	<0.01	<0.01(<0.01)	<0.010	<0.010 (<0.010)
Selenium(mg/L)	<0.05	**0.03**	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01(<0.01)	<0.010	<0.010 (<0.010)
Vanadium(mg/L)	<0.01	<0.01	<0.010	**0.010**	<0.010	**0.010**	<0.01	<0.01(<0.01)	<0.010	<0.010 (<0.010)
Zinc(mg/L)	**0.15**	**0.12**	**0.056**	**0.24**	**0.061**	**0.27**	<0.05	**0.073(0.067)**	**0.068**	**0.013 (0.090)**

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Jun 02	Aug-Sep 02	Mar 03	July 03	Mar 04
Cyanide										
Total Cyanide(mg/L)	<0.040 (<0.040)	Dry	<0.020 (<0.020)	**0.020**	<0.02 (<0.02)	**0.028**	**0.020**	<0.02 (<0.02)	<0.02 (<0.02)	<0.02 (<0.02)
Amenable Cyanide(mg/L)	<0.040 (<0.040)	Dry	<0.020 (<0.020)	**0.020**	<0.02 (<0.02)	**0.021**	<0.02	<0.02 (<0.02)	<0.02 (<0.02)	<0.02 (<0.02)
Total Metals										
Barium(mg/L)	<0.50 (<0.50)	Dry	<0.50 (<0.50)	<0.50	<0.500 (<0.500)	NA	<0.50	<0.500 (<0.500)	<0.500 (<0.500)	<0.500 (<0.500)
Chromium(mg/L)	<0.050 (<0.050)	Dry	<0.050 (<0.050)	<0.050	<0.050 (<0.050)	NA	<0.050	<0.050 (<0.050)	<0.050 (<0.050)	<0.050 (<0.050)
Cobalt(mg/L)	**0.047 (0.054)**	Dry	0.028 (0.021)	**0.1**	**0.504 (0.468)**	NA	**0.0482**	<0.0100 (<0.0100)	<0.0100 (<0.0100)	<0.0100 (<0.0100)
Copper(mg/L)	<0.050 **(0.073)**	Dry	<0.50 (<0.50)	<0.050	<0.050 (<0.050)	NA	<0.050	<0.050 (<0.050)	<0.050 (<0.050)	<0.050 (<0.050)
Lead(mg/L)	<0.015 (<0.015)	Dry	<0.015 (<0.015)	<0.015	<0.015 (<0.015)	NA	<0.015	<0.015 (<0.015)	<0.015 (<0.015)	<0.015 (<0.015)
Mercury(mg/L)	<0.0020 (<0.0020)	Dry	<0.0020 (<0.0020)	<0.0020	<0.0020 (<0.0020)	NA	<0.0020	<0.0020 (<0.0020)	<0.0020 (<0.0020)	<0.0020 (<0.0020)
Nickel(mg/L)	<0.010 **(0.028)**	Dry	<0.010 (<0.010)	<0.010	<0.010 (<0.010)	NA	<0.010	<0.010 (<0.010)	<0.010 (<0.010)	<0.010 (<0.010)
Selenium(mg/L)	<0.010 (<0.010)	Dry	<0.010 (<0.010)	<0.010	<0.010 (<0.010)	NA	<0.010	<0.010 (<0.010)	<0.010 (<0.010)	<0.010 (<0.010)
Vanadium(mg/L)	**0.019 (0.050)**	Dry	0.016 (0.018)	<0.010	<0.050 (<0.050)	NA	<0.010	<0.050 (<0.050)	<0.050 (<0.050)	<0.050 (<0.050)
Zinc(mg/L)	**0.013 (0.090)**	Dry	<1.0 (<1.0)	<1.0	<0.100 (<0.100)	NA	**0.157**	<0.100 (<0.100)	<0.100 (<0.100)	<0.100 (<0.100)

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-03**
Installation Date: 6/21/1990
Monitored Zone: Upper Residuum

Sample Date:	Aug 04	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.020 (<0.02)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	Dry	<0.02
Amenable Cyanide(mg/L)	<0.02	<0.020 (<0.02)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	Dry	<0.02
Total Metals										
Barium(mg/L)	<0.500	<0.500 (<0.500)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	Dry	<0.500
Chromium(mg/L)	<0.050	<0.0500 (<0.050)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	Dry	<0.050
Cobalt(mg/L)	<0.0100	<0.0100 (<0.0100)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	Dry	<0.0100
Copper(mg/L)	<0.050	<0.0500 (<0.050)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	Dry	<0.050
Lead(mg/L)	<0.015	<0.0150 (<0.015)	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	Dry	<0.015
Mercury(mg/L)	<0.0020	<0.0020 (<0.0020)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	Dry	<0.0020
Nickel(mg/L)	<0.010	<0.0100 (<0.010)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	Dry	<0.010
Selenium(mg/L)	<0.010	<0.0100 (<0.010)	<0.010	<0.010	<0.0100	<0.010	<0.010	<0.010	Dry	<0.010
Vanadium(mg/L)	<0.050	<0.0500 (<0.050)	<0.050	<0.050	<0.0500	<0.050	<0.050	<0.050	Dry	<0.050
Zinc(mg/L)	<0.100	<0.100 (<0.100)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	Dry	<0.100

Sample Date:	Sep 09	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.0200	<0.0200	<0.0200	Dry	<0.0200	Dry	<0.0200
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.0200	<0.0200	<0.0200	Dry	<0.0200	Dry	<0.0200
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	Dry	<0.500	Dry	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	Dry	<0.0500	Dry	<0.0500
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	Dry	<0.0100	Dry	<0.0100
Copper(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	Dry	<0.0500	Dry	<0.0500
Lead(mg/L)	<0.015	<0.015	<0.015	<0.0150	<0.0150	<0.0150	Dry	<0.0150	Dry	<0.0150
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	Dry	<0.00200	Dry	<0.00200
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	Dry	**0.0110**	Dry	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	Dry	<0.0100	Dry	<0.0100
Vanadium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	Dry	<0.0500	Dry	<0.0500
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	Dry	<0.100	Dry	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-03**
Installation Date: 6/21/1990
Monitored Zone: Upper Residuum

Sample Date:	Sep 14	Mar 15	Sep 15	Mar 16	Mar 17	Sep 17	Mar 18	Sep 18	Mar 19	Mar 20
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	Dry	<0.010	Dry	Dry	Dry	NS	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	Dry	<0.010	Dry	Dry	Dry	NS	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	Dry	**0.0228**	Dry	Dry	Dry	NS	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	Dry	<0.0100	Dry	Dry	Dry	NS	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0200	Dry	<0.0100	Dry	Dry	Dry	NS	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	Dry	<0.0100	Dry	Dry	Dry	NS	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	Dry	<0.0100	Dry	Dry	Dry	NS	<0.0100	<0.0100
Mercury(mg/L)	<0.000200	<0.00020	Dry	<0.00020	Dry	Dry	Dry	NS	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0200	Dry	<0.0100	Dry	Dry	Dry	NS	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0200	Dry	<0.0100	Dry	Dry	Dry	NS	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	Dry	<0.0100	Dry	Dry	Dry	NS	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	Dry	<0.0200	Dry	Dry	Dry	NS	<0.0200	<0.0200

Sample Date:	Mar 21	Mar 22	Mar 23	Mar 24
Cyanide				
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010
Total Metals				
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.0002	<0.00020	<0.0002
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	**0.0235**	<0.0200	<0.0200

NS - Not Sampled

[1] - Duplicate Sample

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-04**
Installation Date: 5/5/1994
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99	Mar 00
Cyanide											
Total Cyanide(mg/L)	<0.02	<0.02	<0.01	**0.01**	<0.02	<0.02	**0.052**	**0.02**	<0.020	<0.020	<0.040
Amenable Cyanide(mg/L)	NA	<0.02	<0.01	**0.01**	<0.02	<0.02	**0.035**	**0.02**	<0.020	<0.020	<0.040
Total Metals											
Barium(mg/L)	**0.041**	<0.20	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50
Chromium(mg/L)	<0.01	<0.01	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.026**	**0.02**	**0.028**	**0.025**	**0.013**	**0.016**	**0.018**	<0.01	<0.010	**0.015**	<0.010
Copper(mg/L)	**0.006**	<0.025	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050
Lead(mg/L)	<0.005	**1.7**	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015	<0.010
Mercury(mg/L)	<0.002	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Nickel(mg/L)	**0.015**	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	**0.015**	<0.010
Selenium(mg/L)	<0.05	**0.02**	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010	<0.050
Vanadium(mg/L)	<0.01	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	**0.055**	<0.010
Zinc(mg/L)	**0.068**	<0.10	<0.050	**0.088**	<0.050	**0.12**	<0.05	**0.054**	<0.050	**0.110**	<1.0

Sample Date:	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04	Mar 05	Sep 05
Cyanide											
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.02	**0.026**	<0.02	<0.02	<0.02	<0.02	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.020	<0.020
Total Metals											
Barium(mg/L)	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0500	<0.0500
Cobalt(mg/L)	<0.010	**0.070**	**0.076**	**0.04**	**0.015**	**0.017**	**0.024**	<0.010	<0.010	<0.0100	<0.0100
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0500	<0.0500
Lead(mg/L)	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.0150	<0.0150
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	**0.0021**	**0.0021**
Nickel(mg/L)	<0.010	**0.013**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.0100	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.0100	<0.0100
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0500	<0.0500
Zinc(mg/L)	<1.0	**0.072**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	**0.118**	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-04**
Installation Date: 5/5/1994
Monitored Zone: Upper Residuum

Sample Date:	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09	Mar 09	Sep 09	Mar 10	Sep 10
Cyanide											
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	**0.026 (0.026)** [1]	**0.036**	**0.021**	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	**0.021**	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals											
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.0126**	**0.0257**	**0.0155**	**0.0726**	**0.0460**	**0.061**	**0.038**	**0.061**	**0.022**	**0.022**	**0.016**
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 13	Mar 14	Mar 15	Sep 15	Mar 16
Cyanide											
Total Cyanide(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	Dry	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	Dry	<0.010	<0.010	<0.010
Total Metals											
Barium(mg/L)	<0.500	<0.500	**0.0125**	<0.500	<0.500	<0.500	<0.500	Dry	**0.0234**	<0.0200	<0.0200
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	Dry	**0.0140**	<0.0100	<0.0100
Cobalt(mg/L)	**0.0128**	**0.0237**	**0.0270**	**0.0238**	**0.0334**	**0.0319**	**0.0262**	Dry	**0.0213**	**0.0160**	**0.0148**
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	Dry	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	Dry	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	Dry	<0.000200	<0.00020	<0.00020
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	Dry	<0.0200	<0.0100	<0.0100
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	Dry	<0.0200	<0.0100	<0.0100
Vanadium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	Dry	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.100	<0.100	**0.00867**	<0.100	<0.100	<0.100	<0.100	Dry	<0.0200	<0.0200	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-04**
Installation Date: 5/5/1994
Monitored Zone: Upper Residuum

Sample Date:	Sept 16	Mar 17	Sept 17	Mar 18	Sept 18	Mar 19	Sept 19	Mar 20	Sept 20	Mar 21	Sep 21
Cyanide											
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	**0.019**	<0.010	<0.010	<0.010	<0.010	**0.010**	<0.020
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	**0.019**	<0.010	<0.010	<0.010	<0.010	**0.010**	<0.010
Total Metals											
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	**0.0323**	<0.0200	<0.0200	<0.0200	-----	**0.0298**	<0.0200
Chromium(mg/L)	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	-----	<0.0200	<0.0100
Cobalt(mg/L)	**0.0148**	<0.0500	**0.0158**	**0.0254**	**0.0452**	**0.0239**	**0.0160**	**0.0142**	**0.0446**	<0.0500	**0.0167**
Copper(mg/L)	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	-----	<0.0200	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	-----	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	-----	<0.0002	<0.00020
Nickel(mg/L)	**0.0130**	<0.0400	<0.0100	<0.0100	**0.0334**	**0.0217**	**0.0282**	<0.0100	-----	<0.0400	**0.0238**
Selenium(mg/L)	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	-----	<0.0500	<0.0100
Vanadium(mg/L)	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	-----	<0.0500	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	-----	<0.0200	<0.0200

Observation Well: **MW-04**
Installation Date: 5/5/1994
Monitored Zone: Upper Residuum

Sample Date:	Mar 22	Sep 22	Mar 23	Sep 23	Mar 24	Sep 24
Cyanide						
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals						
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.020
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Mercury(mg/L)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.020

[1] - September 2007 total cyanide resampling results

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-05**
Installation Date: 6/21/1990
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	NA	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.017**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	**0.011**	**0.014**
Copper(mg/L)	<0.005	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	<0.005	<0.01	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.05	**0.02**	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.01	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc(mg/L)	**0.051**	<0.10	<0.050	**0.11**	<0.050	**0.11**	<0.05	<0.05	<0.050	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	**0.062**(<0.040)	Dry	Dry	Dry	Dry	Dry	**0.036**	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	0.062(<0.040)	Dry	Dry	Dry	Dry	Dry	**0.026**	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	Dry	Dry	Dry	Dry	Dry	<0.5	<0.50	<0.50	<0.50
Chromium(mg/L)	<0.050	Dry	Dry	Dry	Dry	Dry	<0.05	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.014**	Dry	Dry	Dry	Dry	Dry	**0.014**	**0.014**	<0.010	**0.0110**
Copper(mg/L)	<0.050	Dry	Dry	Dry	Dry	Dry	<0.05	<0.050	<0.050	<0.050
Lead(mg/L)	<0.015	Dry	Dry	Dry	Dry	Dry	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	Dry	Dry	Dry	Dry	Dry	<0.002	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	Dry	Dry	Dry	Dry	Dry	**0.01**	<0.010	**0.011**	<0.010
Selenium(mg/L)	<0.010	Dry	Dry	Dry	Dry	Dry	<0.01	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	Dry	Dry	Dry	Dry	Dry	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	Dry	Dry	Dry	Dry	Dry	**0.129**	<0.100	**0.177**	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-05**

Installation Date: 6/21/1990

Monitored Zone: Upper Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	**0.020** (<0.020)[1]	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Cobalt(mg/L)	**0.0197**	**0.0201**	**0.0246**	**0.0305**	**0.0322**	**0.0521**	**0.0530**	**0.100**	**0.035**	**0.088**
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Lead(mg/L)	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sept 11	Mar 12	Sept 12	Mar 13	Sept 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	**0.021**	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Amenable Cyanide(mg/L)	**0.021**	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	**0.0234**
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Cobalt(mg/L)	**0.072**	**0.07**	**0.0471**	**0.0507**	**0.0450**	**0.0441**	**0.0521**	**0.0452**	**0.0455**	**0.0253**
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**0.000580**
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Selenium(mg/L)	<0.010	<0.010	**0.0102**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-05**

Installation Date: 6/21/1990

Monitored Zone: Upper Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Sep 16	Mar 17	Sep 17	Mar 18	Sep 18	Mar 19	Sep 19
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	**0.0279**	**0.0401**	**0.0341**	<0.0200	<0.0200	<0.0200	<0.0200	**0.0209**	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	**0.0191**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	**0.0287**	**0.0144**	**0.0190**	**0.0171**	<0.0100	**0.0149**	**0.0249**	**0.0271**	**0.0197**	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	**0.00043**	**0.00046**	**0.00034**	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0100	<0.0100	**0.0142**	<0.0100	<0.0100	<0.0100	**0.0258**	**0.0191**	**0.0134**
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	**0.0158**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	**0.0206**	<0.0200	<0.0200	<0.0200	**0.639**	<0.0200	<0.0200	<0.0200	<0.0200

Sample Date:	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Sep 23	Mar 23	Mar 24
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	-----	<0.0100	**0.0860**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.00020	<0.0002	<0.00020	<0.0002
Nickel(mg/L)	<0.0200	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

1- Resampled Results (April 27, 2008)

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-06**
Installation Date: 5/12/1994
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar- April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	**0.04**	**0.04**	**0.33**	**0.02**	**0.03**	**0.081**	**0.16**	<0.020	<0.020 (<0.020)[1]
Amenable Cyanide(mg/L)	NA	**0.04**	<0.01	<0.02	<0.02	<0.02	<0.02	**0.10**	<0.020	<0.020 (<0.020)
Total Metals										
Barium(mg/L)	**0.21**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50 (<0.50)
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050 (<0.050)
Cobalt(mg/L)	**0.68**	**0.56**	**0.61**	**1.5**	**0.74**	**0.87**	**0.83**	**0.90**	**0.57**	**0.25 (0.24)**
Copper(mg/L)	<0.05	<0.05	<0.050	<0.050	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050 (<0.050)
Lead(mg/L)	**0.051**	<0.01	<0.050	<0.050	**0.005**	<0.05	<0.015	<0.015	<0.015	<0.015 (<0.015)
Mercury(mg/L)	**0.005**	**0.003**	**0.003**	**0.002**	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020 (<0.0020)
Nickel(mg/L)	<0.006	**0.04**	**0.062**	**0.03**	**0.021**	**0.033**	**0.011**	<0.010	<0.010	<0.010 (<0.010)
Selenium(mg/L)	<0.05	**0.01**	<0.010	<0.01	<0.01	**0.010**	<0.01	<0.01	<0.010	<0.010 (<0.010)
Vanadium(mg/L)	<0.01	<0.01	<0.010	<0.010	<0.010	**0.022**	<0.01	<0.01	<0.010	<0.010 (<0.010)
Zinc(mg/L)	**0.11**	<0.10	**0.088**	**0.088**	<1.0	**0.076**	<0.06	<0.05	<1.0	<0.050 (<0.050)

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Jun 02	Aug-Sep 02	Mar 03	July 03	Mar 04
Cyanide										
Total Cyanide(mg/L)	**0.053 (0.053)[1]**	**0.037 (0.030)[1]**	<0.020 (<0.020)	**0.03**	<0.02	**0.033**	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	**0.053 (0.053)**	**0.037 (0.030)**	<0.020 (<0.020)	<0.020	<0.02	**0.023**	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50 (<0.50)	<0.50 (<0.50)	<0.50 (<0.50)	<0.50	<0.500	NA	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050 (<0.050)	<0.050 (<0.050)	<0.050 (<0.050)	<0.050	<0.050	NA	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.19 (0.20)**	**0.17 (0.16)**	**0.13 (0.13)**	**0.10**	**0.112**	NA	**0.131**	**0.08**	<0.010	<0.010
Copper(mg/L)	<0.050 (<0.050)	<0.050 (<0.050)	<0.050 (<0.050)	<0.050	<0.050	NA	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.015 (<0.015)	<0.015 (<0.015)	<0.015 (<0.015)	<0.010	<0.015	NA	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.0020 (<0.0020)	<0.0020 (<0.0020)	<0.0020 (<0.0020)	<0.0020	<0.0020	NA	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010 (<0.010)	<0.010 (<0.010)	<0.010 (<0.010)	<0.010	<0.010	NA	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.010 (<0.010)	<0.010 (<0.010)	<0.010 (<0.010)	<0.010	<0.010	NA	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010 (<0.010)	<0.010 (<0.010)	**0.11 (0.15)**	<0.010	<0.050	NA	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)	<1.0	<0.100	NA	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-06**
Installation Date: 5/12/1994
Monitored Zone: Upper Residuum

Sample Date:	Aug 04	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020 (<0.020)[1]	<0.020	<0.020	<0.020 (<0.020)[1]	<0.020	<0.020 (<0.020)[1]	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.020 (<0.020)	<0.020	<0.020	<0.020 (<0.020)	<0.020	<0.020 (<0.020)	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50 (<0.50)	**0.0522**	<0.50	<0.50 (<0.50)	<0.50	<0.50 (<0.50)	**0.141**	<0.50	<0.50	<0.500
Chromium(mg/L)	<0.050 (<0.050)	<0.0500	<0.0500	<0.050 (<0.050)	<0.0500	<0.050 (<0.050)	<0.0500	<0.0500	<0.0500	<0.050
Cobalt(mg/L)	**0.0242 (0.0258)**	<0.0100	<0.0100	<0.0100 (<0.0100)	**0.031**	**0.0389 (0.0372)**	**0.039**	**0.045**	**0.037**	**0.032**
Copper(mg/L)	<0.050 (<0.050)	<0.0500	<0.0500	<0.050 (<0.050)	<0.0500	<0.050 (<0.050)	<0.0500	<0.0500	<0.0500	<0.050
Lead(mg/L)	<0.015 (<0.015)	<0.0100	<0.0100	<0.015 (<0.015)	<0.0100	<0.015 (<0.015)	<0.0100	<0.0100	<0.0100	<0.015
Mercury(mg/L)	<0.0020 (<0.0020)	<0.0020	<0.0020	<0.0020 (<0.0020)	**0.014 (0.009)[2]**	**0.006 (0.0057)**	**0.0026**	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010 (<0.010)	<0.0100	<0.0100	<0.010 (<0.010)	<0.0100	<0.010 (<0.010)	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.010 (<0.010)	<0.0500	<0.0500	<0.010 (<0.010)	<0.0500	<0.010 (<0.010)	<0.0500	<0.0500	<0.0500	<0.010
Vanadium(mg/L)	<0.010 (<0.010)	<0.0100	<0.0100	<0.0500	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.050
Zinc(mg/L)	<0.100 (<0.100)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.010
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.010
Total Metals										
Barium(mg/L)	<0.500	<0.500	**0.0523**	<0.500	<0.500	<0.500	<0.500	<0.500	**0.0438**	<0.0200
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0100
Cobalt(mg/L)	<0.010	<0.010	**0.0106**	**0.0163**	**0.0181**	**0.0238**	**0.0131**	<0.010	**0.00985**	<0.0200
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.00750	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.00750	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.00750	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	**0.00799**	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-06**
Installation Date: 5/12/1994
Monitored Zone: Upper Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Sep 16	Mar 17	Sep 17	Mar 18	Sep 18	Mar 19	Sep 19
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.018**	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.018**	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	**0.0209**	**0.0389**	**0.0237**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0384**
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0400	<0.0100	<0.0100	**0.0128**	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

Sample Date:	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Sep 23	Mar 24	Sep 24
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	-----	<0.0100	**0.0227**	**0.0252**	<0.0200	<0.0200	<0.0200	<0.0200	<0.020
Chromium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Lead(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Mercury(mg/L)	<0.00020	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0200	-----	<0.0100	**0.0108**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0200	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Zinc(mg/L)	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.020

[1] - Duplicate Sample

[2] - Oct 2, 2006 resampling results

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-07/07R**
Installation Date: 6/4/1997
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	**0.29**	**0.16**	**10.**	**0.50**	**0.50**	**0.05**	**0.10**	**0.20**	**0.1** (<0.020)[1]	Dry
Amenable Cyanide(mg/L)	**0.29**	**0.16**	**2.**	<0.02	**0.06**	<0.02	**0.02**	**0.02**	<0.020 (<0.020)	Dry
Total Metals										Dry
Barium(mg/L)	**0.054**	<0.20	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50 (<0.50)	Dry
Chromium(mg/L)	**0.016**	**0.02**	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050 (<0.050)	Dry
Cobalt(mg/L)	**2.26**	**2.0**	**1.6**	**2.5**	**2.0**	**1.2**	**0.65**	**1.3**	**1.2 (1.1)**	Dry
Copper(mg/L)	<0.005	<0.025	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050 (<0.050)	Dry
Lead(mg/L)	<0.005	**9.7**	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015 (<0.015)	Dry
Mercury(mg/L)	<0.002	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020 (<0.0020)	Dry
Nickel(mg/L)	**0.029**	**0.07**	**0.13**	**0.22**	**0.15**	**0.095**	**0.048**	**0.057**	**0.042 (0.038)**	Dry
Selenium(mg/L)	<0.05	**0.01**	**0.015**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010 (<0.010)	Dry
Vanadium(mg/L)	<0.01	**0.02**	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	0.039 (0.030)	Dry
Zinc(mg/L)	**0.17**	**0.14**	**0.10**	**0.26**	**0.20**	**0.21**	**0.11**	**0.16**	**0.72 (0.88)**	Dry

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Jun 02	Aug-Sep 02	Mar 03	July 03	Mar 04
Cyanide										
Total Cyanide(mg/L)	Dry	Dry	**0.056**	**0.06 (0.06)**	<0.02 (<0.02)	**0.042**	**0.032 (0.020)**	**0.022 (0.026)**	<0.02 (<0.02)	<0.02 (<0.02)
Amenable Cyanide(mg/L)	Dry	Dry	**0.056**	<0.02 (<0.02)	<0.02 (<0.02)	**0.042**	**0.021 (0.022)**	**0.022 (0.026)**	<0.02 (<0.02)	<0.02 (<0.02)
Total Metals	Dry									
Barium(mg/L)	Dry	Dry	<0.5	<0.5 (<0.5)	<0.500 (<0.500)	NA	<0.500 (<0.500)	<0.500 (<0.500)	<0.500 (<0.500)	<0.500 (<0.500)
Chromium(mg/L)	Dry	Dry	<0.05	<0.05 (<0.05)	<0.050 (<0.050)	NA	<0.050 (<0.050)	<0.050 (<0.050)	<0.050 (<0.050)	<0.050 (<0.050)
Cobalt(mg/L)	Dry	Dry	**0.013**	**0.28 (0.27)**	**0.230 (0.225)**	NA	**0.221 (0.218)**	**0.179 (0.175)**	**0.0776 (0.0786)**	**0.0208** (<0.010)
Copper(mg/L)	Dry	Dry	<0.05	<0.05 (<0.05)	<0.050 (<0.050)	NA	<0.050 (<0.050)	<0.050 (<0.050)	<0.050 (<0.050)	<0.050 (<0.050)
Lead(mg/L)	Dry	Dry	<0.05	<0.05 (<0.05)	<0.015 (<0.015)	NA	<0.015 (<0.015)	<0.015 (<0.015)	<0.015 (<0.015)	<0.015 (<0.015)
Mercury(mg/L)	Dry	Dry	<0.002	<0.002 (<0.002)	<0.0020 (<0.0020)	NA	<0.0020 (<0.0020)	<0.0020 (<0.0020)	<0.0020 (<0.0020)	<0.0020 (<0.0020)
Nickel(mg/L)	Dry	Dry	<0.01	<0.01 (**0.013**)	<0.010 (<0.010)	NA	<0.010 (<0.010)	<0.010 (<0.010)	<0.010 (<0.010)	<0.010 (<0.010)
Selenium(mg/L)	Dry	Dry	<0.01	<0.01 (<0.010)	<0.010 (<0.010)	NA	<0.010 (<0.010)	<0.010 (<0.010)	<0.010 (<0.010)	<0.010 (<0.010)
Vanadium(mg/L)	Dry	Dry	**0.015**	**0.014 (0.040)**	<0.050 (<0.050)	NA	<0.050 (<0.050)	<0.050 (<0.050)	<0.050 (<0.050)	<0.050 (<0.050)
Zinc(mg/L)	Dry	Dry	<0.01	<0.01 (<0.010)	<0.100 (<0.100)	NA	<0.100 (<0.100)	<0.100 (<0.100)	<0.100 (<0.100)	<0.100 (<0.100)

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-07/07R**
Installation Date: 6/4/1997
Monitored Zone: Upper Residuum

Sample Date:	Aug 04	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020	**0.11**	<0.020	**0.043 (0.071)**	**0.053**
Amenable Cyanide(mg/L)	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020	**0.095**	<0.020	**0.043 (0.071)**	<0.020
Total Metals										
Barium(mg/L)	<0.500	**0.0888**	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500 (<0.500)	<0.500
Chromium(mg/L)	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 (<0.0500)	<0.0500
Cobalt(mg/L)	**0.0349**	**0.0871**	**0.0120**	**0.0586**	**0.0268**	**0.150 (0.0179)[2]**	**0.392**	**0.255**	**0.190 (0.278)**	**0.120**
Copper(mg/L)	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 (<0.0500)	<0.0500
Lead(mg/L)	<0.015	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100 (<0.0100)	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	**0.0025 (0.0034)[2]**	**0.0026**	**0.0026**	**0.0015 (0.0017)**	<0.0020
Nickel(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100 (<0.0100)	<0.0100
Selenium(mg/L)	<0.010	<0.0500	<0.0500	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100 (<0.0100)	<0.0100
Vanadium(mg/L)	<0.050	<0.0100	<0.0100	<0.0100	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 (<0.0500)	<0.0500
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Sep 09	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14
Cyanide										
Total Cyanide(mg/L)	**0.036**	**0.046**	<0.020	<0.0200	<0.0200	<0.0200	Dry	<0.0200	Dry	<0.0200
Amenable Cyanide(mg/L)	**0.036**	NA	<0.020	<0.0200	<0.0200	<0.0200	Dry	<0.0200	Dry	<0.0200
Total Metals									Dry	
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	Dry	**0.0156**	Dry	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	Dry	<0.00750	Dry	<0.0500
Cobalt(mg/L)	**0.108**	**0.131**	<0.010	**0.0133**	**0.0302**	**0.0677**	Dry	**0.0314**	Dry	<0.010
Copper(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	Dry	<0.00750	Dry	<0.0500
Lead(mg/L)	<0.015	<0.015	<0.015	<0.0150	<0.0150	<0.0150	Dry	<0.00750	Dry	<0.0150
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	Dry	<0.00750	Dry	<0.00200
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	Dry	<0.00750	Dry	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	Dry	<0.00750	Dry	<0.0100
Vanadium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	Dry	<0.00750	Dry	<0.0500
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	Dry	<0.00750	Dry	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-07/07R**
Installation Date: 6/4/1997
Monitored Zone: Upper Residuum

Sample Date:	Sep 14	Mar 15	Sep 15	Mar 16	Sept 16	Mar 17	Sept 17	Mar 18	Sept 18	Mar 19
Cyanide										
Total Cyanide(mg/L)	<0.0100	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.0100	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	**0.0355**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0200	**0.0218**	**0.0102**	**0.0103**	**0.0137**	**0.0107**	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.000200	<0.00020	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Nickel(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	**0.0100**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0283**	<0.0200	<0.0200	<0.0200

Sample Date:	Sep 19	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Sep 23	Mar 24
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.000200	<0.000200	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0400	<0.0100	<0.0100
Selenium(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-07/07R**
Installation Date: 6/4/1997
Monitored Zone: Upper Residuum

Sample Date:	Sep 24
Cyanide	
Total Cyanide(mg/L)	<0.010
Amenable Cyanide(mg/L)	<0.010
Total Metals	
Barium(mg/L)	<0.020
Chromium(mg/L)	<0.010
Cobalt(mg/L)	<0.010
Copper(mg/L)	<0.010
Lead(mg/L)	<0.010
Mercury(mg/L)	<0.0002
Nickel(mg/L)	<0.010
Selenium(mg/L)	<0.010
Vanadium(mg/L)	<0.010
Zinc(mg/L)	<0.020

Note: MW-07 (Installed 6/20/1990) Replaced by MW-07R 6/4/1997

[1] - Duplicate Sample

[2] - April 18, 2007 resampling results

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-08**

Installation Date: 8/2/1994

Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	NA	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.046**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.5
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.05
Cobalt(mg/L)	**0.016**	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.01
Copper(mg/L)	**0.017**	<0.05	<0.050	<0.050	<0.050	<0.05	**0.36**	<0.05	<0.050	<0.050
Lead(mg/L)	**0.007**	<0.01	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.01
Selenium(mg/L)	<0.05	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01
Vanadium(mg/L)	**0.021**	**0.02**	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.01
Zinc(mg/L)	**0.092**	<0.10	**0.071**	**0.16**	<0.050	**0.059**	**0.063**	<0.05	<0.050	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Jun 02	Aug-Sep 02	Mar 03	July 03	Mar 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.058	**0.044**	**0.03**	<0.02	**0.143**	**0.18 (0.13)**[1]	**0.15**	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.058	**0.044**	<0.058	<0.02	**0.077**	**0.052 (0.044)**	NA	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50 (<0.50)	<0.50	<0.50	<0.50
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	NA	<0.050 (<0.050)	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	NA	<0.010 (<0.010)	**0.011**	<0.010	<0.010
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	NA	<0.050 (<0.050)	<0.050	<0.050	<0.050
Lead(mg/L)	<0.010	<0.015	<0.015	<0.015	<0.015	NA	<0.015 (<0.015)	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020 (<0.0020)	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	NA	<0.010 (<0.010)	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.050	<0.010	<0.010	<0.010	<0.010	NA	<0.010 (<0.010)	<0.010	<0.010	<0.010
Vanadium(mg/L)	**0.022**	<0.010	<0.010	<0.010	<0.050	NA	<0.050 (<0.050)	<0.010	<0.050	<0.050
Zinc(mg/L)	<1.0	<1.0	<1.0	<1.0	<0.100	NA	<0.100 (<0.100)	<1.0	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-08**

Installation Date: 8/2/1994

Monitored Zone: Upper Residuum

Sample Date:	Aug 04	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	**0.025**	**0.039**
Amenable Cyanide(mg/L)	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	**0.025**	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Cobalt(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.020	<0.0500	<0.0500	<0.0500
Lead(mg/L)	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Sep 09	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14
Cyanide										
Total Cyanide(mg/L)	**0.024**	<0.020	<0.020	<0.0200	**0.0205**	<0.0200	<0.020	<0.0200	<0.020	<0.0200
Amenable Cyanide(mg/L)	**0.024**	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.020	<0.0200	<0.020	<0.0200
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	**0.0163**	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.050	<0.0500	<0.050	<0.0500
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	**0.0129**	<0.0100	**0.0129**	<0.0100
Copper(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.050	<0.0500	<0.050	<0.0500
Lead(mg/L)	<0.015	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.015	<0.0150	<0.015	<0.0150
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.010	<0.0100	<0.010	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.010	<0.0100	<0.010	<0.0100
Vanadium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.050	<0.0500	<0.0500	<0.0500
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	**0.0105**	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-08**

Installation Date: 8/2/1994

Monitored Zone: Upper Residuum

Sample Date:	Sep 14	Mar 15	Sep 15	Mar 16	Sept 16	Mar 17	Sept 17	Mar 18	Sept 18	Mar 19
Cyanide										
Total Cyanide(mg/L)	**0.011**	**0.014**	<0.0200	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.0100	**0.014**	<0.0100	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0500	<0.0176	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.000200	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0400	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0359**	**0.0375**	<0.0200

Sample Date:	Sep 19	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Sep 23	Mar 24
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	-----	<0.0100	<0.0100	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.000200	<0.000200	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0200	<0.0200	-----	<0.0100	**0.0130**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0200	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0532**	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-08**

Installation Date: 8/2/1994

Monitored Zone: Upper Residuum

Sample Date:	Sep 24
Cyanide	
Total Cyanide(mg/L)	<0.010
Amenable Cyanide(mg/L)	<0.010
Total Metals	
Barium(mg/L)	<0.020
Chromium(mg/L)	<0.010
Cobalt(mg/L)	<0.010
Copper(mg/L)	<0.010
Lead(mg/L)	<0.010
Mercury(mg/L)	<0.0002
Nickel(mg/L)	<0.010
Selenium(mg/L)	<0.010
Vanadium(mg/L)	<0.010
Zinc(mg/L)	<0.020

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-09**

Installation Date: 6/21/1990

Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.020	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	NA	<0.01	<0.01	<0.02	<0.02	<0.02	<0.020	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.059**	<0.50	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	<0.050	<0.05	<0.050	<0.05	<0.050	<0.050
Cobalt(mg/L)	**0.016**	**0.02**	**0.013**	<0.010	<0.010	**0.013**	<0.010	**0.011**	**0.011**	**0.025**
Copper(mg/L)	<0.005	<0.05	<0.050	<0.050	<0.050	<0.05	<0.050	<0.05	<0.050	<0.050
Lead(mg/L)	<0.005	**0.013**	<0.050	<0.050	<0.015	<0.05	<0.050	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.002	<0.0020	<0.0020
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.010	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.05	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.01	<0.01	<0.010	<0.010	<0.010	<0.01	<0.010	<0.01	<0.010	<0.010
Zinc(mg/L)	**0.063**	**0.13**	<0.010	**0.10**	**0.13**	<0.1	**0.10**	<0.05	<0.050	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	May 02	Aug-Sep 02	Mar 03	July 03	Mar 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.020	<0.040	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.020	<0.040	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.01	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.017**	**0.034**	**0.016**	<0.010	<0.010	<0.010	**0.0104**	**0.0370**	**0.0354**	**0.0255**
Copper(mg/L)	<0.050	<0.005	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.015	**0.018**	<0.015	<0.010	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	NA	<0.0020	<0.002	<0.002	<0.002	<0.002
Nickel(mg/L)	<0.010	<0.006	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.010	<0.05	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	**0.060**	<0.010	<0.010	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	**0.063**	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-09**
Installation Date: 6/21/1990
Monitored Zone: Upper Residuum

Sample Date:	Aug 04	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	NA	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.01	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Cobalt(mg/L)	**0.0103**	**0.0210**	**0.0185**	**0.0107**	**0.0146**	<0.010	**0.015**	<0.010	<0.010	**0.0108**
Copper(mg/L)	<0.005	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Lead(mg/L)	<0.005	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Mercury(mg/L)	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	**0.0572**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.01	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Sep 09	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Cobalt(mg/L)	<0.010	**0.087**	<0.010	**0.0142**	<0.010	<0.010	<0.010	<0.010	<0.010	**0.0111**
Copper(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Lead(mg/L)	<0.015	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.010	**0.0113**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-09**

Installation Date: 6/21/1990

Monitored Zone: Upper Residuum

Sample Date:	Sep 14	Mar 15	Sep 15	Mar 16
Cyanide				
Total Cyanide(mg/L)	<0.0100	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.0100	<0.010	<0.010	<0.010
Total Metals				
Barium(mg/L)	<0.0200	**0.0242**	<0.0200	**0.0323**
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0200	<0.0100	**0.0262**
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.000200	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200

Note: Last Sampled in March 2016

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-10**

Installation Date: 5/10/1994

Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	NA	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.022**	<0.50	<0.050	<0.050	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	**0.10**	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	>0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Copper(mg/L)	**0.006**	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	<0.005	**0.031**	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	**0.009**	<0.01	<0.010	<0.010	**0.12**	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.05	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.01	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	**0.038**	<0.010
Zinc(mg/L)	**0.083**	<0.10	**0.30**	**0.074**	<0.50	<0.1	<0.05	<0.05	**0.056**	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	Dry	<0.020	<0.020	<0.02	Dry	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	Dry	<0.020	<0.020	<0.02	Dry	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	Dry	<0.50	<0.50	<0.500	Dry	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	Dry	<0.05	<0.05	<0.050	Dry	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	Dry	<0.01	<0.01	<0.010	Dry	<0.010	**0.011**	<0.010	<0.010
Copper(mg/L)	<0.050	Dry	<0.05	<0.05	<0.050	Dry	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.010	Dry	<0.01	<0.01	<0.015	Dry	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	Dry	<0.002	<0.002	<0.0020	Dry	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	Dry	<0.01	<0.01	<0.010	Dry	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.050	Dry	<0.01	<0.01	<0.010	Dry	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	Dry	<0.01	<0.01	<0.050	Dry	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	Dry	<1.0	<1.0	<0.100	Dry	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-10**

Installation Date: 5/10/1994

Monitored Zone: Upper Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	Dry	Dry	Dry	Dry	Dry
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.020	<0.020	Dry	Dry	Dry	Dry	Dry
Total Metals										
Barium(mg/L)	<0.0500	<0.0500	<0.0500	<0.500	<0.500	Dry	Dry	Dry	Dry	Dry
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	Dry	Dry	Dry	Dry	Dry
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	Dry	Dry	Dry	Dry	Dry
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	Dry	Dry	Dry	Dry	Dry
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0150	<0.0150	Dry	Dry	Dry	Dry	Dry
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	Dry	Dry	Dry	Dry	Dry
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	Dry	Dry	Dry	Dry	Dry
Selenium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0100	<0.0100	Dry	Dry	Dry	Dry	Dry
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0500	<0.0500	Dry	Dry	Dry	Dry	Dry
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	Dry	Dry	Dry	Dry	Dry

Sample Date:	Sep 09	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14
Cyanide										
Total Cyanide(mg/L)	Dry	<0.020	<0.020	<0.0200	Dry	<0.0200	Dry	Dry	Dry	<0.0200
Amenable Cyanide(mg/L)	Dry	<0.020	<0.020	<0.0200	Dry	<0.0200	Dry	Dry	Dry	<0.0200
Total Metals										
Barium(mg/L)	Dry	<0.500	<0.500	<0.500	Dry	<0.500	Dry	Dry	Dry	**0.0244**
Chromium(mg/L)	Dry	<0.050	<0.050	<0.0500	Dry	<0.0500	Dry	Dry	Dry	<0.00750
Cobalt(mg/L)	Dry	<0.010	<0.010	<0.0100	Dry	<0.0100	Dry	Dry	Dry	<0.00750
Copper(mg/L)	Dry	<0.050	<0.050	<0.0500	Dry	<0.0500	Dry	Dry	Dry	<0.00750
Lead(mg/L)	Dry	<0.015	<0.015	<0.0150	Dry	<0.0150	Dry	Dry	Dry	<0.00750
Mercury(mg/L)	Dry	<0.0020	<0.0020	<0.0020	Dry	<0.00200	Dry	Dry	Dry	<0.00200
Nickel(mg/L)	Dry	<0.010	<0.010	<0.0100	Dry	<0.0100	Dry	Dry	Dry	<0.00750
Selenium(mg/L)	Dry	<0.010	<0.010	<0.0100	Dry	<0.0100	Dry	Dry	Dry	<0.00750
Vanadium(mg/L)	Dry	<0.050	<0.050	<0.0500	Dry	<0.0500	Dry	Dry	Dry	<0.00750
Zinc(mg/L)	Dry	<0.100	<0.100	<0.100	Dry	<0.100	Dry	Dry	Dry	<0.00750

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-10**

Installation Date: 5/10/1994

Monitored Zone: Upper Residuum

Sample Date:	Sep 14	Mar 15	Sep 15	Mar 16	Sep 16	Mar 17	Sep 17	Mar 18	Sep 18	Mar 19
Cyanide										
Total Cyanide(mg/L)	Dry	Dry	Dry	<0.0100	Dry	Dry	Dry	Dry	Dry	<0.010
Amenable Cyanide(mg/L)	Dry	Dry	Dry	<0.0100	Dry	Dry	Dry	Dry	Dry	<0.010
Total Metals										
Barium(mg/L)	Dry	Dry	Dry	<0.0200	Dry	Dry	Dry	Dry	Dry	<0.0200
Chromium(mg/L)	Dry	Dry	Dry	<0.0100	Dry	Dry	Dry	Dry	Dry	<0.0100
Cobalt(mg/L)	Dry	Dry	Dry	<0.0100	Dry	Dry	Dry	Dry	Dry	<0.0100
Copper(mg/L)	Dry	Dry	Dry	<0.0100	Dry	Dry	Dry	Dry	Dry	<0.0100
Lead(mg/L)	Dry	Dry	Dry	<0.0100	Dry	Dry	Dry	Dry	Dry	<0.0100
Mercury(mg/L)	Dry	Dry	Dry	<0.00020	Dry	Dry	Dry	Dry	Dry	<0.00020
Nickel(mg/L)	Dry	Dry	Dry	<0.0100	Dry	Dry	Dry	Dry	Dry	<0.0100
Selenium(mg/L)	Dry	Dry	Dry	<0.0100	Dry	Dry	Dry	Dry	Dry	<0.0100
Vanadium(mg/L)	Dry	Dry	Dry	<0.0100	Dry	Dry	Dry	Dry	Dry	<0.0100
Zinc(mg/L)	Dry	Dry	Dry	<0.0200	Dry	Dry	Dry	Dry	Dry	<0.0200

Sample Date:	Sep 19	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Sep 23	Mar 24
Cyanide										
Total Cyanide(mg/L)	<0.0100	<0.0100	<0.010	<0.010	<0.010	<0.010	Dry	<0.010	Dry	Dry
Amenable Cyanide(mg/L)	<0.0100	<0.0100	<0.010	<0.010	<0.010	<0.010	Dry	<0.010	Dry	Dry
Total Metals										
Barium(mg/L)	**0.0201**	<0.0200	-----	<0.0200	<0.0200	**0.0226**	Dry	**0.0226**	Dry	Dry
Chromium(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	Dry	<0.0200	Dry	Dry
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	Dry	<0.0500	Dry	Dry
Copper(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	Dry	<0.0200	Dry	Dry
Lead(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	Dry	<0.0100	Dry	Dry
Mercury(mg/L)	<0.00020	<0.00020	-----	<0.00020	<0.00020	<0.0002	Dry	<0.0002	Dry	Dry
Nickel(mg/L)	**0.0252**	<0.0100	-----	<0.0100	<0.0100	<0.0100	Dry	<0.0400	Dry	Dry
Selenium(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	Dry	<0.0500	Dry	Dry
Vanadium(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	Dry	<0.0500	Dry	Dry
Zinc(mg/L)	<0.0200	<0.0200	-----	<0.0200	<0.0200	<0.0200	Dry	<0.0200	Dry	Dry

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-10**

Installation Date: 5/10/1994

Monitored Zone: Upper Residuum

Sample Date:	Sep 24
Cyanide	
Total Cyanide(mg/L)	Dry
Amenable Cyanide(mg/L)	Dry
Total Metals	
Barium(mg/L)	Dry
Chromium(mg/L)	Dry
Cobalt(mg/L)	Dry
Copper(mg/L)	Dry
Lead(mg/L)	Dry
Mercury(mg/L)	Dry
Nickel(mg/L)	Dry
Selenium(mg/L)	Dry
Vanadium(mg/L)	Dry
Zinc(mg/L)	Dry

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-11**

Installation Date: 5/9/1994

Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Oct-98	Mar 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	**0.01**	<0.020	<0.020
Amenable Cyanide(mg/L)	NA	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	**0.01**	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.036**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	NA	<0.50
Chromium(mg/L)	**0.017**	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	NA	<0.050
Cobalt(mg/L)	**0.015**	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	NA	<0.010
Copper(mg/L)	**0.007**	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	NA	<0.050
Lead(mg/L)	<0.005	<0.01	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	NA	<0.010
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NA	<0.0020
Nickel(mg/L)	**0.012**	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	NA	<0.010
Selenium(mg/L)	<0.05	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.010
Vanadium(mg/L)	**0.017**	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	NA	<0.010
Zinc(mg/L)	**0.072**	<0.10	<0.050	<0.050	<0.50	<0.1	<0.05	<0.05	NA	<0.050

Sample Date:	Aug-Sept 99	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.040	<0.020	<0.020	<0.020	<0.02	Dry	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.020	<0.040	<0.020	<0.020	<0.020	<0.02	Dry	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.500	Dry	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	Dry	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	Dry	<0.010	<0.010	<0.010
Copper(mg/L)	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	Dry	<0.050	<0.050	<0.050
Lead(mg/L)	<0.010	<0.010	<0.01	<0.01	<0.01	<0.015	Dry	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.0020	<0.002	<0.002	<0.002	<0.002	<0.0020	Dry	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	Dry	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.010	<0.050	<0.01	<0.01	<0.01	<0.010	Dry	<0.010	<0.010	<0.010
Vanadium(mg/L)	**0.028**	**0.018**	<0.01	<0.01	<0.01	<0.050	Dry	<0.050	<0.050	<0.050
Zinc(mg/L)	**0.081**	<1.0	<1.0	<1.0	<1.0	<0.100	Dry	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-11**

Installation Date: 5/9/1994

Monitored Zone: Upper Residuum

Sample Date:	Aug 04	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Sep 07	Mar 08	Sep 08	Mar 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Chromium(mg/L)	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Cobalt(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Lead(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.010	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Vanadium(mg/L)	<0.050	**0.0111**	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Sep 09	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sept 12	Mar 13	Sept 13	Mar 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	**0.00990**	<0.500	**0.0104**
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750
Cobalt(mg/L)	<0.010	<0.010	<0.010	**0.0100**	<0.010	**0.0104**	<0.010	<0.010	<0.010	**0.0102**
Copper(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750
Lead(mg/L)	<0.015	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.00750
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	**0.0346**	<0.0100	**0.0346**	<0.00750
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.00750
Vanadium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	**0.00768**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-11**

Installation Date: 5/9/1994

Monitored Zone: Upper Residuum

Sample Date:	Sep 14	Mar 15	Sep 15	Mar 16	Sept 16	Mar 17	Sep 17	Mar 18	Sep 18	Mar 19
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	**0.0214**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.000200	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100	**0.0108**	<0.0400	<0.0100	<0.0100	**0.0198**	<0.0100
Selenium(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

Sample Date:	Sep 19	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Sep 23	Mar 24
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	**0.0207**	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0205**	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.000200	<0.000200	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	**0.0144**	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0400	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-11**

Installation Date: 5/9/1994

Monitored Zone: Upper Residuum

Sample Date:	Sep 24
Cyanide	
Total Cyanide(mg/L)	<0.010
Amenable Cyanide(mg/L)	<0.010
Total Metals	
Barium(mg/L)	<0.020
Chromium(mg/L)	<0.010
Cobalt(mg/L)	<0.010
Copper(mg/L)	<0.010
Lead(mg/L)	<0.010
Mercury(mg/L)	<0.0002
Nickel(mg/L)	<0.010
Selenium(mg/L)	<0.010
Vanadium(mg/L)	<0.010
Zinc(mg/L)	<0.020

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MWB-11**
Installation Date: 5/12/1994
Monitored Zone: Bedrock

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug 98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	-----	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.029**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.050	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Copper(mg/L)	<0.050	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	**0.013**	<0.050	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.010	<0.010
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	**0.016**	<0.01	<0.010	<0.010	<0.010	<0.01	**0.012**	**0.019**	<0.010	<0.010
Selenium(mg/L)	<0.010	**0.02**	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc(mg/L)	**0.066**	**0.12**	<0.050	<0.050	**0.14**	<0.1	<0.05	**0.060**	<0.050	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50
Chromium(mg/L)	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper(mg/L)	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	**0.020**	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	**0.0224**
Selenium(mg/L)	<0.050	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	<0.050	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MWB-11**
Installation Date: 5/12/1994
Monitored Zone: Bedrock

Sample Date:	Mar-05	Sep-05	Mar-06	Sep-06	Mar-07	Aug-07	Mar-08	Sep-08	Mar-09	Sep-09
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.02	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.01	<0.01	<0.01	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.050	<0.050	<0.050	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Lead(mg/L)	<0.010	<0.010	<0.010	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.050	<0.050	<0.050	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Mar-10	Sep-10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0200
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Cobalt(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MWB-11**
Installation Date: 5/12/1994
Monitored Zone: Bedrock

Sample Date:	Mar 15	Sep 15	Mar 16
Cyanide			
Total Cyanide(mg/L)	<0.010	<0.0100	<0.0100
Amenable Cyanide(mg/L)	<0.010	<0.0100	<0.0100
Total Metals			
Barium(mg/L)	<0.0200	**0.0273**	**0.0220**
Chromium(mg/L)	<0.0100	<0.0100	**0.0106**
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	**0.0216**	<0.0200	<0.0200

Note: Last Sampled in March 2016

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-12**

Installation Date: 6/8/1994

Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	NA	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.038**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	**0.017**	**0.01**	**0.011**	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Copper(mg/L)	**0.009**	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	**0.006**	**0.022**	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.05	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	**0.011**	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc (mg/L)	**0.065**	<0.10	<0.050	**0.11**	<0.050	**0.056**	**0.11**	**0.051**	<0.050	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	**0.012**	<0.010	**0.017**	**0.012**	<0.010	**0.015**	**0.012**	**0.016**	**0.0158**
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.010	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc (mg/L)	<1.0	<1.0	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-12**

Installation Date: 6/8/1994

Monitored Zone: Upper Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020 (<0.020)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.010	<0.020 (<0.020)	<0.010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.500	<0.50 (<0.50)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.050 (<0.050)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Cobalt(mg/L)	**0.0128**	**0.0110 (0.0131)**	**0.0119**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.0500	<0.050 (<0.050)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Lead(mg/L)	<0.0150	<0.015 (<0.015)	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.015
Mercury(mg/L)	<0.0020	<0.0020 (<0.0020)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.010 (<0.010)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	<0.010 (<0.010)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0500	<0.010 (<0.010)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Zinc (mg/L)	<0.100	<1.0 (<1.0)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0256**	<0.0200	**0.042**
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.029**
Total Metals										
Barium(mg/L)	<0.500	<0.500	**0.0320**	<0.500	<0.500	<0.500	**0.0240/0.0256**	<0.500	<0.00750	**0.0301**
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0500	<0.00750	<0.0100
Cobalt(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.00750	<0.0100	<0.00750	<0.0200
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0500	<0.00750	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.00750	<0.0150	<0.00750	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.00750	<0.0100	<0.00750	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.00750	<0.0100	<0.00750	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0500	<0.00750	<0.0100
Zinc (mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.00750	<0.100	<0.00750	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-12**

Installation Date: 6/8/1994

Monitored Zone: Upper Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Sept 16	Mar 17	Sep 17	Mar 18	Sep 18	Mar 19	Sep 19
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	**0.0127**	**0.017**	<0.010	<0.010	<0.010	<0.010	**0.012**
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	**0.014**	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	**0.0235**	**0.0341**	**0.0220**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0100	<0.0100	**0.0127**	<0.0100	<0.0100	<0.0100	**0.0221**	<0.0100	**0.0124**
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc (mg/L)	<0.0200	<0.0200	<0.0200	**0.127**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

Sample Date:	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Oct 23	Mar 24	Sep 24
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.020
Chromium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Lead(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Mercury(mg/L)	<0.000200	-----	<0.000200	<0.000200	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Zinc (mg/L)	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.020

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-13**
Installation Date: 6/9/1994
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	NA	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.037**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	**0.022**	**0.02**	**0.017**	**0.015**	**0.022**	**0.029**	**0.030**	**0.026**	**0.035**	**0.026**
Copper(mg/L)	<0.005	**0.06**	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	**0.006**	**0.011**	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	**0.011**	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.05	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.01	<0.01	<0.010	<0.010	**0.017**	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc(mg/L)	**0.044**	<0.10	**0.083**	**0.10**	**0.054**	<0.05	**0.079**	**0.059**	**0.053**	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	**0.034**	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.017**	**0.015**	**0.064**	**0.076**	**0.02**	**0.022**	**0.017**	**0.015**	**0.014**	**0.0167**
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.010	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	**0.023**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.010	<0.010	<0.010	<0.010
Zinc(mg/L)	<1.0	<1.0	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-13**
Installation Date: 6/9/1994
Monitored Zone: Upper Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	**0.023** (<0.020) [1]	<0.020	<0.020	**0.032** (**0.028**)[2]	<0.020
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020 (<0.020) [2]	<0.020
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Cobalt(mg/L)	**0.0346**	**0.0428**	**0.0617**	**0.0939**	**0.102**	**0.108**	**0.088 (0.097)[2]**	**0.112**	**0.138 (0.118)[2]**	**0.144**
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	May 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	**0.0306**	**0.0294** (**0.0305**)[2]	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.012**
Amenable Cyanide(mg/L)	na	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.012**
Total Metals										
Barium(mg/L)	**0.075**	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	**0.0564**	**0.0551**
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0100
Cobalt(mg/L)	**0.172**	**0.157**	**0.152**	**0.118 (0.127)[2]**	**0.112**	**0.0933**	**0.106**	**0.1170**	**0.112**	**0.0949**
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.00750	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.00750	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.00750	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.00750	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	**0.0102**	**0.0208**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-13**

Installation Date: 6/9/1994

Monitored Zone: Upper Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Sept 16	Mar 17	Sep 17	Mar 18	Sep 18	Mar 19	Sep 19
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	**0.032**	<0.010	<0.010	<0.010	<0.010	<0.010	
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Total Metals										
Barium(mg/L)	**0.0517**	**0.0442**	**0.0515**	**0.0619**	**0.0476**	**0.0840**	<0.0100	<0.0100	<0.0100	
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	
Cobalt(mg/L)	**0.0918**	**0.0677**	**0.0774**	**0.0835**	**0.0812**	**0.0893**	<0.0100	<0.0100	<0.0100	
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	
Nickel(mg/L)	<0.0200	<0.0100	<0.0100	**0.0157**	<0.0100	<0.0100	<0.0100	**0.0200**	**0.0158**	
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0219**	<0.0200	<0.0200	<0.0200	

Sample Date:	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Oct 23	Mar 24	Sep 24
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	**0.010**	**0.012**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	**0.010**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	-----	<0.0100	<0.0100	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.020
Chromium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Lead(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Mercury(mg/L)	<0.000200	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0100	-----	<0.0100	**0.0209**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Zinc(mg/L)	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0252**	<0.0200	<0.020

[1] - September 2007 total cyanide resampling results

[2] - Duplicate Sample

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-14**

Installation Date: 5/5/1994

Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.02	<0.01	<0.01	<0.02	<0.02	**0.040**	**0.03**	**0.038**	<0.020
Amenable Cyanide(mg/L)	NA	<0.02	<0.01	<0.01	<0.02	<0.02	**0.023**	**0.02**	**0.038**	<0.020
Total Metals										
Barium(mg/L)	**0.029**	<0.50	<0.050	<0.050	<0.50	<0.5	<0.5	<0.5	<0.050	<0.050
Chromium(mg/L)	**0.011**	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	**0.011**	<0.01	**0.014**	<0.010	**0.012**	**0.013**	**0.022**	**0.033**	**0.070**	**0.058**
Copper(mg/L)	<0.005	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	<0.005	<0.01	<0.050	<0.050	<0.005	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	**0.012**	<0.010
Selenium(mg/L)	<0.05	**0.01**	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.01	<0.01	**0.010**	<0.010	<0.010	<0.01	<0.01	<0.01	**0.035**	<0.010
Zinc(mg/L)	**0.054**	<0.10	<0.050	**0.051**	<1.0	<0.05	<0.06	<0.05	**0.074**	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Jun 02	Aug-Sep 02	Mar 03	July 03	Mar 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.040	**0.071**	**0.04**	<0.02	**0.06**	**0.032**	**0.08**	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.040	**0.071**	<0.020	<0.02	**0.007**	**0.021**	**0.032**	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.050	<0.500	NA	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	NA	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.067**	**0.084**	**0.062**	**0.120**	**0.0906**	NA	**0.286**	**0.261**	**0.2350**	**0.118**
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	NA	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.010	<0.010	<0.010	<0.015	<0.015	NA	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.0020	<0.0020	<0.0020	NA	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	NA	**0.010**	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.010	<0.010	<0.05	<0.010	<0.010	NA	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.050	<0.050	<0.01	<0.050	<0.050	NA	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	<1.0	<1.0	<1.0	<0.100	NA	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-14**

Installation Date: 5/5/1994

Monitored Zone: Upper Residuum

Sample Date:	Aug 04	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09
Cyanide										
Total Cyanide(mg/L)	<0.02	**0.020**	<0.020	<0.020	<0.020	<0.020 (<0.020)[1]	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020 (<0.020)	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.0500	<0.0500	<0.0500	<0.0500	<0.50 (<0.50)	<0.0500	<0.0500	<0.0500	<0.0500
Chromium(mg/L)	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.050 (<0.050)	<0.0500	<0.0500	<0.0500	<0.0500
Cobalt(mg/L)	**0.0556**	**0.0442**	**0.0310**	**0.0276**	**0.0373**	**0.0409 (0.0402)**	**0.0409**	**0.0036**	**0.0038**	**0.0470**
Copper(mg/L)	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.050 (<0.050)	<0.0500	<0.0500	<0.0500	<0.0500
Lead(mg/L)	<0.015	<0.0100	<0.0100	<0.0100	<0.0100	<0.015 (<0.015)	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020 (<0.0020)	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010 (<0.010)	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.010	<0.0500	<0.0500	<0.0500	<0.0500	<0.010 (<0.010)	<0.0500	<0.0500	<0.0500	<0.0500
Vanadium(mg/L)	<0.050	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Sep 09	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	**0.0230**	**0.0319**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	**0.0585**
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.0282**
Cobalt(mg/L)	**0.086**	**0.08**	**0.076**	**0.102**	**0.0977**	**0.0822**	**0.0771**	**0.1060**	**0.0716**	**0.0723**
Copper(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.0166**
Lead(mg/L)	<0.015	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.010	**0.0101**	**0.0106**	<0.0100	**0.0195**	<0.0100	<0.0100	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	**0.0112**	<0.0100	<0.0100	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.0199**
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	**0.0212**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MW-14**

Installation Date: 5/5/1994

Monitored Zone: Upper Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Sept 16	Mar 17	Sep 17	Mar 18	Sep 18	Mar 19	Sep 19
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.013**	**0.022**	**0.014**	**0.013**
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**0.022**	**0.014**	**0.010**
Total Metals										
Barium(mg/L)	**0.0460**	**0.0731**	**0.0416**	**0.0478**	**0.0548**	**0.0894**	**0.110**	**0.027**	**0.0221**	**0.032**
Chromium(mg/L)	<0.0200	**0.0429**	**0.0384**	**0.0350**	**0.0282**	**0.0270**	**0.0209**	**0.0108**	**0.0126**	<0.0100
Cobalt(mg/L)	**0.0665**	**0.0589**	**0.0459**	**0.0494**	**0.0578**	**0.0728**	**0.118**	**0.034**	**0.0185**	**0.021**
Copper(mg/L)	<0.0200	**0.0507**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	**0.00057**	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	**0.0147**	<0.0100	**0.0203**	<0.0100	<0.0100	**0.0164**	<0.0100	<0.0100	**0.0154**
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0500	**0.0191**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	**0.0627**	<0.0200	<0.0200	**0.0206**	**0.0258**	<0.0200	<0.0200	<0.0200	<0.0200

Sample Date:	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Oct 23	Mar 24	Sep 24
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	**0.011**	**0.011**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	**0.011**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	-----	**0.0208**	<0.0100	**0.0262**	<0.0200	<0.0200	**0.0440**	<0.0100	**0.022**
Chromium(mg/L)	**0.0102**	-----	**0.0109**	**0.0127**	**0.0122**	**0.0186**	**0.0249**	**0.0264**	**0.0162**	**0.014**
Cobalt(mg/L)	**0.0101**	**0.0103**	**0.0133**	**0.0113**	<0.0100	<0.0100	<0.0500	**0.0319**	**0.0124**	**0.018**
Copper(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200	**0.0104**	<0.0100	<0.0100
Lead(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0100	-----	<0.0100	**0.0250**	<0.0100	<0.0100	<0.0400	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0500	**0.0137**	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0425**	<0.0200	<0.0200

[1] - Duplicate Sample

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MWB-07**
Installation Date: 7/19/1994
Monitored Zone: Bedrock

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug 98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	**0.07**	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.01[1]	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.025**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.050	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Copper(mg/L)	<0.050	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	**0.013**	**0.045**	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.010	<0.010
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.010	**0.01**	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc(mg/L)	**0.049**	<0.10	<0.050	**0.068**	<0.50	<0.1	**0.099**	<0.05	<0.050	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50
Chromium(mg/L)	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper(mg/L)	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.050	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	<0.050	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

[1] Resampling results for amenable cyanide - January 3, 1996.

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MWB-07**

Installation Date: 7/19/1994

Monitored Zone: Bedrock

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Sep 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Lead(mg/L)	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	**0.0235**
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Cobalt(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	**0.01**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **MWB-07**

Installation Date: 7/19/1994

Monitored Zone: Bedrock

Sample Date:	Mar 15	Sep 15	Mar 16	Mar 17	Mar 18	Mar 19	Mar 20	Mar 21	Mar 22	Mar 23
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0200	<0.0100	**0.0228**	<0.0100	<0.0100	**0.0120**	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

Sample Date:	Mar 24
Cyanide	
Total Cyanide(mg/L)	<0.010
Amenable Cyanide(mg/L)	<0.010
Total Metals	
Barium(mg/L)	<0.0200
Chromium(mg/L)	<0.0100
Cobalt(mg/L)	<0.0100
Copper(mg/L)	<0.0100
Lead(mg/L)	<0.0100
Mercury(mg/L)	<0.0002
Nickel(mg/L)	<0.0100
Selenium(mg/L)	<0.0100
Vanadium(mg/L)	<0.0100
Zinc(mg/L)	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-01**

Installation Date: 3/5/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	NI	NI	NS	**0.03**	<0.02	<0.02	<0.02	<0.01	<0.02	<0.020
Amenable Cyanide(mg/L)	NI	NI	NS	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.020
Total Metals										
Barium(mg/L)	NI	NI	NS	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	NI	NI	NS	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	NI	NI	NS	**0.059**	**0.040**	**0.011**	<0.01	<0.01	**0.030**	<0.01
Copper(mg/L)	NI	NI	NS	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	NI	NI	NS	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	NI	NI	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	NI	NI	NS	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	NI	NI	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	NI	NI	NS	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc(mg/L)	NI	NI	NS	**2.1**	**0.21**	**0.11**	**0.055**	**0.12**	**0.21**	**0.052**

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	**0.052**	<0.020	<0.02	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.040	**0.052**	<0.020	<0.02	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Cobalt(mg/L)	<0.010	**0.040**	**0.016**	**0.036**	<0.0100	<0.0100	**0.0112**	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.050	<0.050	<0.050	**0.13**	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Lead(mg/L)	<0.015	<0.015	<0.015	<0.010	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Mercury(mg/L)	<0.002	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	**0.036**	**0.0100**	<0.0100	**0.010**	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Zinc(mg/L)	<1.0	**0.071**	**0.079**	<1.0	**0.130**	<0.100	<0.100	<0.100	<0.100	**0.245**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-01**

Installation Date: 3/5/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	**0.15**	**0.039**	<0.020	**0.024**	<0.020	**0.026**	**0.023**	**0.023**	**0.024**	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	**0.023**	**0.020**	<0.020
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.0555**	**0.0683**	**0.0631**	**0.0539**	**0.0343**	**0.0455**	**0.053**	**0.024**	**0.017**	**0.013**
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.180**	<0.050	<0.050	<0.050
Lead(mg/L)	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	**0.0275**	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.222**	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	**0.362**	**0.106**	<0.100	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0226**	<0.0200	**0.016**
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.012**
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0200
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Cobalt(mg/L)	**0.013**	**0.0170**	**0.0126**	**0.0134**	<0.0100	<0.0100	**0.0107**	<0.0100	<0.0100	<0.0200
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.0655**	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.0238**	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Zinc(mg/L)	<0.100	**0.102**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	**0.681**	**0.0452**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-01**

Installation Date: 3/5/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Sept 16	Mar 17	Sept 17	Mar 18	Sept 18	Mar 19	Sept 19
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	**0.018**	**0.010**	<0.010	**0.021**	**0.033**	**0.018**	**0.013**
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	**0.012**	<0.010	<0.010	**0.019**	**0.010**	**0.018**	**0.010**
Total Metals										
Barium(mg/L)	**0.0269**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0253**	**0.0238**	**0.0339**
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0020	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.0158**	**0.0240**	**0.0180**	**0.0153**
Copper(mg/L)	**0.0431**	**0.0113**	**0.0126**	**0.0139**	**0.0166**	**0.0220**	<0.0100	**0.0122**	<0.0100	**0.0146**
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100	<0.0200	<0.0100	**0.0228**	**0.0247**	**0.0153**
Selenium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	**0.0903**	**0.0448**	**0.0238**	<0.0200	**0.0284**	<0.0200	<0.0200	**0.210**	<0.0200	**0.288**

Sample Date:	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Sep 23	May 24	Sep 24
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	**0.0430**	-----	**0.0240**	**0.0296**	**0.0304**	**0.0236**	<0.0200	**0.0218**	**0.0223**	**0.028**
Chromium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Cobalt(mg/L)	**0.0109**	**0.0133**	**0.0183**	**0.0108**	**0.0106**	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.010**
Lead(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Mercury(mg/L)	<0.00020	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0100	-----	<0.0100	**0.0238**	**0.0149**	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Zinc(mg/L)	**0.0285**	-----	<0.0200	**0.0294**	<0.0200	<0.0200	<0.0200	**0.0226**	**0.0231**	**0.035**

NI - Well not Installed as of this date

NS - Not Sampled

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-02**

Installation Date: 3/11/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	NI	NI	NS	<0.02	<0.02	**0.02**	**0.05**	<0.01	<0.02	<0.020
Amenable Cyanide(mg/L)	NI	NI	NS	<0.02	<0.02	<0.02	**0.03**	<0.01	<0.02	<0.020
Total Metals										
Barium(mg/L)	NI	NI	NS	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	NI	NI	NS	<0.050	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	NI	NI	NS	**0.039**	**0.028**	**0.083**	**0.048**	**0.049**	**0.014**	**0.029**
Copper(mg/L)	NI	NI	NS	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	NI	NI	NS	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	NI	NI	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	NI	NI	NS	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	NI	NI	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	NI	NI	NS	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc(mg/L)	NI	NI	NS	**1.1**	**0.76**	<0.05	<0.05	**0.10**	**0.10**	**0.18**

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	**0.10**	<0.020	**0.06**	<0.02	**0.040**	**0.030**	**0.026**	<0.020	**0.032**
Amenable Cyanide(mg/L)	<0.040	**0.10**	<0.020	**0.02**	<0.02	**0.026**	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Cobalt(mg/L)	**0.040**	**0.059**	<0.010	**0.042**	**0.0500**	**0.0562**	**0.0279**	**0.0596**	**0.0358**	**0.0869**
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Lead(mg/L)	<0.015	<0.015	<0.015	<0.010	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Mercury(mg/L)	<0.002	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	**0.012**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Zinc(mg/L)	<1.0	**0.055**	**0.050**	<1.0	<0.100	<0.100	<0.100	<0.100	**0.220**	**0.102**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-02**

Installation Date: 3/11/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	**0.034**	<0.020	**0.023**	<0.020	<0.020	**0.025**	**0.041**	**0.028**	**0.028**
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	**0.040**	<0.020	**0.027**
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.0583**	**0.105**	**0.0650**	**0.0519**	**0.0362**	**0.0438**	**0.047**	**0.071**	**0.036**	**0.046**
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.144**	**0.148**	**0.072**	<0.050	<0.050
Lead(mg/L)	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	**0.0184**	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.042**	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	**0.272**	**0.163**	<0.100	<0.100	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	**0.022**	**0.026**	**0.0473**	**0.0444**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.012**
Amenable Cyanide(mg/L)	**0.022**	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.011**
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	**0.0226**
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Cobalt(mg/L)	**0.029**	**0.085**	**0.0620**	**0.0644**	**0.0529**	**0.0440**	**0.0334**	**0.0301**	**0.0226**	**0.0298**
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.0128**
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.0121**	<0.0100	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	**0.0255**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-02**

Installation Date: 3/11/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Sept 16	Mar 17	Sept 17	Mar 18	Sept 18	Mar 19	Sept 19
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	**0.011**	**0.014**	<0.010	<0.010	**0.028**	**0.025**	**0.022**
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	**0.011**	<0.010	<0.010	<0.010	**0.025**	**0.017**
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0228**	**0.0290**
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0020	**0.0205**	**0.0146**	**0.0156**	**0.0134**	**0.0138**	**0.0131**	**0.0136**	**0.0150**	**0.0202**
Copper(mg/L)	**0.0652**	**0.0219**	**0.0102**	**0.0242**	**0.0333**	**0.0221**	<0.0100	**0.0161**	<0.0100	**0.0180**
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0100	**0.0156**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.0155**	**0.0111**
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	**0.469**	**0.0388**	<0.0200	<0.0200	**0.0308**	<0.0200	<0.0200	<0.0200	**0.0221**	**0.0295**

Sample Date:	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Sep 23	May 24	Sep 24
Cyanide										
Total Cyanide(mg/L)	<0.010	**0.011**	**0.011**	**0.013**	**0.022**	**0.010**	<0.010	**0.010**	**0.011**	<0.010
Amenable Cyanide(mg/L)	<0.010	**0.011**	**0.011**	<0.010	**0.020**	**0.010**	<0.010	**0.010**	**0.010**	<0.010
Total Metals										
Barium(mg/L)	**0.0232**	-----	**0.0208**	**0.0229**	**0.0235**	**0.0222**	**0.0209**	**0.0209**	<0.0200	<0.020
Chromium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Cobalt(mg/L)	**0.0131**	**0.0175**	**0.0143**	**0.0125**	**0.0142**	**0.0146**	**0.0123**	<0.0100	**0.0129**	**0.012**
Copper(mg/L)	<0.0100	-----	<0.0100	**0.0116**	<0.0100	**0.0315**	<0.0100	**0.0153**	**0.0110**	**0.014**
Lead(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Mercury(mg/L)	<0.00020	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0100	-----	<0.0100	**0.0162**	<0.0100	**0.0107**	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Zinc(mg/L)	**0.127**	-----	**0.025**	**0.0342**	**0.101**	**0.0554**	<0.0200	**0.0264**	**0.0241**	**0.12**

NI - Well not Installed as of this date

NS - Not Sampled

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-03**

Installation Date: 3/12/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99
Cyanide									
Total Cyanide(mg/L)	NI	NI	NS	**0.06**	<0.02	<0.02	<0.02	**0.03**	<0.02
Amenable Cyanide(mg/L)	NI	NI	NS	<0.02	<0.02	<0.02	<0.02	**0.02**	<0.02
Total Metals									
Barium(mg/L)	NI	NI	NS	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50
Chromium(mg/L)	NI	NI	NS	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
Cobalt(mg/L)	NI	NI	NS	**0.16**	**0.085**	**0.049**	**0.029**	**0.029**	**0.025**
Copper(mg/L)	NI	NI	NS	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050
Lead(mg/L)	NI	NI	NS	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015
Mercury(mg/L)	NI	NI	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020
Nickel(mg/L)	NI	NI	NS	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010
Selenium(mg/L)	NI	NI	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010
Vanadium(mg/L)	NI	NI	NS	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010
Zinc(mg/L)	NI	NI	NS	**0.55**	**0.14**	**0.78**	**0.39**	**0.16**	**0.18**

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04
Cyanide									
Total Cyanide(mg/L)	**0.042**	**0.026**	**0.031**	**0.03**	<0.02	**0.028**	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	**0.042**	**0.026**	**0.031**	<0.01	<0.02	**0.020**	<0.020	<0.020	<0.020
Total Metals									
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Cobalt(mg/L)	**0.050**	**0.030**	**0.037**	**0.030**	**0.0100**	**0.0323**	**0.0328**	**0.0278**	**0.0189**
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Lead(mg/L)	<0.015	<0.015	<0.015	<0.010	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Mercury(mg/L)	<0.002	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Zinc(mg/L)	<1.0	**0.11**	**0.16**	<1.0	<0.100	<0.100	<0.100	<0.100	**0.207**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-03**

Installation Date: 3/12/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09
Cyanide									
Total Cyanide(mg/L)	<0.020	<0.020	**0.022**	**0.020**	<0.020	<0.020	**0.016**	**0.025**	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	**0.016**	**0.020**	<0.020
Total Metals									
Barium(mg/L)	<0.500	<0.500	<0.05	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.0500	<0.05	<0.0500	<0.0500	<0.0500	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.0242**	**0.0172**	**0.0482**	**0.0519**	**0.0358**	**0.0393**	**0.024**	**0.039**	**0.031**
Copper(mg/L)	<0.0500	<0.0500	<0.05	<0.0500	<0.0500	<0.0500	**0.144**	<0.050	**0.157**
Lead(mg/L)	<0.0150	<0.0150	<0.01	<0.0150	<0.0150	**0.0367**	**0.030**	<0.015	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.0100	<0.01	<0.0100	<0.0100	<0.0100	**0.012**	<0.010	**0.058**
Selenium(mg/L)	<0.0100	<0.0100	<0.05	<0.0100	<0.0100	<0.0100	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.0500	<0.0500	<0.01	<0.0500	<0.0500	<0.0500	<0.050	<0.050	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.1	<0.100	<0.100	**0.379**	**0.541**	<0.100	**0.198**

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14
Cyanide									
Total Cyanide(mg/L)	<0.020	<0.020	**0.0241**	<0.020	<0.0200	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.020	<0.0200	<0.020	<0.020	<0.020	<0.020
Total Metals									
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Cobalt(mg/L)	**0.015**	**0.019**	**0.0317**	**0.0180**	<0.0100	**0.0266**	**0.0228**	**0.0166**	**0.0179**
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Nickel(mg/L)	<0.010	<0.010	<0.0100	**0.0321**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Zinc(mg/L)	<0.100	<0.100	**0.186**	<0.100	<0.100	<0.100	<0.100	<0.100	**0.112**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-03**

Installation Date: 3/12/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Sep 14	Mar 15	Sep 15	Mar 16	Sep 16	Mar 17	Sep 17	Mar 18	Sep 18
Cyanide									
Total Cyanide(mg/L)	**0.015**	<0.010	<0.010	<0.010	**0.021**	<0.010	<0.010	<0.010	**0.024**
Amenable Cyanide(mg/L)	**0.013**	<0.010	<0.010	<0.010	**0.018**	<0.010	<0.010	<0.010	<0.010
Total Metals									
Barium(mg/L)	**0.0210**	**0.0262**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	**0.0273**	<0.0020	**0.0180**	**0.0130**	**0.0136**	**0.0126**	**0.0124**	<0.0100	**0.0127**
Copper(mg/L)	<0.0200	**0.214**	<0.0100	<0.0100	<0.0100	**0.0639**	<0.0100	**0.0118**	**0.0106**
Lead(mg/L)	<0.0100	**0.0126**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.0123**
Selenium(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	**0.0526**	**0.905**	**0.156**	**0.165**	**0.0535**	**0.443**	**0.140**	<0.0200	**0.0647**

Sample Date:	Mar 19	Sep 19	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23
Cyanide									
Total Cyanide(mg/L)	**0.016**	**0.019**	<0.010	<0.010	<0.010	**0.010**	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	**0.016**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals									
Barium(mg/L)	**0.0213**	<0.0200	<0.0200	-----	<0.0200	<0.0200	<0.0200	**0.0245**	**0.0238**
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	**0.0135**	<0.0100
Cobalt(mg/L)	**0.0154**	**0.0159**	<0.0100	**0.0149**	**0.0111**	**0.0118**	<0.0100	**0.0134**	<0.0100
Copper(mg/L)	<0.0100	<0.0200	**0.0173**	-----	**0.0126**	**0.0150**	<0.0100	**0.230**	**0.1300**
Lead(mg/L)	<0.0100	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	**0.0299**	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	**0.0216**	**0.0102**	<0.0100	-----	<0.0100	**0.0142**	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0100	<0.0200	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	**0.0250**	**0.0351**	-----	**0.0245**	**0.0408**	<0.0200	**0.733**	**0.444**

NI - Well not Installed as of this date

NS - Not Sampled

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-03**

Installation Date: 3/12/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Sep 23	May 24	Sep 24
Cyanide			
Total Cyanide(mg/L)	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010
Total Metals			
Barium(mg/L)	<0.0200	<0.0200	<0.020
Chromium(mg/L)	<0.0100	<0.0100	<0.010
Cobalt(mg/L)	<0.0100	<0.0100	<0.010
Copper(mg/L)	**0.154**	**0.203**	**0.49**
Lead(mg/L)	<0.0100	<0.0100	<0.010
Mercury(mg/L)	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0100	<0.0100	<0.010
Zinc(mg/L)	**0.268**	**0.307**	**0.34**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-04**

Installation Date: 3/13/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	NI	NI	NS	<0.02	<0.02	<0.02	<0.02	**0.02**	<0.02	**0.044**
Amenable Cyanide(mg/L)	NI	NI	NS	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	**0.044**
Total Metals										
Barium(mg/L)	NI	NI	NS	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	NI	NI	NS	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	NI	NI	NS	<0.010	<0.010	**0.036**	**0.023**	**0.025**	**0.033**	**0.049**
Copper(mg/L)	NI	NI	NS	<0.050	<0.050	<0.05	<0.05	<0.05	**0.053**	<0.050
Lead(mg/L)	NI	NI	NS	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	NI	NI	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	NI	NI	NS	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	NI	NI	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	NI	NI	NS	**0.015**	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc(mg/L)	NI	NI	NS	**0.24**	**0.25**	**0.21**	**0.24**	**0.12**	**0.34**	**0.25**

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.01	<0.02	**0.026**	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.01	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Cobalt(mg/L)	**0.013**	<0.10	<0.010	<0.010	<0.0100	**0.0325**	<0.0100	<0.0100	**0.0100**	<0.0100
Copper(mg/L)	<0.050	**0.37**	**0.23**	<0.050	**0.0800**	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Lead(mg/L)	**0.020**	**0.12**	**0.057**	<0.010	**0.0200**	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Mercury(mg/L)	<0.002	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	**0.013**	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.010	<0.010	**0.013**	<0.010	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Zinc(mg/L)	**1.4**	**0.85**	**2.2**	<1.0	**1.57**	**1.18**	**2.20**	**1.96**	**2.13**	**2.18**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-04**

Installation Date: 3/13/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	**0.021**	<0.020	<0.020	**0.019**	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.050	<0.0500	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	**0.0105**	**0.0763**	<0.010	**0.0504**	**0.033**	**0.0346**	**0.033**	<0.010	**0.038**	**0.026**
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.050	<0.0500	**0.095**	<0.050	<0.050	<0.050
Lead(mg/L)	<0.0150	<0.0150	<0.0150	<0.0150	<0.015	<0.0150	**0.015**	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.0100	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.0100	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.050	<0.0500	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	**0.569**	<0.100	**0.686**	<0.100	<0.100	**0.198**	**0.135**	**0.309**	<0.100	**0.219**

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	**0.0284**	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0200
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Cobalt(mg/L)	**0.013**	<0.010	**0.0238**	**0.0395**	**0.0278**	**0.0297**	**0.0187**	**0.0221**	<0.010	**0.0204**
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.0109**
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Zinc(mg/L)	**0.279**	**0.298**	**0.353**	**0.171**	<0.100	**0.672**	**0.299**	<0.100	**0.284**	**0.213**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-04**

Installation Date: 3/13/1996

Monitored Zone: Upper/Lower Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Sep 16	Mar 17	Sep 17	Mar 18	Sep 18	Mar 19	Sep 19
Cyanide										
Total Cyanide(mg/L)	**0.041**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	**0.041**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0246**	**0.0246**	**0.0239**
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	**0.0117**	<0.0100	**0.0105**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	**0.0155**	**0.0206**	**0.0224**	**0.0190**	**0.0115**	**0.0150**	**0.0684**	<0.0100	**0.0122**
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.000200	<0.000200	<0.000200	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0100	<0.0100	**0.0115**	<0.0100	<0.0100	<0.0100	<0.0100	**0.0112**	**0.0138**
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	**0.469**	**0.231**	**0.270**	**0.425**	**0.167**	**0.185**	**0.0825**	**0.196**	**0.107**	**0.265**

Sample Date:	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23	Sep 23	May 24	Sep 24
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	**0.0242**	-----	**0.0227**	**0.0247**	**0.0297**	**0.0249**	<0.0200	**0.0212**	**0.0227**	<0.020
Chromium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Cobalt(mg/L)	<0.0100	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	**0.0109**	-----	**0.0109**	**0.0108**	**0.0131**	**0.0630**	<0.0100	<0.0100	**0.0140**	<0.010
Lead(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	**0.0113**	<0.0100	<0.0100	<0.0100	<0.010
Mercury(mg/L)	<0.00020	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	<0.0100	-----	<0.0100	**0.0161**	<0.0100	**0.0159**	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Zinc(mg/L)	**0.530**	-----	**0.0253**	**0.192**	**0.239**	**0.216**	**0.0831**	**0.0575**	**0.307**	**0.14**

NI - Well not Installed as of this date

NS - Not Sampled

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **RW-05**

Installation Date: 7/20/2018

Monitored Zone: Upper/Lower Residuum

Sample Date:	Sep 18	Mar 19	Sep 19	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.010	**0.014**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	**0.013**	<0.0200	**0.0215**	<0.0200	-----	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	**0.0290**	<0.0100	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	**0.0740**	**0.0201**	**0.0187**	<0.0100	**0.0145**	**0.0139**	**0.0163**	**0.0137**	<0.0100	**0.0116**
Copper(mg/L)	**0.0369**	<0.0100	<0.0100	**0.0220**	-----	**0.0279**	**0.0146**	**0.0312**	**0.0263**	**0.0144**
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	-----	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002
Nickel(mg/L)	**0.0692**	**0.0256**	**0.0261**	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	**0.031**	<0.0100	<0.0100	<0.0100	-----	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	**0.555**	**0.0486**	**0.0274**	**0.0574**	-----	**0.0884**	**0.103**	**0.178**	**0.0235**	**0.04**

Sample Date:	Sep 23	Mar 24	Sep 24
Cyanide			
Total Cyanide(mg/L)	<0.010	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010
Total Metals			
Barium(mg/L)	<0.0200	<0.0200	<0.020
Chromium(mg/L)	**0.0114**	**0.0120**	<0.010
Cobalt(mg/L)	**0.0118**	**0.0105**	<0.010
Copper(mg/L)	**0.0347**	**0.0126**	**0.049**
Lead(mg/L)	<0.0100	<0.0100	<0.010
Mercury(mg/L)	<0.00020	<0.00020	<0.0002
Nickel(mg/L)	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0100	<0.0100	<0.010
Zinc(mg/L)	**0.107**	**0.0224**	**0.10**

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-12**
Installation Date: 5/20/1994
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	NA	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.028**	<0.01	<0.50	<0.50	<0.50	<0.5	<0.50	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	<0.050	<0.05	<0.050	<0.05	<0.050	<0.050
Cobalt(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.010	<0.01	<0.010	<0.010
Copper(mg/L)	<0.005	<0.01	<0.050	<0.050	<0.050	<0.05	<0.050	<0.05	<0.050	<0.050
Lead(mg/L)	<0.005	<0.01	<0.050	<0.050	<0.015	<0.05	<0.050	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.010	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.05	<0.05	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.01	<0.01	<0.010	<0.010	<0.010	<0.01	<0.010	<0.01	<0.010	<0.010
Zinc(mg/L)	**0.071**	<0.10	<0.05	**0.12**	**0.37**	<0.1	**0.12**	<0.05	<0.050	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	July 03	Mar 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.040	<0.040	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.040	<0.040	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.015	<0.015	<0.015	<0.010	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	<1.0	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-12**

Installation Date: 5/20/1994

Monitored Zone: Upper Residuum

Sample Date:	Aug 04	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.02	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.01	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Cobalt(mg/L)	<0.006	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.005	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Lead(mg/L)	<0.005	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Mercury(mg/L)	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.006	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.05	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.01	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Sep 09	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.0200	<0.0200	**0.0737** (<0.0200)[1]	<0.0200	<0.0200	<0.0200	<0.0200
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.00750	<0.500	<0.00750	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.00750	<0.0500	<0.00750	<0.0500
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.00750	<0.0500	<0.00750	<0.0500
Lead(mg/L)	<0.015	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.00750	<0.0150	<0.00750	<0.0150
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.00750	<0.0100	<0.00750	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.00750	<0.0100	<0.00750	<0.0100
Vanadium(mg/L)	<0.050	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.00750	<0.0500	<0.00750	<0.0500
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.00750	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-12**

Installation Date: 5/20/1994

Monitored Zone: Upper Residuum

Sample Date:	Sep 14	Mar 15	Sep 15	Mar 16
Cyanide				
Total Cyanide(mg/L)	<0.0100	<0.010	<0.0100	<0.0100
Amenable Cyanide(mg/L)	<0.0100	<0.010	<0.0100	<0.0100
Total Metals				
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.000200	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0200	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200

Note: Last Sampled in March 2016

[1] - April 4, 2012 Resampling Results

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-13**
Installation Date: 6/9/1994
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Aug-Sept 99	Mar 00
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.020	<0.040
Amenable Cyanide(mg/L)	NA	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.020	<0.040
Total Metals										
Barium(mg/L)	**0.025**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.05	<0.05	<0.01	<0.010	<0.010
Copper(mg/L)	<0.005	<0.05	<0.050	<0.050	<0.050	<0.01	<0.01	<0.05	<0.050	<0.050
Lead(mg/L)	**0.009**	**0.011**	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.002
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	**0.011**	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.05	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.01	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc(mg/L)	**0.089**	**0.11**	**0.050**	**0.088**	<0.050	<0.1	<0.05	<0.05	<0.050	<1.0

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.015	<0.015	<0.015	<0.010	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	<1.0	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-13**
Installation Date: 6/9/1994
Monitored Zone: Upper Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Lead(mg/L)	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	**41,712.00**	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0200
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Cobalt(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	**0.00288 (0.00259)**[1]	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.0159**	<0.0100	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.0200

[1] - April 4, 2012 Resampling Results

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-13**
Installation Date: 6/9/1994
Monitored Zone: Upper Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Mar 17	Mar 18	Mar 19	Mar 20	Mar 21	Mar 22	Mar 23
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0100	**0.0175** (<0.0100)[2]	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	**0.00179**	**0.00151**	**0.00089**	<0.0002	<0.00020
Nickel(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

[2] - April 29, 2016 Resampling Results

Sample Date:	Mar 24
Cyanide	
Total Cyanide(mg/L)	<0.010
Amenable Cyanide(mg/L)	<0.010
Total Metals	
Barium(mg/L)	<0.0200
Chromium(mg/L)	<0.0100
Cobalt(mg/L)	<0.0100
Copper(mg/L)	<0.0100
Lead(mg/L)	<0.0100
Mercury(mg/L)	<0.00020
Nickel(mg/L)	<0.0100
Selenium(mg/L)	<0.0100
Vanadium(mg/L)	<0.0100
Zinc(mg/L)	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-14**
Installation Date: 5/17/1994
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.010	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02
Amenable Cyanide(mg/L)	NA	<0.010	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02
Total Metals										
Barium(mg/L)	**0.009**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Copper(mg/L)	<0.005	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	<0.005	<0.01	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0021**	<0.0020
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.05	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.01	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc(mg/L)	**0.063**	<0.10	**0.092**	**0.065**	<0.050	<0.1	<0.05	<0.05	<0.050	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.015	<0.015	<0.015	<0.010	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	<1.0	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-14**

Installation Date: 5/17/1994

Monitored Zone: Upper Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.010	<0.010	<0.010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Lead(mg/L)	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0200
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Cobalt(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-14**

Installation Date: 5/17/1994

Monitored Zone: Upper Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Mar 17	Mar 18	Mar 19	Mar 20	Mar 21	Mar 22	Mar 23
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0002	<0.00020
Nickel(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

Sample Date:	Mar 24
Cyanide	
Total Cyanide(mg/L)	<0.010
Amenable Cyanide(mg/L)	<0.010
Total Metals	
Barium(mg/L)	<0.0200
Chromium(mg/L)	<0.0100
Cobalt(mg/L)	<0.0100
Copper(mg/L)	<0.0100
Lead(mg/L)	<0.0100
Mercury(mg/L)	<0.00020
Nickel(mg/L)	<0.0100
Selenium(mg/L)	<0.0100
Vanadium(mg/L)	<0.0100
Zinc(mg/L)	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-15**
Installation Date: 5/16/1994
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.02	<0.010	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	NA	<0.010	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.070**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	**0.027**	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	**0.014**	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Copper(mg/L)	**0.034**	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	**0.014**	<0.01	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.05	**0.01**	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	**0.051**	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	**0.016**	<0.010
Zinc(mg/L)	**0.077**	<0.10	**0.080**	**0.14**	<0.050	<0.1	<0.05	<0.05	**0.11**	**0.065**

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.50	<0.50	<0.50	<0.50
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.015	<0.015	<0.015	<0.010	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.010	<0.010	<0.010	<0.010
Zinc(mg/L)	<1.0	<1.0	<1.0	<1.0	<0.100	<0.100	<0.010	<0.010	<0.010	<0.010

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-15**

Installation Date: 5/16/1994

Monitored Zone: Upper Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Sep 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0200
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Cobalt(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Selenium(mg/L)	<0.010	<0.010	**0.0100**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-15**

Installation Date: 5/16/1994

Monitored Zone: Upper Residuum

Sample Date:	Mar 15	Sep 15	Mar 16
Cyanide			
Total Cyanide(mg/L)	<0.010	<0.0100	<0.0100
Amenable Cyanide(mg/L)	<0.010	<0.0100	<0.0100
Total Metals			
Barium(mg/L)	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	**0.00022**
Nickel(mg/L)	<0.0200	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200

Note: Last Sampled for Cyanide and Metals in March 2016

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-15D**
Installation Date: 7/24/1994
Monitored Zone: Deep Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug 98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	----	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.028**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.050	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	**0.010**	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Copper(mg/L)	<0.050	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	<0.015	**0.046**	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.010	<0.010
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	**0.009**	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.01	<0.010	<0.010	<0.010	**0.012**	<0.01	<0.01	**0.026**	<0.010
Zinc(mg/L)	**0.44**	<0.10	**0.065**	**0.22**	**0.054**	<0.1	<0.05	**0.085**	**0.16**	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Aug-Sep 02	Mar 03	July 03	Mar 04	Aug 04
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.50	<0.50	<0.50	<0.50	<0.50
Chromium(mg/L)	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper(mg/L)	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	**0.013**	<0.010
Selenium(mg/L)	<0.050	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.010	<0.01	<0.01	<0.01	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	**0.11**	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-15D**

Installation Date: 7/24/1994

Monitored Zone: Deep Residuum

Sample Date:	Mar 05	Sep 05	Mar 06	Sep 06	Mar 07	Sep 07	Mar 08	Sep 08	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Cobalt(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Copper(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Lead(mg/L)	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Selenium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Vanadium(mg/L)	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.050
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0200
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Cobalt(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Selenium(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-15D**

Installation Date: 7/24/1994

Monitored Zone: Deep Residuum

Sample Date:	Mar 15	Sep 15	Mar 16
Cyanide			
Total Cyanide(mg/L)	<0.010	<0.0100	<0.0100
Amenable Cyanide(mg/L)	<0.010	<0.0100	<0.0100
Total Metals			
Barium(mg/L)	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020
Nickel(mg/L)	<0.0200	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200

Note: Last Sampled for Cyanide and Metals in March 2016

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-16**
Installation Date: 5/12/1994
Monitored Zone: Upper Residuum

Sample Date:	Oct-Nov 95	Feb-Mar 96	Jun 96	Sept-Oct 96	Mar-April 97	Sept 97	Mar 98	Aug-98	Mar 99	Aug-Sept 99
Cyanide										
Total Cyanide(mg/L)	**0.05**	**0.08**	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Amenable Cyanide(mg/L)	**0.03**	**0.03**	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.020	<0.020
Total Metals										
Barium(mg/L)	**0.047**	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.50	<0.50
Chromium(mg/L)	<0.01	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Cobalt(mg/L)	**0.088**	**0.09**	**0.011**	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Copper(mg/L)	<0.005	<0.05	<0.050	<0.050	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050
Lead(mg/L)	<0.005	**0.011**	<0.050	<0.050	<0.015	<0.05	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0020	<0.0020
Nickel(mg/L)	<0.006	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Selenium(mg/L)	<0.05	**0.01**	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010
Vanadium(mg/L)	<0.01	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.010
Zinc(mg/L)	**0.30**	<0.10	<0.050	**0.087**	<0.050	<0.05	<0.05	<0.05	<0.050	<0.050

Sample Date:	Mar 00	Sep 00	Mar 01	Aug 01	Mar-Apr 02	Mar 03	July 03	Mar 04	Aug 04	Mar 05
Cyanide										
Total Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Amenable Cyanide(mg/L)	<0.040	<0.020	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0500
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.0100
Copper(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0500
Lead(mg/L)	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.0150
Mercury(mg/L)	<0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	**0.02**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.0100
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.0100
Vanadium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0500
Zinc(mg/L)	<1.0	<1.0	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-16**

Installation Date: 5/12/1994

Monitored Zone: Upper Residuum

Sample Date:	Sep 05	Mar 06	Sep 06	Mar 07	Aug 07	Mar 08	Sep 08	Mar 09	Mar 09	Sep 09
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Metals										
Barium(mg/L)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.500
Chromium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Cobalt(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper(mg/L)	<0.050	<0.015	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Lead(mg/L)	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Selenium(mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Vanadium(mg/L)	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Zinc(mg/L)	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100

Sample Date:	Mar 10	Sep 10	Mar 11	Sep 11	Mar 12	Sep 12	Mar 13	Sep 13	Mar 14	Sep 14
Cyanide										
Total Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Amenable Cyanide(mg/L)	<0.020	<0.020	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0100
Total Metals										
Barium(mg/L)	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0200
Chromium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Cobalt(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0200
Copper(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Lead(mg/L)	<0.015	<0.015	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0100
Mercury(mg/L)	<0.0020	<0.0020	<0.0020	<0.0020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.000200
Nickel(mg/L)	<0.010	<0.010	<0.0100	<0.0100	<0.0100	**0.0268**	<0.0100	<0.0100	<0.0100	<0.0200
Selenium(mg/L)	<0.010	<0.010	**0.0166**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.0200
Vanadium(mg/L)	<0.050	<0.050	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0100
Zinc(mg/L)	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.0200

Historical Groundwater Cyanide and Metals Data Summary

York Casket Hardware, Lawrenceville, Georgia

Observation Well: **TW-16**

Installation Date: 5/12/1994

Monitored Zone: Upper Residuum

Sample Date:	Mar 15	Sep 15	Mar 16	Sep 16	Mar 17	Mar 18	Mar 19	Mar 20	Mar 21	Mar 22
Cyanide										
Total Cyanide(mg/L)	<0.010	<0.0100	<0.0100	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Amenable Cyanide(mg/L)	<0.010	<0.0100	<0.0100	<0.010	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.010
Total Metals										
Barium(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**0.0214**	<0.0200	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt(mg/L)	<0.0200	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury(mg/L)	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0002
Nickel(mg/L)	<0.0200	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Selenium(mg/L)	<0.0200	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200

Sample Date:	Mar 23	Mar 24
Cyanide		
Total Cyanide(mg/L)	<0.010	**0.061**
Amenable Cyanide(mg/L)	<0.010	**0.061**
Total Metals		
Barium(mg/L)	<0.0200	<0.0200
Chromium(mg/L)	<0.0100	<0.0100
Cobalt(mg/L)	<0.0100	<0.0100
Copper(mg/L)	<0.0100	<0.0100
Lead(mg/L)	<0.0100	<0.0100
Mercury(mg/L)	<0.0002	<0.0002
Nickel(mg/L)	<0.0100	<0.0100
Selenium(mg/L)	<0.0100	<0.0100
Vanadium(mg/L)	<0.0100	<0.0100
Zinc(mg/L)	<0.0200	<0.0200

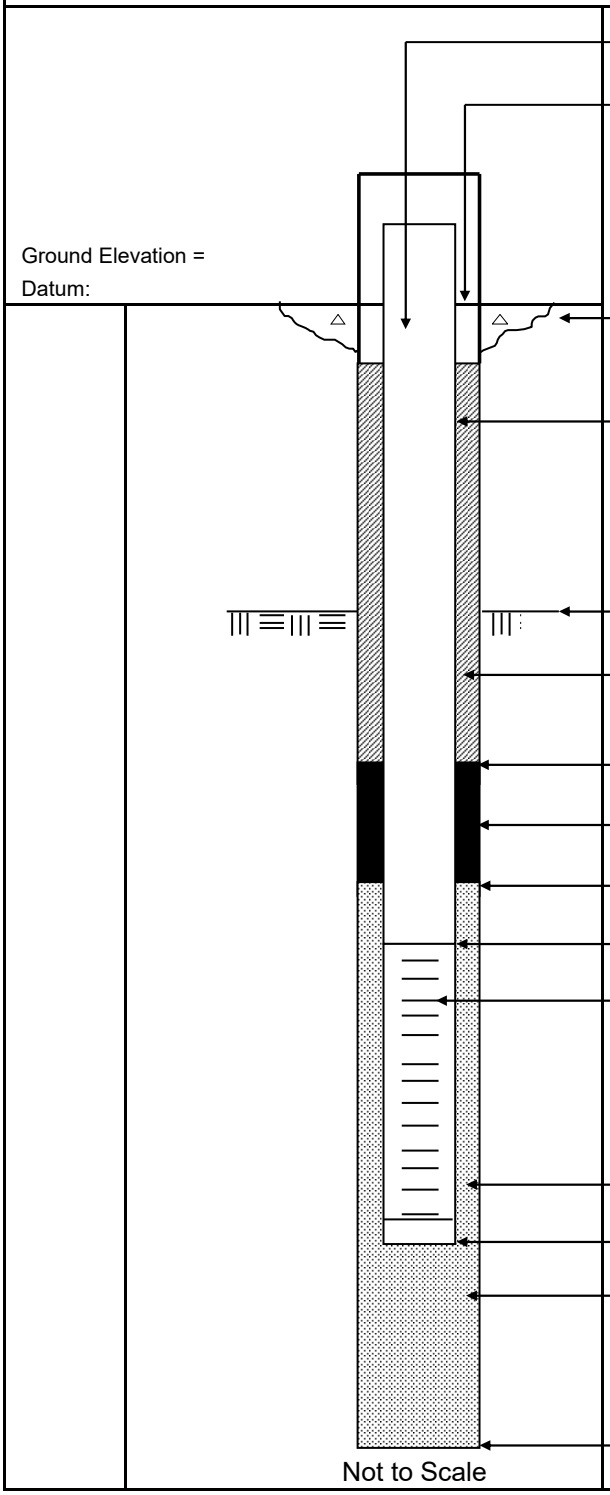
APPENDIX D
Well Construction Logs

AECS, INC.

WELL No.: MW-15

MONITORING WELL SHEET

PROJECT:	York	DRILLING Co.:	EM Services	BORING No.:	MW-15
PROJECT No.:	22-06	DRILLER:	Tim and Nick	DATE COMPLETED:	06/26/25
SITE:	Lawrenceville, GA	DRILLING METHOD:	Hollow Stem Auger		6/25/25
GEOLOGIST:	Tom Lawrence	DEV. METHOD:	Whale pump		6/26/25



Elevation / Top of Riser (ags): /

Elevation / Height of Top of Surface Casing: /

I.D. of Surface Casing: **N/A**

Surface Completion: **8-inch flush bolt-down**

Type of Surface Seal: **Cement Grout (1')**

I.D. of Riser: **2 inch**

Type of Riser: **PVC**

Borehole Diameter: **8 inch**

Elevation / Depth Top of Rock: **NA**

Type of Backfill: **Bentonite/portland Grout**

Elevation / Depth of Seal: / 16 ft.

Type of Seal: **Bentonite Chips**

Elevation / Depth of Top of Filter Pack: / 18.1 ft.

Elevation / Depth of Top of Screen: / 20 ft.

Type of Screen: **PVC**

Slot Size x Length: **10-slot, 10 feet**

I.D. of Screen: **2"**

Type of Filter Pack: **Quartz Sand**

Elevation / Depth of Bottom of Screen: / 30 ft.

Elevation / Depth of Bottom of Filter Pack: / 30 ft.

Type of Backfill Below Well: **Soil from formation collapse**

Elevation / Total Depth of Borehole: / 31 ft.

AECS

FIELD LOG OF BORING

WELL NO. __MW-15_
SHEET __1__ OF _2__

PROJECT: York	JOB NO.: 22-06	BORING NO.: MW-15	
	LOGGED BY: Tom Lawrence	TOTAL DEPTH: 31 ft.	
DRILLING CONTRACTOR: EM Services		SURFACE ELEV.:	DATUM:
DRILLER'S NAME: Tim and Nick		START, TIME: 0858	DATE: 6/25/2025
DRILL RIG TYPE: Geoprobe 6620DT		FINISH, TIME: 1035	DATE: 6/26/2025
BORING METHOD: continuous direct-push followed by 4.25 inch ID HSA		WATER DEPTH: 16 ft.	
HOLE DIAMETER: 8 inch		DATE: 6/26/2025	
SAMPLING METHOD: continuous 5-ft. sleeved core direct-push		TIME: 0830	
HAMMER WGT.: N/A	DROP HGT: N/A	BACKFILLED, TIME: N/A	DATE: N/A
CONDITIONS:		LOCATION OF BORING:	

SAMPLE DEPTH	SAMPLE TYPE	BLOWS / 6-INCHES	INCHES DRIVEN	FEET RECOVERED	MOISTURE	DENSITY	HEADSPACE (ppm)	FID READING (ppm)	LAB SAMPLE	DEPTH IN FEET	LITHOLOGY
0-5	continuous			4						1	0 to 4-inch, concrete under thin dirt cover 4-inch to 2-foot, red micaceous clayey, silt, possible Fill
										2	
										3	2 to 5-foot, brown micaceous clayey, silt Residuum
										4	
										5	
5-10	continuous			4						6	5 to 10-foot, reddish brown micaceous clayey, silt Residuum
										7	
										8	
										9	
										10	
10-15	continuous			5						11	10 to 15-foot, reddish brown to grey micaceous clayey, silt Residuum
										12	
										13	
										14	
										15	

Notes:_____

EDITED BY/DATE:_____

WELL NO. _MW-15__
SHEET __2__ OF _2__

PROJECT: York							DATE: 6/25/2025			JOB NO.: 22-06			BORING NO.: MW-15
DEPTH	TYPE	BLOWS	DRIVEN	RECOVERED	MOISTURE	DENSITY	HEADSPACE (ppm)	FID READING (ppm)	LAB SAMPLE	DEPTH		LITH.	
15-20	conti-nuous			5						16			15 to 20-foot, dark brown micaceous fine sandy, clayey, silt Residuum
										17			
										18			
										19			
										20			
20-23	conti-nuous			3						21			20 to 21-foot, dark brown micaceous fine sandy, clayey, silt Residuum
										22			21 to 23-foot, reddish brown banded micaceous fine sandy, clayey, silt Saprolite
										23			
										24			23-foot, DPT refusal
										25			
										26			
										27			
										28			
										29			
										30			
										31			
										32			31-foot, auger refusal
										33			
										34			
										35			

Notes:_____

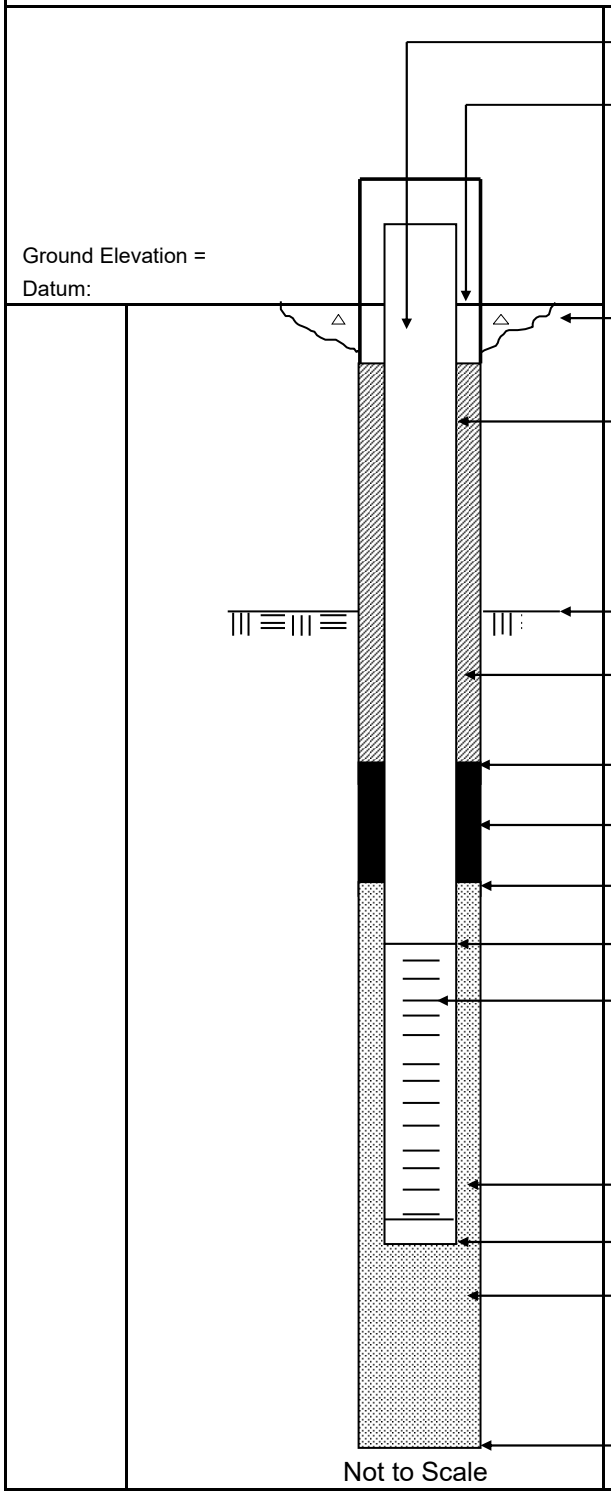
EDITED BY/DATE:_____

AECS, INC.

WELL No.: MW-16

MONITORING WELL SHEET

PROJECT:	York	DRILLING Co.:	EM Services	BORING No.:	MW-16
PROJECT No.:	22-06	DRILLER:	Tim and Nick	DATE COMPLETED:	06/26/25
SITE:	Lawrenceville, GA	DRILLING METHOD:	Hollow Stem Auger		6/25/25
GEOLOGIST:	Tom Lawrence	DEV. METHOD:	Whale pump		6/26/25



Elevation / Top of Riser (ags): /

Elevation / Height of Top of Surface Casing: /

I.D. of Surface Casing: **N/A**

Surface Completion: **8-inch flush bolt-down**

Type of Surface Seal: **Cement Grout (1')**

I.D. of Riser: **2 inch**

Type of Riser: **PVC**

Borehole Diameter: **8 inch**

Elevation / Depth Top of Rock: **NA**

Type of Backfill: **Bentonite/portland Grout**

Elevation / Depth of Seal: / 16 ft.

Type of Seal: **Bentonite Chips**

Elevation / Depth of Top of Filter Pack: / 17.8 ft.

Elevation / Depth of Top of Screen: / 25 ft.

Type of Screen: **PVC**

Slot Size x Length: **10-slot, 10 feet**

I.D. of Screen: **2"**

Type of Filter Pack: **Quartz Sand**

Elevation / Depth of Bottom of Screen: / 35 ft.

Elevation / Depth of Bottom of Filter Pack: / 35 ft.

Type of Backfill Below Well:

Elevation / Total Depth of Borehole: / 35 ft.

AECS

FIELD LOG OF BORING

WELL NO. __MW-16_
SHEET __1__ OF _2__

PROJECT: York	JOB NO.: 22-06	BORING NO.: MW-16	
	LOGGED BY: Tom Lawrence	TOTAL DEPTH: 35 ft.	
DRILLING CONTRACTOR: EM Services		SURFACE ELEV.:	DATUM:
DRILLER'S NAME: Tim and Nick		START, TIME: 1135	DATE: 6/25/2025
DRILL RIG TYPE: Geoprobe 6620DT		FINISH, TIME: 1035	DATE: 6/26/2025
BORING METHOD: continuous direct-push followed by 4.25 inch ID HSA		WATER DEPTH: 15 ft.	
HOLE DIAMETER: 8 inch		DATE: 6/26/2025	
SAMPLING METHOD: continuous 5-ft. sleeved core direct-push		TIME: 0830	
HAMMER WGT.: N/A	DROP HGT: N/A	BACKFILLED, TIME: N/A	DATE: N/A
CONDITIONS:		LOCATION OF BORING:	

SAMPLE DEPTH	SAMPLE TYPE	BLOWS / 6-INCHES	INCHES DRIVEN	FEET RECOVERED	MOISTURE	DENSITY	HEADSPACE (ppm)	FID READING (ppm)	LAB SAMPLE	DEPTH IN FEET	LITHOLOGY	
0-5	conti-nuous			4						1		0 to 5-foot, redish brown micaceous clayey, silt Fill
										2		
										3		
										4		
										5		
5-10	conti-nuous			4						6		5 to 10-foot, reddish brown micaceous clayey, silt Fill
										7		
										8		
										9		
										10		
10-15	conti-nuous			4						11		10 to 15-foot, reddish brown micaceous clayey, silt Fill
										12		
										13		
										14		
										15		

Notes:_____

EDITED BY/DATE:_____

WELL NO. _MW-16__
SHEET __2__ OF _2__

PROJECT: York							DATE: 6/25/2025			JOB NO.: 22-06			BORING NO.: MW-16
DEPTH	TYPE	BLOWS	DRIVEN	RECOVERED	MOISTURE	DENSITY	HEADSPACE (ppm)	FID READING (ppm)	LAB SAMPLE	DEPTH		LITH.	
15-20	conti-nuous			5									15 to 16-foot, reddish brown micaceous clayey, silty Fill
										16			
													16 to 20-foot, reddish brown to black mottled micaceous
										17			clayey, silt Saprolite
										18			
										19			
										20			
20-25	conti-nuous			3									20 to 25-foot, reddish brown to black mottled micaceous
										21			clayey, silt Saprolite
										22			
										23			
										24			
										25			
													25-foot, DPT termination
										26			
										27			
										28			
										29			
										30			
										31			
										32			
										33			
										34			
										35			35-foot, auger termination

Notes:_____

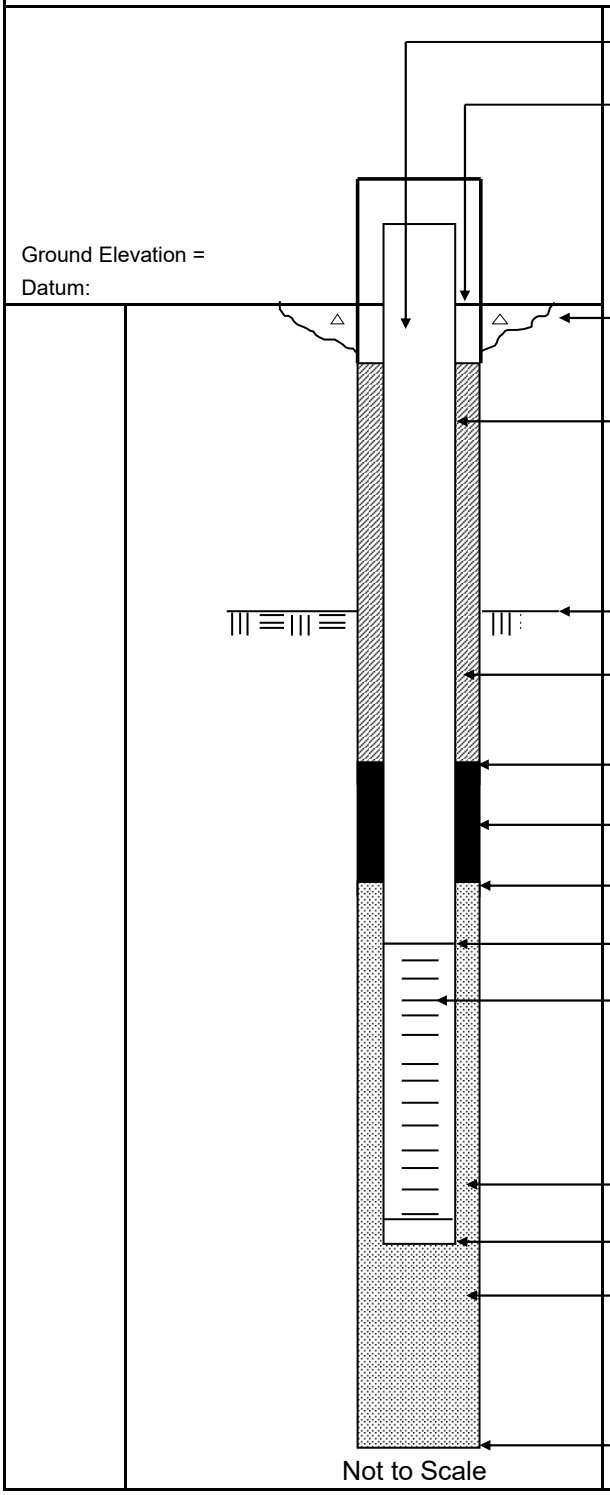
EDITED BY/DATE:_____

AECS, INC.

WELL No.: MW-17

MONITORING WELL SHEET

PROJECT:	York	DRILLING Co.:	EM Services	BORING No.:	MW-17
PROJECT No.:	22-06	DRILLER:	Tim and Nick	DATE COMPLETED:	06/26/25
SITE:	Lawrenceville, GA	DRILLING METHOD:	Hollow Stem Auger		6/25/25
GEOLOGIST:	Tom Lawrence	DEV. METHOD:	Whale pump		6/26/25



Elevation / Top of Riser (ags):		/
Elevation / Height of Top of Surface Casing:		/
I.D. of Surface Casing:	**N/A**	
Surface Completion:	**8-inch flush bolt-down**	
Type of Surface Seal:	**Cement Grout (1')**	
I.D. of Riser:	**2 inch**	
Type of Riser:	**PVC**	
Borehole Diameter:	**8 inch**	
Elevation / Depth Top of Rock:		**NA**
Type of Backfill:	**Bentonite/portland Grout**	
Elevation / Depth of Seal:		/ 16 ft.
Type of Seal:	**Bentonite Chips**	
Elevation / Depth of Top of Filter Pack:		/ 18.1 ft.
Elevation / Depth of Top of Screen:		/ 20 ft.
Type of Screen:	**PVC**	
Slot Size x Length:	**10-slot, 10 feet**	
I.D. of Screen:	**2"**	
Type of Filter Pack:	**Quartz Sand**	
Elevation / Depth of Bottom of Screen:		/ 30 ft.
Elevation / Depth of Bottom of Filter Pack:		/ 30 ft.
Type of Backfill Below Well:		
Elevation / Total Depth of Borehole:		/ 30 ft.

AECS

FIELD LOG OF BORING

WELL NO. __MW-17_
SHEET __1__ OF _2__

PROJECT: York	JOB NO.: 22-06	BORING NO.: MW-17	
	LOGGED BY: Tom Lawrence	TOTAL DEPTH	30 ft.

DRILLING CONTRACTOR: EM Services	SURFACE ELEV.:	DATUM:		
DRILLER'S NAME: Tim and Nick	START, TIME: 1330	DATE:	6/25/2025	
DRILL RIG TYPE: Geoprobe 6620DT	FINISH, TIME: 1035	DATE:	6/26/2025	
BORING METHOD: continuous direct-push followed by 4.25 inch ID HSA	WATER DEPTH:	13 ft.		
HOLE DIAMETER: 8 inch	DATE:	6/26/2025		
SAMPLING METHOD: continuous 5-ft. sleeved core direct-push	TIME:	0830		
HAMMER WGT.: N/A DROP HGT: N/A	BACKFILLED, TIME: N/A	DATE:	N/A	
CONDITIONS:	LOCATION OF BORING:			

SAMPLE DEPTH	SAMPLE TYPE	BLOWS / 6-INCHES	INCHES DRIVEN	FEET RECOVERED	MOISTURE	DENSITY	HEADSPACE (ppm)	FID READING (ppm)	LAB SAMPLE	DEPTH IN FEET	LITHOLOGY
0-5	continuous			1.5						0 to 8-inch, chrushed stone gravel 8-inch to 5-foot, red micaceous clayey silt Fill	
5-10	continuous			1.5						5 to 10-foot, red to grey fine sandy, clayey, silt, probable Fill	
10-15	continuous			1						10 to 15-foot, red to grey fine sandy, clayey, silt, probable Fill	

Notes:_____

EDITED BY/DATE:_____

WELL NO. _MW-17__
SHEET __2__ OF _2__

PROJECT: York							DATE: 6/25/2025			JOB NO.: 22-06			BORING NO.: MW-17
DEPTH	TYPE	BLOWS	DRIVEN	RECOVERED	MOISTURE	DENSITY	HEADSPACE (ppm)	FID READING (ppm)	LAB SAMPLE	DEPTH		LITH.	
15-20	conti-nuous			3									15 to 19-foot, red to grey fine sandy, clayey, silt, probable
										16			Fill
										17			
										18			
										19			DPT hard at 19-foot
													19 to 20-foot, brown to tan to blackmottled micaceous
										20			fine sandy, clayey, silt Saprolite
20-21	conti-nuous			1									20 to 21-foot, brown to tan to blackmottled micaceous
										21			fine sandy, clayey, silt Saprolite
													21-foot, DPT refusal
										22			
										23			
										24			
										25			
										26			
										27			
										28			
										29			
										30			
													30-foot, auger refusal
										31			
										32			
										33			
										34			
										35			

Notes:_____

EDITED BY/DATE:_____

APPENDIX E

RAGS Calculations for Groundwater Screening Level Concentrations

Default
Resident Tap Water Inputs

Variable	Value
THQ (target hazard quotient) unitless	1
TR (target risk) unitless	1E-06
LT (lifetime) years	70
K (volatilization factor of Andelman) L/m^3	0.5
l_{sc} (apparent thickness of stratum corneum) cm	0.001
ED_{res} (exposure duration - resident) years	26
ED_{res-c} (exposure duration - child) years	6
ED_{res-a} (exposure duration - adult) years	20
ED_{0-2} (mutagenic exposure duration first phase) years	2
ED_{2-6} (mutagenic exposure duration second phase) years	4
ED_{6-16} (mutagenic exposure duration third phase) years	10
ED_{16-26} (mutagenic exposure duration fourth phase) years	10
EF_{res} (exposure frequency) days/year	350
EF_{res-c} (exposure frequency - child) days/year	350
EF_{res-a} (exposure frequency - adult) days/year	350
EF_{0-2} (mutagenic exposure frequency first phase) days/year	350
EF_{2-6} (mutagenic exposure frequency second phase) days/year	350
EF_{6-16} (mutagenic exposure frequency third phase) days/year	350
EF_{16-26} (mutagenic exposure frequency fourth phase) days/year	350
$ET_{event-res-adj}$ (age-adjusted exposure time) hours/event	0.67077
$ET_{event-res-madj}$ (mutagenic age-adjusted exposure time) hours/event	0.67077
ET_{res} (exposure time) hours/day	24
ET_{res-c} (dermal exposure time - child) hours/event	0.54
ET_{res-a} (dermal exposure time - adult) hours/event	0.71
ET_{res-c} (inhalation exposure time - child) hours/day	24
ET_{res-a} (inhalation exposure time - adult) hours/day	24
ET_{0-2} (mutagenic inhalation exposure time first phase) hours/day	24
ET_{2-6} (mutagenic inhalation exposure time second phase) hours/day	24
ET_{6-16} (mutagenic inhalation exposure time third phase) hours/day	24
ET_{16-26} (mutagenic inhalation exposure time fourth phase) hours/day	24
ET_{0-2} (mutagenic dermal exposure time first phase) hours/event	0.54
ET_{2-6} (mutagenic dermal exposure time second phase) hours/event	0.54
ET_{6-16} (mutagenic dermal exposure time third phase) hours/event	0.71

Output generated 11JUL2022:16:52:01

Default
Resident Tap Water Inputs

Variable	Value
ET_{16-26} (mutagenic dermal exposure time fourth phase) hours/event	0.71
BW_{res-a} (body weight - adult) kg	80
BW_{res-c} (body weight - child) kg	15
BW_{0-2} (mutagenic body weight) kg	15
BW_{2-6} (mutagenic body weight) kg	15
BW_{6-16} (mutagenic body weight) kg	80
BW_{16-26} (mutagenic body weight) kg	80
$IFW_{res-adj}$ (adjusted intake factor) L/kg	327.95
$IFW_{res-adj}$ (adjusted intake factor) L/kg	327.95
$IFWM_{res-adj}$ (mutagenic adjusted intake factor) L/kg	1019.9
$IFWM_{res-adj}$ (mutagenic adjusted intake factor) L/kg	1019.9
IRW_{res-c} (water intake rate - child) L/day	0.78
IRW_{res-a} (water intake rate - adult) L/day	2.5
IRW_{0-2} (mutagenic water intake rate) L/day	0.78
IRW_{2-6} (mutagenic water intake rate) L/day	0.78
IRW_{6-16} (mutagenic water intake rate) L/day	2.5
IRW_{16-26} (mutagenic water intake rate) L/day	2.5
EV_{res-a} (events - adult) per day	1
EV_{res-c} (events - child) per day	1
EV_{0-2} (mutagenic events) per day	1
EV_{2-6} (mutagenic events) per day	1
EV_{6-16} (mutagenic events) per day	1
EV_{16-26} (mutagenic events) per day	1
$DFW_{res-adj}$ (age-adjusted dermal factor) cm^2-event/kg	2610650
$DFWM_{res-adj}$ (mutagenic age-adjusted dermal factor) cm^2-event/kg	8191633
SA_{res-c} (skin surface area - child) cm^2	6365
SA_{res-a} (skin surface area - adult) cm^2	19652
SA_{0-2} (mutagenic skin surface area) cm^2	6365
SA_{2-6} (mutagenic skin surface area) cm^2	6365
SA_{6-16} (mutagenic skin surface area) cm^2	19652
SA_{16-26} (mutagenic skin surface area) cm^2	19652

Default

Resident Risk-Based Regional Screening Levels (RSL) for Tap Water

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Chemical	CAS Number	Mutagen?	Volatile?	Chemical Type	SF_o (mg/kg-day)$^{-1}$	SF_o Ref	IUR (ug/m^3)$^{-1}$	IUR Ref	RfD (mg/kg-day)	RfD Ref	RfC (mg/m^3)	RfC Ref	GIABS	K_p (cm/hr)	MW
Copper	7440-50-8	No	No	Inorganics	-		-		4.00E-02	H	-		1	1.00E-03	63.546

B (unitless)	t* (hr)	τ_{event} (hr/event)	FA (unitless)	In EPD?	DA_{event} (ca)	DA_{event} (nc child)	DA_{event} (nc adult)	MCL (ug/L)	Ingestion SL TR=1E-06 (ug/L)	Dermal SL TR=1E-06 (ug/L)	Inhalation SL TR=1E-06 (ug/L)	Carcinogenic SL TR=1E-06 (ug/L)	Ingestion SL Child THQ=1 (ug/L)
3.07E-03	5.73E-01	2.39E-01	1	Yes	-	9.83E-02	1.70E-01	1.30E+03	-	-	-	-	8.02E+02

Dermal SL Child THQ=1 (ug/L)	Inhalation SL Child THQ=1 (ug/L)	Noncarcinogenic SL Child THI=1 (ug/L)	Ingestion SL Adult THQ=1 (ug/L)	Dermal SL Adult THQ=1 (ug/L)	Inhalation SL Adult THQ=1 (ug/L)	Noncarcinogenic SL Adult THI=1 (ug/L)	Screening Level (ug/L)
1.82E+05	-	7.99E+02	1.33E+03	2.39E+05	-	1.33E+03	7.99E+02 nc

Output generated 11JUL2022:16:52:01

Default
Resident Tap Water Inputs

Variable	Value
THQ (target hazard quotient) unitless	1
TR (target risk) unitless	1E-06
LT (lifetime) years	70
K (volatilization factor of Andelman) L/m^3	0.5
l_{sc} (apparent thickness of stratum corneum) cm	0.001
ED_{res} (exposure duration - resident) years	26
ED_{res-c} (exposure duration - child) years	6
ED_{res-a} (exposure duration - adult) years	20
ED_{0-2} (mutagenic exposure duration first phase) years	2
ED_{2-6} (mutagenic exposure duration second phase) years	4
ED_{6-16} (mutagenic exposure duration third phase) years	10
ED_{16-26} (mutagenic exposure duration fourth phase) years	10
EF_{res} (exposure frequency) days/year	350
EF_{res-c} (exposure frequency - child) days/year	350
EF_{res-a} (exposure frequency - adult) days/year	350
EF_{0-2} (mutagenic exposure frequency first phase) days/year	350
EF_{2-6} (mutagenic exposure frequency second phase) days/year	350
EF_{6-16} (mutagenic exposure frequency third phase) days/year	350
EF_{16-26} (mutagenic exposure frequency fourth phase) days/year	350
$ET_{event-res-adj}$ (age-adjusted exposure time) hours/event	0.67077
$ET_{event-res-madj}$ (mutagenic age-adjusted exposure time) hours/event	0.67077
ET_{res} (exposure time) hours/day	24
ET_{res-c} (dermal exposure time - child) hours/event	0.54
ET_{res-a} (dermal exposure time - adult) hours/event	0.71
ET_{res-c} (inhalation exposure time - child) hours/day	24
ET_{res-a} (inhalation exposure time - adult) hours/day	24
ET_{0-2} (mutagenic inhalation exposure time first phase) hours/day	24
ET_{2-6} (mutagenic inhalation exposure time second phase) hours/day	24
ET_{6-16} (mutagenic inhalation exposure time third phase) hours/day	24
ET_{16-26} (mutagenic inhalation exposure time fourth phase) hours/day	24
ET_{0-2} (mutagenic dermal exposure time first phase) hours/event	0.54
ET_{2-6} (mutagenic dermal exposure time second phase) hours/event	0.54
ET_{6-16} (mutagenic dermal exposure time third phase) hours/event	0.71

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Default
Resident Tap Water Inputs

Variable	Value
ET_{16-26} (mutagenic dermal exposure time fourth phase) hours/event	0.71
BW_{res-a} (body weight - adult) kg	80
BW_{res-c} (body weight - child) kg	15
BW_{0-2} (mutagenic body weight) kg	15
BW_{2-6} (mutagenic body weight) kg	15
BW_{6-16} (mutagenic body weight) kg	80
BW_{16-26} (mutagenic body weight) kg	80
$IFW_{res-adj}$ (adjusted intake factor) L/kg	327.95
$IFW_{res-adj}$ (adjusted intake factor) L/kg	327.95
$IFWM_{res-adj}$ (mutagenic adjusted intake factor) L/kg	1019.9
$IFWM_{res-adj}$ (mutagenic adjusted intake factor) L/kg	1019.9
IRW_{res-c} (water intake rate - child) L/day	0.78
IRW_{res-a} (water intake rate - adult) L/day	2.5
IRW_{0-2} (mutagenic water intake rate) L/day	0.78
IRW_{2-6} (mutagenic water intake rate) L/day	0.78
IRW_{6-16} (mutagenic water intake rate) L/day	2.5
IRW_{16-26} (mutagenic water intake rate) L/day	2.5
EV_{res-a} (events - adult) per day	1
EV_{res-c} (events - child) per day	1
EV_{0-2} (mutagenic events) per day	1
EV_{2-6} (mutagenic events) per day	1
EV_{6-16} (mutagenic events) per day	1
EV_{16-26} (mutagenic events) per day	1
$DFW_{res-adj}$ (age-adjusted dermal factor) cm^2-event/kg	2610650
$DFWM_{res-adj}$ (mutagenic age-adjusted dermal factor) cm^2-event/kg	8191633
SA_{res-c} (skin surface area - child) cm^2	6365
SA_{res-a} (skin surface area - adult) cm^2	19652
SA_{0-2} (mutagenic skin surface area) cm^2	6365
SA_{2-6} (mutagenic skin surface area) cm^2	6365
SA_{6-16} (mutagenic skin surface area) cm^2	19652
SA_{16-26} (mutagenic skin surface area) cm^2	19652

Default

Resident Risk-Based Regional Screening Levels (RSL) for Tap Water

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Chemical	CAS Number	Mutagen?	Volatile?	Chemical Type	SF_o (mg/kg-day)$^{-1}$	SF_o Ref	IUR (ug/m^3)$^{-1}$	IUR Ref	RfD (mg/kg-day)	RfD Ref	RfC (mg/m^3)	RfC Ref	GIABS
Nickel Soluble Salts	7440-02-0	No	No	Inorganics	-		2.60E-04	C	2.00E-02	I	9.00E-05	A	0.04

K_p \ (cm/hr)	MW	B (unitless)	t^* (hr)	τ_{event} (hr/event)	FA (unitless)	In EPD?	DA_{event} (ca)	DA_{event} (nc child)	DA_{event} (nc adult)	MCL (ug/L)	Ingestion SL TR=1E-06 (ug/L)	Dermal SL TR=1E-06 (ug/L)	Inhalation SL TR=1E-06 (ug/L)
2.00E-04	58.71	5.89E-04	5.38E-01	2.24E-01	1	Yes	-	1.97E-03	3.40E-03	-	-	-	-

Carcinogenic SL TR=1E-06 (ug/L)	Ingestion SL Child THQ=1 (ug/L)	Dermal SL Child THQ=1 (ug/L)	Inhalation SL Child THQ=1 (ug/L)	Noncarcinogenic SL Child THI=1 (ug/L)	Ingestion SL Adult THQ=1 (ug/L)	Dermal SL Adult THQ=1 (ug/L)	Inhalation SL Adult THQ=1 (ug/L)	Noncarcinogenic SL Adult THI=1 (ug/L)	Screening Level (ug/L)
-	4.01E+02	1.82E+04	-	3.92E+02	6.67E+02	2.39E+04	-	6.49E+02	3.92E+02 nc

Default
Resident Tap Water Inputs

Variable	Value
THQ (target hazard quotient) unitless	1
TR (target risk) unitless	1E-06
LT (lifetime) years	70
K (volatilization factor of Andelman) L/m^3	0.5
l_{sc} (apparent thickness of stratum corneum) cm	0.001
ED_{res} (exposure duration - resident) years	26
ED_{res-c} (exposure duration - child) years	6
ED_{res-a} (exposure duration - adult) years	20
ED_{0-2} (mutagenic exposure duration first phase) years	2
ED_{2-6} (mutagenic exposure duration second phase) years	4
ED_{6-16} (mutagenic exposure duration third phase) years	10
ED_{16-26} (mutagenic exposure duration fourth phase) years	10
EF_{res} (exposure frequency) days/year	350
EF_{res-c} (exposure frequency - child) days/year	350
EF_{res-a} (exposure frequency - adult) days/year	350
EF_{0-2} (mutagenic exposure frequency first phase) days/year	350
EF_{2-6} (mutagenic exposure frequency second phase) days/year	350
EF_{6-16} (mutagenic exposure frequency third phase) days/year	350
EF_{16-26} (mutagenic exposure frequency fourth phase) days/year	350
$ET_{event-res-adj}$ (age-adjusted exposure time) hours/event	0.67077
$ET_{event-res-madj}$ (mutagenic age-adjusted exposure time) hours/event	0.67077
ET_{res} (exposure time) hours/day	24
ET_{res-c} (dermal exposure time - child) hours/event	0.54
ET_{res-a} (dermal exposure time - adult) hours/event	0.71
ET_{res-c} (inhalation exposure time - child) hours/day	24
ET_{res-a} (inhalation exposure time - adult) hours/day	24
ET_{0-2} (mutagenic inhalation exposure time first phase) hours/day	24
ET_{2-6} (mutagenic inhalation exposure time second phase) hours/day	24
ET_{6-16} (mutagenic inhalation exposure time third phase) hours/day	24
ET_{16-26} (mutagenic inhalation exposure time fourth phase) hours/day	24
ET_{0-2} (mutagenic dermal exposure time first phase) hours/event	0.54
ET_{2-6} (mutagenic dermal exposure time second phase) hours/event	0.54
ET_{6-16} (mutagenic dermal exposure time third phase) hours/event	0.71

Output generated 11JUL2022:16:58:21

Default
Resident Tap Water Inputs

Variable	Value
ET_{16-26} (mutagenic dermal exposure time fourth phase) hours/event	0.71
BW_{res-a} (body weight - adult) kg	80
BW_{res-c} (body weight - child) kg	15
BW_{0-2} (mutagenic body weight) kg	15
BW_{2-6} (mutagenic body weight) kg	15
BW_{6-16} (mutagenic body weight) kg	80
BW_{16-26} (mutagenic body weight) kg	80
$IFW_{res-adj}$ (adjusted intake factor) L/kg	327.95
$IFW_{res-adj}$ (adjusted intake factor) L/kg	327.95
$IFWM_{res-adj}$ (mutagenic adjusted intake factor) L/kg	1019.9
$IFWM_{res-adj}$ (mutagenic adjusted intake factor) L/kg	1019.9
IRW_{res-c} (water intake rate - child) L/day	0.78
IRW_{res-a} (water intake rate - adult) L/day	2.5
IRW_{0-2} (mutagenic water intake rate) L/day	0.78
IRW_{2-6} (mutagenic water intake rate) L/day	0.78
IRW_{6-16} (mutagenic water intake rate) L/day	2.5
IRW_{16-26} (mutagenic water intake rate) L/day	2.5
EV_{res-a} (events - adult) per day	1
EV_{res-c} (events - child) per day	1
EV_{0-2} (mutagenic events) per day	1
EV_{2-6} (mutagenic events) per day	1
EV_{6-16} (mutagenic events) per day	1
EV_{16-26} (mutagenic events) per day	1
$DFW_{res-adj}$ (age-adjusted dermal factor) cm^2-event/kg	2610650
$DFWM_{res-adj}$ (mutagenic age-adjusted dermal factor) cm^2-event/kg	8191633
SA_{res-c} (skin surface area - child) cm^2	6365
SA_{res-a} (skin surface area - adult) cm^2	19652
SA_{0-2} (mutagenic skin surface area) cm^2	6365
SA_{2-6} (mutagenic skin surface area) cm^2	6365
SA_{6-16} (mutagenic skin surface area) cm^2	19652
SA_{16-26} (mutagenic skin surface area) cm^2	19652

Default

Resident Risk-Based Regional Screening Levels (RSL) for Tap Water

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; W = TEF applied; E = RPF applied; G = see user's guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Chemical	CAS Number	Mutagen?	Volatile?	Chemical Type	SF_o (mg/kg-day)$^{-1}$	SF_o Ref	IUR (ug/m^3)$^{-1}$	IUR Ref	RfD (mg/kg-day)	RfD Ref	RfC (mg/m^3)	RfC Ref	GIABS
Zinc and Compounds	7440-66-6	No	No	Inorganics	-		-		3.00E-01	I	-		1

K_p \ (cm/hr)	MW	B (unitless)	t^* (hr)	τ_{event} (hr/event)	FA (unitless)	In EPD?	DA_{event} (ca)	DA_{event} (nc child)	DA_{event} (nc adult)	MCL (ug/L)	Ingestion SL TR=1E-06 (ug/L)	Dermal SL TR=1E-06 (ug/L)	Inhalation SL TR=1E-06 (ug/L)
6.00E-04	65.37	1.87E-03	5.86E-01	2.44E-01	1	Yes	-	7.37E-01	1.27E+00	-	-	-	-

Carcinogenic SL TR=1E-06 (ug/L)	Ingestion SL Child THQ=1 (ug/L)	Dermal SL Child THQ=1 (ug/L)	Inhalation SL Child THQ=1 (ug/L)	Noncarcinogenic SL Child THI=1 (ug/L)	Ingestion SL Adult THQ=1 (ug/L)	Dermal SL Adult THQ=1 (ug/L)	Inhalation SL Adult THQ=1 (ug/L)	Noncarcinogenic SL Adult THI=1 (ug/L)	Screening Level (ug/L)
-	6.02E+03	2.28E+06	-	6.00E+03	1.00E+04	2.99E+06	-	9.98E+03	6.00E+03 nc

Output generated 11JUL2022:16:58:21

Site-specific
Resident Tap Water Inputs

Variable	Resident Tap Water Default Value	Site-Specific Value
BW_{0-2} (mutagenic body weight) kg	15	15
BW_{2-6} (mutagenic body weight) kg	15	15
BW_{6-16} (mutagenic body weight) kg	80	80
BW_{16-26} (mutagenic body weight) kg	80	80
BW_{res-a} (body weight - adult) kg	80	80
BW_{res-c} (body weight - child) kg	15	15
$DFW_{res-adj}$ (age-adjusted dermal factor) cm^2-event/kg	2610650	2610650
$DFWM_{res-adj}$ (mutagenic age-adjusted dermal factor) cm^2-event/kg	8191633	8191633
ED_{res} (exposure duration - resident) years	26	26
ED_{0-2} (mutagenic exposure duration first phase) years	2	2
ED_{2-6} (mutagenic exposure duration second phase) years	4	4
ED_{6-16} (mutagenic exposure duration third phase) years	10	10
ED_{16-26} (mutagenic exposure duration fourth phase) years	10	10
ED_{res-a} (exposure duration - adult) years	20	20
ED_{res-c} (exposure duration - child) years	6	6
EF_{res} (exposure frequency) days/year	350	350
EF_{0-2} (mutagenic exposure frequency first phase) days/year	350	350
EF_{2-6} (mutagenic exposure frequency second phase) days/year	350	350
EF_{6-16} (mutagenic exposure frequency third phase) days/year	350	350
EF_{16-26} (mutagenic exposure frequency fourth phase) days/year	350	350
EF_{res-a} (exposure frequency - adult) days/year	350	350
EF_{res-c} (exposure frequency - child) days/year	350	350
ET_{res} (exposure time) hours/day	24	24
$ET_{event-res-adj}$ (age-adjusted exposure time) hours/event	0.67077	0.67077
$ET_{event-res-madj}$ (mutagenic age-adjusted exposure time) hours/event	0.67077	0.67077
ET_{0-2} (mutagenic dermal exposure time first phase) hours/event	0.54	0.54
ET_{2-6} (mutagenic dermal exposure time second phase) hours/event	0.54	0.54
ET_{6-16} (mutagenic dermal exposure time third phase) hours/event	0.71	0.71

Output generated 11AUG2025:15:45:58

Site-specific
Resident Tap Water Inputs

Variable	Resident Tap Water Default Value	Site-Specific Value
ET_{16-26} (mutagenic dermal exposure time fourth phase) hours/event	0.71	0.71
ET_{res-a} (dermal exposure time - adult) hours/event	0.71	0.71
ET_{res-c} (dermal exposure time - child) hours/event	0.54	0.54
ET_{0-2} (mutagenic inhalation exposure time first phase) hours/day	24	24
ET_{2-6} (mutagenic inhalation exposure time second phase) hours/day	24	24
ET_{6-16} (mutagenic inhalation exposure time third phase) hours/day	24	24
ET_{16-26} (mutagenic inhalation exposure time fourth phase) hours/day	24	24
ET_{res-a} (inhalation exposure time - adult) hours/day	24	24
ET_{res-c} (inhalation exposure time - child) hours/day	24	24
EV_{0-2} (mutagenic events) per day	1	1
EV_{2-6} (mutagenic events) per day	1	1
EV_{6-16} (mutagenic events) per day	1	1
EV_{16-26} (mutagenic events) per day	1	1
EV_{res-a} (events - adult) per day	1	1
EV_{res-c} (events - child) per day	1	1
THQ (target hazard quotient) unitless	0.1	1
$IFW_{res-adj}$ (adjusted intake factor) L/kg	327.95	327.95
$IFWM_{res-adj}$ (mutagenic adjusted intake factor) L/kg	1019.9	1019.9
IRW_{0-2} (mutagenic water intake rate) L/day	0.78	0.78
IRW_{2-6} (mutagenic water intake rate) L/day	0.78	0.78
IRW_{6-16} (mutagenic water intake rate) L/day	2.5	2.5
IRW_{16-26} (mutagenic water intake rate) L/day	2.5	2.5
IRW_{res-a} (water intake rate - adult) L/day	2.5	2.5
IRW_{res-c} (water intake rate - child) L/day	0.78	0.78
K (volatilization factor of Andelman) L/m^3	0.5	0.5
LT (lifetime) years	70	70
SA_{0-2} (mutagenic skin surface area) cm^2	6365	6365
SA_{2-6} (mutagenic skin surface area) cm^2	6365	6365

Output generated 11AUG2025:15:45:58

Site-specific
Resident Tap Water Inputs

Variable	Resident Tap Water Default Value	Site-Specific Value
$SA_{6\text{-}16}$ (mutagenic skin surface area) cm^2	19652	19652
$SA_{16\text{-}26}$ (mutagenic skin surface area) cm^2	19652	19652
$SA_{res\text{-}a}$ (skin surface area - adult) cm^2	19652	19652
$SA_{res\text{-}c}$ (skin surface area - child) cm^2	6365	6365
l_{sc} (apparent thickness of stratum corneum) cm	0.001	0.001
TR (target risk) unitless	1.0E-06	1.0E-05

Output generated 11AUG2025:15:45:58

Site-specific

Resident Risk-Based Regional Screening Levels (RSL) for Tap Water

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; T = ATSDR DRAFT; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = OW; R = ORD; N = WI; W = TEF applied; E = RPF applied; G = see user guide; U = user provided; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = ceiling limit exceeded; sat = Csat exceeded.

Chemical	CAS Number	Mutagen?	Volatile?	Chemical Analytical Type	SF_o (mg/kg-day)$^{-1}$	SF_o Ref	IUR (ug/m^3)$^{-1}$	IUR Ref	RfD (mg/kg-day)	RfD Ref	RfC (mg/m^3)	RfC Ref	GIABS	K_p (cm/hr)	MW
Cobalt	7440-48-4	No	No	Inorganics	-		9.00E-03	U	3.00E-04	U	6.00E-06	U	1	4.00E-04	58.93
Copper	7440-50-8	No	No	Inorganics	-		-		4.00E-02	U	-		1	1.00E-03	63.546
Dichloroethane, 1,1-	75-34-3	No	Yes	Organics	5.70E-03	U	1.60E-06	U	2.00E-01	U	-		1	6.75E-03	98.96

B (unitless)	t^* (hr)	τ_{event} (hr/event)	FA (unitless)	In EPD?	$DA_{event\ (ca)}$	DA_{event} (nc child)	DA_{event} (nc adult)	MCL (ug/L)	Ingestion SL TR=1E-05 (ug/L)	Dermal SL TR=1E-05 (ug/L)	Inhalation SL TR=1E-05 (ug/L)	Carcinogenic SL TR=1E-05 (ug/L)	Ingestion SL Child THQ=1 (ug/L)
1.18E-03	5.40E-01	2.25E-01	1	Yes	-	7.37E-04	1.27E-03	-	-	-	-	-	6.02E+00
3.07E-03	5.73E-01	2.39E-01	1	Yes	-	9.83E-02	1.70E-01	1.30E+03	-	-	-	-	8.02E+02
2.58E-02	9.04E-01	3.77E-01	1	Yes	1.72E-02	4.92E-01	8.49E-01	-	1.37E+02	1.83E+03	3.51E+01	2.75E+01	4.01E+03

Dermal SL Child THQ=1 (ug/L)	Inhalation SL Child THQ=1 (ug/L)	Noncarcinogenic SL Child THI=1 (ug/L)	Ingestion SL Adult THQ=1 (ug/L)	Dermal SL Adult THQ=1 (ug/L)	Inhalation SL Adult THQ=1 (ug/L)	Noncarcinogenic SL Adult THI=1 (ug/L)	Screening Level (ug/L)
3.41E+03	-	6.01E+00	1.00E+01	4.48E+03	-	9.99E+00	6.01E+00 nc
1.82E+05	-	7.99E+02	1.33E+03	2.39E+05	-	1.33E+03	7.99E+02 nc
5.84E+04	-	3.75E+03	6.67E+03	8.80E+04	-	6.20E+03	2.75E+01 ca

APPENDIX F

Groundwater Background Concentration Calculations

ATTACHMENT E-13
BACKGROUND CONCENTRATION CALCULATIONS

Statistical methods appropriate for the groundwater monitoring data were used to calculate background concentrations at the 95% Upper Confidence Level (95UCL). These calculated values are representative background concentrations to be used as the groundwater protection standard (GPS). Hazardous constituents listed in §264.94 Table 1 were not calculated, and Table 1 values were used for the GPS.

The three background wells (MW-2, MW-10, and MW-11) were used as a collective sample population representative of Upper Residuum conditions and representing the same statistical test population. All available data from 1995 through September 2015 were used in the statistical analysis.

The ProUCL 5.0 statistical software and technical guidance were used calculate the 95% UCL background concentration. For Amenable Cyanide and Total Cyanide, there has been only one detection in background wells, and statistical analysis is not possible. Therefore the Practical Quantification Limit (PQL) has been used as the GPS for these constituents. The ProUCL guidance recommends that, when the number of detected concentrations is less than six observations and/or the detection frequency is low (<4%–6%), alternative measures be used to express the representative background concentration, such as the PQL.

To perform the statistical analysis, all of the available background well data were converted to ProUCL input format, and testing was performed in accordance with the technical guidance for left skewed data (many non-detects, or NDs) with multiple ND detection levels. The ProUCL package is described by the authors as exceptionally suited and simplified for this type of data population (high ND percentage with varying ND limits).

The data population characteristics and test outcomes are summarized in the table “Summary: Proposed Background Concentrations and Groundwater Protection Standards (GPS)” on the following page.

Raw ProUCL output for Amenable Cyanide, Total Cyanide, Cobalt, Copper, Nickel, Vanadium, and Lead are included at the end of this Attachment. The raw input data used in the analysis is provided on the attached CD to be available for 3rd party inspection and testing.

Summary: Proposed Background Concentrations and Groundwater Protection Standards (GPS)

	Table 1 GPS	# Obs	# Detects	# NDs	% NDs	KM (4) 95% UCL	Detect Mean	Detect Max	Proposed GPS	Explanation
Amenable Cyanide		109	1	108	99.1%	(1)	(1)	(1)	0.01	PQL (3)
Total Cyanide		112	1	111	99.1%	(1)	(1)	(1)	0.01	PQL (3)
Barium	1	111	8	103	92.8%	(2)	(2)	(2)	1	Table 1
Chromium	0.05	111	3	108	97.3%	(2)	(2)	(2)	0.05	Table 1
Cobalt		111	19	92	82.9%	0.0086	0.016	0.045	0.0086	Kaplan-Meier
Copper		111	2	109	98.2%	0.0071	0.0065	0.007	0.0071	Kaplan-Meier
Lead	0.05	111	3	108	97.3%	(2)	(2)	(2)	0.05	Table 1
Mercury	0.002	111	0	111	100.0%	(2)	(2)	(2)	0.002	Table 1
Nickel		111	5	106	95.5%	0.0102	0.042	0.12	0.0102	Kaplan-Meier
Selenium	0.01	111	0	111	100.0%	(2)	(2)	(2)	0.01	Table 1
Vanadium		111	7	104	93.7%	0.011	0.023	0.038	0.011	Kaplan-Meier
Zinc		111	8	103	92.8%	0.032	0.097	0.3	0.032	Kaplan-Meier

Notes: (1) - Insufficent detections for calculation

(2) - Not calculated, obtained from Maximum Concentration for Groundwater Protection (40 CFR 264.94 Table 1)

(3) - Too few detections, laboratory practical quantification limit (PQL) used

(4) - Kaplan-Meier 95% Upper Confidence Limit used

All units in mg/L

	Normal Background Statistics for Data Sets with Non-Detects
User Selected Options	
Date/Time of Computation	1/27/2016 4:53:00 PM
From File	York Multicolumn ProUCL Background Only.xls
Full Precision	OFF
Confidence Coefficient	95%
Coverage	95%
Different or Future K Observations	1

ACN

General Statistics

Total Number of Observations	109	Number of Distinct Observations	3
Number of Detects	1	Number of Non-Detects	108
Number of Distinct Detects	1	Number of Distinct Non-Detects	3
Minimum Detect	0.01	Minimum Non-Detect	0.01
Maximum Detect	0.01	Maximum Non-Detect	0.04
Variance Detected	N/A	Percent Non-Detects	99.08%
Mean Detected	0.01	SD Detected	N/A
Mean of Detected Logged Data	-4.605	SD of Detected Logged Data	N/A

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable ACN was not processed!

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	1/27/2016 4:56:11 PM
From File	York Multicolumn ProUCL Background Only_b.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Co

General Statistics

Total Number of Observations	111	Number of Distinct Observations	16
Number of Detects	19	Number of Non-Detects	92
Number of Distinct Detects	14	Number of Distinct Non-Detects	3
Minimum Detect	0.006	Minimum Non-Detect	0.0075
Maximum Detect	0.045	Maximum Non-Detect	0.02
Variance Detects	8.1428E-5	Percent Non-Detects	82.88%
Mean Detects	0.0158	SD Detects	0.00902
Median Detects	0.011	CV Detects	0.573
Skewness Detects	2.129	Kurtosis Detects	5.498
Mean of Logged Detects	-4.267	SD of Logged Detects	0.47

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.765	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.901	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.227	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.203	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.00771	Standard Error of Mean	5.0843E-4
SD	0.00519	95% KM (BCA) UCL	0.0113
95% KM (t) UCL	0.00855	95% KM (Percentile Bootstrap) UCL	0.00998
95% KM (z) UCL	0.00854	95% KM Bootstrap t UCL	0.00882
90% KM Chebyshev UCL	0.00923	95% KM Chebyshev UCL	0.00992
97.5% KM Chebyshev UCL	0.0109	99% KM Chebyshev UCL	0.0128

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.951	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.744	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.236	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.199	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	4.457	k star (bias corrected MLE)	3.788
Theta hat (MLE)	0.00353	Theta star (bias corrected MLE)	0.00416
nu hat (MLE)	169.4	nu star (bias corrected)	144
MLE Mean (bias corrected)	0.0158	MLE Sd (bias corrected)	0.00809

Gamma Kaplan-Meier (KM) Statistics			
k hat (KM)	2.208	nu hat (KM)	490.2
Approximate Chi Square Value (490.19, α)	439.9	Adjusted Chi Square Value (490.19, β)	439.2
95% Gamma Approximate KM-UCL (use when n>=50)	0.00859	95% Gamma Adjusted KM-UCL (use when n<50)	0.0086

Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.006	Mean	0.011
Maximum	0.045	Median	0.01
SD	0.00425	CV	0.387
k hat (MLE)	14.03	k star (bias corrected MLE)	13.66
Theta hat (MLE)	7.8270E-4	Theta star (bias corrected MLE)	8.0409E-4
nu hat (MLE)	3116	nu star (bias corrected)	3033
MLE Mean (bias corrected)	0.011	MLE Sd (bias corrected)	0.00297
		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (N/A, α)	2906	Adjusted Chi Square Value (N/A, β)	2904
95% Gamma Approximate UCL (use when n>=50)	0.0115	95% Gamma Adjusted UCL (use when n<50)	0.0115

Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.916	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.901	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.223	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.203	Detected Data Not Lognormal at 5% Significance Level	
Detected Data appear Approximate Lognormal at 5% Significance Level			

Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.00634	Mean in Log Scale	-5.356
SD in Original Scale	0.00601	SD in Log Scale	0.755
95% t UCL (assumes normality of ROS data)	0.00729	95% Percentile Bootstrap UCL	0.00736
95% BCA Bootstrap UCL	0.0075	95% Bootstrap t UCL	0.00761
95% H-UCL (Log ROS)	0.00726		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed			
KM Mean (logged)	-4.967	95% H-UCL (KM -Log)	0.00796
KM SD (logged)	0.374	95% Critical H Value (KM-Log)	1.768
KM Standard Error of Mean (logged)	0.0369		

DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.007	Mean in Log Scale	-5.102
SD in Original Scale	0.0055	SD in Log Scale	0.447
95% t UCL (Assumes normality)	0.00786	95% H-Stat UCL	0.00726
DL/2 is not a recommended method, provided for comparisons and historical reasons			

Nonparametric Distribution Free UCL Statistics
Detected Data appear Approximate Lognormal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.00855	95% KM (% Bootstrap) UCL					0.00998
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
Recommendations are based upon data size, data distribution, and skewness.							
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).							
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.							

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	1/27/2016 4:57:38 PM
From File	York Multicolumn ProUCL Background Only_d.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Cu

General Statistics

Total Number of Observations	111	Number of Distinct Observations	6
Number of Detects	2	Number of Non-Detects	109
Number of Distinct Detects	2	Number of Distinct Non-Detects	4
Minimum Detect	0.006	Minimum Non-Detect	0.005
Maximum Detect	0.007	Maximum Non-Detect	0.05
Variance Detects	5.0000E-7	Percent Non-Detects	98.2%
Mean Detects	0.0065	SD Detects	7.0711E-4
Median Detects	0.0065	CV Detects	0.109
Skewness Detects	N/A	Kurtosis Detects	N/A
Mean of Logged Detects	-5.039	SD of Logged Detects	0.109

Warning: Data set has only 2 Detected Values.

This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only

Not Enough Data to Perform GOF Test

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.006	Standard Error of Mean	6.6667E-4
SD	8.1650E-4	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.00711	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.0071	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.008	95% KM Chebyshev UCL	0.00891
97.5% KM Chebyshev UCL	0.0102	99% KM Chebyshev UCL	0.0126

Gamma GOF Tests on Detected Observations Only

Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	168.7	k star (bias corrected MLE)	N/A
Theta hat (MLE)	3.8538E-5	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	674.7	nu star (bias corrected)	N/A
MLE Mean (bias corrected)	N/A	MLE Sd (bias corrected)	N/A

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	54	nu hat (KM)	11988
		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (N/A, α)	11734	Adjusted Chi Square Value (N/A, β)	11731

95% Gamma Approximate KM-UCL (use when n>=50)	0.00613	95% Gamma Adjusted KM-UCL (use when n<50)	0.00613

Lognormal GOF Test on Detected Observations Only

Not Enough Data to Perform GOF Test

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.00595	Mean in Log Scale	-5.151
SD in Original Scale	0.00138	SD in Log Scale	0.231
95% t UCL (assumes normality of ROS data)	0.00617	95% Percentile Bootstrap UCL	0.00617
95% BCA Bootstrap UCL	0.00617	95% Bootstrap t UCL	0.00618
95% H-UCL (Log ROS)	0.00618		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.0226	Mean in Log Scale	-3.889
SD in Original Scale	0.00658	SD in Log Scale	0.56
95% t UCL (Assumes normality)	0.0237	95% H-Stat UCL	0.0264

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.00711	95% KM (% Bootstrap) UCL	N/A

Warning: One or more Recommended UCL(s) not available!

Warning: Recommended UCL exceeds the maximum observation

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	1/27/2016 4:58:19 PM
From File	York Multicolumn ProUCL Background Only_f.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Ni

General Statistics

Total Number of Observations	111	Number of Distinct Observations	8
Number of Detects	5	Number of Non-Detects	106
Number of Distinct Detects	4	Number of Distinct Non-Detects	4
Minimum Detect	0.009	Minimum Non-Detect	0.006
Maximum Detect	0.12	Maximum Non-Detect	0.02
Variance Detects	0.00205	Percent Non-Detects	95.5%
Mean Detects	0.042	SD Detects	0.0452
Median Detects	0.0346	CV Detects	1.076
Skewness Detects	1.846	Kurtosis Detects	3.635
Mean of Logged Detects	-3.596	SD of Logged Detects	1.026

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.767	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.365	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.396	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.00808	Standard Error of Mean	0.0013
SD	0.0114	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.0102	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.0102	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.012	95% KM Chebyshev UCL	0.0137
97.5% KM Chebyshev UCL	0.0162	99% KM Chebyshev UCL	0.021

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.392	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.688	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.267	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.363	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.312	k star (bias corrected MLE)	0.658
Theta hat (MLE)	0.032	Theta star (bias corrected MLE)	0.0639
nu hat (MLE)	13.12	nu star (bias corrected)	6.582
MLE Mean (bias corrected)	0.042	MLE Sd (bias corrected)	0.0518

Gamma Kaplan-Meier (KM) Statistics			
k hat (KM)	0.505	nu hat (KM)	112.1
Approximate Chi Square Value (112.12, α)	88.68	Adjusted Chi Square Value (112.12, β)	88.41
95% Gamma Approximate KM-UCL (use when n>=50)	0.0102	95% Gamma Adjusted KM-UCL (use when n<50)	0.0102

Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.009	Mean	0.0115
Maximum	0.12	Median	0.01
SD	0.0109	CV	0.946
k hat (MLE)	5.678	k star (bias corrected MLE)	5.53
Theta hat (MLE)	0.00203	Theta star (bias corrected MLE)	0.00209
nu hat (MLE)	1260	nu star (bias corrected)	1228
MLE Mean (bias corrected)	0.0115	MLE Sd (bias corrected)	0.00491
		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (N/A, α)	1147	Adjusted Chi Square Value (N/A, β)	1146
95% Gamma Approximate UCL (use when n>=50)	0.0124	95% Gamma Adjusted UCL (use when n<50)	0.0124

Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.928	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.21	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.396	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			

Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.00357	Mean in Log Scale	-7.306
SD in Original Scale	0.0124	SD in Log Scale	1.82
95% t UCL (assumes normality of ROS data)	0.00552	95% Percentile Bootstrap UCL	0.00565
95% BCA Bootstrap UCL	0.00732	95% Bootstrap t UCL	0.00869
95% H-UCL (Log ROS)	0.00603		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed			
KM Mean (logged)	-4.986	95% H-UCL (KM -Log)	0.00787
KM SD (logged)	0.387	95% Critical H Value (KM-Log)	1.775
KM Standard Error of Mean (logged)	0.0766		

DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.00679	Mean in Log Scale	-5.212
SD in Original Scale	0.0116	SD in Log Scale	0.43
95% t UCL (Assumes normality)	0.00861	95% H-Stat UCL	0.00644
DL/2 is not a recommended method, provided for comparisons and historical reasons			

Nonparametric Distribution Free UCL Statistics
Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.0102	95% KM (Percentile Bootstrap) UCL	N/A
Warning: One or more Recommended UCL(s) not available!			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	1/27/2016 4:59:04 PM
From File	York Multicolumn ProUCL Background Only_i.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

TCN

General Statistics

Total Number of Observations	112	Number of Distinct Observations	3
Number of Detects	1	Number of Non-Detects	111
Number of Distinct Detects	1	Number of Distinct Non-Detects	3

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!

It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable TCN was not processed!

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	1/27/2016 4:59:35 PM
From File	York Multicolumn ProUCL Background Only_j.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

V

General Statistics

Total Number of Observations	111	Number of Distinct Observations	9
Number of Detects	7	Number of Non-Detects	104
Number of Distinct Detects	6	Number of Distinct Non-Detects	3
Minimum Detect	0.0111	Minimum Non-Detect	0.0075
Maximum Detect	0.038	Maximum Non-Detect	0.05
Variance Detects	9.9540E-5	Percent Non-Detects	93.69%
Mean Detects	0.0234	SD Detects	0.00998
Median Detects	0.018	CV Detects	0.426
Skewness Detects	0.443	Kurtosis Detects	-1.423
Mean of Logged Detects	-3.834	SD of Logged Detects	0.44

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.911	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.803	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.279	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.335	Detected Data appear Normal at 5% Significance Level

Detected Data appear Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.00942	Standard Error of Mean	8.6586E-4
SD	0.00611	95% KM (BCA) UCL	0.0112
95% KM (t) UCL	0.0109	95% KM (Percentile Bootstrap) UCL	0.011
95% KM (z) UCL	0.0108	95% KM Bootstrap t UCL	0.011
90% KM Chebyshev UCL	0.012	95% KM Chebyshev UCL	0.0132
97.5% KM Chebyshev UCL	0.0148	99% KM Chebyshev UCL	0.018

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.372	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.709	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.264	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.313	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	6.358	k star (bias corrected MLE)	3.728
Theta hat (MLE)	0.00369	Theta star (bias corrected MLE)	0.00629
nu hat (MLE)	89.01	nu star (bias corrected)	52.2
MLE Mean (bias corrected)	0.0234	MLE Sd (bias corrected)	0.0121

Gamma Kaplan-Meier (KM) Statistics			
k hat (KM)	2.383	nu hat (KM)	529
Approximate Chi Square Value (529.01, α)	476.7	Adjusted Chi Square Value (529.01, β)	476
95% Gamma Approximate KM-UCL (use when n>=50)	0.0105	95% Gamma Adjusted KM-UCL (use when n<50)	0.0105

Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.0115
Maximum	0.038	Median	0.01
SD	0.00518	CV	0.45
k hat (MLE)	9.647	k star (bias corrected MLE)	9.392
Theta hat (MLE)	0.00119	Theta star (bias corrected MLE)	0.00123
nu hat (MLE)	2142	nu star (bias corrected)	2085
MLE Mean (bias corrected)	0.0115	MLE Sd (bias corrected)	0.00376
		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (N/A, α)	1980	Adjusted Chi Square Value (N/A, β)	1979
95% Gamma Approximate UCL (use when n>=50)	0.0121	95% Gamma Adjusted UCL (use when n<50)	0.0121

Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.931	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.803	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.233	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.335	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			

Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.00547	Mean in Log Scale	-5.905
SD in Original Scale	0.00755	SD in Log Scale	1.209
95% t UCL (assumes normality of ROS data)	0.00666	95% Percentile Bootstrap UCL	0.00667
95% BCA Bootstrap UCL	0.00681	95% Bootstrap t UCL	0.00692
95% H-UCL (Log ROS)	0.00747		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed			
KM Mean (logged)	-4.765	95% H-UCL (KM -Log)	0.00973
KM SD (logged)	0.373	95% Critical H Value (KM-Log)	1.768
KM Standard Error of Mean (logged)	0.0529		

DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.0157	Mean in Log Scale	-4.448
SD in Original Scale	0.0102	SD in Log Scale	0.817
95% t UCL (Assumes normality)	0.0173	95% H-Stat UCL	0.0192
DL/2 is not a recommended method, provided for comparisons and historical reasons			

Nonparametric Distribution Free UCL Statistics
Detected Data appear Normal Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.0109	95% KM (Percentile Bootstrap) UCL					0.011
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.							
Recommendations are based upon data size, data distribution, and skewness.							
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).							
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.							

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	1/27/2016 5:00:53 PM
From File	York Multicolumn ProUCL Background Only_k.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Zn

General Statistics

Total Number of Observations	111	Number of Distinct Observations	13
Number of Detects	8	Number of Non-Detects	103
Number of Distinct Detects	8	Number of Distinct Non-Detects	6
Minimum Detect	0.00768	Minimum Non-Detect	0.0075
Maximum Detect	0.3	Maximum Non-Detect	1
Variance Detects	0.0075	Percent Non-Detects	92.79%
Mean Detects	0.0967	SD Detects	0.0866
Median Detects	0.0775	CV Detects	0.895
Skewness Detects	2.228	Kurtosis Detects	5.922
Mean of Logged Detects	-2.687	SD of Logged Detects	1.016

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.711	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.818	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.36	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.313	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	0.0226	Standard Error of Mean	0.00586
SD	0.0387	95% KM (BCA) UCL	0.033
95% KM (t) UCL	0.0324	95% KM (Percentile Bootstrap) UCL	0.0332
95% KM (z) UCL	0.0323	95% KM Bootstrap t UCL	0.0326
90% KM Chebyshev UCL	0.0402	95% KM Chebyshev UCL	0.0482
97.5% KM Chebyshev UCL	0.0592	99% KM Chebyshev UCL	0.0809

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.71	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.728	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.253	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.299	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	1.571	k star (bias corrected MLE)	1.065
Theta hat (MLE)	0.0616	Theta star (bias corrected MLE)	0.0908
nu hat (MLE)	25.14	nu star (bias corrected)	17.04
MLE Mean (bias corrected)	0.0967	MLE Sd (bias corrected)	0.0937

Gamma Kaplan-Meier (KM) Statistics			
k hat (KM)	0.343	nu hat (KM)	76.09
Approximate Chi Square Value (76.09, α)	57	Adjusted Chi Square Value (76.09, β)	56.78
95% Gamma Approximate KM-UCL (use when n>=50)	0.0302	95% Gamma Adjusted KM-UCL (use when n<50)	0.0303

Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.00768	Mean	0.024
Maximum	0.3	Median	0.01
SD	0.0369	CV	1.537
k hat (MLE)	1.196	k star (bias corrected MLE)	1.17
Theta hat (MLE)	0.0201	Theta star (bias corrected MLE)	0.0205
nu hat (MLE)	265.5	nu star (bias corrected)	259.7
MLE Mean (bias corrected)	0.024	MLE Sd (bias corrected)	0.0222
		Adjusted Level of Significance (β)	0.0478
Approximate Chi Square Value (259.70, α)	223.4	Adjusted Chi Square Value (259.70, β)	222.9
95% Gamma Approximate UCL (use when n>=50)	0.0279	95% Gamma Adjusted UCL (use when n<50)	0.028

Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.818	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.818	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.299	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.313	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			

Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.0209	Mean in Log Scale	-4.668
SD in Original Scale	0.0355	SD in Log Scale	1.266
95% t UCL (assumes normality of ROS data)	0.0265	95% Percentile Bootstrap UCL	0.027
95% BCA Bootstrap UCL	0.0287	95% Bootstrap t UCL	0.0297
95% H-UCL (Log ROS)	0.0282		

UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed			
KM Mean (logged)	-4.44	95% H-UCL (KM -Log)	0.0222
KM SD (logged)	0.937	95% Critical H Value (KM-Log)	2.158
KM Standard Error of Mean (logged)	0.172		

DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.101	Mean in Log Scale	-2.925
SD in Original Scale	0.146	SD in Log Scale	1.05
95% t UCL (Assumes normality)	0.124	95% H-Stat UCL	0.117
DL/2 is not a recommended method, provided for comparisons and historical reasons			

Nonparametric Distribution Free UCL Statistics
Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.0324	95% GROS Approximate Gamma UCL	0.0279
95% Approximate Gamma KM-UCL	0.0302		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

location	well	date	ACN	D_ACN
UP	MW-02	**35121.0**	0.01	0
UP	MW-02	**35242.0**	0.01	0
UP	MW-02	**35334.0**	0.01	0
UP	MW-02	**35515.0**	0.02	0
UP	MW-02	**35699.0**	0.02	0
UP	MW-02	**35880.0**	0.02	0
UP	MW-02	**36033.0**	0.01	0
UP	MW-02	**36245.0**	0.02	0
UP	MW-02	**36398.0**	0.02	0
UP	MW-02	**36611.0**	0.04	0
UP	MW-02	**36795.0**	0.02	0
UP	MW-02	**36976.0**	0.02	0
UP	MW-02	**37129.0**	0.02	0
UP	MW-02	**37341.0**	0.02	0
UP	MW-02	**37494.0**	0.02	0
UP	MW-02	**37706.0**	0.02	0
UP	MW-02	**37828.0**	0.02	0
UP	MW-02	**38072.0**	0.02	0
UP	MW-02	**38225.0**	0.02	0
UP	MW-02	**38437.0**	0.01	0
UP	MW-02	**38621.0**	0.01	0
UP	MW-02	**38802.0**	0.01	0
UP	MW-02	**38986.0**	0.02	0
UP	MW-02	**39167.0**	0.02	0
UP	MW-02	**39320.0**	0.02	0
UP	MW-02	**39533.0**	0.02	0
UP	MW-02	**39717.0**	0.02	0
UP	MW-02	**39898.0**	0.02	0
UP	MW-02	**40082.0**	0.02	0
UP	MW-02	**40263.0**	0.02	0
UP	MW-02	**40447.0**	0.02	0
UP	MW-02	**40628.0**	0.02	0
UP	MW-02	**40812.0**	0.02	0
UP	MW-02	**40994.0**	0.02	0
UP	MW-02	**41178.0**	0.02	0
UP	MW-02	**41359.0**	0.02	0
UP	MW-02	**41543.0**	0.02	0
UP	MW-02	**41724.0**	0.02	0
UP	MW-02	**41908.0**	0.01	0
UP	MW-02	**42089.0**	0.01	0
UP	MW-02	**42273.0**	0.01	0
UP	MW-10	**35121.0**	0.01	0
UP	MW-10	**35242.0**	0.01	0
UP	MW-10	**35334.0**	0.01	0
UP	MW-10	**35515.0**	0.02	0
UP	MW-10	**35699.0**	0.02	0
UP	MW-10	**35880.0**	0.02	0
UP	MW-10	**36033.0**	0.01	0
UP	MW-10	**36245.0**	0.02	0
UP	MW-10	**36398.0**	0.02	0
UP	MW-10	**36611.0**	0.04	0
UP	MW-10	**36976.0**	0.02	0
UP	MW-10	**37129.0**	0.02	0
UP	MW-10	**37341.0**	0.02	0
UP	MW-10	**37706.0**	0.02	0
UP	MW-10	**37828.0**	0.02	0
UP	MW-10	**38072.0**	0.02	0

UP	MW-10	**38225.0**	0.02	0
UP	MW-10	**38437.0**	0.01	0
UP	MW-10	**38621.0**	0.01	0
UP	MW-10	**38802.0**	0.01	0
UP	MW-10	**38986.0**	0.02	0
UP	MW-10	**39167.0**	0.02	0
UP	MW-10	**40263.0**	0.02	0
UP	MW-10	**40447.0**	0.02	0
UP	MW-10	**40628.0**	0.02	0
UP	MW-10	**40994.0**	0.02	0
UP	MW-10	**41724.0**	0.02	0
UP	MW-11	**35121.0**	0.01	0
UP	MW-11	**35272.0**	0.01	0
UP	MW-11	**35334.0**	0.01	0
UP	MW-11	**35515.0**	0.02	0
UP	MW-11	**35699.0**	0.02	0
UP	MW-11	**35880.0**	0.02	0
UP	MW-11	**36033.0**	0.01	1
UP	MW-11	**36094.0**	0.02	0
UP	MW-11	**36245.0**	0.02	0
UP	MW-11	**36398.0**	0.02	0
UP	MW-11	**36611.0**	0.04	0
UP	MW-11	**36795.0**	0.02	0
UP	MW-11	**36976.0**	0.02	0
UP	MW-11	**37129.0**	0.02	0
UP	MW-11	**37341.0**	0.02	0
UP	MW-11	**37706.0**	0.02	0
UP	MW-11	**37828.0**	0.02	0
UP	MW-11	**38072.0**	0.02	0
UP	MW-11	**38225.0**	0.02	0
UP	MW-11	**38437.0**	0.02	0
UP	MW-11	**38621.0**	0.02	0
UP	MW-11	**38802.0**	0.02	0
UP	MW-11	**38986.0**	0.02	0
UP	MW-11	**39167.0**	0.02	0
UP	MW-11	**39320.0**	0.02	0
UP	MW-11	**39533.0**	0.02	0
UP	MW-11	**39717.0**	0.02	0
UP	MW-11	**39898.0**	0.02	0
UP	MW-11	**40082.0**	0.02	0
UP	MW-11	**40263.0**	0.02	0
UP	MW-11	**40447.0**	0.02	0
UP	MW-11	**40628.0**	0.02	0
UP	MW-11	**40812.0**	0.02	0
UP	MW-11	**40994.0**	0.02	0
UP	MW-11	**41178.0**	0.02	0
UP	MW-11	**41359.0**	0.02	0
UP	MW-11	**41543.0**	0.02	0
UP	MW-11	**41724.0**	0.02	0
UP	MW-11	**41908.0**	0.01	0
UP	MW-11	**42089.0**	0.01	0
UP	MW-11	**42273.0**	0.01	0

location	well	date	Ba	D_Ba
UP	MW-02	34998	0.021	1
UP	MW-02	35121	0.5	0
UP	MW-02	35242	0.5	0
UP	MW-02	35334	0.5	0
UP	MW-02	35515	0.5	0
UP	MW-02	35699	0.5	0
UP	MW-02	35880	0.5	0
UP	MW-02	36033	0.5	0
UP	MW-02	36245	0.5	0
UP	MW-02	36398	0.5	0
UP	MW-02	36611	0.5	0
UP	MW-02	36795	0.5	0
UP	MW-02	36976	0.5	0
UP	MW-02	37129	0.5	0
UP	MW-02	37341	0.5	0
UP	MW-02	37494	0.5	0
UP	MW-02	37706	0.5	0
UP	MW-02	37828	0.5	0
UP	MW-02	38072	0.5	0
UP	MW-02	38225	0.5	0
UP	MW-02	38437	0.05	0
UP	MW-02	38621	0.05	0
UP	MW-02	38802	0.05	0
UP	MW-02	38986	0.5	0
UP	MW-02	39167	0.5	0
UP	MW-02	39320	0.5	0
UP	MW-02	39533	0.5	0
UP	MW-02	39717	0.5	0
UP	MW-02	39898	0.5	0
UP	MW-02	40082	0.5	0
UP	MW-02	40263	0.5	0
UP	MW-02	40447	0.5	0
UP	MW-02	40628	0.5	0
UP	MW-02	40812	0.5	0
UP	MW-02	40994	0.5	0
UP	MW-02	41178	0.5	0
UP	MW-02	41359	0.0075	0
UP	MW-02	41543	0.5	0
UP	MW-02	41724	0.00784	1
UP	MW-02	41908	0.02	0
UP	MW-02	42089	0.02	0
UP	MW-02	42273	0.01	0
UP	MW-10	34998	0.022	1
UP	MW-10	35121	0.5	0
UP	MW-10	35242	0.05	0
UP	MW-10	35334	0.05	0
UP	MW-10	35515	0.5	0
UP	MW-10	35699	0.5	0
UP	MW-10	35880	0.5	0
UP	MW-10	36033	0.5	0
UP	MW-10	36245	0.5	0
UP	MW-10	36398	0.5	0
UP	MW-10	36611	0.5	0
UP	MW-10	36976	0.5	0
UP	MW-10	37129	0.5	0
UP	MW-10	37341	0.5	0
UP	MW-10	37706	0.5	0

UP	MW-10	37828	0.5	0
UP	MW-10	38072	0.5	0
UP	MW-10	38225	0.5	0
UP	MW-10	38437	0.05	0
UP	MW-10	38621	0.05	0
UP	MW-10	38802	0.05	0
UP	MW-10	38986	0.5	0
UP	MW-10	39167	0.5	0
UP	MW-10	40263	0.5	0
UP	MW-10	40447	0.5	0
UP	MW-10	40628	0.5	0
UP	MW-10	40994	0.5	0
UP	MW-10	41724	0.0244	1
UP	MW-11	34998	0.036	1
UP	MW-11	35121	0.5	0
UP	MW-11	35272	0.5	0
UP	MW-11	35334	0.5	0
UP	MW-11	35515	0.5	0
UP	MW-11	35699	0.5	0
UP	MW-11	35880	0.5	0
UP	MW-11	36033	0.5	0
UP	MW-11	36245	0.5	0
UP	MW-11	36398	0.5	0
UP	MW-11	36611	0.5	0
UP	MW-11	36795	0.5	0
UP	MW-11	36976	0.5	0
UP	MW-11	37129	0.5	0
UP	MW-11	37341	0.5	0
UP	MW-11	37706	0.5	0
UP	MW-11	37828	0.5	0
UP	MW-11	38072	0.5	0
UP	MW-11	38225	0.5	0
UP	MW-11	38437	0.05	0
UP	MW-11	38621	0.05	0
UP	MW-11	38802	0.05	0
UP	MW-11	38986	0.05	0
UP	MW-11	39167	0.05	0
UP	MW-11	39320	0.05	0
UP	MW-11	39533	0.05	0
UP	MW-11	39717	0.05	0
UP	MW-11	39898	0.05	0
UP	MW-11	40082	0.5	0
UP	MW-11	40263	0.5	0
UP	MW-11	40447	0.5	0
UP	MW-11	40628	0.5	0
UP	MW-11	40812	0.5	0
UP	MW-11	40994	0.5	0
UP	MW-11	41178	0.5	0
UP	MW-11	41359	0.0099	1
UP	MW-11	41543	0.5	0
UP	MW-11	41724	0.0104	1
UP	MW-11	41908	0.02	0
UP	MW-11	42089	0.0214	1
UP	MW-11	42273	0.01	0

location	well	date	Co	D_Co
UP	MW-02	34998	0.015	1
UP	MW-02	35121	0.01	1
UP	MW-02	35242	0.01	0
UP	MW-02	35334	0.01	0
UP	MW-02	35515	0.01	0
UP	MW-02	35699	0.01	0
UP	MW-02	35880	0.01	0
UP	MW-02	36033	0.01	0
UP	MW-02	36245	0.011	1
UP	MW-02	36398	0.01	0
UP	MW-02	36611	0.019	1
UP	MW-02	36795	0.01	1
UP	MW-02	36976	0.01	0
UP	MW-02	37129	0.01	1
UP	MW-02	37341	0.01	0
UP	MW-02	37494	0.01	0
UP	MW-02	37706	0.01	0
UP	MW-02	37828	0.01	0
UP	MW-02	38072	0.01	0
UP	MW-02	38225	0.01	0
UP	MW-02	38437	0.0162	1
UP	MW-02	38621	0.0267	1
UP	MW-02	38802	0.01	0
UP	MW-02	38986	0.01	0
UP	MW-02	39167	0.01	0
UP	MW-02	39320	0.01	0
UP	MW-02	39533	0.01	0
UP	MW-02	39717	0.01	0
UP	MW-02	39898	0.01	0
UP	MW-02	40082	0.01	0
UP	MW-02	40263	0.045	1
UP	MW-02	40447	0.018	1
UP	MW-02	40628	0.011	1
UP	MW-02	40812	0.01	0
UP	MW-02	40994	0.01	0
UP	MW-02	41178	0.01	0
UP	MW-02	41359	0.0075	0
UP	MW-02	41543	0.0262	1
UP	MW-02	41724	0.0187	1
UP	MW-02	41908	0.02	0
UP	MW-02	42089	0.02	0
UP	MW-02	42273	0.01	0
UP	MW-10	34998	0.006	1
UP	MW-10	35121	0.01	0
UP	MW-10	35242	0.01	0
UP	MW-10	35334	0.01	0
UP	MW-10	35515	0.01	0
UP	MW-10	35699	0.01	0
UP	MW-10	35880	0.01	0
UP	MW-10	36033	0.01	0
UP	MW-10	36245	0.01	0
UP	MW-10	36398	0.01	0
UP	MW-10	36611	0.01	0
UP	MW-10	36976	0.01	0
UP	MW-10	37129	0.01	0
UP	MW-10	37341	0.01	0
UP	MW-10	37706	0.01	0

UP	MW-10	37828	0.0109	1
UP	MW-10	38072	0.01	0
UP	MW-10	38225	0.01	0
UP	MW-10	38437	0.01	0
UP	MW-10	38621	0.01	0
UP	MW-10	38802	0.01	0
UP	MW-10	38986	0.01	0
UP	MW-10	39167	0.01	0
UP	MW-10	40263	0.01	0
UP	MW-10	40447	0.01	0
UP	MW-10	40628	0.01	0
UP	MW-10	40994	0.01	0
UP	MW-10	41724	0.0075	0
UP	MW-11	34998	0.015	1
UP	MW-11	35121	0.01	0
UP	MW-11	35272	0.01	0
UP	MW-11	35334	0.01	0
UP	MW-11	35515	0.01	0
UP	MW-11	35699	0.01	0
UP	MW-11	35880	0.01	0
UP	MW-11	36033	0.01	0
UP	MW-11	36245	0.01	0
UP	MW-11	36398	0.01	0
UP	MW-11	36611	0.01	0
UP	MW-11	36795	0.01	0
UP	MW-11	36976	0.01	0
UP	MW-11	37129	0.01	0
UP	MW-11	37341	0.01	0
UP	MW-11	37706	0.01	0
UP	MW-11	37828	0.01	0
UP	MW-11	38072	0.01	0
UP	MW-11	38225	0.01	0
UP	MW-11	38437	0.01	0
UP	MW-11	38621	0.01	0
UP	MW-11	38802	0.01	0
UP	MW-11	38986	0.01	0
UP	MW-11	39167	0.01	0
UP	MW-11	39320	0.01	0
UP	MW-11	39533	0.01	0
UP	MW-11	39717	0.01	0
UP	MW-11	39898	0.01	0
UP	MW-11	40082	0.01	0
UP	MW-11	40263	0.01	0
UP	MW-11	40447	0.01	0
UP	MW-11	40628	0.01	1
UP	MW-11	40812	0.01	0
UP	MW-11	40994	0.0104	1
UP	MW-11	41178	0.01	0
UP	MW-11	41359	0.01	0
UP	MW-11	41543	0.01	0
UP	MW-11	41724	0.0102	1
UP	MW-11	41908	0.02	0
UP	MW-11	42089	0.02	0
UP	MW-11	42273	0.01	0

location	well	date	Cr	D_Cr
UP	MW-02	34998	0.01	0
UP	MW-02	35121	0.05	0
UP	MW-02	35242	0.05	0
UP	MW-02	35334	0.05	0
UP	MW-02	35515	0.012	1
UP	MW-02	35699	0.05	0
UP	MW-02	35880	0.05	0
UP	MW-02	36033	0.05	0
UP	MW-02	36245	0.05	0
UP	MW-02	36398	0.05	0
UP	MW-02	36611	0.05	0
UP	MW-02	36795	0.05	0
UP	MW-02	36976	0.05	0
UP	MW-02	37129	0.05	0
UP	MW-02	37341	0.05	0
UP	MW-02	37494	0.05	0
UP	MW-02	37706	0.05	0
UP	MW-02	37828	0.05	0
UP	MW-02	38072	0.05	0
UP	MW-02	38225	0.05	0
UP	MW-02	38437	0.05	0
UP	MW-02	38621	0.05	0
UP	MW-02	38802	0.05	0
UP	MW-02	38986	0.05	0
UP	MW-02	39167	0.05	0
UP	MW-02	39320	0.05	0
UP	MW-02	39533	0.05	0
UP	MW-02	39717	0.05	0
UP	MW-02	39898	0.05	0
UP	MW-02	40082	0.05	0
UP	MW-02	40263	0.05	0
UP	MW-02	40447	0.05	0
UP	MW-02	40628	0.05	0
UP	MW-02	40812	0.05	0
UP	MW-02	40994	0.05	0
UP	MW-02	41178	0.05	0
UP	MW-02	41359	0.0075	0
UP	MW-02	41543	0.05	0
UP	MW-02	41724	0.0075	0
UP	MW-02	41908	0.01	0
UP	MW-02	42089	0.01	0
UP	MW-02	42273	0.01	0
UP	MW-10	34998	0.01	0
UP	MW-10	35121	0.05	0
UP	MW-10	35242	0.05	0
UP	MW-10	35334	0.05	0
UP	MW-10	35515	0.1	1
UP	MW-10	35699	0.05	0
UP	MW-10	35880	0.05	0
UP	MW-10	36033	0.05	0
UP	MW-10	36245	0.05	0
UP	MW-10	36398	0.05	0
UP	MW-10	36611	0.05	0
UP	MW-10	36976	0.05	0
UP	MW-10	37129	0.05	0
UP	MW-10	37341	0.05	0
UP	MW-10	37706	0.05	0

UP	MW-10	37828	0.05	0
UP	MW-10	38072	0.05	0
UP	MW-10	38225	0.05	0
UP	MW-10	38437	0.05	0
UP	MW-10	38621	0.05	0
UP	MW-10	38802	0.05	0
UP	MW-10	38986	0.05	0
UP	MW-10	39167	0.05	0
UP	MW-10	40263	0.05	0
UP	MW-10	40447	0.05	0
UP	MW-10	40628	0.05	0
UP	MW-10	40994	0.05	0
UP	MW-10	41724	0.0075	0
UP	MW-11	34998	0.017	1
UP	MW-11	35121	0.05	0
UP	MW-11	35272	0.05	0
UP	MW-11	35334	0.05	0
UP	MW-11	35515	0.05	0
UP	MW-11	35699	0.05	0
UP	MW-11	35880	0.05	0
UP	MW-11	36033	0.05	0
UP	MW-11	36245	0.05	0
UP	MW-11	36398	0.05	0
UP	MW-11	36611	0.05	0
UP	MW-11	36795	0.05	0
UP	MW-11	36976	0.05	0
UP	MW-11	37129	0.05	0
UP	MW-11	37341	0.05	0
UP	MW-11	37706	0.05	0
UP	MW-11	37828	0.05	0
UP	MW-11	38072	0.05	0
UP	MW-11	38225	0.05	0
UP	MW-11	38437	0.05	0
UP	MW-11	38621	0.05	0
UP	MW-11	38802	0.05	0
UP	MW-11	38986	0.05	0
UP	MW-11	39167	0.05	0
UP	MW-11	39320	0.05	0
UP	MW-11	39533	0.05	0
UP	MW-11	39717	0.05	0
UP	MW-11	39898	0.05	0
UP	MW-11	40082	0.05	0
UP	MW-11	40263	0.05	0
UP	MW-11	40447	0.05	0
UP	MW-11	40628	0.05	0
UP	MW-11	40812	0.05	0
UP	MW-11	40994	0.05	0
UP	MW-11	41178	0.05	0
UP	MW-11	41359	0.05	0
UP	MW-11	41543	0.05	0
UP	MW-11	41724	0.0075	0
UP	MW-11	41908	0.01	0
UP	MW-11	42089	0.01	0
UP	MW-11	42273	0.01	0

location	well	date	Cu	D_Cu
UP	MW-02	34998	0.005	0
UP	MW-02	35121	0.05	0
UP	MW-02	35242	0.05	0
UP	MW-02	35334	0.05	0
UP	MW-02	35515	0.05	0
UP	MW-02	35699	0.05	0
UP	MW-02	35880	0.05	0
UP	MW-02	36033	0.05	0
UP	MW-02	36245	0.05	0
UP	MW-02	36398	0.05	0
UP	MW-02	36611	0.05	0
UP	MW-02	36795	0.05	0
UP	MW-02	36976	0.05	0
UP	MW-02	37129	0.05	0
UP	MW-02	37341	0.05	0
UP	MW-02	37494	0.05	0
UP	MW-02	37706	0.05	0
UP	MW-02	37828	0.05	0
UP	MW-02	38072	0.05	0
UP	MW-02	38225	0.05	0
UP	MW-02	38437	0.05	0
UP	MW-02	38621	0.05	0
UP	MW-02	38802	0.05	0
UP	MW-02	38986	0.05	0
UP	MW-02	39167	0.05	0
UP	MW-02	39320	0.05	0
UP	MW-02	39533	0.05	0
UP	MW-02	39717	0.05	0
UP	MW-02	39898	0.05	0
UP	MW-02	40082	0.05	0
UP	MW-02	40263	0.05	0
UP	MW-02	40447	0.05	0
UP	MW-02	40628	0.05	0
UP	MW-02	40812	0.05	0
UP	MW-02	40994	0.05	0
UP	MW-02	41178	0.05	0
UP	MW-02	41359	0.0075	0
UP	MW-02	41543	0.05	0
UP	MW-02	41724	0.0075	0
UP	MW-02	41908	0.01	0
UP	MW-02	42089	0.01	0
UP	MW-02	42273	0.01	0
UP	MW-10	34998	0.006	1
UP	MW-10	35121	0.05	0
UP	MW-10	35242	0.05	0
UP	MW-10	35334	0.05	0
UP	MW-10	35515	0.05	0
UP	MW-10	35699	0.05	0
UP	MW-10	35880	0.05	0
UP	MW-10	36033	0.05	0
UP	MW-10	36245	0.05	0
UP	MW-10	36398	0.05	0
UP	MW-10	36611	0.05	0
UP	MW-10	36976	0.05	0
UP	MW-10	37129	0.05	0
UP	MW-10	37341	0.05	0
UP	MW-10	37706	0.05	0

UP	MW-10	37828	0.05	0
UP	MW-10	38072	0.05	0
UP	MW-10	38225	0.05	0
UP	MW-10	38437	0.05	0
UP	MW-10	38621	0.05	0
UP	MW-10	38802	0.05	0
UP	MW-10	38986	0.05	0
UP	MW-10	39167	0.05	0
UP	MW-10	40263	0.05	0
UP	MW-10	40447	0.05	0
UP	MW-10	40628	0.05	0
UP	MW-10	40994	0.05	0
UP	MW-10	41724	0.0075	0
UP	MW-11	34998	0.007	1
UP	MW-11	35121	0.05	0
UP	MW-11	35272	0.05	0
UP	MW-11	35334	0.05	0
UP	MW-11	35515	0.05	0
UP	MW-11	35699	0.05	0
UP	MW-11	35880	0.05	0
UP	MW-11	36033	0.05	0
UP	MW-11	36245	0.05	0
UP	MW-11	36398	0.05	0
UP	MW-11	36611	0.05	0
UP	MW-11	36795	0.05	0
UP	MW-11	36976	0.05	0
UP	MW-11	37129	0.05	0
UP	MW-11	37341	0.05	0
UP	MW-11	37706	0.05	0
UP	MW-11	37828	0.05	0
UP	MW-11	38072	0.05	0
UP	MW-11	38225	0.05	0
UP	MW-11	38437	0.05	0
UP	MW-11	38621	0.05	0
UP	MW-11	38802	0.05	0
UP	MW-11	38986	0.05	0
UP	MW-11	39167	0.05	0
UP	MW-11	39320	0.05	0
UP	MW-11	39533	0.05	0
UP	MW-11	39717	0.05	0
UP	MW-11	39898	0.05	0
UP	MW-11	40082	0.05	0
UP	MW-11	40263	0.05	0
UP	MW-11	40447	0.05	0
UP	MW-11	40628	0.05	0
UP	MW-11	40812	0.05	0
UP	MW-11	40994	0.05	0
UP	MW-11	41178	0.05	0
UP	MW-11	41359	0.05	0
UP	MW-11	41543	0.05	0
UP	MW-11	41724	0.0075	0
UP	MW-11	41908	0.01	0
UP	MW-11	42089	0.01	0
UP	MW-11	42273	0.01	0

location	well	date	Hg	D_Hg
UP	MW-02	34998	0.002	0
UP	MW-02	35121	0.002	0
UP	MW-02	35242	0.002	0
UP	MW-02	35334	0.002	0
UP	MW-02	35515	0.002	0
UP	MW-02	35699	0.002	0
UP	MW-02	35880	0.002	0
UP	MW-02	36033	0.002	0
UP	MW-02	36245	0.002	0
UP	MW-02	36398	0.002	0
UP	MW-02	36611	0.002	0
UP	MW-02	36795	0.002	0
UP	MW-02	36976	0.002	0
UP	MW-02	37129	0.002	0
UP	MW-02	37341	0.002	0
UP	MW-02	37494	0.002	0
UP	MW-02	37706	0.002	0
UP	MW-02	37828	0.002	0
UP	MW-02	38072	0.002	0
UP	MW-02	38225	0.002	0
UP	MW-02	38437	0.002	0
UP	MW-02	38621	0.002	0
UP	MW-02	38802	0.002	0
UP	MW-02	38986	0.002	0
UP	MW-02	39167	0.002	0
UP	MW-02	39320	0.002	0
UP	MW-02	39533	0.002	0
UP	MW-02	39717	0.002	0
UP	MW-02	39898	0.002	0
UP	MW-02	40082	0.002	0
UP	MW-02	40263	0.002	0
UP	MW-02	40447	0.002	0
UP	MW-02	40628	0.002	0
UP	MW-02	40812	0.002	0
UP	MW-02	40994	0.002	0
UP	MW-02	41178	0.002	0
UP	MW-02	41359	0.002	0
UP	MW-02	41543	0.002	0
UP	MW-02	41724	0.002	0
UP	MW-02	41908	0.0002	0
UP	MW-02	42089	0.0002	0
UP	MW-02	42273	0.0002	0
UP	MW-10	34998	0.002	0
UP	MW-10	35121	0.002	0
UP	MW-10	35242	0.002	0
UP	MW-10	35334	0.002	0
UP	MW-10	35515	0.002	0
UP	MW-10	35699	0.002	0
UP	MW-10	35880	0.002	0
UP	MW-10	36033	0.002	0
UP	MW-10	36245	0.002	0
UP	MW-10	36398	0.002	0
UP	MW-10	36611	0.002	0
UP	MW-10	36976	0.002	0
UP	MW-10	37129	0.002	0
UP	MW-10	37341	0.002	0
UP	MW-10	37706	0.002	0

UP	MW-10	37828	0.002	0
UP	MW-10	38072	0.002	0
UP	MW-10	38225	0.002	0
UP	MW-10	38437	0.002	0
UP	MW-10	38621	0.002	0
UP	MW-10	38802	0.002	0
UP	MW-10	38986	0.002	0
UP	MW-10	39167	0.002	0
UP	MW-10	40263	0.002	0
UP	MW-10	40447	0.002	0
UP	MW-10	40628	0.002	0
UP	MW-10	40994	0.002	0
UP	MW-10	41724	0.002	0
UP	MW-11	34998	0.002	0
UP	MW-11	35121	0.002	0
UP	MW-11	35272	0.002	0
UP	MW-11	35334	0.002	0
UP	MW-11	35515	0.002	0
UP	MW-11	35699	0.002	0
UP	MW-11	35880	0.002	0
UP	MW-11	36033	0.002	0
UP	MW-11	36245	0.002	0
UP	MW-11	36398	0.002	0
UP	MW-11	36611	0.002	0
UP	MW-11	36795	0.002	0
UP	MW-11	36976	0.002	0
UP	MW-11	37129	0.002	0
UP	MW-11	37341	0.002	0
UP	MW-11	37706	0.002	0
UP	MW-11	37828	0.002	0
UP	MW-11	38072	0.002	0
UP	MW-11	38225	0.002	0
UP	MW-11	38437	0.002	0
UP	MW-11	38621	0.002	0
UP	MW-11	38802	0.002	0
UP	MW-11	38986	0.002	0
UP	MW-11	39167	0.002	0
UP	MW-11	39320	0.002	0
UP	MW-11	39533	0.002	0
UP	MW-11	39717	0.002	0
UP	MW-11	39898	0.002	0
UP	MW-11	40082	0.002	0
UP	MW-11	40263	0.002	0
UP	MW-11	40447	0.002	0
UP	MW-11	40628	0.002	0
UP	MW-11	40812	0.002	0
UP	MW-11	40994	0.002	0
UP	MW-11	41178	0.002	0
UP	MW-11	41359	0.002	0
UP	MW-11	41543	0.002	0
UP	MW-11	41724	0.002	0
UP	MW-11	41908	0.0002	0
UP	MW-11	42089	0.0002	0
UP	MW-11	42273	0.0002	0

location	well	date	Ni	D_Ni
UP	MW-02	34998	0.006	0
UP	MW-02	35121	0.01	0
UP	MW-02	35242	0.01	0
UP	MW-02	35334	0.01	0
UP	MW-02	35515	0.01	0
UP	MW-02	35699	0.01	0
UP	MW-02	35880	0.01	0
UP	MW-02	36033	0.01	0
UP	MW-02	36245	0.01	0
UP	MW-02	36398	0.01	0
UP	MW-02	36611	0.01	0
UP	MW-02	36795	0.01	0
UP	MW-02	36976	0.01	0
UP	MW-02	37129	0.01	0
UP	MW-02	37341	0.01	0
UP	MW-02	37494	0.01	0
UP	MW-02	37706	0.01	0
UP	MW-02	37828	0.01	0
UP	MW-02	38072	0.01	0
UP	MW-02	38225	0.01	0
UP	MW-02	38437	0.01	0
UP	MW-02	38621	0.01	0
UP	MW-02	38802	0.01	0
UP	MW-02	38986	0.01	0
UP	MW-02	39167	0.01	0
UP	MW-02	39320	0.01	0
UP	MW-02	39533	0.01	0
UP	MW-02	39717	0.01	0
UP	MW-02	39898	0.01	0
UP	MW-02	40082	0.01	0
UP	MW-02	40263	0.01	0
UP	MW-02	40447	0.01	0
UP	MW-02	40628	0.01	0
UP	MW-02	40812	0.01	0
UP	MW-02	40994	0.01	0
UP	MW-02	41178	0.01	0
UP	MW-02	41359	0.0075	0
UP	MW-02	41543	0.01	0
UP	MW-02	41724	0.0075	0
UP	MW-02	41908	0.02	0
UP	MW-02	42089	0.02	0
UP	MW-02	42273	0.01	0
UP	MW-10	34998	0.009	1
UP	MW-10	35121	0.01	0
UP	MW-10	35242	0.01	0
UP	MW-10	35334	0.01	0
UP	MW-10	35515	0.12	1
UP	MW-10	35699	0.01	0
UP	MW-10	35880	0.01	0
UP	MW-10	36033	0.01	0
UP	MW-10	36245	0.01	0
UP	MW-10	36398	0.01	0
UP	MW-10	36611	0.01	0
UP	MW-10	36976	0.01	0
UP	MW-10	37129	0.01	0
UP	MW-10	37341	0.01	0
UP	MW-10	37706	0.01	0

UP	MW-10	37828	0.01	0
UP	MW-10	38072	0.01	0
UP	MW-10	38225	0.01	0
UP	MW-10	38437	0.01	0
UP	MW-10	38621	0.01	0
UP	MW-10	38802	0.01	0
UP	MW-10	38986	0.01	0
UP	MW-10	39167	0.01	0
UP	MW-10	40263	0.01	0
UP	MW-10	40447	0.01	0
UP	MW-10	40628	0.01	0
UP	MW-10	40994	0.01	0
UP	MW-10	41724	0.0075	0
UP	MW-11	34998	0.012	1
UP	MW-11	35121	0.01	0
UP	MW-11	35272	0.01	0
UP	MW-11	35334	0.01	0
UP	MW-11	35515	0.01	0
UP	MW-11	35699	0.01	0
UP	MW-11	35880	0.01	0
UP	MW-11	36033	0.01	0
UP	MW-11	36245	0.01	0
UP	MW-11	36398	0.01	0
UP	MW-11	36611	0.01	0
UP	MW-11	36795	0.01	0
UP	MW-11	36976	0.01	0
UP	MW-11	37129	0.01	0
UP	MW-11	37341	0.01	0
UP	MW-11	37706	0.01	0
UP	MW-11	37828	0.01	0
UP	MW-11	38072	0.01	0
UP	MW-11	38225	0.01	0
UP	MW-11	38437	0.01	0
UP	MW-11	38621	0.01	0
UP	MW-11	38802	0.01	0
UP	MW-11	38986	0.01	0
UP	MW-11	39167	0.01	0
UP	MW-11	39320	0.01	0
UP	MW-11	39533	0.01	0
UP	MW-11	39717	0.01	0
UP	MW-11	39898	0.01	0
UP	MW-11	40082	0.01	0
UP	MW-11	40263	0.01	0
UP	MW-11	40447	0.01	0
UP	MW-11	40628	0.01	0
UP	MW-11	40812	0.01	0
UP	MW-11	40994	0.01	0
UP	MW-11	41178	0.0346	1
UP	MW-11	41359	0.01	0
UP	MW-11	41543	0.0346	1
UP	MW-11	41724	0.0075	0
UP	MW-11	41908	0.02	0
UP	MW-11	42089	0.02	0
UP	MW-11	42273	0.01	0

location	well	date	Pb	D_Pb
UP	MW-02	34998	0.01	1
UP	MW-02	35121	0.02	1
UP	MW-02	35242	0.05	0
UP	MW-02	35334	0.05	0
UP	MW-02	35515	0.015	0
UP	MW-02	35699	0.05	0
UP	MW-02	35880	0.015	0
UP	MW-02	36033	0.015	0
UP	MW-02	36245	0.015	0
UP	MW-02	36398	0.015	0
UP	MW-02	36611	0.01	0
UP	MW-02	36795	0.015	0
UP	MW-02	36976	0.01	0
UP	MW-02	37129	0.01	0
UP	MW-02	37341	0.015	0
UP	MW-02	37494	0.015	0
UP	MW-02	37706	0.015	0
UP	MW-02	37828	0.015	0
UP	MW-02	38072	0.015	0
UP	MW-02	38225	0.015	0
UP	MW-02	38437	0.01	0
UP	MW-02	38621	0.01	0
UP	MW-02	38802	0.01	0
UP	MW-02	38986	0.015	0
UP	MW-02	39167	0.015	0
UP	MW-02	39320	0.015	0
UP	MW-02	39533	0.015	0
UP	MW-02	39717	0.015	0
UP	MW-02	39898	0.015	0
UP	MW-02	40082	0.015	0
UP	MW-02	40263	0.015	0
UP	MW-02	40447	0.015	0
UP	MW-02	40628	0.015	0
UP	MW-02	40812	0.015	0
UP	MW-02	40994	0.015	0
UP	MW-02	41178	0.015	0
UP	MW-02	41359	0.0075	0
UP	MW-02	41543	0.015	0
UP	MW-02	41724	0.0075	0
UP	MW-02	41908	0.01	0
UP	MW-02	42089	0.01	0
UP	MW-02	42273	0.01	0
UP	MW-10	34998	0.005	0
UP	MW-10	35121	0.031	1
UP	MW-10	35242	0.05	0
UP	MW-10	35334	0.05	0
UP	MW-10	35515	0.015	0
UP	MW-10	35699	0.05	0
UP	MW-10	35880	0.015	0
UP	MW-10	36033	0.015	0
UP	MW-10	36245	0.015	0
UP	MW-10	36398	0.015	0
UP	MW-10	36611	0.01	0
UP	MW-10	36976	0.01	0
UP	MW-10	37129	0.01	0
UP	MW-10	37341	0.015	0
UP	MW-10	37706	0.015	0

UP	MW-10	37828	0.015	0
UP	MW-10	38072	0.015	0
UP	MW-10	38225	0.015	0
UP	MW-10	38437	0.01	0
UP	MW-10	38621	0.01	0
UP	MW-10	38802	0.01	0
UP	MW-10	38986	0.015	0
UP	MW-10	39167	0.015	0
UP	MW-10	40263	0.015	0
UP	MW-10	40447	0.015	0
UP	MW-10	40628	0.015	0
UP	MW-10	40994	0.015	0
UP	MW-10	41724	0.0075	0
UP	MW-11	34998	0.005	0
UP	MW-11	35121	0.01	0
UP	MW-11	35272	0.05	0
UP	MW-11	35334	0.05	0
UP	MW-11	35515	0.015	0
UP	MW-11	35699	0.05	0
UP	MW-11	35880	0.015	0
UP	MW-11	36033	0.015	0
UP	MW-11	36245	0.01	0
UP	MW-11	36398	0.01	0
UP	MW-11	36611	0.01	0
UP	MW-11	36795	0.01	0
UP	MW-11	36976	0.01	0
UP	MW-11	37129	0.01	0
UP	MW-11	37341	0.015	0
UP	MW-11	37706	0.015	0
UP	MW-11	37828	0.015	0
UP	MW-11	38072	0.015	0
UP	MW-11	38225	0.01	0
UP	MW-11	38437	0.01	0
UP	MW-11	38621	0.01	0
UP	MW-11	38802	0.01	0
UP	MW-11	38986	0.01	0
UP	MW-11	39167	0.01	0
UP	MW-11	39320	0.01	0
UP	MW-11	39533	0.01	0
UP	MW-11	39717	0.01	0
UP	MW-11	39898	0.01	0
UP	MW-11	40082	0.015	0
UP	MW-11	40263	0.015	0
UP	MW-11	40447	0.015	0
UP	MW-11	40628	0.015	0
UP	MW-11	40812	0.015	0
UP	MW-11	40994	0.015	0
UP	MW-11	41178	0.015	0
UP	MW-11	41359	0.015	0
UP	MW-11	41543	0.015	0
UP	MW-11	41724	0.0075	0
UP	MW-11	41908	0.01	0
UP	MW-11	42089	0.01	0
UP	MW-11	42273	0.01	0

location	well	date	Se	D_Se
UP	MW-02	34998	0.05	0
UP	MW-02	35121	0.01	0
UP	MW-02	35242	0.01	0
UP	MW-02	35334	0.01	0
UP	MW-02	35515	0.01	0
UP	MW-02	35699	0.01	0
UP	MW-02	35880	0.01	0
UP	MW-02	36033	0.01	0
UP	MW-02	36245	0.01	0
UP	MW-02	36398	0.01	0
UP	MW-02	36611	0.05	0
UP	MW-02	36795	0.01	0
UP	MW-02	36976	0.01	0
UP	MW-02	37129	0.01	0
UP	MW-02	37341	0.01	0
UP	MW-02	37494	0.01	0
UP	MW-02	37706	0.01	0
UP	MW-02	37828	0.01	0
UP	MW-02	38072	0.01	0
UP	MW-02	38225	0.01	0
UP	MW-02	38437	0.05	0
UP	MW-02	38621	0.05	0
UP	MW-02	38802	0.05	0
UP	MW-02	38986	0.01	0
UP	MW-02	39167	0.01	0
UP	MW-02	39320	0.01	0
UP	MW-02	39533	0.01	0
UP	MW-02	39717	0.01	0
UP	MW-02	39898	0.01	0
UP	MW-02	40082	0.01	0
UP	MW-02	40263	0.01	0
UP	MW-02	40447	0.01	0
UP	MW-02	40628	0.01	0
UP	MW-02	40812	0.01	0
UP	MW-02	40994	0.01	0
UP	MW-02	41178	0.01	0
UP	MW-02	41359	0.0075	0
UP	MW-02	41543	0.01	0
UP	MW-02	41724	0.0075	0
UP	MW-02	41908	0.02	0
UP	MW-02	42089	0.02	0
UP	MW-02	42273	0.01	0
UP	MW-10	34998	0.05	0
UP	MW-10	35121	0.01	0
UP	MW-10	35242	0.01	0
UP	MW-10	35334	0.01	0
UP	MW-10	35515	0.01	0
UP	MW-10	35699	0.01	0
UP	MW-10	35880	0.01	0
UP	MW-10	36033	0.01	0
UP	MW-10	36245	0.01	0
UP	MW-10	36398	0.01	0
UP	MW-10	36611	0.05	0
UP	MW-10	36976	0.01	0
UP	MW-10	37129	0.01	0
UP	MW-10	37341	0.01	0
UP	MW-10	37706	0.01	0

UP	MW-10	37828	0.01	0
UP	MW-10	38072	0.01	0
UP	MW-10	38225	0.01	0
UP	MW-10	38437	0.05	0
UP	MW-10	38621	0.05	0
UP	MW-10	38802	0.05	0
UP	MW-10	38986	0.01	0
UP	MW-10	39167	0.01	0
UP	MW-10	40263	0.01	0
UP	MW-10	40447	0.01	0
UP	MW-10	40628	0.01	0
UP	MW-10	40994	0.01	0
UP	MW-10	41724	0.0075	0
UP	MW-11	34998	0.05	0
UP	MW-11	35121	0.01	0
UP	MW-11	35272	0.01	0
UP	MW-11	35334	0.01	0
UP	MW-11	35515	0.01	0
UP	MW-11	35699	0.01	0
UP	MW-11	35880	0.01	0
UP	MW-11	36033	0.01	0
UP	MW-11	36245	0.01	0
UP	MW-11	36398	0.01	0
UP	MW-11	36611	0.05	0
UP	MW-11	36795	0.01	0
UP	MW-11	36976	0.01	0
UP	MW-11	37129	0.01	0
UP	MW-11	37341	0.01	0
UP	MW-11	37706	0.01	0
UP	MW-11	37828	0.01	0
UP	MW-11	38072	0.01	0
UP	MW-11	38225	0.01	0
UP	MW-11	38437	0.05	0
UP	MW-11	38621	0.05	0
UP	MW-11	38802	0.05	0
UP	MW-11	38986	0.05	0
UP	MW-11	39167	0.05	0
UP	MW-11	39320	0.05	0
UP	MW-11	39533	0.05	0
UP	MW-11	39717	0.05	0
UP	MW-11	39898	0.05	0
UP	MW-11	40082	0.01	0
UP	MW-11	40263	0.01	0
UP	MW-11	40447	0.01	0
UP	MW-11	40628	0.01	0
UP	MW-11	40812	0.01	0
UP	MW-11	40994	0.01	0
UP	MW-11	41178	0.01	0
UP	MW-11	41359	0.01	0
UP	MW-11	41543	0.01	0
UP	MW-11	41724	0.0075	0
UP	MW-11	41908	0.02	0
UP	MW-11	42089	0.02	0
UP	MW-11	42273	0.01	0

location	well	date	TCN	D_TCN
UP	MW-02	34998	0.02	0
UP	MW-02	35121	0.01	0
UP	MW-02	35242	0.01	0
UP	MW-02	35334	0.01	0
UP	MW-02	35515	0.02	0
UP	MW-02	35699	0.02	0
UP	MW-02	35880	0.02	0
UP	MW-02	36033	0.01	0
UP	MW-02	36245	0.02	0
UP	MW-02	36398	0.02	0
UP	MW-02	36611	0.04	0
UP	MW-02	36795	0.02	0
UP	MW-02	36976	0.02	0
UP	MW-02	37129	0.02	0
UP	MW-02	37341	0.02	0
UP	MW-02	37494	0.02	0
UP	MW-02	37706	0.02	0
UP	MW-02	37828	0.02	0
UP	MW-02	38072	0.02	0
UP	MW-02	38225	0.02	0
UP	MW-02	38437	0.02	0
UP	MW-02	38621	0.02	0
UP	MW-02	38802	0.02	0
UP	MW-02	38986	0.02	0
UP	MW-02	39167	0.02	0
UP	MW-02	39320	0.02	0
UP	MW-02	39533	0.02	0
UP	MW-02	39717	0.02	0
UP	MW-02	39898	0.02	0
UP	MW-02	40082	0.02	0
UP	MW-02	40263	0.02	0
UP	MW-02	40447	0.02	0
UP	MW-02	40628	0.02	0
UP	MW-02	40812	0.02	0
UP	MW-02	40994	0.02	0
UP	MW-02	41178	0.02	0
UP	MW-02	41359	0.02	0
UP	MW-02	41543	0.02	0
UP	MW-02	41724	0.02	0
UP	MW-02	41908	0.01	0
UP	MW-02	42089	0.01	0
UP	MW-02	42273	0.01	0
UP	MW-10	34998	0.02	0
UP	MW-10	35121	0.01	0
UP	MW-10	35242	0.01	0
UP	MW-10	35334	0.01	0
UP	MW-10	35515	0.02	0
UP	MW-10	35699	0.02	0
UP	MW-10	35880	0.02	0
UP	MW-10	36033	0.01	0
UP	MW-10	36245	0.02	0
UP	MW-10	36398	0.02	0
UP	MW-10	36611	0.04	0
UP	MW-10	36976	0.02	0
UP	MW-10	37129	0.02	0
UP	MW-10	37341	0.02	0
UP	MW-10	37706	0.02	0

UP	MW-10	37828	0.02	0
UP	MW-10	38072	0.02	0
UP	MW-10	38225	0.02	0
UP	MW-10	38437	0.02	0
UP	MW-10	38621	0.02	0
UP	MW-10	38802	0.02	0
UP	MW-10	38986	0.02	0
UP	MW-10	39167	0.02	0
UP	MW-10	40263	0.02	0
UP	MW-10	40447	0.02	0
UP	MW-10	40628	0.02	0
UP	MW-10	40994	0.02	0
UP	MW-10	41724	0.02	0
UP	MW-11	34998	0.02	0
UP	MW-11	35121	0.01	0
UP	MW-11	35272	0.01	0
UP	MW-11	35334	0.01	0
UP	MW-11	35515	0.02	0
UP	MW-11	35699	0.02	0
UP	MW-11	35880	0.02	0
UP	MW-11	36033	0.01	1
UP	MW-11	36094	0.02	0
UP	MW-11	36245	0.02	0
UP	MW-11	36398	0.02	0
UP	MW-11	36611	0.04	0
UP	MW-11	36795	0.02	0
UP	MW-11	36976	0.02	0
UP	MW-11	37129	0.02	0
UP	MW-11	37341	0.02	0
UP	MW-11	37706	0.02	0
UP	MW-11	37828	0.02	0
UP	MW-11	38072	0.02	0
UP	MW-11	38225	0.02	0
UP	MW-11	38437	0.02	0
UP	MW-11	38621	0.02	0
UP	MW-11	38802	0.02	0
UP	MW-11	38986	0.02	0
UP	MW-11	39167	0.02	0
UP	MW-11	39320	0.02	0
UP	MW-11	39533	0.02	0
UP	MW-11	39717	0.02	0
UP	MW-11	39898	0.02	0
UP	MW-11	40082	0.02	0
UP	MW-11	40263	0.02	0
UP	MW-11	40447	0.02	0
UP	MW-11	40628	0.02	0
UP	MW-11	40812	0.02	0
UP	MW-11	40994	0.02	0
UP	MW-11	41178	0.02	0
UP	MW-11	41359	0.02	0
UP	MW-11	41543	0.02	0
UP	MW-11	41724	0.02	0
UP	MW-11	41908	0.01	0
UP	MW-11	42089	0.01	0
UP	MW-11	42273	0.01	0

location	well	date	V	D_V
UP	MW-02	34998	0.01	0
UP	MW-02	35121	0.01	0
UP	MW-02	35242	0.01	0
UP	MW-02	35334	0.01	0
UP	MW-02	35515	0.01	0
UP	MW-02	35699	0.01	0
UP	MW-02	35880	0.01	0
UP	MW-02	36033	0.01	0
UP	MW-02	36245	0.01	0
UP	MW-02	36398	0.01	0
UP	MW-02	36611	0.034	1
UP	MW-02	36795	0.01	0
UP	MW-02	36976	0.01	0
UP	MW-02	37129	0.018	1
UP	MW-02	37341	0.05	0
UP	MW-02	37494	0.05	0
UP	MW-02	37706	0.05	0
UP	MW-02	37828	0.05	0
UP	MW-02	38072	0.05	0
UP	MW-02	38225	0.05	0
UP	MW-02	38437	0.01	0
UP	MW-02	38621	0.01	0
UP	MW-02	38802	0.01	0
UP	MW-02	38986	0.05	0
UP	MW-02	39167	0.05	0
UP	MW-02	39320	0.05	0
UP	MW-02	39533	0.05	0
UP	MW-02	39717	0.05	0
UP	MW-02	39898	0.05	0
UP	MW-02	40082	0.05	0
UP	MW-02	40263	0.05	0
UP	MW-02	40447	0.05	0
UP	MW-02	40628	0.05	0
UP	MW-02	40812	0.05	0
UP	MW-02	40994	0.05	0
UP	MW-02	41178	0.05	0
UP	MW-02	41359	0.0075	0
UP	MW-02	41543	0.05	0
UP	MW-02	41724	0.0075	0
UP	MW-02	41908	0.01	0
UP	MW-02	42089	0.01	0
UP	MW-02	42273	0.01	0
UP	MW-10	34998	0.01	0
UP	MW-10	35121	0.01	0
UP	MW-10	35242	0.01	0
UP	MW-10	35334	0.01	0
UP	MW-10	35515	0.01	0
UP	MW-10	35699	0.01	0
UP	MW-10	35880	0.01	0
UP	MW-10	36033	0.01	0
UP	MW-10	36245	0.038	1
UP	MW-10	36398	0.01	0
UP	MW-10	36611	0.01	0
UP	MW-10	36976	0.01	0
UP	MW-10	37129	0.01	0
UP	MW-10	37341	0.05	0
UP	MW-10	37706	0.05	0

UP	MW-10	37828	0.05	0
UP	MW-10	38072	0.05	0
UP	MW-10	38225	0.05	0
UP	MW-10	38437	0.01	0
UP	MW-10	38621	0.01	0
UP	MW-10	38802	0.01	0
UP	MW-10	38986	0.05	0
UP	MW-10	39167	0.05	0
UP	MW-10	40263	0.05	0
UP	MW-10	40447	0.05	0
UP	MW-10	40628	0.05	0
UP	MW-10	40994	0.05	0
UP	MW-10	41724	0.0075	0
UP	MW-11	34998	0.017	1
UP	MW-11	35121	0.01	0
UP	MW-11	35272	0.01	0
UP	MW-11	35334	0.01	0
UP	MW-11	35515	0.01	0
UP	MW-11	35699	0.01	0
UP	MW-11	35880	0.01	0
UP	MW-11	36033	0.01	0
UP	MW-11	36245	0.01	0
UP	MW-11	36398	0.028	1
UP	MW-11	36611	0.018	1
UP	MW-11	36795	0.01	0
UP	MW-11	36976	0.01	0
UP	MW-11	37129	0.01	0
UP	MW-11	37341	0.05	0
UP	MW-11	37706	0.05	0
UP	MW-11	37828	0.05	0
UP	MW-11	38072	0.05	0
UP	MW-11	38225	0.05	0
UP	MW-11	38437	0.0111	1
UP	MW-11	38621	0.05	0
UP	MW-11	38802	0.05	0
UP	MW-11	38986	0.05	0
UP	MW-11	39167	0.05	0
UP	MW-11	39320	0.05	0
UP	MW-11	39533	0.05	0
UP	MW-11	39717	0.05	0
UP	MW-11	39898	0.05	0
UP	MW-11	40082	0.05	0
UP	MW-11	40263	0.05	0
UP	MW-11	40447	0.05	0
UP	MW-11	40628	0.05	0
UP	MW-11	40812	0.05	0
UP	MW-11	40994	0.05	0
UP	MW-11	41178	0.05	0
UP	MW-11	41359	0.05	0
UP	MW-11	41543	0.05	0
UP	MW-11	41724	0.0075	0
UP	MW-11	41908	0.01	0
UP	MW-11	42089	0.01	0
UP	MW-11	42273	0.01	0

location	well	date	Zn	D_Zn
UP	MW-02	34998	0.1	1
UP	MW-02	35121	0.1	0
UP	MW-02	35242	0.05	0
UP	MW-02	35334	0.05	0
UP	MW-02	35515	0.5	0
UP	MW-02	35699	0.1	0
UP	MW-02	35880	0.05	0
UP	MW-02	36033	0.05	0
UP	MW-02	36245	0.05	0
UP	MW-02	36398	0.05	0
UP	MW-02	36611	1	0
UP	MW-02	36795	1	0
UP	MW-02	36976	1	0
UP	MW-02	37129	1	0
UP	MW-02	37341	0.1	0
UP	MW-02	37494	0.1	0
UP	MW-02	37706	0.1	0
UP	MW-02	37828	0.1	0
UP	MW-02	38072	0.1	0
UP	MW-02	38225	0.1	0
UP	MW-02	38437	0.1	0
UP	MW-02	38621	0.1	0
UP	MW-02	38802	0.1	0
UP	MW-02	38986	0.1	0
UP	MW-02	39167	0.1	0
UP	MW-02	39320	0.1	0
UP	MW-02	39533	0.1	0
UP	MW-02	39717	0.1	0
UP	MW-02	39898	0.1	0
UP	MW-02	40082	0.1	0
UP	MW-02	40263	0.1	0
UP	MW-02	40447	0.1	0
UP	MW-02	40628	0.1	0
UP	MW-02	40812	0.1	0
UP	MW-02	40994	0.1	0
UP	MW-02	41178	0.1	0
UP	MW-02	41359	0.0075	0
UP	MW-02	41543	0.1	0
UP	MW-02	41724	0.0075	0
UP	MW-02	41908	0.02	0
UP	MW-02	42089	0.02	0
UP	MW-02	42273	0.02	0
UP	MW-10	34998	0.083	1
UP	MW-10	35121	0.1	0
UP	MW-10	35242	0.3	1
UP	MW-10	35334	0.074	1
UP	MW-10	35515	0.5	0
UP	MW-10	35699	0.1	0
UP	MW-10	35880	0.05	0
UP	MW-10	36033	0.05	0
UP	MW-10	36245	0.056	1
UP	MW-10	36398	0.05	0
UP	MW-10	36611	1	0
UP	MW-10	36976	1	0
UP	MW-10	37129	1	0
UP	MW-10	37341	0.1	0
UP	MW-10	37706	0.1	0

UP	MW-10	37828	0.1	0
UP	MW-10	38072	0.1	0
UP	MW-10	38225	0.1	0
UP	MW-10	38437	0.1	0
UP	MW-10	38621	0.1	0
UP	MW-10	38802	0.1	0
UP	MW-10	38986	0.1	0
UP	MW-10	39167	0.1	0
UP	MW-10	40263	0.1	0
UP	MW-10	40447	0.1	0
UP	MW-10	40628	0.1	0
UP	MW-10	40994	0.1	0
UP	MW-10	41724	0.0075	0
UP	MW-11	34998	0.072	1
UP	MW-11	35121	0.1	0
UP	MW-11	35272	0.05	0
UP	MW-11	35334	0.05	0
UP	MW-11	35515	0.5	0
UP	MW-11	35699	0.1	0
UP	MW-11	35880	0.05	0
UP	MW-11	36033	0.05	0
UP	MW-11	36245	0.05	0
UP	MW-11	36398	0.081	1
UP	MW-11	36611	1	0
UP	MW-11	36795	1	0
UP	MW-11	36976	1	0
UP	MW-11	37129	1	0
UP	MW-11	37341	0.1	0
UP	MW-11	37706	0.1	0
UP	MW-11	37828	0.1	0
UP	MW-11	38072	0.1	0
UP	MW-11	38225	1	0
UP	MW-11	38437	0.1	0
UP	MW-11	38621	0.1	0
UP	MW-11	38802	0.1	0
UP	MW-11	38986	0.1	0
UP	MW-11	39167	0.1	0
UP	MW-11	39320	0.1	0
UP	MW-11	39533	0.1	0
UP	MW-11	39717	0.1	0
UP	MW-11	39898	0.1	0
UP	MW-11	40082	0.1	0
UP	MW-11	40263	0.1	0
UP	MW-11	40447	0.1	0
UP	MW-11	40628	0.1	0
UP	MW-11	40812	0.1	0
UP	MW-11	40994	0.1	0
UP	MW-11	41178	0.1	0
UP	MW-11	41359	0.1	0
UP	MW-11	41543	0.1	0
UP	MW-11	41724	0.00768	1
UP	MW-11	41908	0.02	0
UP	MW-11	42089	0.02	0
UP	MW-11	42273	0.02	0