Voluntary Investigation and Remediation Plan Application Form and Checklist

| | | VRP | APPLICANT INFO | ORMATION | | |
|----------------------|---|---|----------------|----------|----------|-----------------------|
| COMPANY NAME | BTR Properties, Inc. | BTR Properties, Inc. | | | | |
| CONTACT PERSON/TITLE | Todd Rambo | Todd Rambo | | | | |
| ADDRESS | 141 Hammond Street, | 141 Hammond Street, Carrollton, Georgia 30117 | | | | |
| PHONE | (770) 832-2000 FAX (770) 832-2095 E-MAIL toddr@bometals.com | | | | | |
| GEORGIA CER | RTIFIED PROFESSI | ONAL GEO | LOGIST OR PRO | FESSIONA | L ENGINE | ER OVERSEEING CLEANUP |
| NAME | Steven W. Hart | | | GA PE/PG | NUMBER | 660 |
| COMPANY | Peachtree Environmental | | | | | |
| ADDRESS | ADDRESS 3000 Northwoods Parkway, Suite 105, Norcross, Georgia 30071 | | | | | |
| PHONE | PHONE (770) 824-3136 FAX (770) 449-6119 E-MAIL shart@peachtreeenvironmental.com | | | | | |
| 1 | | APP | LICANT'S CERTI | FICATION | | |

In order to be considered a qualifying property for the VRP:

(1) The property must have a release of regulated substances into the environment;

(2) The property shall not be:

- (A) Listed on the federal National Priorities List pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9601.
- (B) Currently undergoing response activities required by an order of the regional administrator of the federal Environmental Protection Agency; or

(C) A facility required to have a permit under Code Section 12-8-66.

- (3) Qualifying the property under this part would not violate the terms and conditions under which the division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency.
- (4) Any lien filed under subsection (e) of Code Section 12-8-96 or subsection (b) of Code Section 12-13-12 against the property shall be satisfied or settled and released by the director pursuant to Code Section 12-8-94 or Code Section 12-13-6.

In order to be considered a participant under the VRP:

- (1) The participant must be the property owner of the voluntary remediation property or have express permission to enter another's property to perform corrective action.
- (2) The participant must not be in violation of any order, judgment, statute, rule, or regulation subject to the enforcement authority of the director.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons 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.

I also certify that this property is eligible for the Voluntary Remediation Program (VRP) as defined in Code Section 12-8-105 and I am eligible as a participant as defined in Code Section 12-8-106.

| APPLICANT'S SIGNATURE | Jule RABO | | |
|--------------------------------|-------------------------------|------|----------|
| APPLICANT'S NAME/TITLE (PRINT) | TOUR RAMBO BTR PROPERTIES, UC | DATE | 12/19/16 |

| QUALIF TING F | HAZARDOUS | additional qualifying properties, please refer to the SITE INVENTORY INFORMATION (if applicable) | last page of application | n form) |
|----------------------------|---|---|---|--|
| HSI Number | 10604 | Date HSI Site listed | 2/15/2000 | |
| HSI Facility Name | Trent Tube Division | NAICS CODE | 27.1072000 | |
| Tier r dollity rvairie | THE TABLE DIVISION | PROPERTY INFORMATION | | |
| TAX PARCEL ID | C02-043-0003 | PROPERTY SIZE (ACRES) | 36.25 | |
| PROPERTY ADDRESS | 141 Hammond Street | THO ENT OLE (NONES) | 00.20 | |
| CITY | Carrollton | COUNTY | Carroll | The state of the s |
| STATE | Georgia | ZIPCODE | 30117 | |
| LATITUDE (decimal format) | 33.59009 | LONGITUDE (decimal format) | -85.093404 | |
| E (11 ODE (decimal format) | AND THE RESIDENCE OF THE PARTY | PROPERTY OWNER INFORMATION | -03.033404 | |
| PROPERTY OWNER(S) | BTR Properties, LLC | PHONE # (770) 832-2000 | | |
| MAILING ADDRESS | 141 Hammond Street | 1110HE # (110) 002-2000 | | |
| CITY | Carrollton | STATE/ZIPCODE | Georgia 30117 | |
| ITEM# | DESCRIPTION OF REQUIREMENT | | Location in VRP (i.e. pg., Table #, Figure #, etc.) | For EPD Comment Only (Leave Blank) |
| 1. | \$5,000 APPLICATION FEE IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES. (PLEASE LIST CHECK DATE AND CHECK NUMBER IN COLUMN TITLED "LOCATION IN VRP." PLEASE DO NOT INCLUDE A SCANNED COPY OF CHECK IN ELECTRONIC COPY OF APPLICATION.) | | Attached | |
| 2. | WARRANTY DEED(S) FOR QUALIFYING PROPERTY. | | Attached | |
| 3. | TAX PLAT OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBER(S). | | Appendix A | |
| 4. | ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF). | | Attached | |
| 5. | The VRP participant's initial plan and application must include, using all reasonably available current information to the extent known at the time of application, a graphic three-dimensional preliminary conceptual site model (CSM) including a preliminary remediation plan with a table of delineation standards, brief supporting text, charts, and figures (no more than 10 pages, total) that illustrates the site's surface and subsurface setting, the known or suspected source(s) of contamination, how contamination might move within the environment, the potential human health and ecological receptors, and the complete or incomplete exposure pathways that may exist at the site; the preliminary CSM must be updated as the investigation and remediation progresses and an up-to-date CSM must be included in each semi-annual status report submitted to the director by the participant; a PROJECTED MILESTONE SCHEDULE for investigation and remediation of the site, and after enrollment as a participant, must update the schedule in each semi- | | Section 3.0 | |

| | annual status report to the director describing implementation of the plan during the preceding period. A Gantt chart format is preferred for the | | |
|------|---|-----|--|
| | milestone schedule. | | |
| | milestoric scriedule. | | |
| | The following four (4) generic milestones are required in all initial plans with | | |
| | the results reported in the participant's next applicable semi-annual reports to | | |
| | the director. The director may extend the time for or waive these or other | | |
| | milestones in the participant's plan where the director determines, based on a | | |
| | showing by the participant, that a longer time period is reasonably necessary: | | |
| | Within the first 12 months after enrollment, the participant must complete | | |
| 5.a. | horizontal delineation of the release and associated constituents of concern | | |
| | on property where access is available at the time of enrollment; | | |
| | Within the first 24 months after enrollment, the participant must complete | | |
| 5.b. | horizontal delineation of the release and associated constituents of concern | | |
| 5.0. | extending onto property for which access was not available at the time of | | |
| | enrollment; | | |
| | Within 30 months after enrollment, the participant must update the site CSM | | |
| 5.c. | to include vertical delineation, finalize the remediation plan and provide a | | |
| 3.6. | preliminary cost estimate for implementation of remediation and associated | | |
| | continuing actions; and | | |
| 5.d. | Within 60 months after enrollment, the participant must submit the compliance | | |
| | status report required under the VRP, including the requisite certifications. | | |
| | SIGNED AND SEALED PE/PG CERTIFICATION AND SUPPORTING | | |
| 1 | DOCUMENTATION: | | |
| | "I certify under penalty of law that this report and all attachments were prepared by me or under my direct | | |
| | supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seg.). I am | | |
| 1 | a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I | | |
| | have the necessary experience and am in charge of the investigation and remediation of this release of regulated | l l | |
| | substances. | | |
| | Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of | | |
| | corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the | 2 | |
| 6. | Georgia Environmental Protection Division. | | |
| 1 | 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." | | |
| | 2 | | |
| | STEVEN U. NAM (668 Printed Name and GA PE/PG Number) Date | | |
| | Printed Name and GA PE/PG Number) Date | | |
| | | | |
| | 1/1 0-1 | | |
| | Signature and Stamp | | |
| / | | | |

ADDITIONAL QUALIFYING PROPERTIES (COPY THIS PAGE AS NEEDED)

| | P | PROPERTY INFORMATION | | |
|--|---------------------------|----------------------------|----------------|--|
| TAX PARCEL ID | C02 0430015 | PROPERTY SIZE (ACRES) | 20 | |
| PROPERTY ADDRESS | 1065 Alabama Street | | | |
| CITY | Carrollton | COUNTY | Carroll | |
| STATE | Georgia | ZIPCODE | 30117 | |
| LATITUDE (decimal format) | 33.591493 | LONGITUDE (decimal format) | -85.096295 | |
| | PROF | PERTY OWNER INFORMATION | | |
| PROPERTY OWNER(S) | Lawrence Properties, Inc. | PHONE # | (770) 834-3307 | |
| MAILING ADDRESS 1065 Alabama Street, Suite 36D | | | | |
| CITY | Carrollton | STATE/ZIPCODE | Georgia 30117 | |

| | PROPERTY INFORMATION | |
|---------------------------|----------------------------|--|
| TAX PARCEL ID | PROPERTY SIZE (ACRES) | |
| PROPERTY ADDRESS | | |
| CITY | COUNTY | |
| STATE | ZIPCODE | |
| LATITUDE (decimal format) | LONGITUDE (decimal format) | |
| | PROPERTY OWNER INFORMATION | |
| PROPERTY OWNER(S) | PHONE# | |
| MAILING ADDRESS | | |
| CITY | STATE/ZIPCODE | |

| | PROPERTY INFORMATION | |
|---------------------------|----------------------------|--|
| TAX PARCEL ID | PROPERTY SIZE (ACRES) | |
| PROPERTY ADDRESS | | |
| CITY | COUNTY | |
| STATE | ZIPCODE | |
| LATITUDE (decimal format) | LONGITUDE (decimal format) | |
| | PROPERTY OWNER INFORMATION | |
| PROPERTY OWNER(S) | PHONE # | |
| MAILING ADDRESS | | |
| CITY | STATE/ZIPCODE | |

3753 287

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PT-61 022-200 (a OC 7.579)
CARROLL COUNTY, GEORGIA
REAL ESTATE TRANSFER TAX
PAID
DATE 101 2410 (c)

CLERK OF SUPERIOR COURT

GA C. L'ON CUNTY
L'ER SUBERIOR COUR

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Please Return Recorded Document to:

Raymond J. Kearns, Esquire

Kearns Harp & Brumby

5775-B Glenridge Drive, #210

Atlanta, GA 30328

Attn: Sue Despres (06090995)

STATE OF GEORGIA COUNTY OF FULTON Transfer Tax Due: \$0.00

LIMITED WARRANTY DEED

THIS INDENTURE, made this 19TH day of October, 2006 between BOMETALS, INC., a Georgia corporation, as party of the first part ("Grantor"), and BTR PROPERTIES, LLC, a Georgia limited liability company, as party of the second part ("Grantee").

WITNESSETH:

That the said Grantor, for and in consideration of the sum of Ten and No/100 Dollars (\$10.00) and other good and valuable consideration, in hand paid by Grantee at and before the execution and delivery of these presents, the receipt, adequacy and sufficiency of which are hereby acknowledged by Grantor, has granted, bargained, sold, aliened, conveyed and confirmed, and by these presents does grant, bargain, sell, alien, convey and confirm unto Grantee and to its heirs, administrators, successors and assigns, all that tract or parcel of land lying and being in Land Lot 131, 158 and 159, 10th District, Carroll County, Georgia, and being more particularly described on Exhibit "A" attached hereto and by this reference incorporated herein.

TOGETHER WITH all and singular rights, members and appurtenances in and to the above-described property in anywise appertaining or belonging.

This conveyance and the warranties contained herein are expressly made subject only to those items set forth on Exhibit "B" attached hereto and by this reference incorporated herein.

TO HAVE AND TO HOLD the above-described property with all and singular the rights, members and appurtenances thereof, to the same being, belonging or in anywise appertaining to

LIMITED WARRANTY DEED.doc

BK PG 3753 288

the only proper use, benefit and behoof of the said Grantee, its heirs, administrators, successors and assigns, forever, in FEE SIMPLE.

AND THE SAID GRANTOR, for its successors and assigns will warrant and forever defend the right and title to the above-described property unto the said Grantee, its heirs, administrators, successors and assigns, against the lawful claims of all persons claiming by, through or under Grantor.

IN WITNESS WHEREOF, the Grantor has set hereunto its hand and seal as of the day and year first above written.

Grantor

BoMetals, Inc.

By:

(SEAL)

Todd A. Rambo, President

Ву: _____

Treasurer /

(SEAL)

Signed, sealed and delivered in presence of:

Unofficial Witness

Notary Public

My Commission Expires: June

27,2009

(NOTARIAL SEAL)

AMANDA T MILLS
Notery Public, State of Georgia
Cerroll County
My Commission Expires
June 27, 2009

EXHIBIT "A" LEGAL DESCRIPTION

All that tract or parcel of land lying and being in Land Lots 130, 131, 158 and 159 of the 10th District of Carroll County, Georgia, and being more particularly described as follows:

BEGINNING at a point located on the northwesterly right-of-way line of the Central of Georgia Railroad (a 100-foot right-of-way), 1,186.00 feet northeasterly, as measured along said Railroad right-of-way, from the point of intersection of said right-of-way with the northerly right-of-way line of Alabama Street (a 60-foot right-of-way); thence leaving the northwesterly right-of-way line of the Central of Georgia Railroad and running south 88 degrees 46 minutes 00 seconds west, 815.11 feet to a point located on the easterly right-of-way line of Hammond Street (a 60foot right-of-way); running thence northerly along the easterly right-of-way line of Hammond Street, the following courses and distances: north 02 degrees 02 minutes 50 seconds west, 194.05 feet to a point; north 01 degree 04 minutes 35 seconds west, 134.92 feet to a point; and, north 00 degrees 41 minutes 16 seconds west, 187.75 feet to a point; running thence south 89 degrees 18 minutes 44 seconds west, along the terminus of the right-of-way of Hammond Street, 30.00 feet to a point; running thence north 00 degrees 41 minutes 16 seconds west, 275.03 feet to a point; continuing thence north 00 degrees 41 minutes 16 seconds west, 530.73 feet to a point; continuing thence north 00 degrees 41 minutes 16 seconds west, 69.27 feet to a point located on the center line of the Little Tallapoosa River; running thence in a generally northeasterly direction along the center line of said river, the following courses and distances: north 88 degrees 23 minutes 06 seconds east, 225.45 feet to a point; north 86 degrees 43 minutes 45 seconds east, 73.47 feet to a point; north 78 degrees 08 minutes 14 seconds east, 226.47 feet to a point; north 60 degrees 20 minutes 45 seconds east, 282.28 feet to a point; north 67 degrees 13 minutes 14 seconds east, 106.34 feet to a point; and, north 70 degrees 53 minutes 52 seconds east, 175.76 feet to the point of intersection of the center line of said river with the southwesterly right-of-way line of the aforementioned Central of Georgia Railroad; running thence southeasterly, southerly and southwesterly along the southwesterly, westerly and northwesterly right-of-way line of said Railroad right-of-way, the following courses and distances: south 25 degrees 39 minutes 56 seconds east, 189.91 feet to a point; south 20 degrees 26 minutes 17 seconds east, 106.35 feet to a point; south 13 degrees 48 minutes 25 seconds east, 107.99 feet to a point; south 07 degrees 06 minutes 10 seconds east, 84.47 feet to a point; south 01 degree 06 minutes 57 seconds east, 95.72 feet to a point; south 05 degrees 41 minutes 32 seconds west, 101.16 feet to a point; south 12 degrees 13 minutes 13 seconds west, 107.39 feet to a point; south 16 degrees 08 minutes 34 seconds west, 88.11 feet to a point; and, south 17 degrees 42 minutes 04 seconds west, 864.53 feet to the POINT OF BEGINNING; and being a tract or parcel of land containing 36.10 acres according to a plat of survey entitled "Property Survey for: Crucible Materials Corporation, BoMetals, Inc., Old Republic National Title Insurance Company and Chesnut & Livingston, PC", prepared by Crawford & Associates, Inc., bearing the seal and certification of Douglas C. Crawford, Georgia Registered Land Surveyor No. 1833, dated April 28, 2005.

Exhibit "B"

Permitted Encumbrances

- 1. Those matters which would be disclosed by a survey or inspection of the property, including, without limitation, those matters shown on that certain Property Survey of the Property as prepared by Crawford & Associates, Inc., dated April 28, 2005, at Job No. JN910610, including, but not limited to, the following:
- (A) EMC power line (Deed Book 54, Page 158, aforesaid records) traversing southeasterly portion of subject property.
- (B) Central of Georgia Railroad spur track located on southeasterly portion of subject property;
- (C) Georgia Power Company easement with power poles and power service lines therein located along easterly portion of subject property adjacent to Central of Georgia Railroad right-of-way (Deed Book 135, Page 511, Deed Book 136, Page 372, Deed Book 136, Page 404 and Deed Book 266, Page 259, aforesaid records);
- (D) 30-inch sanitary sewer line and manholes associated therewith traversing northerly portion of subject property;
- (E) 10-foot sewer easement (Deed Book 135, Page 543, aforesaid records) with 8-inch sanitary sewer line therein traversing easterly and northeasterly portions of subject property;
- (F) Portion of subject property adjacent to Little Tallapoosa River lying within 100-year flood plain;
- (G) Metal building, outbuilding, gas valves, gas tanks, gas pump and shed, power station, concrete tanks, fencing, asphalt parking area, and other improvements located on and within the boundaries of subject property; and,
- (H) 14-inch water main traversing central portion of subject property.
- City, State and County taxes for 2006, which are liens but are not yet due or payable and all taxes for years subsequent to 2006.
- 3. Right-of-Way Easement from O.L. Hammond to Carroll County, Rural Electric Membership Corporation, dated April 15, 1937, recorded at Deed Book 54, Page 158, Carroll County, Georgia records.
- Easements for Channel Improvements in favor of West Soil Conservation District, as follows:
 - from D.L. Hammond, dated February 5, 1959, recorded at Deed Book 124, Page 221, aforesaid records; and
 - (b) from D.L. Hammond, dated February 5, 1959, recorded at Deed Book 124, Page 241, aforesaid records.

- 5. Easement from Trent Tube Company to Georgia Power Company, dated January 29, 1962, recorded at Deed Book 135, Page 543, aforesaid records.
- Sewer Easement from Trent Tube Company to Georgia Power Company to The City of Carrollton, Georgia, dated December 27, 1961, recorded at Deed Book 135, Page 543, aforesaid records.
- Right-of-Way easements in favor of Georgia Power Company, as follows:
 - from D.L. Hammond, dated January 5, 1962, recorded at Deed Book 136, Page 372, aforesaid records; and
 - (b) from O.L. Hammond, dated January 5, 1962, recorded in Deed Book 136, Page 404, aforesaid records.
- 8. General Permit from O.L. Hammond to Southern Bell Telephone and Telegraph Company, recorded at Deed Book 138, Page 186, aforesaid records.
- 9. Right-of-Way Easement from Crucible, Inc. to Georgia Power Company, dated March 29, 1972, recorded at Deed Book 266, Page 259, aforesaid records.
- Riparian rights, if any.
- 11. The reserved easements and restrictions as set forth in this Limited Warranty Deed.
- 12. Security Deed from BoMetals, Inc. to Wachovia Bank, National Association, dated September 29, 2005, recorded in Deed Book 3304, Page 135, aforesaid records.

VOLUNTARY INVESTIGATION AND REMEDIATION PLAN

141 Hammond Street Carrollton, Carroll County, Georgia

Prepared for:

Mr. Todd Rambo BTR Properties, LLC 141 Hammond Street Carrollton, GA 30117

DOCUMENT PREPARED BY:



PEACHTREE ENVIRONMENTAL
3000 NORTHWOODS PARKWAY, SUITE 105
NORCROSS, GEORGIA 30071
(770) 449-6100 · (770) 449-6119 FAX
WWW.PEACHTREEENVIRONMENTAL.COM

DECEMBER 2016

CERTIFICATION

I certify that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Todd Rambo

BTR Properties, LLC

TABLE OF CONTENTS

| 1.0 | INTRODUCTION AND BACKGROUND | 1 |
|--------------------------|--|----------|
| 1.1 1.2 1.3 | Site Description | 1 |
| 2.0 S | SITE INVESTIGATION HISTORY | 4 |
| 2.1 2.2 2.3 | Regulated Substances Released | 6 |
| 3.0 C | CONCEPTUAL SITE MODEL | 9 |
| 3.1 3.2 3.3 3.4 | Potential Sources | 11 13 |
| 4.0 C | COMPLIANCE WITH RISK REDUCTION STANDARDS | 17 |
| 4.1 4.2 | | |
| 5.0 | CORRECTIVE ACTION PLAN | 20 |
| 6.0 F | REFERENCES | 21 |

LIST OF FIGURES

| Figure | 1 | Site | Location Map |
|--------|---|------|--------------|
| | | | |

Figure 2 Site Plan

Figure 3 Conceptual Site Model

Figure 4 Extent of Regulated Substances in Soil

Figure 5 Nickel Concentrations in Groundwater (mg/L) – July 2016
Figure 6 Fluoride Concentrations in Groundwater (mg/L) – July 2016
Figure 7 TCE Concentrations in Groundwater (mg/L) – July 2016

LIST OF TABLES

Table 1 Summary of Soil Analyses

Table 2 Summary of Groundwater Analyses

LIST OF ATTACHMENTS

Attachment A Legal Description

Attachment B Groundwater Monitoring Report: July 2016

Attachment C Plume Stability Analysis
Attachment D Risk Reduction Standards
Attachment E Environmental Covenant

LIST OF ACRONYMS

CAP Corrective Action Plan
CSR Compliance Status Report

ECS Environmental Compliance Services
EPA Environmental Protection Agency
EPD Environmental Protection Division

GPM Gallons Per Minute

HSRA Georgia Hazardous Site Response Act

MCL Maximum Contaminant Level

mg/kg Milligrams per Kilogram (same as ppm)

mg/L Milligrams per Liter

NAVD North American Vertical Datum

RRS Risk Reduction Standard

TCE Trichloroethene

USGS United States Geological Survey

VIRP Voluntary Investigation and Remediation Plan

VOCs Volatile Organic Compounds

1.0 INTRODUCTION AND BACKGROUND

1.1 Introduction

PEACHTREE ENVIRONMENTAL, INC. (Peachtree) is submitting this Voluntary Investigation and Remediation Plan (VIRP) on behalf of the applicant, BTR Properties, LLC (BTR, or the Applicant), current owner of the property located at 141 Hammond Street, Carrollton, Carroll County, Georgia, occupied by BoMetals, Inc. (the Subject Site). In February 2000, the Subject Site was listed on the Georgia Hazardous Site Inventory (HSI) as the Trent Tube Division facility (HSI Site No. 10604). The purpose of this VIRP is to provide documentation as required to allow the delisting of the Subject Site from the HSI.

1.2 Site Description

The Subject Site consists of 36.25 acres of land located at 141 Hammond Drive in Carrollton, Carroll County, Georgia. The Site has a latitude coordinate 33° 35' 24" North and a longitude coordinate of 85° 05' 39" West. A Site Location Map is included as **Figure 1 – Site Location Map**.

The property is bordered to the south by Southern States farmers' co-op, to the west by a residential trailer park (Elizabeth Village), to the north by the Little Tallapoosa River, and to the east by Central of Georgia Railroad property.

Prior to purchase by BoMetals, the Subject Site was formerly occupied by the Trent Tube Division of Crucible Materials Corporation (Crucible). The 170,000-square-foot Trent Tube building was built in 1962 for the manufacture of stainless steel pipe and tubing products. Between 1973 and 1987, wastewater from the facility was directed to a former on-site wastewater treatment plant (WWTP), which consisted of a lime house, lime silo, and a 20,000-gallon holding tank. The water was then directed to three small settling ponds/basins. Clear water from the settling ponds was discharged to the Little Tallapoosa River, and sludge from the ponds was periodically removed by vacuum truck for off-site disposal. The settling ponds were closed between 1987 and 1989. A Site Plan showing the location of the former WWTP and settling ponds/basins is provided as **Figure 2 – Site Plan**.

The Trent Tube Division facility was closed in 2004. In 2005, BoMetals entered into an Agreement for Purchase and Sale of Real Property with Crucible, the former owner of the Trent Tube facility. Following the purchase of the Subject Site by BoMetals, ownership was transferred to BTR.

1.3 Qualifications of the Site and Applicant

BTR is submitting this VIRP under the Georgia Voluntary Remediation Act (the Act) for the former Trent Tube facility (HSI No. 10604). According to O.C.G.A. 12-8-105, in order to be considered a qualifying property, the Property must be listed on the Georgia Hazardous Site Inventory (HSI), or meet the criteria of the Georgia Brownfields Act (O.C.G.A. 12-8-205), or have a release of regulated substances to the environment. Under O.C.G.A. 12-8-105 the property shall also not:

- 1) Be listed on the federal National Priorities List;
- 2) Be currently undergoing response activities required by an Order of the Regional Administration of the United States Environmental Protection Agency;
- 3) Be a facility required to have a permit under the Georgia Hazardous Waste Management Act (HWMA);
- 4) Violate the terms and conditions under which the Environmental Protection Division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency; and
- 5) Have any unsatisfied or unsettled lien filed under subsection (e) of the HWMA or subsection (b) of the Georgia Underground Storage Tank Management Act.

The Property is listed as HSI No. 10604. None of the other criteria listed in items 1 - 5 apply. Therefore, the Property is a qualifying property under the Act.

In order for the Participant to meet the qualifications of the Voluntary Remediation Program (VRP) according to O.C.G.A. 12-8-106, the following additional criteria must be met:

- 1) The Applicant must be the owner of the VRP property or have express permission to enter another's property to perform corrective action including, to the extent applicable, implementing controls for the site pursuant to written lease, license, order or indenture;
- 2) Not be in violation of any order, judgement, statue, rule or regulation subject to the enforcement authority of the Director; and
- 3) Meet other such criteria as may be established by the DNR Board pursuant to O.C.G.A. 12-8-103.

As the Participant meets all the criteria stated above, the Participant is qualified for admission into the VRP.

The contact for the Applicant is as follows:

BTR Properties, LLC Mr. Todd Rambo 3003 Springs Industrial Drive Powder Springs, Georgia 30127-3858 (770) 832-2000

Appendix A – Legal Description contains the Warranty Deed(s) and Tax Plat(s) for the Qualifying Property(s).

2.0 SITE INVESTIGATION HISTORY

2.1 Summary of Previous Studies Conducted at the Site

As part of a 1996 potential property transfer, Triad Engineering, Inc. of Milwaukee and Civil & Environmental Consultants, Inc. of Pittsburgh conducted an environmental investigation of the Subject Site. Fifteen soil test borings (B-1 through B-15) and fourteen groundwater monitoring wells (MW-1 through MW-9 and MW-11 through MW-15) were installed as part of the 1996 investigation; monitoring wells MW-7 through MW-9 and MW-15 were subsequently abandoned. In 1997, Williams Environmental Services, LLC (Williams) of Birmingham, Alabama installed an additional, deep monitoring well (MW-12R).

The Subject Site was subsequently listed on the HSI as the Trent Tube Division facility (HSI No. 10604) in February 2000. An initial Compliance Status Report (CSR) for the Subject Site was prepared by Williams and submitted to the Georgia Environmental Protection Division (EPD) on November 22, 2002. Following receipt of Georgia EPD's September 15, 2003 comments, a revised CSR was submitted by Williams on September 20, 2004. The revised CSR documented that soils at the facility were in compliance with applicable risk reduction standards; therefore, corrective action was not required for soil at the Subject Site. However, nickel, fluoride and trichloroethene (TCE) were found to exceed Type 4 risk reduction standards in groundwater. Additional revisions to the CSR were submitted on March 14, 2005, and August 1, 2005 in response to Georgia EPD comments.

As part of the CSR investigation, Williams sampled soils at 22 locations (SB-5 through SB-26) and four background locations (BGSB-1 through BGSB-4), and installed twelve additional monitoring wells (MW-16 through MW-25, MW-21D and MW-24D), between 2002 and 2004. The groundwater investigations indicated that shallow groundwater flows to the north and west with discharge to the Little Tallapoosa River. Vertical hydraulic gradients between the shallow and deeper groundwater is upward, as typical in groundwater discharge zones, implying that deeper groundwater also discharges to the Little Tallapoosa River.

An initial Corrective Action Plan (CAP) was submitted by Williams on November 30, 2004. A Revised CAP was prepared by Williams in September 2005 in response to Georgia EPD comments dated May 24, 2005. The Revised CAP addressed the presence of nickel, fluoride, and TCE in groundwater at the Subject Site at concentrations above the applicable risk reduction standards (RRS). Georgia EPD conditionally approved the CAP in a November 22, 2005 letter, adding nitrate and nitrite to the analyte list.

In May 2005, BoMetals submitted a Prospective Purchaser CSR prepared by Peachtree Environmental (Peachtree). According to the Prospective Purchaser CSR, a general sampling rationale had been developed as a result of a meeting among Georgia EPD and representatives of BoMetals and Crucible. The sampling strategy included investigation of additional source areas which might have been present within the facility building associated with former process areas, as well as other potential source areas that may have been impacted by constituents of concern. The results of these investigations were summarized in the May 2005 Prospective Purchaser CSR, which certified that soil at the site was in compliance with Type 1 risk reduction standards for various volatile organic compounds (acetone, toluene and tetrachloroethene) and Type 3 risk reduction standards for fluoride and nickel (Peachtree, 2005).

Georgia EPD reviewed the May 2005 Prospective Purchaser CSR and in a September 22, 2005 letter concurred with the certification for soils. Georgia EPD further granted BoMetals, Inc. a limitation of liability for pre-existing releases at the site. In September 2005, BoMetals, Inc. submitted an Addendum to the Prospective Purchaser CSR which included the results of Crucible's August 1, 2005 revised CSR.

The groundwater monitoring program described in the September 2005 Revised CAP included quarterly sampling of selected monitoring wells (MW-1 through MW-5, MW-12, MW-12D, MW-13, MW-18, MW-20, MW-24, MW-25, and MW-26). Groundwater monitoring was initiated in March 2006 by Crucible following purchase of the property by BoMetals, although changes to the monitoring program have occurred over time.

On May 1, 2007, Georgia EPD informed Crucible that analysis for nitrites was no longer required, based on the absence of nitrites above detection limits in the quarterly groundwater samples obtained in 2006. Additionally, in an April 27, 2007 letter, Georgia EPD agreed that monitoring wells MW-12D, MW-18 and MW-24 only needed to be sampled annually. On February 5, 2009, Georgia EPD agreed that the sampling frequency at monitoring well MW-13 could also be reduced to an annual basis.

On July 23, 2007, Georgia EPD agreed that analyses for TCE could be discontinued at monitoring wells MW-3, MW-5, MW-12D, MW-18, MW-20, MW-24, MW-25 and MW-26, based on the absence of TCE above detection limits in groundwater samples from these wells during previous monitoring events. However, on February 5, 2009, Georgia EPD requested that biodegradation products for TCE be included in future monitoring for those remaining wells analyzed for TCE.

Groundwater monitoring well MW-4 had been dry on numerous occasions and was incapable of providing samples representative of groundwater quality. On January 19, 2009, Crucible requested permission to abandon monitoring well MW-4 and install a deeper replacement well (MW-4R) due to the frequent lack of water in the well. On

January 23, 2009, EPD concurred with the request to install monitoring well MW-4R but required continued sampling of monitoring well MW-4, when possible, until sufficient data was collected from MW-4R to determine comparability to monitoring well MW-4. Monitoring well MW-4R was installed on February 3, 2009.

Crucible filed for bankruptcy protection on May 6, 2009. The groundwater monitoring program continued under the direction of the Bankruptcy Court between May 2009 and August 2010. There has not been environmental compliance monitoring or corrective action activities performed at the Subject Site since August 2010 until Georgia EPD retained Environmental Compliance Services, Inc (ECS) of Woodstock, Georgia to perform sampling on July 20, 2016. A copy of the ECS report is included as **Appendix B - Groundwater Monitoring Report: July 2016**.

2.2 Regulated Substances Released

As a result of prior investigation activities, the following regulated substances have been identified in soil and/or groundwater:

Metals

- Barium (CAS No: 7440-39-3) Soil only
- Chromium (CAS No: 7440-47-3) Soil only
- Fluoride (CAS No. 16984-48-8) Soil and groundwater
- Lead (CAS No: 7439-92-1) Soil only
- Mercury (CAS No. 7439-97-6) Soil only
- Nickel (CAS No. 7440-02-0) Soil and groundwater

Volatile Organic Compounds

- Acetone (CAS No. 67-64-1) Soil only
- Toluene (CAS No. 108-88-3) Soil only
- Trichloroethene (CAS No. 79-01-6) Soil and groundwater

Polychlorinated Biphenyls (PCBs)

• Aroclor 1248 (CAS No. 12672-29-6) – Soil only

As previously noted, the May 2005 Prospective Purchaser CSR certified that soil at the site was in compliance with Type 1 and Type 3 RRS. On September 22, 2005, Georgia EPD concurred with the certification for soils. The September 2005 Revised CAP was prepared to address the presence of nickel, fluoride, and TCE in groundwater at concentrations above the RRS.

2.3 Site Delineation Standards

The Georgia VRP allows the following standards for horizontal and vertical delineation of regulated substances in soil and groundwater:

- (A) Concentrations from an appropriate number of samples that are representative of local ambient or anthropogenic background conditions not affected by the subject site release;
- (B) Soil concentrations less than those concentrations that require notification under hazardous site response act (HSRA);
- (C) Two times the laboratory lower detection limit concentration using an applicable analytical test method recognized by the U.S. Environmental Protection Agency, provided that such concentrations do not exceed all cleanup standards;
- (D) For metals in soils, the concentrations reported for Georgia undisturbed native soil samples as reported in the United States Geological Survey (USGS) Open File Report 8 1-197 (Boerngen and Shacklette, 1981), or such later version as may be adopted by rule or regulation of the board; or
- (E) Default, residential cleanup standards;

The Type 1 residential RRS will serve as the soil delineation standards for the Subject Site. The current soil delineation standards are listed as follows:

SOIL DELINEATION STANDARDS

| REGULATED CONSTITUENT | HIGHEST DETECTED CONCENTRATION (MG/KG) | Type 1 RRS (MG/KG) |
|-------------------------------|--|--------------------|
| METALS | • | · · |
| Barium | 187 | 1,000 |
| Chromium | 6,400 | 100 |
| Fluoride | 502 | 400 |
| Lead | 87.8 | 75 |
| Mercury | 2.88 | 0.5 |
| Nickel | 393 | 50 |
| VOLATILE ORGANIC COMPO | UNDS | |
| Acetone | 0.66 | 400 |
| Toluene | 0.0041 | 100 |
| Trichloroethene | 0.0088 | 0.5 |
| PCBs | | |
| Arochlor 1248 | 0.12 | 1.55 |

The Type 1 residential RRS will also serve as the groundwater delineation standards for the Subject Site. The current groundwater delineation standards are listed as follows:

GROUNDWATER DELINEATION STANDARDS

| REGULATED CONSTITUENT | HIGHEST DETECTED CONCENTRATION (MG/L) | Type 1 RRS (MG/L) | | |
|----------------------------|---------------------------------------|-------------------|--|--|
| METALS | | | | |
| Fluoride | 302 | 4 | | |
| Nickel | 12.4 | 0.1 | | |
| VOLATILE ORGANIC COMPOUNDS | | | | |
| Trichloroethene | 0.051 | 0.005 | | |

Calculation of the RRS are discussed in Section 4.0.

3.0 CONCEPTUAL SITE MODEL

3.1 Hydrogeologic Setting

The Subject Site is located in the southwestern portion of the Central Uplands District of the Southern Piedmont Physiographic Province (Clark and Zisa, 1976). Streams in the southwestern portion of the Central Uplands District exhibit rectangular drainage and generally lie 100 to 500 feet below the surrounding land surface.

The Subject Site occurs at elevations between 980 and approximately 1,040 feet above the North American Vertical Datum (NAVD) of 1988 (NAVD is approximately mean sea level). The ground surface slopes gently to the north toward the Little Tallapoosa River, which forms the northern boundary of the property. In Carroll County, the Little Tallapoosa River is a southwest-flowing stream. Approximately 35 miles southwest of the Subject Site, the Little Tallapoosa River flows into the Tallapoosa River in Randolph County, Alabama. The Tallapoosa River joins the Coosa River about 10 miles northeast of Montgomery near Wetumpka (Elmore County, Alabama) to form the Alabama River, a south-flowing tributary to the Gulf of Mexico.

In Carrollton, the Little Tallapoosa River has a 7-day, 10-year minimum flow (7Q10) of 3.3 million gallons per day, and the City of Carrollton is required to ensure that the flow does not decrease below this level (Environ, 2005). The City adds water from three reservoirs to the River during drought conditions to maintain the 7Q10 minimum flow.

Soil beneath the Subject Site consists of Madison gravelly clay loam and Madison gravelly fine sandy loam (USDA, 2016). Both soils are well drained and typically occupy the side slopes and shoulders of hills, and are derived from residuum weathered from mica schist and/or gneiss. At the Subject Site, the clay loam occurs at higher elevations and underlies the main facility building, while the fine sandy loam occurs at lower elevations between the building and the Little Tallapoosa River.

The Georgia Geological Survey (1976) indicates that bedrock beneath the Subject Site consists of a garnet mica schist. Higgins et al (1988) proposed that all the bedrock in western Georgia and eastern Alabama occurs as an enormous stack or stacks of folded thrust sheets. Mapping by Higgins et al (1988) show the vicinity of the Subject Site to be underlain by eroded remnants of the Bill Arp and Zebulon thrust sheets, the lowermost of the stacked thrust sheets, along with remnants of the overlying Sandy Springs thrust sheet. Mapped formations within the Bill Arp thrust sheet include the Wacoochee Complex (Woodland Gneiss, Cunningham Granite, Apalachee Formation, and Sparks Schist). The Zebulon thrust sheet mainly contains rocks of the Zebulon Formation. Rocks in the Sandy Springs thrust sheet are assigned to the Sandy Springs Group (Powers Ferry Formation, Chattahoochee Palisades Quartzite, and Factory Shoals Formation).

Bedrock in the Southern Piedmont is overlain by unconsolidated material called regolith, which includes saprolite, a layer of earthy, decomposed rock developed by weathering of bedrock, residual soil that develops in the upper part of the saprolite, and alluvium, which is mainly confined to stream valleys and may overlie residual soil, saprolite, and bedrock. The saprolite is by far the thickest component of the regolith; although highly variable, the thickness of saprolite in Georgia ranges up to 150 feet in places. Where saturated, the unconsolidated materials form the uppermost water-bearing zone in the Piedmont. Groundwater in the regolith is generally under unconfined (water table) conditions.

Metamorphic rocks of the Southern Piedmont are generally not considered good producers of groundwater, except where secondary porosity occurs in the form of fractures and joints. Groundwater may occupy fractures, joints, and other secondary openings in the underlying bedrock, as well as pore spaces in the overlying residual mantle of regolith. Water recharges the underground openings in bedrock by the seeping of precipitation through the overlying regolith or by flowing directly into openings in exposed rock. These openings tend to decrease in number and thickness with depth. Locally, artesian conditions exist when wells penetrate deeply buried fractures that are hydraulically connected to recharge areas at higher altitudes, or in places where the overlying regolith is clayey and forms a confining unit.

Based on the assumption that the groundwater flow direction approximates the drop in land surface topography, groundwater in the vicinity of the Subject Site is assumed to flow toward the north and discharge to the Little Tallapoosa River. The assumed groundwater flow direction has been confirmed by water-level measurements from the on-site monitoring wells and development of potentiometric maps. It is not possible for groundwater to flow beyond the Little Tallapoosa River, as there is no groundwater discharge point at a lower elevation than the Little Tallapoosa for groundwater to flow toward. Surrounding streams and creeks are all higher-elevation tributaries to the lower Little Tallapoosa, and the Little Tallapoosa does not discharge to another river until it travels another 35 miles west to its confluence in Alabama with the Tallapoosa River.

Since the ground surface on the opposite (north) side of the Little Tallapoosa River from the Subject Site also slopes toward the river, groundwater on the opposite side of the river is expected to flow to the south, with groundwater discharging to the Little Tallapoosa. Groundwater from both sides of the river is then carried downstream as streamflow. As a result, there is no property (other than the narrow Little Tallapoosa River itself) downgradient from the Subject Site.

In summary, groundwater in the Little Tallapoosa River basin is recharged by rainfall across the basin, which infiltrates to the water table and then migrates laterally toward the Little Tallapoosa or its tributaries (where present). Groundwater that enters the river or

its tributaries is eventually conveyed to the Tallapoosa River and then the Alabama River and ultimately the Gulf of Mexico.

A block diagram showing the general hydrogeologic characteristics of the Subject Site and vicinity, along with groundwater transport pathways, is provided as **Figure 3 – Conceptual Site Model**.

3.2 Potential Sources

Sources that potentially have or are contributing to a release of hazardous substances at the Subject Site include the former settling ponds and areas where facility wastewater was stored or transported.

The potential sources are described in further detail below

- Settling Basin No. 1 Settling Basin No. 1 was described in a Closure Plan dated August 31, 1987 as 84 feet by 99 feet at the surface, 30 feet by 45 feet at the base, and 9 feet deep. The closure plan indicated that four feet of sludge, four to six inches of clay liner, and concrete structures were to be removed from the basin, and the underground PVC pipes would be capped and left in place. In 2002, soil boring SB-15 was advanced adjacent to former Settling Basin No. 1; nickel was detected in the soil samples from 0-2 feet and 15-17 feet at concentrations greater than the Type 1 RRS but below the Type 2 RRS (see Table 1 Summary of Soil Analyses).
- Settling Basin No. 2 Settling Basin No. 2 was reportedly the same dimensions as Settling Basin No. 1 and was scheduled for closure in a manner similar to Settling Basin No. 1. In 1996, soil boring B-2 was advanced adjacent to former Settling Basin No. 2 and a soil sample was obtained at a depth of 3-5 feet; the concentrations of metals were below the Type 1 RRS (see Table 1). In addition, monitoring well MW-1 was installed within former Settling Basin No. 2; fluoride concentrations in groundwater from MW-1 have historically been above the Type 4 RRS, including the recent (July 2016) groundwater sampling event (see Table 2 Summary of Groundwater Analyses). Although concentrations of nickel in groundwater were historically also above Type 4 RRS, since November 2009, nickel concentrations in groundwater from MW-1 have been below the Type 4 RRS, including during the July 2016 sampling event.
- <u>Settling Basin No. 3</u> The dimensions of Settling Basin No. 3 were reported in the Closure Plan as 55 feet across at the base. The Carroll County Georgia Tax Map indicated that the pond was approximately 150 feet by

100 feet at the surface. The Closure Plan indicated that one and a half feet of sludge were to be removed before back filling and that the concrete effluent pad would be left in place and covered. In 1996, soil borings B-3 and B-4 were advanced within former Settling Basin No. 3 and soil samples were obtained at depths of 3-5 feet (B-3) and 6-8 feet (B-4); concentrations of chromium and nickel in both samples exceeded the Type 1 RRS but were less than the Type 2 RRS (see **Table 1**). In 2002, soil boring SB-16 was also installed within former Settling Basin No. 3; as at B-3 and B-4, concentrations of chromium and nickel exceeded the Type 1 but were less than the Type 2 RRS in the soil samples obtained. In addition, the concentration of fluoride in an SB-16 soil sample from a depth of 5-7 feet exceeded the Type 1 but was less than the Type 2 RRS. Finally, monitoring well MW-2 was installed in 1996 within former Settling Basin No. 3. Nickel has never exceeded the Type 4 RRS in groundwater from MW-2, but concentrations of fluoride and TCE have historically exceeded the Type 4 RRS in groundwater from MW-2, including during the recent (July 2016) sampling event (see Table 2).

- Wastewater Lines Contact and non-contact cooling water was transported through wastewater lines to the sanitary sewer. The old lines were reported removed in January 2003 and replaced with new conduits with secondary containment piping.
- Hydrofluoric Acid Vats and Pickle Rinse Lines Acid pickling was used in metal casting to remove scale, rust, oxides, oil, grease, and dirt from the surface of the product. The pickling process involved the cleaning of the metal surface with inorganic acids such as hydrochloric acid, sulfuric acid, or nitric acid. Castings generally pass from the pickling bath through a series of rinses. Hydrofluoric acid was used at the Trent Tube facility in vats in at least three areas including Bay A, Bay B, and Bay C. The acid was stored in tanks adjacent to the vats. The spent pickle rinse was transported through pipelines to the wastewater treatment plant for neutralization. In 2002, shallow (0-2 feet) soil samples were obtained at borings SB-24 and SB-25 inside of the building near the pickling process operations. Concentrations of metals were below the Type 1 RRS in both samples, with the exception of nickel at SB-24, which exceeded the Type 1 RRS but was below the Type 2 RRS (see **Table 1**). Monitoring well MW-5 was installed outside of the western end of the building near soil boring SB-25. Concentrations of fluoride and nickel in groundwater from MW-5 have historically exceeded the Type 4 RRS, including the recent, July 2016 sampling event (see **Table 2**).

The former settling ponds were closed between 1987 and 1989 and soil sampling has not detected inorganics (metals and fluoride) at concentrations greater than Type 2 RRS, although groundwater beneath the former settling ponds has been impacted by nickel, fluoride and TCE. The wastewater lines were removed by January 2003 and replaced with conduits with secondary containment piping. Groundwater near the former Crucible acid pickling process on the western end of the building has been impacted by nickel and fluoride. BoMetals no longer operates the former pickling process. Therefore, these potential sources are no longer active.

3.3 Soil Concentrations

The extent of hazardous substances in soil has previously been delineated to background concentrations; documentation of the lateral and horizontal extent of hazardous substances in soil and certification of compliance with risk reduction standards was provided to Georgia EPD in the Application for Limitation of Liability and Prospective Purchaser Compliance Status Report for the Former Trent Tube Facility, Carrollton, Carroll County, Georgia (Peachtree, 2005) prepared for BoMetals and dated May 2005.

Acetone, trichloroethene, toluene, Aroclor 1248, barium, chromium, lead, mercury, nickel and fluoride were each detected above background standards in one or more soil samples. The analytical results are summarized in **Table 1**. Of these substances, the maximum concentrations of acetone, trichloroethene, toluene, Aroclor 1248, barium, and chromium in soil were less than the Type 1 RRS. The maximum concentrations of lead and nickel in soil were less than the Type 2 RRS. The maximum concentration of mercury and fluoride were less than the Type 3 RRS.

As the maximum concentration of any detected regulated substance in soil did not exceed the Type 3 RRS and the Subject Site is not being used for residences, corrective action was not required for soils.

The lateral extent of the detected regulated substances in soil was delineated to the Type 1 residential RRS listed in Section 2.3. Although some regulated substances were detected in soil above background on the adjacent, residential property, none of the soil samples on the adjacent property has concentrations exceeding the residential Type 2 RRS.

A summary of soil analytical testing results is presented in **Table 1** and on **Figure 4** – **Extent of Regulated Substances in Soil**. Regulated substances in soil have been delineated on the BTR property to the Type 1 RRS, and off-site soil on the adjacent parcel to the west complies with Type 1 RRS.

3.4 Groundwater Concentrations

As discussed in Section 2.1, the groundwater monitoring program at the Subject Site was initiated in Match 2006 by Crucible and continued under the direction of the Bankruptcy Court between May 2009 and August 2010. On July 20, 2016, Georgia EPD retained Environmental Compliance Services, Inc (ECS) of Woodstock, Georgia to sample the existing monitoring wells. The analytical data are included in **Table 2**. Georgia EPD provided BTR with a copy of the ECS sampling report (see **Attachment B**).

As indicated by the July 2016 report, nickel and fluoride have been detected in groundwater samples from the Subject Site at concentrations exceeding the Type 4 RRS in one of more wells. TCE has been detected in groundwater samples from monitoring well MW-2 at concentrations exceeding the Type 4 RRS.

As part of a June 2009 Addendum to the CAP, a groundwater plume stability analysis was prepared for nickel and fluoride in groundwater. The analysis considered the area, average concentration, contaminant mass, and center of mass of the nickel and fluoride plumes at the Subject Site between March 2006 and May 2009. Because TCE has only been detected in one monitoring well (MW-2), plume maps were not generated and TCE plume stability was evaluated based solely of the concentration trend at MW-2. Copies of the plume maps and trend analyses are provided as **Attachment C – Plume Stability Analysis**.

The Plume Stability Analysis provided "very strong" evidence that the nickel plume area, average concentration, and contaminant mass were decreasing. The average concentration and contaminant mass for the fluoride plume were also shown to be decreasing based on the observed trend lines, although the trends were statistically considered "stable." The TCE plume was also shown to be stable based on a time-trend analysis of the concentrations at monitoring well MW-2. No plume characteristics (area, average concentration, or mass) were observed to be increasing for nickel, fluoride or TCE.

The decreasing trends are attributed to the removal of the former sources. The former settling ponds were closed between 1987 and 1989 and the wastewater lines were replaced by January 2003 with secondary containment piping. BoMetals no longer operates the former Crucible acid pickling process. With no source, the groundwater plumes are attenuating through dispersion and advection, as well as biodegradation in the case of TCE.

As shown in **Table 2**, groundwater concentrations have continued to decrease since the June 2009 Plume Stability Analysis. Concentrations in groundwater of nickel at source-area monitoring well MW-4 have decreased from 9.19 milligrams per liter (mg/L) in March

2006 to 4.84 mg/L in July 2016, and concentrations of fluoride have decreased over the same period of time from 230 mg/L to 182 mg/L.

Downgradient of the source area, nickel concentrations have decreased from 3.04 mg/L (March 2006) to 0.450 mg/L (July 2016) in groundwater from monitoring well MW-1 and from 1.42 mg/L to 0.698 mg/L in groundwater from MW-2. Similarly, fluoride concentrations decreased over the same time period from 110 mg/L to 32.3 mg/L in groundwater from monitoring well MW-1 and from 40.0 mg/L to 22.4 mg/L in groundwater from monitoring well MW-2.

Similar results are also observed further downgradient near the groundwater discharge area along the Little Tallapoosa River. At monitoring well MW-12, nickel concentrations decreased from 1.27 mg/L (March 2006) to 0.360 mg/L (July 2016) and fluoride concentrations decreased from 56 mg/L to 34.1 mg/L. Nickel has not been detected in groundwater from deep monitoring well MW-12D above laboratory Reporting Limits, but concentrations of fluoride decreased from 0.65 mg/L (March 2006) to 0.372 mg/L (July 2016) in groundwater from the well.

The concentration trends at downgradient/sidegradient monitoring well MW-20 are more complex. Concentrations of nickel and fluoride generally increased in groundwater from the well between March 2006 and November 2008 as the plume migrated to the MW-20 location. However, since that time, concentrations of nickel have decreased from 0.884 mg/L (November 2008) to 0.484 (August 2010) and concentrations of fluoride decreased from 47 mg/L to 21 mg/L. Monitoring well MW-20 was not sampled in July 2016 as the well was apparently removed or destroyed during recent construction of a Riverwalk along the Little Tallapoosa River.

TCE has only been detected in groundwater from monitoring well MW-2. In July 2016, the concentration of TCE was 0.00618 mg/L, less than the March 2006 concentration of 0.015 mg/L and almost an order of magnitude less than the maximum observed concentration of 0.034 mg/L (January 2008). Degradation products of TCE (e.g., dichloroethene and vinyl chloride) have not been detected in groundwater samples from MW-2 or from other monitoring wells.

The current extent of substances in groundwater is shown in Figure 5 - Nickel Concentrations in Groundwater (mg/L) - July 2016, Figure 6 - Fluoride Concentrations in Groundwater (mg/L) - July 2016, and Figure 7 - TCE Concentrations in Groundwater (mg/L) - July 2016. As shown on the figures, the extent of substances in groundwater above the Type 1 RRS is generally limited to the Subject Site. The exception to this trend is the historical presence of fluoride in groundwater in off-site monitoring well MW-25, where fluoride has been detected at concentrations exceeding the Type 4 RRS. Monitoring well MW-25 has reportedly been

destroyed during recent construction activities along the Little Tallapoosa River and was not sampled during the July 2016 monitoring event.

Contaminants in groundwater on the Subject Property enter the Little Tallapoosa River where they mix with the streamflow, maintained at a 7Q10 of 3.3 million gallons per day by the City of Carrollton by adding water as required from three reservoirs. After mixing with the streamflow, the diluted concentrations of contaminants are eventually conveyed to the Tallapoosa River and then the Alabama River, ultimately emptying into the Gulf of Mexico. Therefore, the Little Tallapoosa River is considered the Point of Exposure for groundwater.

As explained in **Section 3.1**, groundwater on the opposite side of the Little Tallapoosa River is expected to flow to the south and discharge into the river. As groundwater from both sides of the Little Tallapoosa discharges into the river, contaminants present in groundwater on the Subject Site do not cross the Little Tallapoosa and there is no property downgradient from the Subject Site.

4.0 COMPLIANCE WITH RISK REDUCTION STANDARDS

RRS were calculated for the constituents of potential concern in soil and groundwater (barium, chromium, lead, mercury, nickel, fluoride, acetone, trichloroethene, toluene, and Aroclor 1248). The calculations used the toxicity values (reference doses and cancer slope factors) provided in the on-line U.S. Environmental Protection Agency (EPA) Regional Screening Level (RSL) tables (May 2016 update). As previous RRS calculations used toxicity values from older data bases (i.e., IRIS and HEAST), some of the RRS values changed from previous submittals (e.g., Peachtree, 2005), particularly with regard to fluoride. **Attachment D** contains the RRS calculations.

Since chromium, lead, nickel, mercury and fluoride were each present in one or more soil samples at concentrations exceeding the Type 1 RRS, Type 2 RRS were calculated for those specific inorganic substances. Further, since mercury was present in soil at concentrations exceeding the Type 2 RRS, the Type 3 RRS for mercury was also calculated.

The soil-to-groundwater portioning calculation for total chromium generates unrealistically large values, and there are no EPA-approved toxicity values for total chromium. As a result, it is not possible to calculate a Type 2 RRS for total chromium. Therefore, the Type 2 RRS for total chromium assumes the chromium is present in the trivalent state, and the calculation of the Type 2 RRS for total chromium used the trivalent chromium toxicity values.

4.1 Soil

The maximum concentrations detected in soil for acetone, trichloroethene, toluene, Aroclor 1248, and barium were less than the Type 1 RRS. The maximum concentrations of chromium, lead, nickel and fluoride in soil were less than the Type 2 RRS. The maximum concentration of mercury in soil less than the Type 3 RRS. Therefore, the Subject Site meets at least the Type 3 RRS for soil for the Subject Site constituents of potential concern.

4.2 Groundwater

As stated earlier, the groundwater Point of Exposure for the Subject Site is the Little Tallapoosa River. Downgradient monitoring well MW-12, located near the Little Tallapoosa River, is considered the Point of Demonstration well for the Subject Site. Point of Demonstration well MW-12 is downgradient of monitoring well MW-2, where TCE was detected at a concentration of 0.00618 mg/L. TCE was not detected above the laboratory Reporting Limit (0.005 mg/L) in groundwater from Point of Demonstration well MW-12.

The concentration of nickel in groundwater from monitoring well MW-12 (0.360 mg/L) exceeds the Type 1/3 RRS (0.10 mg/L) and Type 2 RRS (0.31), but is currently less than the Type 4 RRS (2.0 mg/L) and has never exceeded the Type 4 RRS (see **Table 2**).

However, the concentration of fluoride in groundwater from monitoring well MW-12 (34.1 mg/L) during the July 2016 sampling is greater than the Type 4 RRS for fluoride (12.2 mg/L). It is assumed that groundwater with concentrations of fluoride greater than the Type 4 RRS reaches the Point of Exposure at the Little Tallapoosa River. However, as explained below, upon reaching the river, the groundwater discharges to the river and the seepage mixes with the streamflow, mixing the concentrations present in groundwater with the flow in the river. Since the river is naturally intercepting and assimilating the groundwater plume, there is no unacceptable risk to human health of the environment.

The groundwater seepage rate into the Little Tallapoosa River has been estimated at approximately 4.9 gallons per minute (gpm) along the roughly 900 feet where the river intercepts the fluoride plume (see plume maps in **Attachment C**) based on Darcy's law:

Q_{gw}=kiA

where:

Q_{gw} = groundwater discharge rate k = hydraulic conductivity (0.00282 ft/min) i = hydraulic gradient (0.052 feet/foot) A = cross-sectional area (900 feet x 5 feet = 4,500 feet²)

The hydraulic conductivity and gradient were estimated from slug tests and water-level measurement performed as part of the 2002 CSR investigation (Williams, 2005). The cross-sectional area was derived from the width of the fluoride plume as it enters the river (see **Figure 6**) and the saturated thickness between the water table at MW-12 and the top of bedrock.

Conservatively assuming that all of the groundwater passing through the 4,500 feet² cross-sectional area has the 34.1 mg/L fluoride concentration observed at MW-12 (in other words, ignoring the lower concentrations historically observed at MW-20 and MW-25, and assuming no attenuation between monitoring well MW-12 and the river), and conservatively assuming the minimum stream flow of 3.3 million gallons per day (2,292 gpm), the fluoride concentration after mixing with river water in the Little Tallapoosa River can be estimated using the following equation:

$$Q_{gw} * C_{gw} = Q_{sw} * C_{sw}$$

where:

 Q_{gw} = groundwater flow rate (4.9 gpm)

 C_{gw} = fluoride concentration in groundwater (34.1 mg/L)

 Q_{sw} = stream flow rate (2,292 gpm)

 C_{sw} = fluoride concentration in groundwater

Assuming that the groundwater seepage mixes homogeneously with the river water, and ignoring potential upstream contributions of fluoride to the river, the resulting fluoride concentration in the Little Tallapoosa River is 0.073 mg/L. This concentration is below the Type 1 RRS for fluoride (2 mg/L). The federal drinking water Maximum Contaminant Level (MCL) for chloride is also 2 mg/L; there is no Georgia In-Stream Water Quality Standard for fluoride.

Substituting the concentration of nickel (0.360 mg/L) in groundwater from monitoring well MW-12 for fluoride into the above equation results in a nickel concentration in the river of 0.000775 mg/L, well below both the Type 1 RRS and also the MCL for nickel (both 0.10 mg/L), as well as both the acute Georgia In-Stream Water Quality Standard for nickel (0.029 mg/L) and typical laboratory Reporting Limits for nickel (0.02 mg/L).

As discussed in **Section 5.0**, BTR, current owner of the Subject Property, is placing an Environmental Covenant on the Subject Site forbidding the use of groundwater on the property as a potable water source. A draft version of the Environmental Covenant is attached as **Appendix E – Environmental Covenant.** Therefore, there will be no ingestion of groundwater on the Subject Site. Since groundwater from off-site monitoring well MW-25 has historically had concentrations of fluoride greater than the Type 4 RRS, the owner of the adjacent Lawrence property is also implementing an Environmental Covenant forbidding the use of groundwater as a potable water source.

The Little Tallapoosa River assimilates the fluoride and nickel in groundwater to levels below the drinking water MCL and Type 1 RRS, based on the concentrations measured at Point of Demonstration monitoring well MW-12. Therefore, there is no unacceptable risk associated with groundwater or surface water ingestion, and in accordance with the Georgia VRP, the Environmental Covenant restricting groundwater use and the concentrations measured at MW-12 demonstrates that groundwater at the Subject Property is in compliance with the Type 1 RRS.

5.0 CORRECTIVE ACTION PLAN

The use of groundwater at the Subject Site as a potable water source will be prohibited by Environmental Covenants on the BTR property and the adjacent Lawrence property. The Environmental Covenant (**Appendix E**) for the Subject Site conforms to the Georgia Uniform Environmental Covenants Act, and include the following:

- Groundwater use is prohibited;
- Regulatory agency right of access will be granted when requested.

As the extent of substances in soil and groundwater has been delineated to the Type 1 RRS, no further investigation and sampling is necessary. As on-site soil meets the Type 3 RRS, corrective action is not needed on site (off-site soil concentrations are below the Type 1 RRS). With the proposed Environmental Covenants prohibiting exposure to groundwater, groundwater meets the Type 1 RRS at the Point of Exposure as demonstrated by the concentrations at Point of Demonstration well MW-12. Therefore, corrective action is not necessary for groundwater.

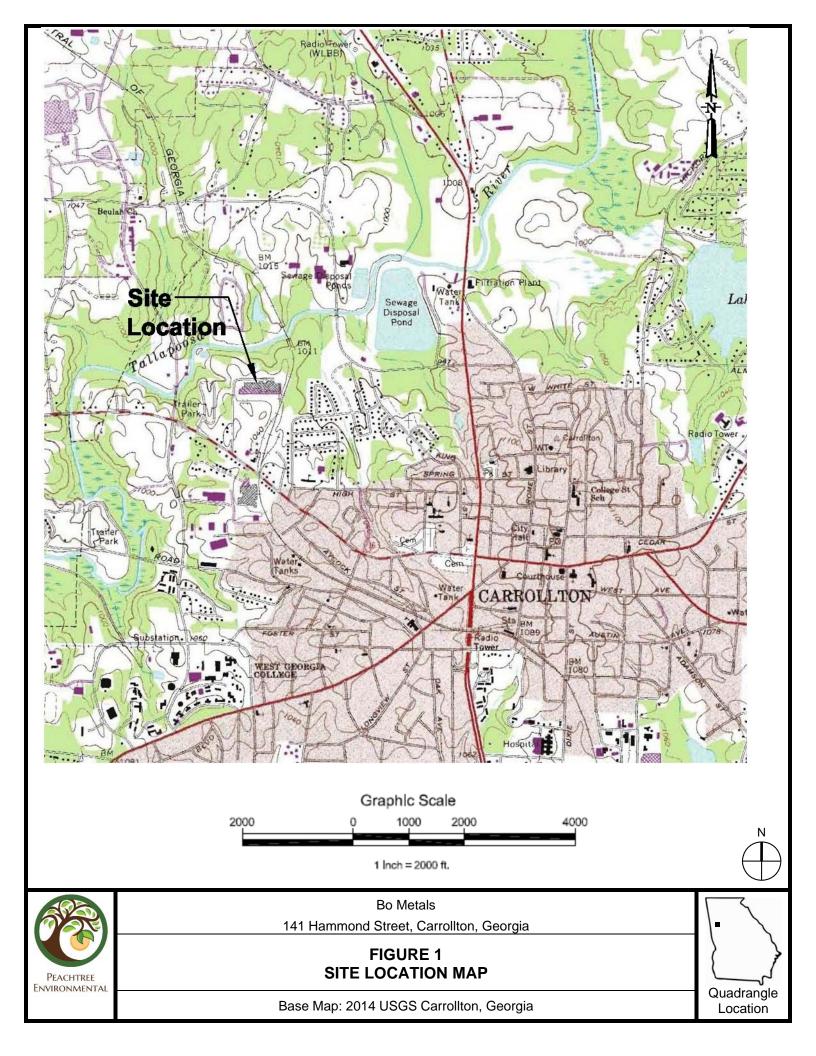
Following completion and approval of the Environmental Covenants, BTR respectfully requests that the Trent Tube Division HSI Site (No. 10604) be removed from the Hazardous Site Inventory.

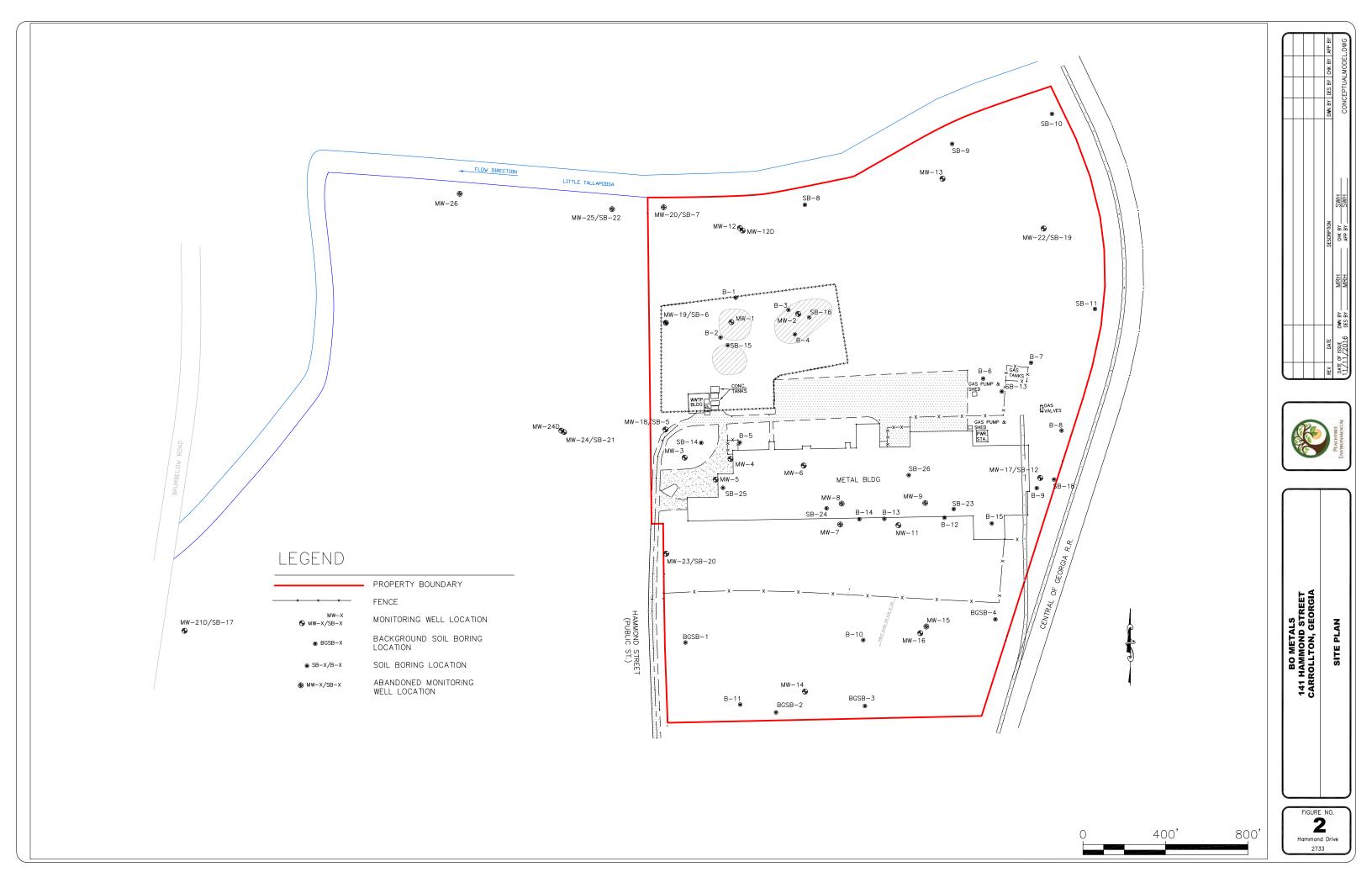
6.0 REFERENCES

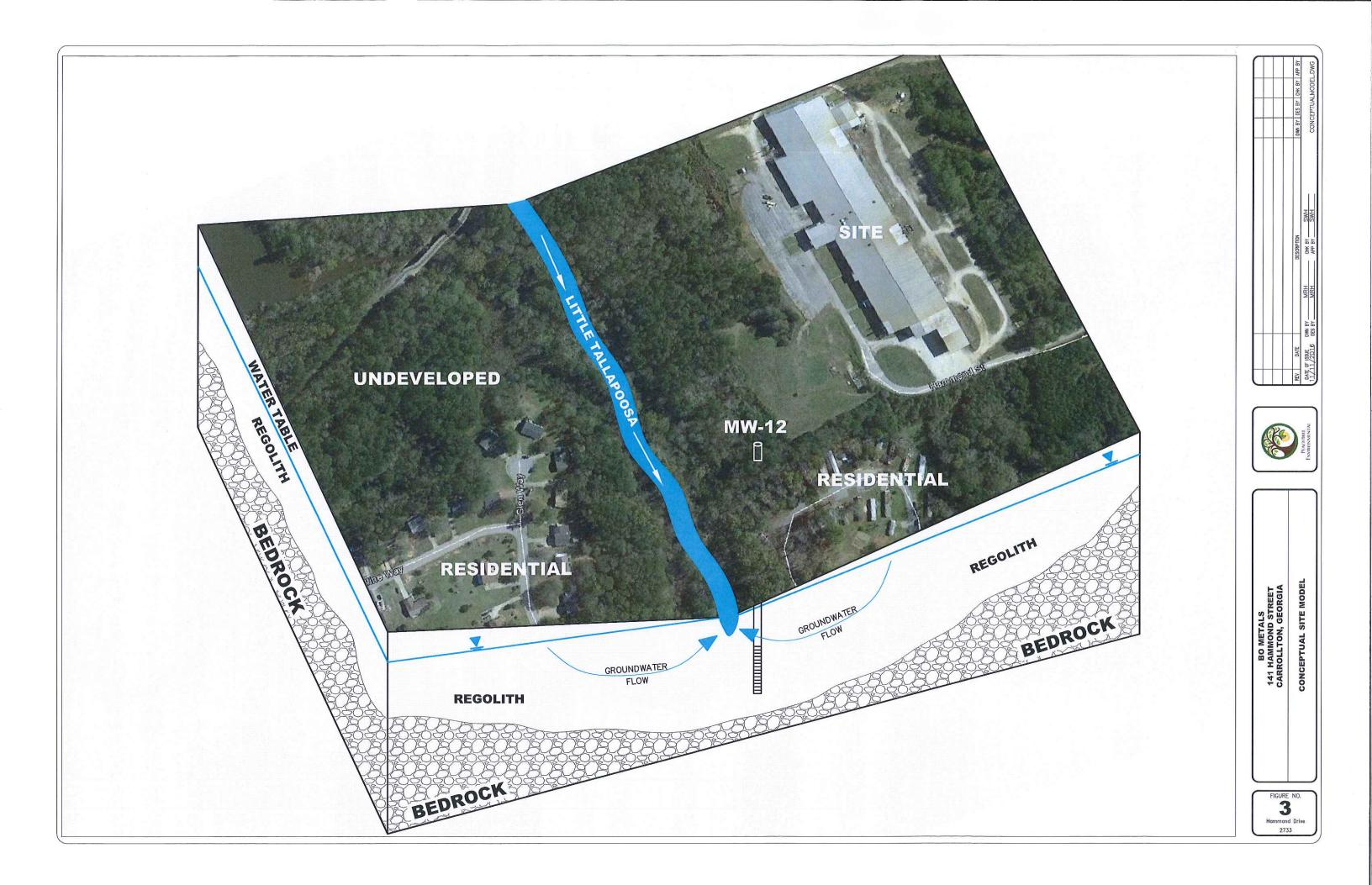
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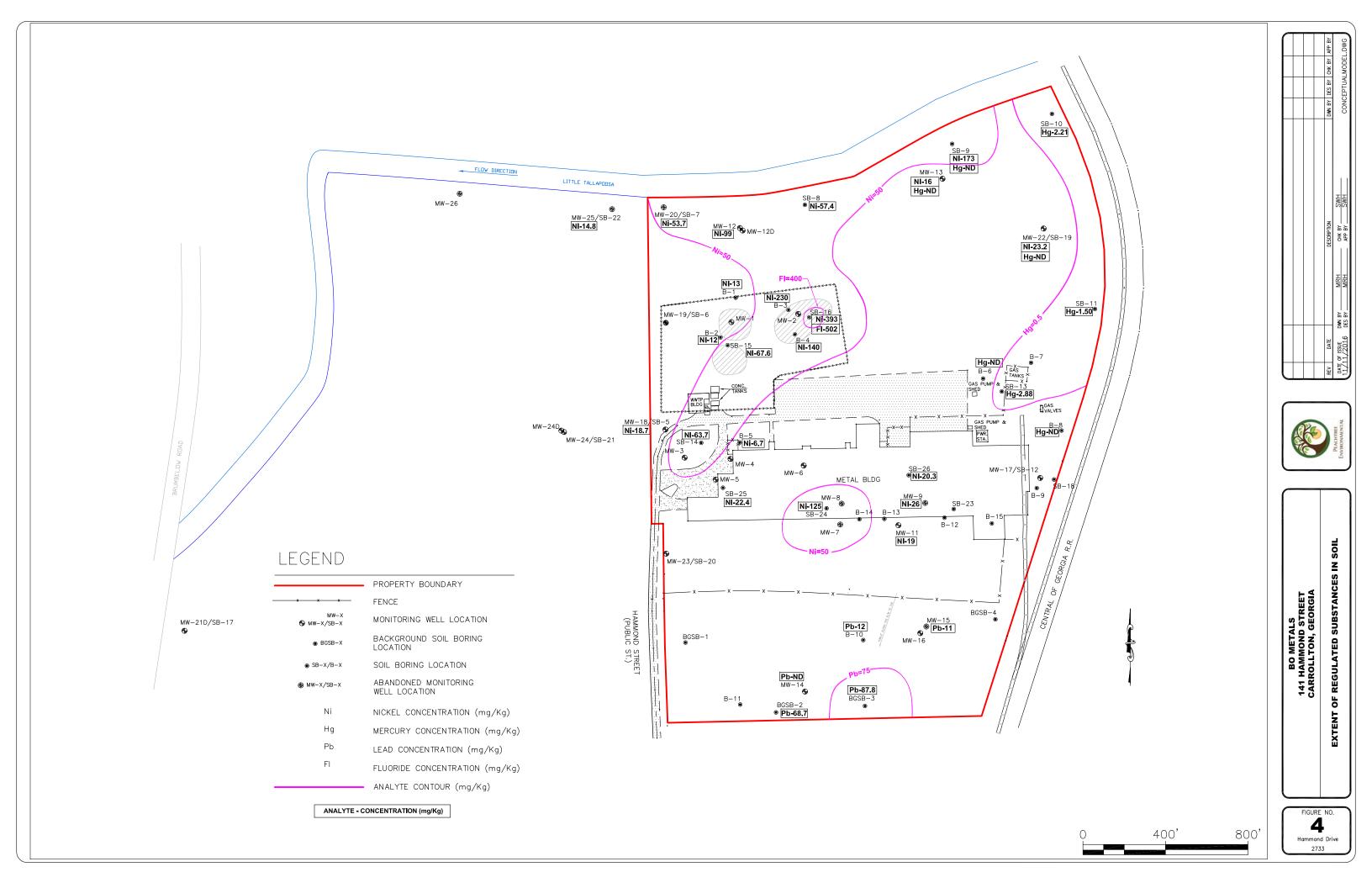


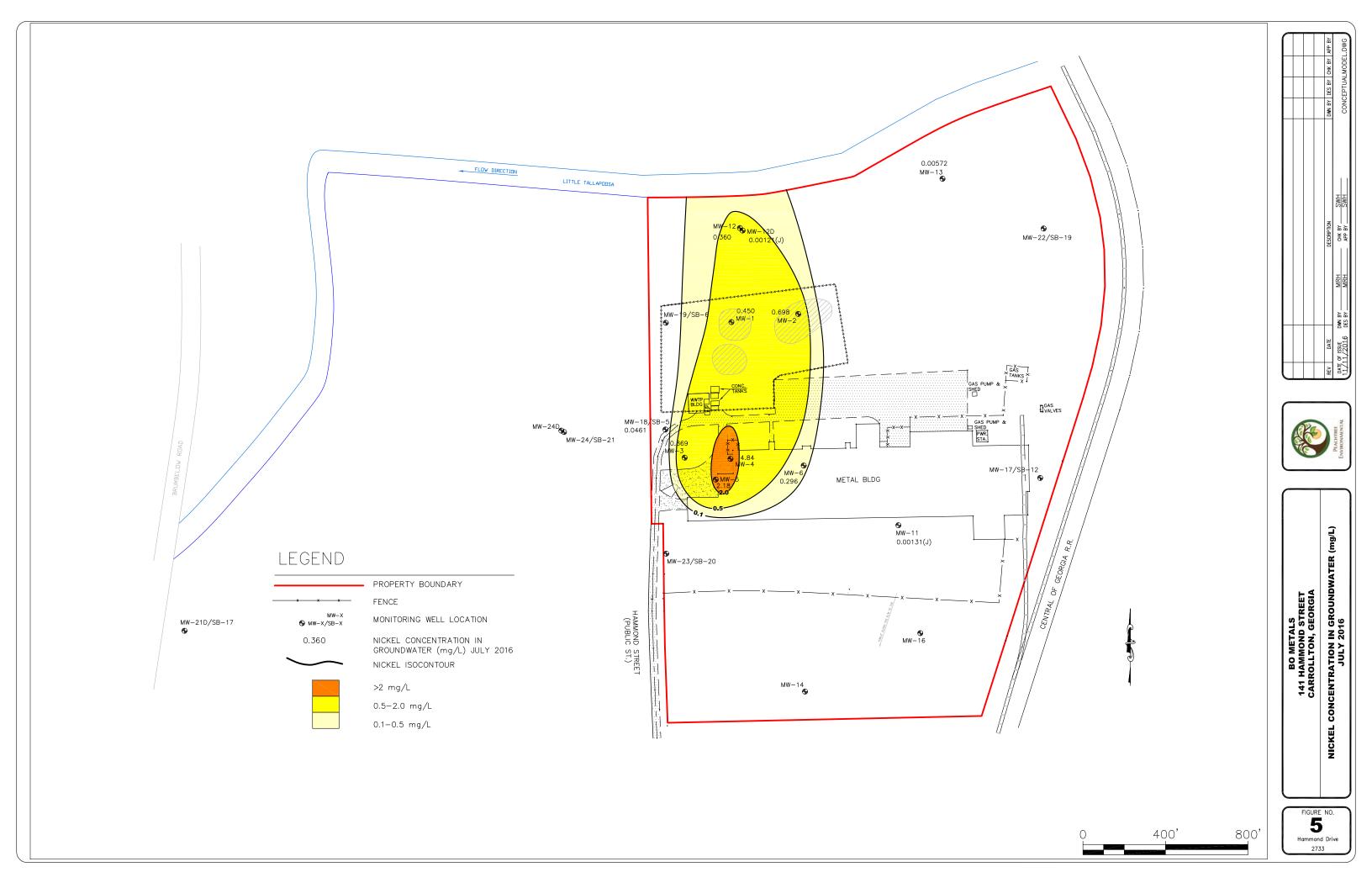
FIGURES

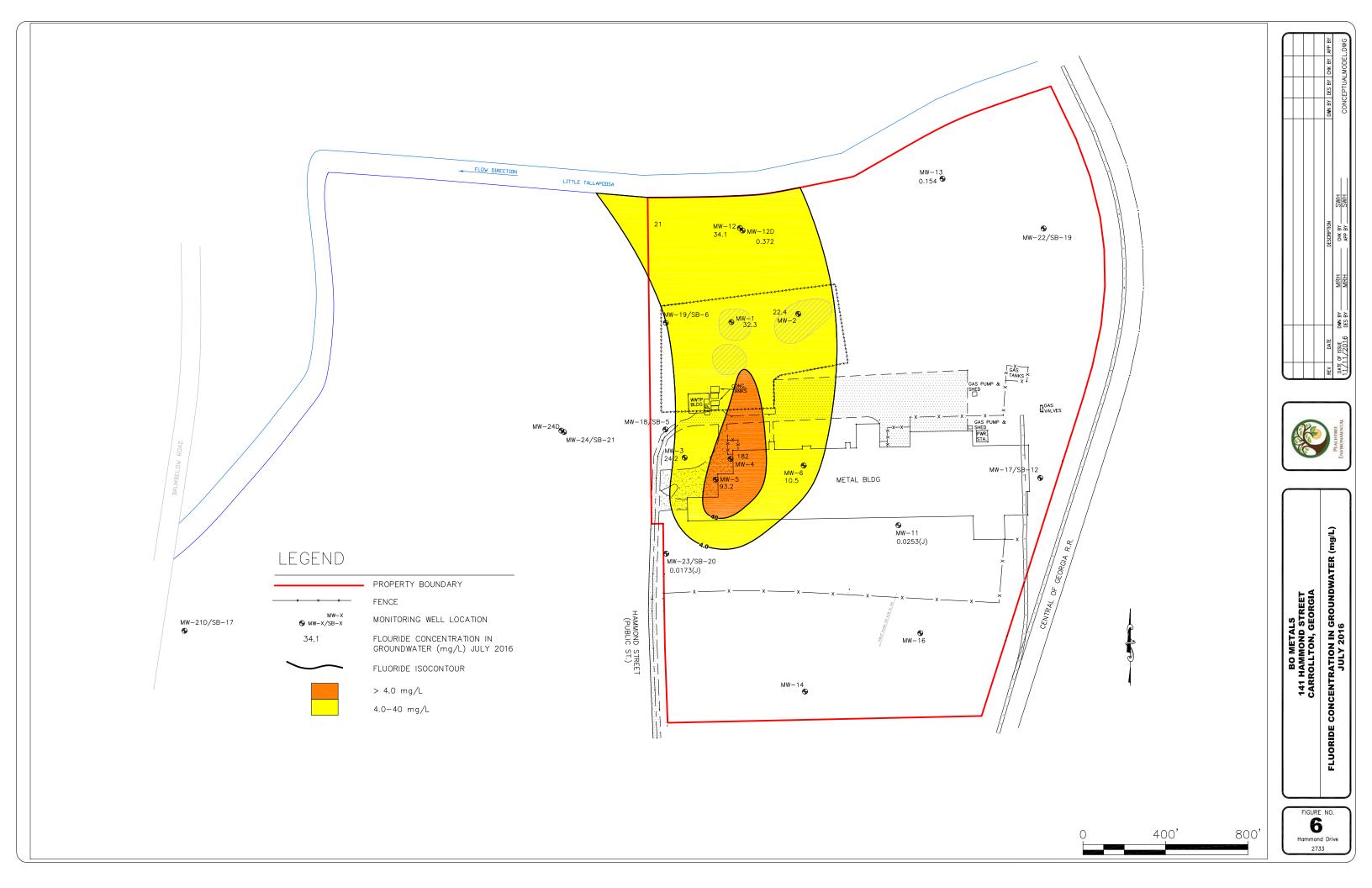


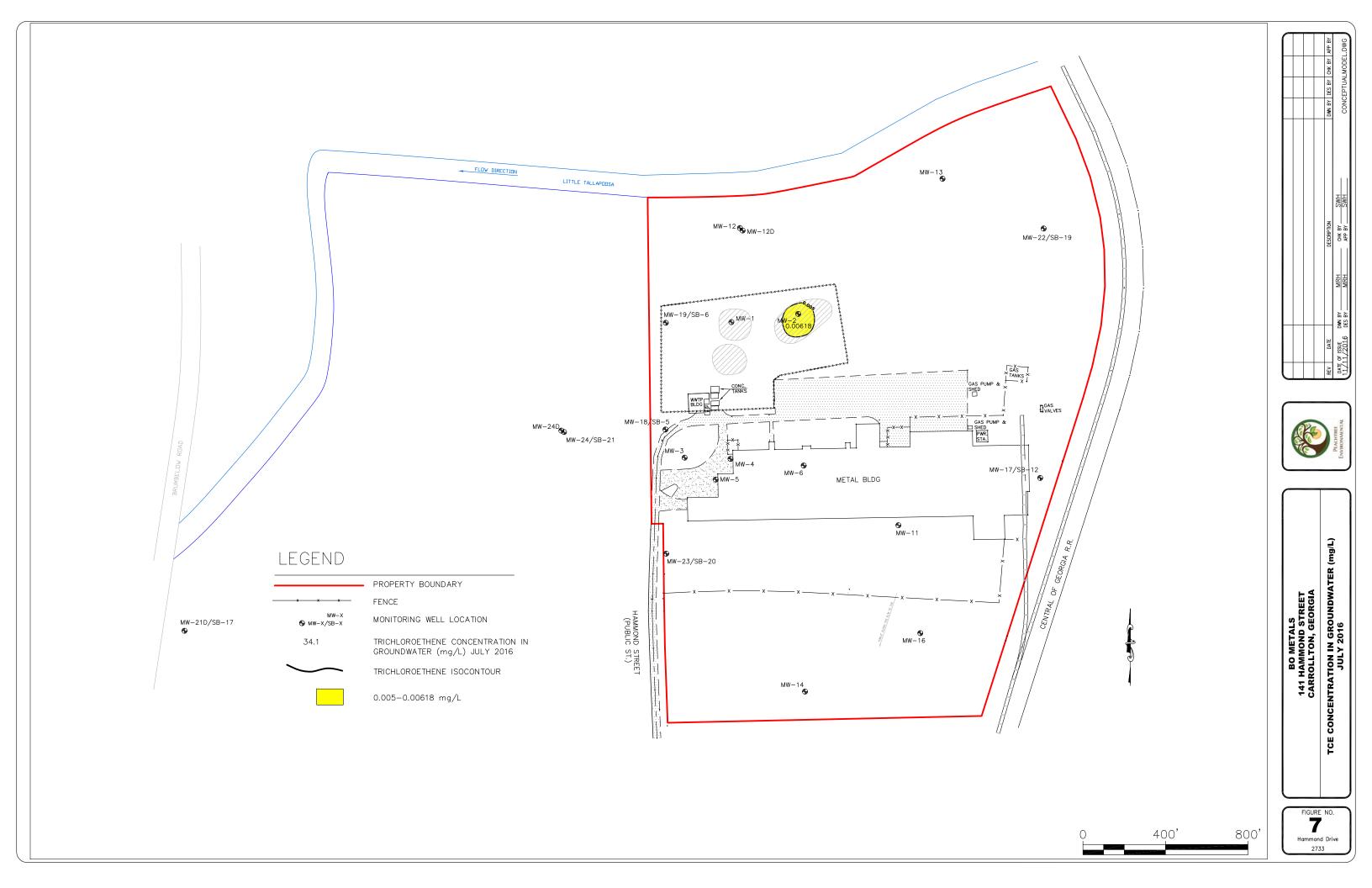














TABLES

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | Maximum | B-1 | B-2 | B-3 | B-4 | B-5 | B-6 |
|---------------------|------------|-------------|--------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Risk Re | duction Sta | ndards | Concentrations | 0-2 | 3-5 | 3-5 | 6-8 | 6-8 | 6-8 |
| | Type 1 | Type 2 | Type 3 | Detected | 4/23/1996 | 4/23/1996 | 4/23/1996 | 4/24/1996 | 4/23/1996 | 4/25/1996 |
| Volatile Organic Co | ompounds (| (ug/kg) | | | | | | | | |
| Acetone | 400,000 | | | 660 | | | | | | |
| Trichloroethene | 500 | | | 8.8 | | | | | | |
| Toluene | 100,000 | | | 4.1 | | | | | | |
| PCBs (ug/kg) | | | | | | | | | | |
| Aroclor1248 | 1,550 | | | 120 | | | | | | |
| Metals (mg/kg) | | | | | | | | | | |
| Barium | 1,000 | | | 187 | 88 | 30 | 14 | 29 | 7.4 | 54 |
| Chromium | 100 | 117,321 | | 6,400 | 40 | 23 | 2800 | 2600 | 21 | 45 |
| Lead | 75.0 | 270 | | 87.8 | 27 | 34 | 38 | 29 | 33 | 30 |
| Nickel | 50.0 | 409 | | 393 | 13 | 12 | 230 | 140 | 6.7 | 29 |
| Fluoride | 400 | 3,123 | | 502 | | | | | | |
| Mercury | 0.500 | 2.09 | 17.0 | 2.88 | ND | ND | ND | ND | ND | ND |

 $\mbox{\bf Bold values}$ indicate the concentration exceeds the Type 1 RRS.

Data from Williams, 2005

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | B-7 | B-8 | B-9 | B-10 | B-11 | B-12 | B-13 | B-14 |
|---------------------|------------|-------------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Risk Re | duction Sta | ndards | 12-14 | 18-20 | 9-11 | 18-19.5 | 6-8 | 15-17 | 3-5 | 3-5 |
| | Type 1 | Type 2 | Type 3 | 4/24/1996 | 4/24/1996 | 4/25/1996 | 4/19/1996 | 4/20/1996 | 4/23/1996 | 4/22/1996 | 4/21/1996 |
| Volatile Organic Co | ompounds (| (ug/kg) | | | | | | | | | |
| Acetone | 400,000 | | | | | | | | | | |
| Trichloroethene | 500 | | | | | | | | | | |
| Toluene | 100,000 | | | | | | | | | | |
| PCBs (ug/kg) | | | | | | | | | | | |
| Aroclor1248 | 1,550 | | | | | | | | ND | ND | 45 |
| Metals (mg/kg) | | | | | | | | | | | |
| Barium | 1,000 | | | 43 | 8.8 | 1.1 | 63 | 27 | | | |
| Chromium | 100 | 117,321 | | 190 | 18 | 6.5 | 2.5 | 21 | | | |
| Lead | 75.0 | 270 | | 35 | 31 | 13 | 12 | ND | | | |
| Nickel | 50.0 | 409 | | 29 | 5.7 | 2 | 4.4 | 9.9 | | | |
| Fluoride | 400 | 3,123 | | | | | | | | | |
| Mercury | 0.500 | 2.09 | 17.0 | ND | ND | ND | ND | ND | | | |

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | B-15 | MW-9 | MW-11 | MW-12 | MW-13 | MW-14 | MW-15 |
|---------------------|------------|-------------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Risk Re | duction Sta | ndards | 6-8 | 6-8 | 9-11 | 0-2 | 0-2 | 6-8 | 33-35 |
| | Type 1 | Type 2 | Type 3 | 4/26/1996 | 4/27/1996 | 4/22/1996 | 4/24/1996 | 4/25/1996 | 4/20/1996 | 4/19/1996 |
| Volatile Organic Co | ompounds (| (ug/kg) | | | | | | | | |
| Acetone | 400,000 | | | | | | | | | |
| Trichloroethene | 500 | | | | | | | - | | - |
| Toluene | 100,000 | | | | | | | | | |
| PCBs (ug/kg) | | | | | | | | | | |
| Aroclor1248 | 1,550 | | | ND | ND | 120 | | | | |
| Metals (mg/kg) | | | | | | | | | | |
| Barium | 1,000 | | | | 68 | 100 | 55 | 82 | 48 | 49 |
| Chromium | 100 | 117,321 | | | 24 | 11 | 100 | 20 | 13 | 8.7 |
| Lead | 75.0 | 270 | | | 10 | ND | 19 | 28 | ND | 11 |
| Nickel | 50.0 | 409 | | | 26 | 19 | 99 | 16 | 13 | 30 |
| Fluoride | 400 | 3,123 | | | | | | | | |
| Mercury | 0.500 | 2.09 | 17.0 | | ND | ND | ND | ND | ND | ND |

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | | BGSB-1 | | | BGSB-2 | | | BGSB-3 | |
|---------------------|------------|-------------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Risk Re | duction Sta | ndards | 0-2 | 5-7 | 12-13 | 0-2 | 10-12 | 19-20 | 0-2 | 10-12 | 15-17 |
| | Type 1 | Type 2 | Type 3 | 4/1/2002 | 4/1/2002 | 4/1/2002 | 4/2/2002 | 4/3/2002 | 4/4/2002 | 4/3/2002 | 4/3/2002 | 4/3/2002 |
| Volatile Organic Co | ompounds (| (ug/kg) | | | | | | | | | | |
| Acetone | 400,000 | | - | | | | | | - | 240 | ND | ND |
| Trichloroethene | 500 | | - | | | | | | - | ND | ND | ND |
| Toluene | 100,000 | | | | | | | | | ND | ND | ND |
| PCBs (ug/kg) | | | | | | | | | | | | |
| Aroclor1248 | 1,550 | | | | | | | | | ND | ND | ND |
| Metals (mg/kg) | | | | | | | | | | | | |
| Barium | 1,000 | | | 8.31 | 43.9 | 100 | 55.5 | 108 | 79.8 | 139 | 49.3 | 36.7 |
| Chromium | 100 | 117,321 | | 32.1 | 23.8 | 38.9 | 30.4 | 3.69 | 2.95 | 13.9 | 181 | 23.4 |
| Lead | 75.0 | 270 | | 12.5 | 11.3 | 11.2 | 15.0 | 68.6 | 44.9 | 87.8 | 13.9 | 5.60 |
| Nickel | 50.0 | 409 | | ND | 11.8 | 18.2 | ND | 13.6 | ND | 10.4 | 31.1 | 16.5 |
| Fluoride | 400 | 3,123 | | 0.247 | ND | ND | 0.325 | ND | ND | ND | ND | ND |
| Mercury | 0.500 | 2.09 | 17.0 | ND |

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | BGSB-3A | | BGSB-4 | | | SB-5 | |
|--------------------|------------|-------------|--------|------------|----------|----------|----------|----------|----------|----------|
| | Risk Re | duction Sta | ndards | 0-2 | 0-2 | 5-7 | 10-12 | 0-2 | 8-10 | 18-20 |
| | Type 1 | Type 2 | Type 3 | 11/12/2003 | 4/2/2002 | 4/2/2002 | 4/2/2002 | 4/8/2002 | 4/8/2002 | 4/8/2002 |
| Volatile Organic C | ompounds (| (ug/kg) | | | | | | | | |
| Acetone | 400,000 | | 1 | 660 | - | | | ND | ND | ND |
| Trichloroethene | 500 | | - | ND | - | - | | ND | ND | ND |
| Toluene | 100,000 | | - | ND | - | - | | ND | ND | ND |
| PCBs (ug/kg) | | | | | | | | | | |
| Aroclor1248 | 1,550 | | | | | | | ND | ND | ND |
| Metals (mg/kg) | | | | | | | | | | |
| Barium | 1,000 | | | | 33.5 | 16.8 | 7.15 | 50.3 | 14.2 | 68.3 |
| Chromium | 100 | 117,321 | | | 122 | 15.2 | 16.2 | 38.4 | 24.8 | 42.2 |
| Lead | 75.0 | 270 | | | 12.2 | 12.5 | 7.86 | 9.71 | 19.0 | 21.2 |
| Nickel | 50.0 | 409 | - | | 13.7 | ND | ND | 14.7 | ND | 18.7 |
| Fluoride | 400 | 3,123 | - | | ND | ND | ND | ND | ND | ND |
| Mercury | 0.500 | 2.09 | 17.0 | | ND | ND | ND | ND | 0.342 | ND |

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | | SB-6 | | SB | 3-7 | SB | i-8 | SE | 3-9 |
|---------------------|------------|-------------|--------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| | Risk Re | duction Sta | ndards | 0-2 | 8-10 | 18-20 | 0-2 | 7-8 | 0-2 | 5-7 | 0-2 | 3-5 |
| | Type 1 | Type 2 | Type 3 | 4/9/2002 | 4/9/2002 | 4/9/2002 | 4/2/2002 | 4/2/2002 | 4/2/2002 | 4/2/2002 | 4/10/2002 | 4/10/2002 |
| Volatile Organic Co | ompounds (| (ug/kg) | | | | | | | | | | |
| Acetone | 400,000 | | - | ND | ND | ND | 97 | ND | 180 | ND | 170 | 280 |
| Trichloroethene | 500 | | - | ND | ND | ND | ND | ND | ND | 8.8 | ND | ND |
| Toluene | 100,000 | | - | ND | ND |
| PCBs (ug/kg) | | | | | | | | | | | | |
| Aroclor1248 | 1,550 | | | ND | ND |
| Metals (mg/kg) | | | | | | | | | | | | |
| Barium | 1,000 | | | 47.6 | 92.2 | 117 | 80.7 | 67.7 | 97.6 | 102 | 69.5 | 111 |
| Chromium | 100 | 117,321 | | 35.0 | 24.9 | 28.9 | 30.4 | 33.6 | 21.7 | 31.1 | 27.6 | 70.3 |
| Lead | 75.0 | 270 | | 14.4 | 9.40 | 8.02 | 11.8 | 11.2 | 9.53 | 8.05 | 12.0 | 28.8 |
| Nickel | 50.0 | 409 | | 6.35 | 24.4 | 28.4 | 14.6 | 53.7 | 22.8 | 57.4 | 102 | 173 |
| Fluoride | 400 | 3,123 | | ND | ND | 0.512 | ND | 27.2 | 0.357 | 6.36 | ND | 0.607 |
| Mercury | 0.500 | 2.09 | 17.0 | ND | ND |

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | SB- | -10 | SB | -11 | | SB-12 | | SB-12A |
|---------------------|------------|-------------|--------|----------|----------|----------|----------|----------|----------|----------|------------|
| | Risk Re | duction Sta | ndards | 0-2 | 7-8 | 0-2 | 10-12 | 0-2 | 8-10 | 18-20 | 0-2 |
| | Type 1 | Type 2 | Type 3 | 4/2/2002 | 4/2/2002 | 4/3/2002 | 4/3/2002 | 4/3/2002 | 4/9/2002 | 4/9/2002 | 11/11/2003 |
| Volatile Organic Co | ompounds (| (ug/kg) | | | | | | | | | |
| Acetone | 400,000 | | | ND | ND | ND | ND | 120 | ND | ND | ND |
| Trichloroethene | 500 | | | ND |
| Toluene | 100,000 | | | ND |
| PCBs (ug/kg) | | | | | | | | | | | |
| Aroclor1248 | 1,550 | | | ND | |
| Metals (mg/kg) | | | | | | | | | | | |
| Barium | 1,000 | | | 115 | 187 | 24.0 | 75.9 | 31.1 | 9.08 | 41.0 | |
| Chromium | 100 | 117,321 | | 29.4 | 25.8 | 72.4 | ND | 25.9 | 16.6 | 265 | |
| Lead | 75.0 | 270 | | 12.6 | 6.67 | 11.9 | 56.2 | 9.49 | 7.59 | 12.4 | |
| Nickel | 50.0 | 409 | | 17.8 | 22.2 | ND | ND | 13.9 | ND | 28.9 | |
| Fluoride | 400 | 3,123 | | ND | |
| Mercury | 0.500 | 2.09 | 17.0 | ND | 2.21 | ND | 1.50 | ND | ND | ND | |

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | | SB-13 | | | SB-14 | | | SB-15 | |
|---------------------|------------|-------------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Risk Re | duction Sta | ndards | 0-2 | 10-12 | 20-22 | 0-2 | 10-12 | 20-21 | 0-2 | 5-7 | 15-17 |
| | Type 1 | Type 2 | Type 3 | 4/2/2002 | 4/2/2002 | 4/2/2002 | 4/3/2002 | 4/3/2002 | 4/3/2002 | 4/3/2002 | 4/3/2002 | 4/3/2002 |
| Volatile Organic Co | ompounds (| (ug/kg) | | | | | | | | | | |
| Acetone | 400,000 | | | 140 | ND |
| Trichloroethene | 500 | | | ND |
| Toluene | 100,000 | | | ND |
| PCBs (ug/kg) | | | | | | | | | | | | |
| Aroclor1248 | 1,550 | | | ND |
| Metals (mg/kg) | | | | | | | | | | | | |
| Barium | 1,000 | | | 74.1 | 108 | 112 | 44.9 | 45.6 | 78.1 | 41.4 | 21.8 | 27.8 |
| Chromium | 100 | 117,321 | | 27.6 | 31.5 | 29.8 | 81.3 | 241 | 28.4 | 86.4 | 14.2 | 31.5 |
| Lead | 75.0 | 270 | | 16.3 | 9.09 | 10.5 | 13.5 | 14.8 | 10.4 | 12.8 | 15.6 | 12.0 |
| Nickel | 50.0 | 409 | | 33.0 | 26.3 | 29.5 | 34.9 | 63.7 | 32.0 | 67.6 | ND | 54.2 |
| Fluoride | 400 | 3,123 | | 6.13 | ND | 0.293 | 11.6 | 45.8 | 8.89 | 10.5 | 0.264 | 7.61 |
| Mercury | 0.500 | 2.09 | 17.0 | 2.88 | 0.840 | 1.34 | ND | ND | ND | ND | ND | 0.222 |

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | | SB-16 | | | SB | -17 | | SB-18 |
|---------------------|------------|-------------|--------|----------|----------|----------|-----------|-----------|-----------|-----------|------------|
| | Risk Re | duction Sta | ndards | 0-2 | 5-7 | 12-14 | 0-2 | 3-5 | 13-15 | 18-20 | 18-20 |
| | Type 1 | Type 2 | Type 3 | 4/3/2002 | 4/3/2002 | 4/3/2002 | 10/9/2002 | 10/9/2002 | 10/9/2002 | 10/9/2002 | 11/11/2003 |
| Volatile Organic Co | ompounds (| (ug/kg) | | | | | | | | | |
| Acetone | 400,000 | | | ND | ND | ND | | | | | |
| Trichloroethene | 500 | | | ND | ND | ND | | | | | |
| Toluene | 100,000 | | | ND | ND | ND | | | | | |
| PCBs (ug/kg) | | | | | | | | | | | |
| Aroclor1248 | 1,550 | | | ND | ND | ND | | | | | |
| Metals (mg/kg) | | | | | | | | | | | |
| Barium | 1,000 | | | 46.1 | 72.9 | 84.2 | 19.9 | 29.6 | 17.9 | 65.1 | |
| Chromium | 100 | 117,321 | | 6400 | 4330 | 335 | 30.2 | 24.6 | 44.5 | 22.1 | 16.8 |
| Lead | 75.0 | 270 | | 13.6 | 17.7 | 9.80 | 19.20 | 8.67 | 11.6 | 8.72 | |
| Nickel | 50.0 | 409 | | 393 | 109 | 321 | ND | ND | ND | 26.3 | |
| Fluoride | 400 | 3,123 | | 11.9 | 502 | 22.0 | ND | ND | ND | ND | |
| Mercury | 0.500 | 2.09 | 17.0 | ND | ND | ND | 0.298 | ND | 0.165 | ND | |

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | | SB | -19 | | | SB-20 | |
|---------------------|------------|-------------|--------|------------|------------|------------|------------|------------|------------|------------|
| | Risk Re | duction Sta | ndards | 0-2 | 8-10 | 18-20 | 38-40 | 0-1.5 | 8.5-10 | 13.5-15 |
| | Type 1 | Type 2 | Type 3 | 11/11/2003 | 11/11/2003 | 11/11/2003 | 11/11/2003 | 11/10/2003 | 11/10/2003 | 11/10/2003 |
| Volatile Organic Co | ompounds (| (ug/kg) | | | | | | | | |
| Acetone | 400,000 | | | 210 | ND | ND | ND | ND | ND | ND |
| Trichloroethene | 500 | | | ND |
| Toluene | 100,000 | | | ND |
| PCBs (ug/kg) | | | | | | | | | | |
| Aroclor1248 | 1,550 | | | ND |
| Metals (mg/kg) | | | | | | | | | | |
| Barium | 1,000 | | | 20.5 | 19.4 | 64.7 | 114 | 38.4 | 41.6 | 65.1 |
| Chromium | 100 | 117,321 | | 36.9 | 11.8 | 26.3 | 26.6 | 32.1 | 18.3 | 22.2 |
| Lead | 75.0 | 270 | | 12.6 | 7.55 | 12.9 | 10.2 | 13.6 | 10.1 | 10.5 |
| Nickel | 50.0 | 409 | | ND | 7.08 | 23.2 | 21.1 | 15.3 | 14.4 | 18.8 |
| Fluoride | 400 | 3,123 | | ND | ND | ND | ND | 0.264 | 0.546 | ND |
| Mercury | 0.500 | 2.09 | 17.0 | ND |

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | | SB | -21 | | SB | -22 | SB-23 |
|---------------------|------------|-------------|--------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| | Risk Re | duction Sta | ndards | 0-2 | 3.5-5.5 | 8.5-10.5 | 13.5-15.5 | 0-2 | 3.5-5.5 | 0-2 |
| | Type 1 | Type 2 | Type 3 | 8/10/2004 | 8/10/2004 | 8/10/2004 | 8/10/2004 | 8/10/2004 | 8/10/2004 | 2/4/2005 |
| Volatile Organic Co | ompounds (| (ug/kg) | | | | | | | | |
| Acetone | 400,000 | | 1 | ND | ND | ND | ND | ND | ND | ND |
| Trichloroethene | 500 | | - | ND | ND | ND | ND | ND | ND | ND |
| Toluene | 100,000 | | - | ND | ND | ND | ND | ND | ND | ND |
| PCBs (ug/kg) | | | | | | | | | | |
| Aroclor1248 | 1,550 | | | ND | ND | ND | ND | ND | ND | ND |
| Metals (mg/kg) | | | | | | | | | | |
| Barium | 1,000 | | | 42 | 69.5 | 83.5 | 70.9 | 55 | 65.9 | 17.3 |
| Chromium | 100 | 117,321 | | 17.2 | 33.1 | 24.7 | 15.5 | 21.9 | 35 | 78.2 |
| Lead | 75.0 | 270 | | 10.8 | 5.81 | 8.54 | 11 | 9.65 | 11.8 | 11.7 |
| Nickel | 50.0 | 409 | - | 33.7 | 26 | 15.4 | 33.7 | 10.6 | 14.8 | 8.93 |
| Fluoride | 400 | 3,123 | - | 8.4 | 2.5 | 2.6 | ND | ND | ND | ND |
| Mercury | 0.500 | 2.09 | 17.0 | ND | ND | ND | ND | ND | ND | ND |

TABLE 1
SUMMARY OF SOIL ANALYSES

| | | | | SB-24 | SB-25 | SB-26 |
|---------------------|------------|-------------|--------|----------|----------|----------|
| | Risk Re | duction Sta | ndards | 0-2 | 0-2 | 0-2 |
| | Type 1 | Type 2 | Type 3 | 2/4/2005 | 2/4/2005 | 2/4/2005 |
| Volatile Organic Co | ompounds (| (ug/kg) | | | | |
| Acetone | 400,000 | - | 1 | ND | ND | ND |
| Trichloroethene | 500 | | - | ND | ND | ND |
| Toluene | 100,000 | | | ND | 4.1 | ND |
| PCBs (ug/kg) | | | | | | |
| Aroclor1248 | 1,550 | | | ND | ND | ND |
| Metals (mg/kg) | | | | | | |
| Barium | 1,000 | | | 54.2 | 6.29 | 105 |
| Chromium | 100 | 117,321 | | 29.3 | 7.48 | 24.4 |
| Lead | 75.0 | 270 | | 8.19 | ND | 9.00 |
| Nickel | 50.0 | 409 | | 125 | 22.4 | 20.3 |
| Fluoride | 400 | 3,123 | | 19 | 4.3 | ND |
| Mercury | 0.500 | 2.09 | 17.0 | ND | ND | ND |

TABLE 2 SUMMARY OF GROUNDWATER ANALYSES Milligrams per Liter (mg/L)

| | | RRS | Nickel (total) | Fluoride | Trichloroethene | cis-1,2-DCE | trans-1,2-DCE | 1,1-DCE | Vinyl Chloride | Nitrate | Nitrit |
|------------------|-----------------------------------|----------|---------------------|------------|------------------|------------------|------------------|------------------|------------------|------------|--------|
| | | Type 1/3 | 0.10 | 4.0 | 0.005 | - | | | | | |
| | 1 <u> </u> | Type 2 | 0.31 | 0.626 | 0.005 | | | - | | | |
| Location | Date | Type 4 | 2.0 | 4.09 | 0.005 | | | | | - | - |
| laximum 2016 Coi | centration (Sitewide) 03/09/06 | | 4.84 | 182 | 0.00618 | <0.001 | <0.001 | <0.001 | <0.001 | | |
| | 06/07/06 | | 3.04 3.28 | 110 92 | <0.005 <0.005 | | | | | 49 57 | <0.25 |
| | 09/08/06 | | 3.49 | 130 | <0.005 | | | | | 64 | <0.25 |
| | 11/29/ | | 3.95 | 110 | < 0.005 | | | | | 67 | < 0.25 |
| | 5/21/2 | | 3.59 | 120 | <0.005 | | | - | | 65 | |
| | 8/14/2 | | 3.65 | 130 | <0.005 | | | | | 65 | |
| | 11/1/2 | | 4.11 | 150 | <0.005 | | | | | 81 | |
| | 1/30/2 | | 4.22 | 84 100 | <0.005 | | | - | | 71 | |
| | 5/12/2008 8/6/2008 | | 2.96 2.93 | 110 | <0.005 <0.005 | | | | | 57 54 | |
| MW-1 | 11/5/2008 | | 3.19 | 130 | <0.005 | | | | | 69 | - |
| | 2/16/2 | | 2.80 | 81 | <0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 | 58 | |
| | 5/18/2 | | 2.28 | 51 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 | 49 | |
| | 8/3/2009 | | 2.15 | 59 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | <0.002 | 42 | |
| | 11/4/2009 | | 1.55 | 61 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 33 | |
| | 11/4/2009 | | 1.55 | 61 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 33 | |
| | 2/1/2010 | | 1.51 | 23 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 14 | |
| | 5/18/2010 | | 1.17 1.34 | 56 67 | <0.005 <0.005 | <0.005 <0.005 | <0.005 <0.005 | <0.005 <0.005 | <0.002 <0.002 | 25 29 | |
| | 8/25/2010 7/20/2016 | | 0.450 | 32.3 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | | |
| | 03/08/2006 | | 1.42 | 40 | 0.015 | | _ | | | 8.4 | <0.25 |
| | 06/07/ | | 1.44 | 51 | 0.015 | | | | | 8.0 | <0.25 |
| | 09/07/ | | 1.01 | 63 | 0.021 | | | - | | 9.7 | <0.2 |
| | 11/29/2006 | | 1.28 | 39 | 0.030 | | | | | 11 | <0.2 |
| | 5/21/2 | | 1.06 | 28 | 0.025 | | | | | 7.8 | - |
| | 8/14/2 | | 1.00 | 43 | 0.023 | | | | | 7.9 | |
| | 11/1/2007 | | 1.05 | 58 | 0.018 | | | | | 9.3 | |
| | 1/30/2 | | 1.05 0.783 | 27 29 | 0.034 0.020 | | | | | 8.0 | |
| | 5/12/2 8/6/2 | | 0.785 | 35 | 0.020 | | | | | 3.9 5.2 | - |
| MW-2 | 11/05 | | 0.783 | 46 | 0.033 | | | | | 6.3 | |
| | 02/16 | | 0.850 | 39 | 0.028 | <0.005 | < 0.005 | <0.005 | <0.002 | 6.2 | |
| | 05/18 | | 0.798 | 20 | 0.016 | < 0.005 | < 0.005 | < 0.005 | < 0.002 | 3.6 | |
| | 8/3/2 | 009 | 0.839 | 30 | 0.017 | < 0.005 | < 0.005 | <0.005 | < 0.002 | 4.3 | |
| | 11/4/2009 | | 0.816 | 37 | 0.019 | < 0.005 | < 0.005 | < 0.005 | <0.002 | 2.9 | |
| | 2/1/2 | | 0.887 | 36 | 0.019 | <0.005 | <0.005 | < 0.005 | <0.002 | 2.6 | |
| | 5/18/2 | | 0.819 | 30 | 0.012 | <0.005 | <0.005 | <0.005 | <0.002 | 3.9 | |
| | 5/18/2 | | 0.826 | 32 | 0.012 | <0.005 | <0.005 | <0.005 | <0.002 | 3.9 | |
| | 8/25/2 7/20/2 | | 0.987 0.698 | 37 22.4 | 0.014 0.00618 | <0.005 <0.001 | <0.005 <0.001 | <0.005 <0.001 | <0.002 <0.001 | 4.9 NA | NA |
| | 03/09/ | | 1.42 | 32 | <0.005 | | | | <0.001 | 23 | <0.2 |
| | 06/06/ | | 1.50 | 31 | <0.005 | | | | | 25 | <0.2 |
| | 09/06/2 | | 2.21 | 43 | < 0.005 | | | | | 37 | <0.2 |
| | 11/29/ | | 2.38 | 38 | < 0.005 | | | | | 36 | <0.2 |
| | 5/22/2 | 2007 | 1.82 | 38 | < 0.005 | | | | | 27 | |
| | 8/14/2 | | 1.48 | 41 | | | | | | 21 | |
| | 11/1/2 | | 1.68 | 38 | | | | | | 23 | |
| | 1/30/2 | | 1.90 | 19 | | | | | | 19 | |
| MMA/ 2 | 5/12/2 | | 0.95 | 20 | | | | | | 14 | |
| MW-3 | 8/6/2 11/5/2 | | 1.69 1.73 | 47 49 | | | | | | 26 25 | |
| | 2/16/2 | | 1.60 | 41 | | | | | | 22 | |
| | 5/18/2 | | 0.47 | 5.6 | | | | | | 7.3 | |
| | 8/3/2 | | 1.26 | 16 | | | | | | 18 | |
| | 11/4/2 | | 0.47 | 13 | | | | | | 6.7 | |
| | 2/1/2 | | 0.45 | 6.1 | | | | | | 7.5 | |
| | 5/18/2 | | 0.39 | 8.8 | | | | | | 9.9 | |
| | 8/25/2 | | 0.96 | 21 | | | | | | 31 | |
| | 7/20/2 03/10/2 | | 0.869 | 24.2 | | | | | | 110 | -0.0 |
| MW-4 | 06/06/ | | 9.19 6.69 | 230 180 | <0.005 <0.005 | | | | | 110 90 | <0.2 |
| | 09/06/ | | 8.26 | 190 | <0.005 | | | | | 110 | <0.2 |
| | 11/29/ | | 9.14 | 180 | <0.005 | | | | | 110 | <0.2 |
| | 5/21/2 | | NS | NS | NS | | | - | | NS | |
| | 8/14/2 | 2007 | NS | NS | NS | | | | | NS | |
| | 11/1/2 | | NS | NS | NS | | | - | | NS | |
| | 1/30/2 | | NS | NS | NS | | | | | NS | |
| | 5/12/2 | | 5.27 | 150 | <0.005 | | | - | | 76 | |
| | 8/6/2 11/5/2 | | 4.36 NS | 180 NS | <0.005 NS | | | | | 70 NS | |
| | 2/16/2 | | 4.50 | 190 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 70 | |
| | 5/18/2 | | 5.26 | 100 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 85 | |
| | 8/3/2 | | 3.37 | 120 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 50 | |
| | 11/4/2 | | 3.53 | 160 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 66 | |
| | 2/1/2 | | 3.05 | 87 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 44 | |
| | 5/18/2 | | 2.31 | 107 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 | 40 | |
| | 8/25/2010 | | 4.28 | 200 | <0.005 | < 0.005 | <0.005 | <0.005 | <0.002 | 65 | |
| | 7/20/2016 | | 4.84 | 182 | | | | | | | |
| | 02/16 | | 1.90 | 140 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 31 | |
| | 05/18 | | 2.07 | 59 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 32 | |
| | 8/3/2 11/4/2 | | 2.18 2.15 | 98 120 | <0.005 <0.005 | <0.005 <0.005 | <0.005 <0.005 | <0.005 <0.005 | <0.002 <0.002 | 29 29 | |
| MW-4R | | | 2.15 | 120 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 37 | |
| | 2/1/2010 5/18/2010 | | 1.98 | 90 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 23 | |
| | | | 2.41 | 180 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 31 | |
| | 8/25/2010 7/20/2016 | | | | | | | | | | |

TABLE 2 SUMMARY OF GROUNDWATER ANALYSES Milligrams per Liter (mg/L)

| | | RRS | Nickel (total) | Fluoride | Trichloroethene | cis-1,2-DCE | trans-1,2-DCE | 1,1-DCE | Vinyl Chloride | Nitrate | Nitrite |
|------------|--------------------------|--------------------|------------------------|---------------|------------------|------------------|------------------|------------------|------------------|----------------|----------------|
| | | Type 1/3 Type 2 | 0.10 0.31 | 4.0 0.626 | 0.005 0.005 | - | | | | | |
| Location | Date | Type 4 | 2.0 | 4.09 | 0.005 | - | | - | | - | |
| | | 9/2006 | 4.15 | 110 | <0.005 | 1 | | 1 | | 42 | <0.25 |
| | | 6/2006 | 4.22 | 110 94 | <0.005 | | | | | 44 | <0.25 |
| | 09/06/2006 11/29/2006 | | 3.84 4.68 | 100 | <0.005 <0.005 | | | | | 45 53 | <0.25 <0.25 |
| | 5/21/2007 | | 4.15 | 97 | <0.005 | | | | | 47 | |
| | 8/14/2007 | | 3.17 | 87 | | | | | | 34 | |
| | 11/1/2007 1/30/2008 | | 3.31 | 82 | | | | | | 37 | |
| | 5/12/2008 | | 3.20 2.71 | 62 60 | | | | | | 29 31 | |
| MW-5 | 8/6/2008 | | 3.24 | 82 | | | | | | 40 | |
| | | /2008 | 2.88 | 93 | | | | | | 32 | |
| | | /2009 | 4.70 | 130 | | | | | | 53 | |
| | | /2009 2009 | 5.05 3.97 | 66 77 | | - | | | | 53 44 | |
| | | /2009 | 5.00 | 100 | | | | | | 61 | |
| | | 2010 | 5.93 | 77 | | | | | | 46 | |
| | | 18/10 | 4.48 | 82 70 | | - | | - | | 37 | |
| | 08/25/10 07/20/16 | | 3.76 2.18 | 93.2 | | | | | | 40 | |
| MW-6 | 07/20/16 | | 0.246 | 10.5 | | | | | | | |
| MW-11 | | 19/16 | 0.00131 (J) | 0.0253 (J) | | | | | | | |
| | | 3/2006 | 1.27 | 56 | <0.005 | | | - | | 27 | <0.25 |
| | | 7/2006 7/2006 | 1.24 1.27 | 53 61 | <0.005 <0.005 | | | | | 26 32 | <0.25 |
| | | 0/2006 | 1.56 | 44 | <0.005 | | | - | | 31 | <0.25 |
| | 5/22 | /2007 | 1.37 | 60 | <0.005 | | | - | | 30 | |
| | | /2007 | 1.26 | 54 | <0.005 | | | - | | 27 | |
| | | /2007 /2008 | 1.43 1.48 | 42 24 | <0.005 <0.005 | | | | | 35 30 | |
| | 5/13/2008 | | 1.22 | 38 | <0.005 | - | | - | | 25 | |
| MW-12 | | 2008 | 1.26 | 50 | <0.005 | - | | | | 28 | |
| | | /2008 /2009 | 1.38 1.41 | 61 65 | <0.005 <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 28 32 | |
| | | /2009 | 1.20 | 20 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 23 | |
| | | 2009 | 1.13 | 33 | <0.005 | < 0.005 | <0.005 | < 0.005 | <0.002 | 24 | |
| | | /2009 2010 | 1.04 0.929 | 45 30 | <0.005 <0.005 | <0.005 <0.005 | <0.005 <0.005 | <0.005 <0.005 | <0.002 <0.002 | 23 13 | |
| | 2/2/ | 2010 | 0.950 | 40 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 13 | |
| | | /2010 | 0.700 | 29 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 12 | |
| | | /2010 /2016 | 0.833 0.360 | 76 34.1 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | 18 | |
| | 03/09 | 9/2006 | <0.0200 | 0.65 | < 0.005 | 1 | | 1 | | < 0.25 | < 0.25 |
| | | 7/2006 | <0.0200 | 0.45 | <0.005 | | | | | <0.25 | <0.25 |
| | | 7/2006 0/2006 | <0.0200 <0.0200 | 0.51 0.36 | <0.005 <0.005 | | | | | <0.25 <0.25 | <0.25 <0.25 |
| MW-12D | | /2007 | <0.0200 | 2.3 | <0.005 | | | | | <0.25 | |
| | | /2008 | <0.0200 | <0.20 | | - | | - | | <0.25 | |
| | | /2009 | <0.0200 | 0.29 | | | | | | <0.25 | |
| | | 2010 /2016 | <0.0200 0.00121 (J) | 0.25 0.372 | | | | | | <0.25 | |
| | | 3/2006 | <0.0200 | <0.20 | <0.005 | | | | | <0.25 | <0.25 |
| | | 3/2006 | <0.0200 | <0.20 | <0.005 | - | | - | | <0.25 | <0.25 |
| | | 7/2006 | <0.0200 | <0.20 | <0.005 | | | | | <0.25 | <0.25 |
| | |)/2006 /2007 | <0.0200 <0.0200 | 1.4 0.25 | <0.005 <0.005 | - | | | | <0.25 <0.25 | <0.25 |
| | | /2007 | <0.0200 | <0.20 | <0.005 | | | - | | <0.25 | |
| MW-13 | 11/1 | /2007 | <0.0200 | 0.53 | <0.005 | | | | | <0.25 | |
| | | /2008 | <0.0200 | <0.20 | <0.005 | | | - | | <0.25 | |
| | | /2008 2008 | <0.0200 <0.0200 | <0.20 0.36 | <0.005 <0.005 | | | | | <0.25 <0.25 | |
| | | /2008 | <0.0200 | <0.20 | <0.005 | | | - | | <0.25 | |
| | 2/17 | /2009 | <0.0200 | 0.21 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | <0.25 | |
| | | 2010 | <0.0200 | 0.90 | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | <0.25 | |
| | | /2016 7/2006 | 0.00572 <0.0200 | 0.154 0.44 | <0.005 | | | | | 1.5 | <0.25 |
| MW-18 | | 6/2006 | 0.089 | 3.2 | <0.005 | | | - | | 1.6 | <0.25 |
| | 09/06 | 6/2006 | 0.145 | 6.8 | <0.005 | - | | | | 4.6 | < 0.25 |
| | | 0/2006 /2007 | 0.165 | 6.7 | <0.005 | | | | | 3.2 | <0.25 |
| | | /2007 /2008 | 0.146 0.303 | 7.5 7.4 | <0.005 | - | | - | | 1.5 4.2 | |
| | | /2009 | 0.110 | 3.2 | | - | | - | | <2.5 | |
| | 2/1/ | 2010 | <0.0200 | 0.46 | | | | | | 0.61 | |
| | | /2016 | 0.0461 | 1.71 | -0.00E | - | | - | | 4 F | 25 |
| | | 3/2006 3/2006 | 0.322 0.651 | 12 20 | <0.005 <0.005 | - | | - | | 4.5 14 | <0.25 <0.25 |
| MW-20 | | 7/2006 | NS NS | NS NS | NS NS | | | - | | NS | NS |
| | 11/30 | 0/2006 | 0.241 | 19 | <0.005 | | | | | 9.9 | <0.25 |
| | | /2007 | NS NC | NS NC | NS NC | | | - | | NS NC | |
| | 8/14/2007 11/1/2007 | | NS NS | NS NS | NS NS | - | | | | NS NS | |
| | 1/31/2008 | | 0.936 | 24 | | | | - | | 16 | |
| | 5/12/2008 | | 0.428 | 10 | | - | | - | | 6.2 | |
| | 8/6/2008 | | NS 0.004 | NS 47 | | - | | - | | NS 40 | |
| | 11/5/2008 2/17/2009 | | 0.884 0.670 | 47 28 | | - | | | | 19 14 | |
| | | /2009 | 0.510 | 11 | | - | | - | | 8.8 | |
| | 8/3/ | 2009 | 0.763 | 28 | | - | | - | | 19 | |
| | | /2009 | 0.441 | 14 8.5 | | | | | | 7.1 | |
| | | 2010 19/10 | 0.279 0.307 | 8.5 9.0 | | - | | - | | 2.9 5.4 | |
| | 08/2 | 25/10 | 0.484 | 21 | | - | | - | | 9.8 | |
| MW-23 | | 19/16 | 0.00160 (J) | 0.0173 (J) | | | | - | | | |
| MW-23 Dup. | 07/ | 19/16 | 0.00173 (J) | 0.0175 (J) | | | | | | | |

TABLE 2 SUMMARY OF GROUNDWATER ANALYSES Milligrams per Liter (mg/L)

| | | RRS | Nickel (total) | Fluoride | Trichloroethene | cis-1,2-DCE | trans-1,2-DCE | 1,1-DCE | Vinyl Chloride | Nitrate | Nitrite |
|----------|------------|----------|----------------|----------|-----------------|-------------|---------------|---------|----------------|---------|---------|
| | | Type 1/3 | 0.10 | 4.0 | 0.005 | | | - | | | - |
| | | Type 2 | 0.31 | 0.626 | 0.005 | | | | | | |
| Location | Date | Type 4 | 2.0 | 4.09 | 0.005 | | | | | - | |
| | 03/09 | 9/2006 | 0.085 | 3.5 | < 0.005 | | | | | 1.3 | < 0.25 |
| | 06/07/2006 | | 0.074 | 0.48 | < 0.005 | | | | | 1.4 | < 0.25 |
| | 09/08 | 3/2006 | < 0.0200 | 3.9 | < 0.005 | | | | | 0.28 | < 0.25 |
| MW-24 | 12/01/2006 | | 0.045 | 0.57 | < 0.005 | | | | | < 0.25 | < 0.25 |
| 10100-24 | 5/22/2007 | | 0.079 | 0.41 | < 0.005 | | | | | 0.61 | |
| | 1/30/2008 | | 0.095 | 0.32 | | | | | | 0.66 | - |
| | 2/16/2009 | | 0.091 | 5.6 | | | | | | <2.5 | - |
| | 2/1/2010 | | 0.065 | 0.36 | | | | - | | 2.3 | - |
| | 03/08 | 3/2006 | 0.302 | 5.8 | < 0.005 | | | - | | 5.6 | < 0.25 |
| | 06/07/2006 | | 0.328 | 6.4 | < 0.005 | | | | | 7.3 | < 0.25 |
| | 09/07/2006 | | 0.272 | 7.3 | < 0.005 | | | - | | 9.6 | < 0.25 |
| | 11/30/2006 | | 0.399 | 5.0 | < 0.005 | | | - | | 8.8 | < 0.25 |
| | 5/22/2007 | | 0.318 | 6.3 | < 0.005 | | | - | | 7.3 | |
| | 8/14/2007 | | 0.353 | 9.9 | | | | - | | 8.0 | |
| | 11/1/2007 | | 0.408 | 7.6 | | | | - | | 8.9 | |
| | 1/31/2008 | | 0.571 | 6.6 | | | | - | | 12 | |
| MW-25 | 5/12/2008 | | 0.221 | 3.7 | | | | - | | 3.1 | |
| WW-25 | 8/6/2008 | | 0.304 | 6.4 | | | | - | | 6.9 | |
| | 11/5/2008 | | 0.371 | 8.2 | | | | - | | 9.5 | |
| | 2/17/2009 | | 0.308 | 9.2 | | | | - | | 7.1 | |
| | 5/18/2009 | | 0.267 | 4.5 | | | | | | 5.0 | |
| | 8/3/2009 | | 0.375 | 7.1 | | | | | | 9.9 | |
| | 11/4/2009 | | 0.247 | 5.0 | | | | | | 4.5 | |
| | 2/2/2010 | | 0.199 | 4.2 | | | | | | 2.5 | |
| | 5/19/2010 | | 0.190 | 5.4 | | | | | | 3.1 | |
| | 8/25/2010 | | 0.260 | 7.6 | | | | | | 5.3 | |
| | 03/08/2006 | | 0.110 | 0.95 | < 0.005 | | | | | 3.2 | < 0.25 |
| | | | 0.165 | 1.2 | < 0.005 | | | | | 4.1 | < 0.25 |
| | 09/07/2006 | | <0.0200 | 1.7 | < 0.005 | | | - | | < 0.25 | < 0.25 |
| | | 0/2006 | 0.085 | 1.4 | < 0.005 | | | - | | 1.6 | < 0.25 |
| | 5/22/2007 | | 0.116 | 0.73 | < 0.005 | | | - | | 3.2 | |
| | | /2007 | 0.092 | 0.57 | | | | - | | 1.2 | |
| | 11/1/2007 | | 0.106 | 1.1 | | | | - | | 1.6 | |
| | | /2008 | 0.233 | 0.81 | | | | | | 8.2 | |
| MW-26 | 5/12/2008 | | 0.087 | 1.3 | | | | - | | 0.94 | |
| .7111 20 | 8/6/2008 | | 0.097 | 0.70 | | | | - | | 0.57 | |
| | 11/5/2008 | | 0.106 | 0.82 | | | | | | 0.88 | |
| | 2/17/2009 | | 0.094 | 0.78 | | | | | | 1.7 | |
| | | /2009 | 0.092 | 1.6 | | | | | | 1.7 | |
| | | 2009 | 0.088 | 0.83 | | | | | | 0.57 | |
| | 11/4/2009 | | 0.090 | 1.4 | | | | | | <0.25 | |
| | | 2010 | 0.052 | 0.49 | | | | | | 0.40 | |
| | | /2010 | 0.101 | 0.71 | | | | | | 0.51 | |
| | 8/25/2010 | | 0.097 | 1.2 | | | | | | 0.27 | |

All results in milligrams per liter (mg/L).
RRS - Risk-Reduction Standards
Bold values indicate concentration exceeds applicable RRS.
DCE - Dichioroethene
NS - Not Sampled due to well being dry
Data from multiple sources, including Peachtree, 2005 and ECS, 2013



ATTACHMENT A

LEGAL DESCRIPTION

EXHIBIT "A"

FIRST: All that tract or parcel of land lying and being in the City of Carrollton in Land Lots 130, 131, 158 and 159 of the 10th District of Carroll County, Georgia, and being more particularly described as follows, all as per plat by Harrison Engineering Company, dated May 27, 1961, a copy of which is recorded in Plat Book 5, page 27, which plat and the record thereof are by reference incorporated herein.

BEGINNING at a point in Land Lot 131 on the northwestern side of the right-of-way of the Central of Georgia Railroad, which point of beginning is at a stake 1467.3 feet northerly and northeasterly from the center line of Alabama Street in the City of Carrollton, Georgia, as measured along the northwestern side of said right-of-way of said railroad and following the curvature thereof; and running thence north 73 degrees 30 minutes west a distance of 427 feet to a stake; thence north 2 degrees 0 minutes west a distance of 1085 feet to a point in land Lot 158 in the center of the channel of the Little Tallapoosa River; thence along the center of said channel in an easterly and northeasterly direction to a point where said channel intersects the southwestern side of the right-of-way of the Central of Georgia Railroad, said point being further determined as being a distance of 575 feet from the preceding point as measured in a straight line in the direction of north 61 degrees 40 minutes east; thence in a southeasterly, southerly and southwesterly direction along the southwestern, western and northwestern side of the right-of-way of the Central of Georgia Railroad in land Lots 158, 159, 130 and 131 and following the curvature of said right-of-way a distance of 1540 feet to the point of beginning; said tract containing 15.6 acres, more or less.

SUBJECT to an easement granted by Trent Tube Company to Georgia Power Company for an electric transmission line, dated January 29, 1962, and recorded in the Clerk's Office, Superior Court, County of Carroll and State of Georgia on February 1,1962 in Deed Book 135, page 511.

SECOND. All that tract or parcel of land lying and being in the City of Carrollton, Georgia, in Land Lots 131 and 158 of the 10th District of said County containing 12.8 acres and being the West most tract identified by "12.8 Acres" on a plat prepared by Harrison Engineering Company dated August 2, 1961, recorded in Plat Book 5, page 32 Carroll County Public Records, which plat and the record thereof are by reference incorporated herein. Said property is more particularly described as beginning at a point which is Northeasterly along the west right of way line of the Central of Georgia Railway 1,467.3 feet from the intersection of said right of way with the center line of Alabama Street and thence north 73 degrees 30 minutes west 427 feet. Said beginning point is further described as being the Southwest corner of that property shown on a plat prepared by Harrison Engineering on May 27, 1961, and recorded in Plat Book 5, page 27, Carroll County Public Records, which plat and

the record thereof are by reference incorporated herein. From said point of beginning as thus established thence South 88 degrees West 511.5 feet; thence North two degrees 30 minutes West 1,071 feet to the center of the channel of the Little Tallapoosa River; thence along the center of the said channel in an easterly direction to a point measured in a straight line North 87 degrees east 523 feet; thence South two degrees east 1,085 feet to the point of-beginning. Said property is bound on the North by the Little Tallapoosa River, on the east by property of Trent Tube Company, on the south by O. L. Hammond and on the west by property of W. T. Green and Carl Barnes.

Excepting and reserving thereout and therefrom that portion of land lot 131 of the Tenth district of Carroll County, Georgia which was conveyed by Trent Tube Company by quit-claim deed to the Mayor and City Council of Carrollton for a right of way for a public street, CONVEYING HEREWITH HOWEVER to grantee herein the reversion retained by Trent Tube Company in said deed, which deed is recorded in the Clerk's Office, Superior Court, County of Carroll and State of Georgia in Book 135, Page 336.

SUBJECT to an easement granted by Trent Tube Company to The City of Carrollton, Georgia, for a sewer line, dated December 27, 1961 and recorded in the Clerk's Office, Superior Court, County of Carroll and State of Georgia on February 16, 1962 in Deed Book 135, page 543.

SUBJECT to an easement and right of way granted by Crucible Inc to Georgia Power Company for a transmission tap line, dated March 29, 1972, and recorded in the Clerk's Office, Superior Court, County of Carroll and State of Georgia on April 17, 1972 in Deed Book 266, page 259.

THIRD. All that tract or parcel of land lying and being in Land Lot No. 131 of the 10th District of Carroll County, Georgia, containing six (6) acres, as shown and delineated on a plat entitled "Property of Crucible Steel Company of America, Trent Tube Division", prepared by Harrison Engineering, Registered Land Surveyor No. 1134, dated June 20, 1967, a copy of which is recorded in Plat Book 8, page 69, Carroll County, Georgia Public Real Estate Records, which plat and the record thereof are each specifically by reference incorporated herein. Said property is further described in detail as BEGINNING at a point in the east boundary of Hammond Road, also sometimes know and referred to as Trent Tube Road, which point is 791 feet northward along the east boundary of Hammond Road from a point where the projection of the east boundary thereof intersects the center line of Alabama Street, which point of beginning is marked by an iron monument; and from thence running along the east boundary of Hammond Road in a compass bearing of north 2 degrees 17 minutes west, for a distance of 330 feet to an iron pin monument; thence on a compass bearing of north 88 degrees 00 minutes east, a distance of 481.5 feet to a corner; thence on a compass bearing of south 17 degrees 30 minutes east, for a distance of 427 feet to the west boundary of the right of way of the Central of

Georgia Railway Company; thence along said boundary, south 73 degrees 26 minutes west, for a distance of 217.8 feet to a corner in said right of way of said Railway Company's road bed; thence on a compass bearing of south 88 degrees 46 minutes west, for a distance of 812 feet and to the point of beginning. Said property is bounded on the north by the property known as the Trent Tube Manufacturing Company Site, on the south by the property of O.L. Hammond and D.L. Hammond, on the east by the Central of Georgia Railway Company right of way, and on the west by the Hammond Road.

ALSO,

ALL THAT TRACT OR PARCEL OF LAND lying and being in Land Lot 131 of the 10th District of Carroll County, Georgia, being more particularly described as follows:

To find the true point of beginning start at the intersection of the west right-of-way of the Central of Georgia Railroad and the north right-of-way of Alabama Street; thence proceed northerly along the west right-of-way of said railroad 1186.00 feet to a point; thence proceed South 86°46'00" West for a distance of 815.11 feet to a point on the east right-of-way of Hammond Street; thence proceed along the east right-of-way of Hammond Street North 02°02'50" West for a distance of 194.05 feet to a point; thence North 01°04'35" for a distance of 134.92 feet to a point; thence North 00°41'16" West for a distance of 187.75 feet to the true point of beginning;

Thence proceed South 89°18'44" West for a distance of 30.00 feet to a point; thence North 00°41'16" West a distance of 275.03 feet to a point; thence North 84°30'04" East for a distance of 435.00 feet to a point; thence South 05°29'56" East for a distance of 60.00 feet to a point; thence South 84°30'04" West for a distance of 409.94 feet to a point; thence South 00°41'16" East for a distance of 217.35 feet to the point of beginning. Said tract of land containing 0.75 acres.

The foregoing legal description of the property is based on a survey prepared by Crawford & Associates, Inc., dated May 9, 1996 at Job No. JN910610.



ATTACHMENT B

GROUNDWATER MONITORING REPORT: JULY 2016

9874 Main Street, Woodstock, GA 30188 tel 770.926.8883 fax 770.926.5383 www.ecsconsult.com

August 11, 2016

Mr. Yue Han Georgia Environmental Protection Division Hazardous Site Response Program 2 Martin Luther King Jr. Drive, Suite 1462 East Atlanta, Georgia 30334

RE: Groundwater Monitoring Report: July 2016
Crucible Materials Corp.- Trent Tube Division
Carrollton, Carroll County, Georgia
HSI No. 10604
ECS Project No. 27-225273.00

Dear Mr. Han:

On behalf of the Georgia Environmental Protection Division (GEPD) Hazardous Site Response Program, Environmental Compliance Services, Inc. (ECS), is pleased to submit the July 2016 Groundwater Monitoring Report for the above-referenced site.

If you have any questions regarding this report, please contact me at 770.926.8883, extension 139.

Sincerely,

ENVIRONMENTAL COMPLIANCE SERVICES, INC.

Dean R. McCartney Program Manager

9874 Main Street, Woodstock, GA 30188 tel 770.926.8883 fax 770.926.5383 www.ecsconsult.com

August 11, 2016

Mr. Yue Han Georgia Environmental Protection Division Hazardous Site Response Program 2 Martin Luther King Jr. Drive, Suite 1462 East Atlanta, Georgia 30334

RE: Groundwater Monitoring Report: July 2016
Crucible Materials Corp. - Trent Tube Division
Carrollton, Carroll County, Georgia
HSI No. 10604
ECS Project No. 27-225273.00

Dear Mr. Han:

Environmental Compliance Services, Inc., (ECS) is pleased to provide this semiannual groundwater monitoring report for the former Crucible Materials Corporation (Crucible) - Trent Tube Division facility located at 141 Hammond Street in Carrollton, Carroll County, Georgia. Referenced as the "Former Trent Tube" site (site) in several documents, it is currently operated by Bo Metals, Inc. (Bo Metals), which manufactures a wide variety of concrete accessory products. A site location map is included as **Figure 1**. This report summarizes the field sampling activities, conditions encountered, and analytical results for the July 19 and 20, 2016, groundwater monitoring event. These tasks were performed in accordance with the Project Assignment Form for Contractor Services, Contract Number 46200-741-DNR0000365-0002.

SITE BACKGROUND INFORMATION

The sources of the two previously identified on-site releases are presumed to be from the wastewater and on-site settling ponds associated with the former stainless-steel pipe and tubing manufacturing as performed by Crucible, the former site operator. The site was listed on the Hazardous Site Inventory (HSI) on February 15, 2000, as a result of nickel impact to groundwater. In 2005, Bo Metals submitted a Prospective Purchaser Compliance Status Report (PPCSR), as part of a Brownfield Limitation of Liability (LOL) Application. The Georgia Environmental Protection Division (GEPD) approved the PPCSR certification, that site soils met the residential risk reduction standards for fluoride and nickel. However, nickel, fluoride, and trichloroethene (TCE) were not in compliance with established Risk Reduction Standards (RRS). As a result, in 2009 Crucible proposed to implement Monitored Natural Attenuation (MNA) as a groundwater corrective measure.

Prior to concurrence, the GEPD required additional groundwater data and associated modeling for the nickel and fluoride impacts to groundwater. Crucible filed for bankruptcy (Chapter 7) in 2010, and additional groundwater information was not provided to GEPD. There has not been additional environmental compliance monitoring or corrective action activities completed at the site since 2010, with the exception of the Bo Metals LOL annual certifications.

SITE DESCRIPTION

The 37-acre site is located at 141 Hammond Street, Carrollton, Carroll County, Georgia, identified as Carroll County tax parcel no. CO2 0430003. The site property is fenced and consists of one approximately 170,000-square foot building, which is used for the manufacturing and storage of the Bo Metals concrete accessory products. Most of the remainder of the ground surface at the site is covered with asphalt parking, gravel roads, or natural vegetative cover. Surrounding land uses consist of Southern States (a farmers cooperative) to the south, a residential trailer park to the west, the Little Tallapoosa River to the north, and Central of Georgia Railroad property to the east. Elevations at the site range from 960 to 1,060 feet above mean sea level (AMSL) and slopes gradually to the north toward the Little Tallapoosa River. According to the information listed in an August 1, 2005, Compliance Status Report (CSR) for the site, the soils on site consist of sand/clay/gravel/concrete fill materials, clayey sand/clayey silty sand/silty clay containing quartz and garnet fragments, alluvium soils, saprolite, and schist bedrock. The depth to groundwater at the site generally ranges from 10 to 20 feet below ground surface (BGS), with shallower depths as the locations approach the Little Tallapoosa River to the north. Groundwater flow mimics the general topography of the site and flows generally in a northerly trending direction, toward the Little Tallapoosa River. Based on the above referenced 2005 CSR, the nearest drinking water well was located approximately 3,000 feet west of the site.

JULY 2016 FIELD ACTIVITIES

The objective of this work is to further characterize groundwater impacts at the site by collecting additional groundwater data. The conditions of the existing groundwater monitoring locations were assessed, and minor repairs and modifications were made prior to sampling collection. The PAF requested the gauging and sampling of sixteen groundwater monitoring wells, including:MW-1, MW-2, MW-3, MW-4, MW-4R, MW-5, MW-6, MW-7, MW-12, MW-12D, MW-13, MW-20, MW-23, MW-24, MW-25, and MW-26. Groundwater samples were to be submitted for laboratory analysis of nickel and fluoride, with monitoring wells MW-2 and MW-23 additionally analyzed for volatile organic compounds (VOCs).

The Carrollton Greenbelt Trail (Greenbelt) construction is ongoing along the northern boundary of the site, along the southern banks of the Little Tallapoosa River. Based on visual observations of this area, it appears that Greenbelt construction activities have destroyed some monitoring wells. ECS has been provided copies of five segments of the Construction Plan by Georgia & West, Inc. (segments CP-04 through CP-09), for the construction segment comprised of Alabama Street to Avalon Drive, in Carrollton, Georgia. Based on the Construction Plan and site maps, it appears that monitoring wells MW-20, MW-25, and MW-26 are be located in the vicinity of the Greenbelt construction.

On June 16, 2016, ECS personnel mobilized to the site to identify monitoring well locations, gauge the wells, and to make minor repairs and modifications prior to sampling collection. During the initial site visit, the following wells were unable to be located: MW-14, MW-16, MW-17, MW-19, MW-20, MW-21D, MW-22, MW-24, MW-24D, MW-25, and MW-26. In addition, monitoring wells MW-7, MW-8, MW-9, and MW-15 were listed as abandoned in previous reports.

ECS conducted an additional site visit on July 19, 2016, prior to performing groundwater gauging and sampling activities. With the assistance of Bo Metals personnel, the following wells were unable to be located and the following presumptions are made:

- Monitoring wells MW-20, MW-25, and MW-26 are presumed to be destroyed, due to their location within the Greenbelt construction activities zone;
- Monitoring wells MW-24 and MW-24D were unable to be located and are presumed to have been destroyed; and
- Monitoring wells MW-7, MW-8, and MW-9 were reported as abandoned on historical reports and were unable to be located during site visits.

On July 19 and 20, 2016, ECS recorded groundwater level data from thirteen existing monitoring wells: MW-1, MW-2, MW-3, MW-4, MW-4R, MW-5, MW-6, MW-11, MW-12, MW-12D, MW-13, MW-18, and MW-23. Monitoring well locations are shown on the site map provided as **Figure 2**. Note: monitoring well MW-11 was gauged and sampled in the place of abandoned MW-7, following correspondence with the GEPD.

The groundwater level in each monitoring well was measured using an electronic water-level meter. After the water-level data was recorded, the monitoring wells were purged utilizing low-flow techniques with a peristaltic pump fitted with clean, disposable tubing. The monitoring wells were purged until the hydrogen ion concentration (pH), specific conductance, and temperature of the groundwater stabilized and the turbidity had either stabilized or was below 10 Nephelometric Turbidity Units (NTUs).

In accordance with SESDPROC-301-R3 Section 3, Groundwater Sampling Methods - Purging (time required to sample, quantities of investigation derived waste (IDW) requiring management, etc.), the alternate purge procedures or sampling strategies available are the "Tubing-in-Screened Interval", also known as the "Low Flow/Low Volume" method. This method described in SESDPROC-301-R3 Section 3.2.2 was utilized for purging of sampled wells...Justification for using the "Low Flow/Low Volume" method is as described in Section 3.2.2 of SESDPROC-301-R3. Section 3.2.2 "Tubing-in-Screened-Interval" Method indicates the "Tubing-in-Screen" method, sometimes referred to as the "Low Flow" method, is used primarily when calculated purge volumes for the traditional purging method are excessive and present issues related to timely completion of the project and/or management of investigative derived waste (IDW).

A peristaltic pump with clean, disposable Teflon tubing was used for purging monitoring wells MW-1, MW-2, MW-3, MW-4, MW-4R, MW-5, MW-6, MW-11, MW-12, MW-13, MW-18, and MW-23. These wells were purged with tubing placed within the screen interval. Based on the screened interval location of MW-12D, located at depths of 84 to 94 feet below ground surface, purging was conducted using a decontaminated downwell electric submersible pump. A summary of purging information is presented in **Table 4**.

Purge water was containerized and staged at the site in one 55-gallon drum for future disposal pending analytical results. ECS may propose disposing of the containerized purge water by discharging to the municipal wastewater treatment system via an onsite drain connection. While this disposal method is pending approval, it is noted that this disposal method has been utilized by prior environmental consultants during historical groundwater monitoring events.

Upon completion of purging activities, groundwater samples from a total of thirteen monitoring wells were sampled and analyzed for nickel, via US Environmental Protection Agency (EPA) Method 6020B, fluoride via EPA Method 9056A, and routine indicator parameters consisting of temperature, specific conductivity, pH, and turbidity. Groundwater samples obtained from MW-23 and MW-2, were also analyzed for VOCs per EPA Method 8260B. A duplicate groundwater sample, identified as DUP-01, was collected from monitoring well MW-23.

The groundwater samples for analysis of TCE and its biodegradation daughter products were collected from the intake end of the discharge tubing, after the peristaltic pump was stopped and the tubing removed from the monitoring well. The nickel and fluoride samples were collected directly from the discharge end of the tubing during uninterrupted, low-flow peristaltic pump operation. The groundwater samples were placed into clean, laboratory-provided containers, labeled, and recorded on a Chain-of-Custody form.

The containerized groundwater samples were stored in an ice-filled cooler and were transported to TestAmerica Laboratory Services, located in Nashville, Tennessee, for analysis. Field sampling records are provided in **Attachment A**.

GROUNDWATER SAMPLING AND GAUGING RESULTS:

Depths to groundwater were measured to have varied between approximately 0.11 feet below top of casing (BTOC) in MW-12D to 24.92 feet BTOC in MW-18. Neither high density nor low density free phase product was detected in site wells. Groundwater flow direction is interpreted to trend primarily northerly, towards the Little Tallapoosa River. In July 2016, groundwater elevations were 1.94 to 3.88 feet lower than the levels observed during the May 2010 quarterly sampling event. The hydraulic gradient, calculated between upgradient monitoring well MW-4R and downgradient monitoring well MW-1, was approximately 0.016 ft/ft. The groundwater elevation summaries for the historical and the current gauging events are included in **Table 1**. The groundwater potentiometric surface map for July 19, 2016, is shown as **Figure 3**.

Current and historical nickel, fluoride, nitrate, nitrite, TCE, cis-1,2 dichloroethene (cis-1,2 DCE), trans-1,2 dichloroethene (trans-1,2 DCE), 1,1 dichloroethene (1,1 DCE), and vinyl chloride groundwater analytical data is summarized in **Table 2** and are presented on **Figure 4**. The field parameters collected during sampling (turbidity, pH, specific conductance, and temperature) are summarized in **Table 3**. The laboratory analytical report is provided as **Attachment B**.

Nickel

During the July 2016 sampling event, nickel was reported to exceed the laboratory method-detection limits (MDL) in all thirteen groundwater samples (MW-1, MW-2, MW-3, MW-4, MW-4R, MW-5, MW-6, MW-11, MW-12, MW-12D, MW-13, MW-18, and MW-23) analyzed for this constituent. The nickel concentrations in the groundwater samples from monitoring wells MW-4 (4.84 milligrams per liter [mg/L]) and MW-5 (2.18 mg/L) exceeded the applicable Type 4 Risk Reduction Standard (RRS) of 2.0 mg/L. The nickel concentrations in the groundwater samples from the remaining monitoring wells were less than either the Type 4 or Type 2 RRS, as applicable.

In July 2016, the concentrations of nickel in groundwater had increased from the May 2010 levels at monitoring wells MW-3 (from 0.39 mg/L to 0.869 mg/L), MW-4 (from 2.31 mg/L to 4.84 mg/L), MW-12D (from <0.0200 mg/L to 0.00121 [J] mg/L), MW-13 (from <0.0200 mg/L to 0.00572 mg/L), and MW-18 (from <0.0200 mg/L to 0.0461 mg/L). Concentrations of nickel decreased in July 2016 from the May 2010 levels in groundwater samples from monitoring wells MW-1 (from 1.17 mg/L to 0.450 mg/L), MW-2 (from 0.826 mg/L to 0.698 mg/L), MW-4R (from

1.98 mg/L to 1.65 mg/L), MW-5 (from 4.48 mg/L to 2.18 mg/L), and MW-12 (from 0.700 mg/L to 0.360 mg/L).

Fluoride

During the July 2016 sampling event, fluoride was reported to exceed the laboratory MDL in all thirteen groundwater samples (MW-1, MW-2, MW-3, MW-4, MW-4R, MW-5, MW-6, MW-11, MW-12, MW-12D, MW-13, MW-18, and MW-23) analyzed for this constituent. The fluoride concentrations in the groundwater samples from monitoring wells MW-1 (32.3 mg/L), MW-2 (22.4 mg/L), MW-3 (24.2 mg/L), MW-4 (182 mg/L), MW-4R (125 mg/L), MW-5 (93.2 mg/L), and MW-12 (34.1 mg/L) exceeded the applicable Type 4 Risk Reduction Standard (RRS) of 12.2 mg/L. The fluoride concentrations in the groundwater samples from the remaining monitoring wells were less than either the Type 4 or Type 2 RRS, as applicable.

In July 2016, the concentrations of fluoride in groundwater had increased from the May 2010 levels at monitoring wells MW-3 (from 8.8 mg/L to 24.2 mg/L), MW-4 (from 107 mg/L to 182 mg/L), MW-4R (from 90 mg/L to 125 mg/L), MW-5 (from 82 mg/L to 93.2 mg/L), MW-12 (from 29 mg/L to 34.1 mg/L), MW-12D (from 0.25 mg/L to 0.372 mg/L), and MW-18 (from 0.46 mg/L to 1.71 mg/L). Concentrations of nickel decreased in July 2016 from the May 2010 levels in groundwater samples from monitoring wells MW-1 (from 56 mg/L to 32.3 mg/L), MW-2 (from 32 mg/L to 22.4 mg/L), and MW-13 (from 0.90 mg/L to 0.154 mg/L).

TCE

During the July 2016 sampling event, TCE was reported to exceed the laboratory MDL in one of the two groundwater samples (MW-2) analyzed for this constituent. The TCE concentration in the groundwater sample from monitoring well MW-2 (0.00618 mg/L) exceeded the Type 4 RRS of 0.005 mg/L. The TCE concentration decreased in MW-2 from 0.012 mg/L in May 2010 to 0.00618 mg/L in July 2016. TCE biodegradation products (cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,1-dichloroethene, and vinyl chloride) were not reported to have exceeded the MDL in the two groundwater samples analyzed for these constituents.

CONCLUSIONS

Based on the groundwater monitoring activities conducted at the former Trent Tube facility and a review of historical data, the following conclusions for the site are as follows:

 During the initial site visit in July 2016 gauging activities, ECS collected groundwater water level data from thirteen monitoring wells: MW-1, MW-2, MW-3, MW-4, MW-4R, MW-5, MW-6, MW-11, MW-12, MW-12D, MW-13, MW-18, and MW-23;

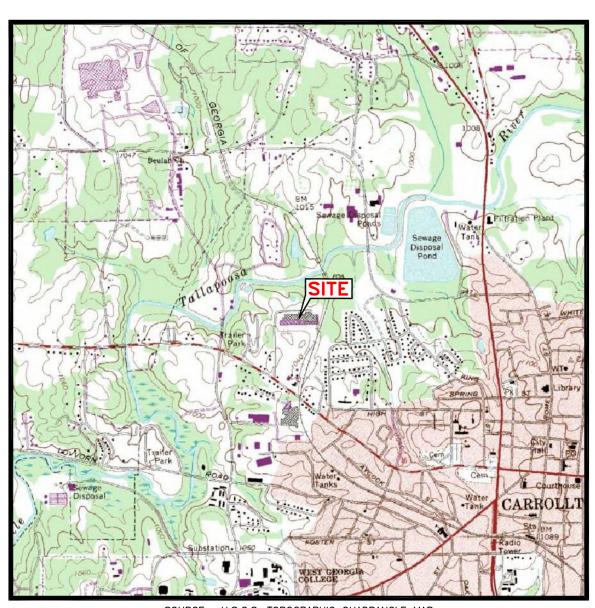
- Monitoring wells MW-14, MW-16, MW-17, MW-19, MW-20, MW-21D, MW-22, MW-24, MW-24D, MW-25, and MW-26 were unable to be located and are presumed to have been destroyed;
- Monitoring wells MW-7, MW-8, MW-9, and MW-15 were reported to have been abandoned, per review of historical reports;
- Monitoring well MW-11 was sampled in the place of abandoned MW-7, following correspondence with GEPD; and
- Laboratory results from the July 2016 sampling event reported that nickel concentrations in groundwater samples obtained from monitoring wells MW-4 and MW-5 exceeded the Type 4 RRS for this constituent. The fluoride concentrations reported in groundwater samples obtained from monitoring wells MW-1, MW-2, MW-3, MW-4, MW-4R, MW-5, and MW-12 were reported to have exceeded the applicable Type 4 RRS. The TCE concentration in the groundwater sample obtained from monitoring well MW-2 was reported to have exceeded the applicable Type 4 RRS.

Georgia Professional Engineer's Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons 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.

Kenneth J. Perignat, P.E. Georgia Registered Professional Engineer No. 32249

ECS Certificate of Authorization - Engineering Firm, No. PEF006594



SOURCE: U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
MAP SOURCE: 7.5 MINUTE SERIES, CARROLLTON, GEORGIA, 1982





9874 Main Street, Suite 100, Woodstock, Ga. 30188 Phone: 770—926—8883 Fax: 770—926—5383 ecsconsult.com

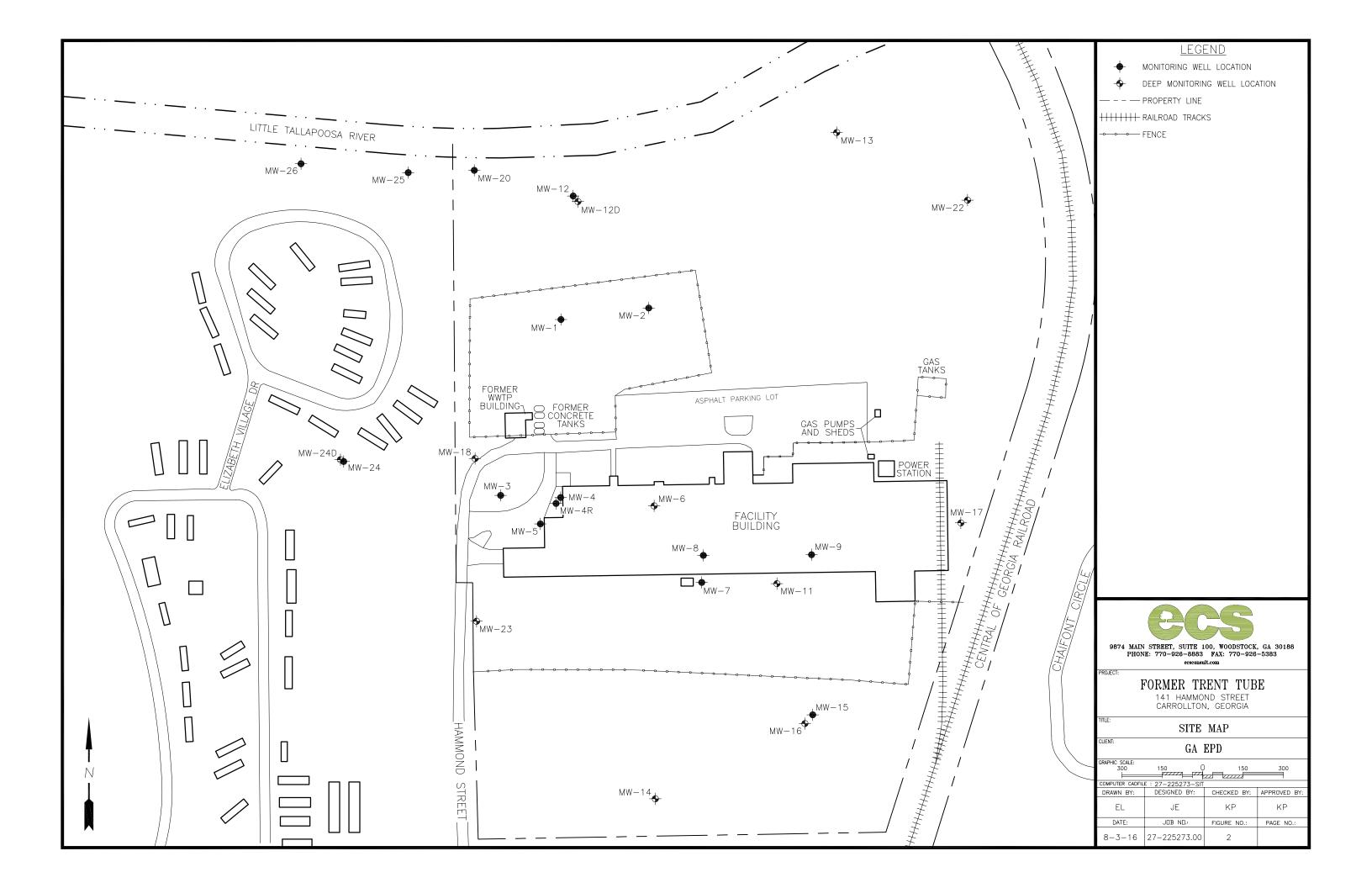
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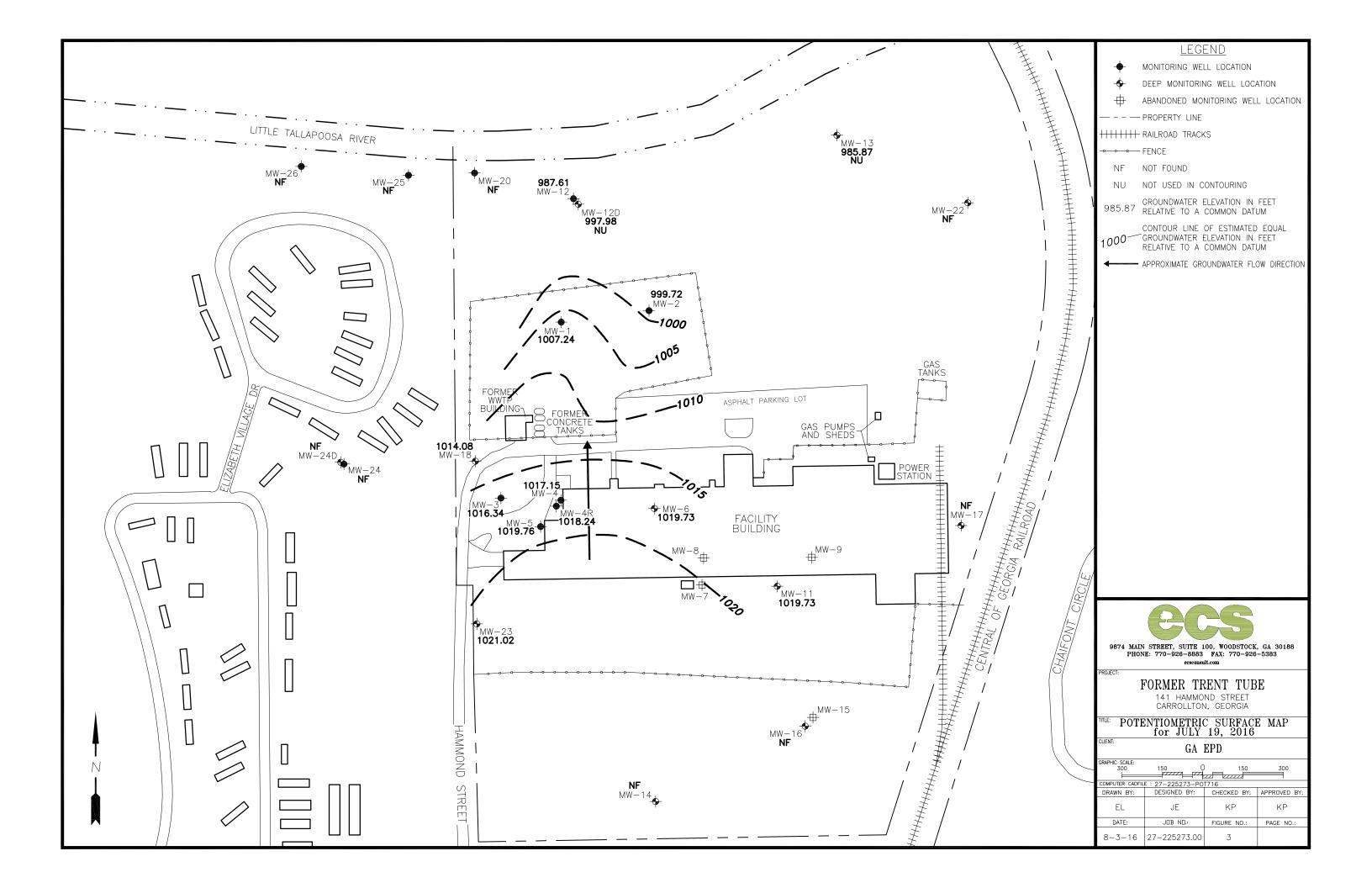
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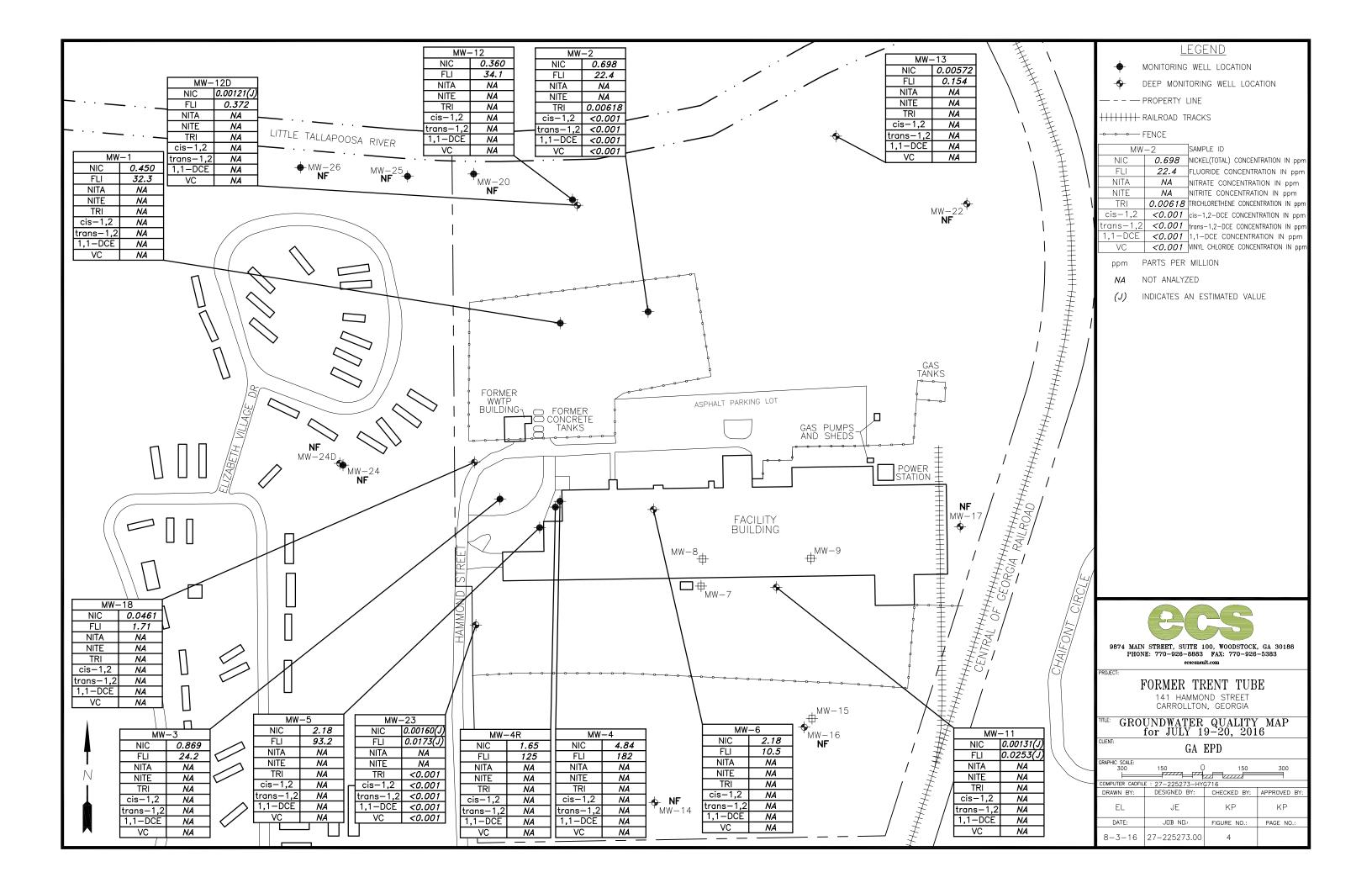
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(All measurements in feet)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Measured | Top of Casing Elevation | Screen Interval | Depth of Free Product | Water Depth | Product Thickness | Specific Gravity Adjustment | Corrected Groundwater Elevation |
|---------|------------------|-------------------------------|--------------------|-----------------------------|----------------|----------------------|-----------------------------------|---------------------------------------|
| | 08/23/04 | | | | 13.39 | | | 1008.00 |
| | 03/09/06 | | | | 11.27 | | | 1010.12 |
| | 06/07/06 | | | | 12.29 | | | 1009.10 |
| | 09/08/06 | | | | 14.18 | | | 1007.21 |
| | 11/29/06 | | | | 13.45 | | | 1007.94 |
| | 05/21/07 | | | | 14.04 | | | 1007.35 |
| | 08/14/07 | | | | 15.07 | | | 1006.32 |
| | 11/01/07 | | | | 16.03 | | | 1005.36 |
| | 01/30/08 | | | | 15.74 | | | 1005.65 |
| MW-1 | 05/12/08 | 1021.39 | 10-20 | | 12.11 | | | 1009.28 |
| | 08/06/08 | | | | 14.00 | | | 1007.39 |
| | 11/05/08 | | | | 15.34 | | | 1006.05 |
| | 02/16/09 | | | | 13.81 | | | 1007.58 |
| | 05/18/09 | | | | 11.53 | | | 1009.86 |
| | 08/03/09 | | | | 13.32 | | | 1008.07 |
| | 11/04/09 | | | | 10.96 | | | 1010.43 |
| | 02/01/10 | | | | 10.99 | | | 1010.40 |
| | 05/18/10 | | | | 12.11 | | | 1009.28 |
| | 07/19/16 | | | | 14.15 | | | 1007.24 |
| | 08/23/04 | | | | 11.84 | | | 1000.14 |
| | 03/08/06 | | | | 8.38 | | | 1003.60 |
| | 06/07/06 | | | | 9.99 | | | 1001.99 |
| | 09/07/06 | | | | 13.20 | | | 998.78 |
| | 11/29/06 | | | | 12.16 | | | 999.82 |
| | 05/21/07 | | | | 13.03 | | | 998.95 |
| | 08/14/07 | | | | 14.25 | | | 997.73 |
| | 11/01/07 | | | | 15.60 | | | 996.38 |
| | 01/30/08 | | | | 14.97 | | | 997.01 |
| MW-2 | 05/12/08 | 1011.98 | 7-17 | | 9.82 | | - | 1002.16 |
| | 08/06/08 | | | | 12.87 | | | 999.11 |
| | 11/05/08 | | | | 14.34 | | | 997.64 |
| | 02/16/09 | | | | 12.37 | | - | 999.61 |
| | 05/18/09 | | | | 8.45 | | - | 1003.53 |
| | 08/03/09 | | | | 11.60 | | - | 1000.38 |
| | 11/04/09 | | | | 7.56 | | | 1004.42 |
| | 02/01/10 | | | | 6.44 | | | 1005.54 |
| | 05/18/10 | | | | 8.38 | | | 1003.60 |
| | 07/19/16 | | | - | 12.26 | - | | 999.72 |

Tables Page 1 of 6

(All measurements in feet)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| W-II ID | Date | Top of | Screen | Depth of | Water | Product | Specific | Corrected |
|---------|----------|---------------------|-----------|-----------------|-------|-----------|------------|--------------------------|
| Well ID | Measured | Casing Elevation | Interval | Free Product | Depth | Thickness | Gravity | Groundwater Elevation |
| | 08/23/04 | Elevation | | Product | 19.60 | | Adjustment | 1016.38 |
| | 03/09/06 | • | | | 17.19 | | | 1018.79 |
| | 06/06/06 | • | | | 18.01 | | | 1017.97 |
| | 09/06/06 | | | | 20.22 | | | 1017.97 |
| | 11/29/06 | 1 | | | 20.23 | | | 1015.75 |
| | 05/22/07 | | | | 20.65 | | | 1015.33 |
| | 08/14/07 | | | | 21.74 | | | 1014.24 |
| | 11/01/07 | | | | 22.82 | | | 1013.16 |
| | 01/30/08 | 1 | | | 22.84 | | | 1013.14 |
| MW-3 | 05/12/08 | 1035.98 | 15-25 | | 19.03 | | | 1016.95 |
| | 08/06/08 | | | | 20.31 | | | 1015.67 |
| | 11/05/08 | | | | 21.73 | | | 1014.25 |
| | 02/16/09 | 1 | | | 20.74 | | | 1015.24 |
| | 05/18/09 | | | | 17.80 | | | 1018.18 |
| | 08/03/09 | | | | 19.26 | | | 1016.72 |
| | 11/04/09 | 1 | | | 17.21 | | | 1018.77 |
| | 02/01/10 | | | | 15.56 | | | 1020.42 |
| | 05/18/10 | | | | 16.60 | | | 1019.38 |
| | 07/19/16 | | | - | 19.64 | | - | 1016.34 |
| | 08/23/04 | | | | 19.74 | | | 1018.97 |
| | 03/10/06 | | | | 19.74 | | | 1018.97 |
| | 06/06/06 | | | | 19.97 | | | 1018.74 |
| | 09/06/06 | | | - | 22.89 | | - | 1015.82 |
| | 11/29/06 | | | | 23.74 | | | 1014.97 |
| | 05/21/07 | | | | 23.82 | | | 1014.89 |
| | 08/14/07 | | | | 24.65 | | | 1014.06 |
| | 11/01/07 | 1 | | | 24.89 | | | 1013.82 |
| | 01/30/08 | | | | 24.93 | | | 1013.78 |
| MW-4 | 05/12/08 | 1038.71 | 15-25 | - | 21.52 | | | 1017.19 |
| | 08/06/08 | | | 1 | 22.39 | | - | 1016.32 |
| | 11/05/08 |] | | | 24.34 | | | 1014.37 |
| | 02/16/09 |] | | | 23.45 | | | 1015.26 |
| | 05/18/09 |] | | | 19.58 | | | 1019.13 |
| | 08/03/09 | | | | 20.98 | | | 1017.73 |
| | 11/04/09 | | | | 19.31 | | | 1019.40 |
| | 02/01/10 | | | | 17.06 | | | 1021.65 |
| | 05/18/10 | | | | 17.92 | | | 1020.79 |
| | 07/19/16 | | | - | 21.56 | | - | 1017.15 |
| | 02/16/09 | | | | 22.24 | | | 1016.04 |
| | 05/18/09 | | | | 18.57 | | | 1019.71 |
| | 08/03/09 | | | | 19.76 | | | 1018.52 |
| MW-4R | 11/04/09 | 1038.28 | 24.5-34.5 | | 18.32 | | | 1019.96 |
| | 02/01/10 | | | | 16.02 | | | 1022.26 |
| | 05/18/10 | | | | 16.91 | | | 1021.37 |
| | 07/19/16 | | | - | 20.04 | | | 1018.24 |

Tables Page 2 of 6

(All measurements in feet)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Measured | Top of Casing Elevation | Screen Interval | Depth of Free Product | Water Depth | Product Thickness | Specific Gravity Adjustment | Corrected Groundwater Elevation |
|----------|------------------|-------------------------------|--------------------|-----------------------------|----------------|----------------------|-----------------------------------|---------------------------------------|
| | 08/23/04 | | | | 20.22 | | | 1018.49 |
| | 03/09/06 | | | | 17.32 | | | 1021.39 |
| | 06/06/06 | | | | 17.51 | | | 1021.20 |
| | 09/06/06 | | | | 20.27 | | | 1018.44 |
| | 11/29/06 | | | | 21.22 | | | 1017.49 |
| | 05/21/07 | | | | 21.08 | | | 1017.63 |
| | 08/14/07 | | | | 22.12 | | | 1016.59 |
| | 11/01/07 | | | | 23.05 | | | 1015.66 |
| | 01/30/08 | | | | 23.80 | | | 1014.91 |
| MW-5 | 05/12/08 | 1038.71 | 15-25 | | 19.55 | | | 1019.16 |
| | 08/06/08 | | | | 20.05 | | | 1018.66 |
| | 11/05/08 | | | | 21.95 | | | 1016.76 |
| | 02/16/09 | | | | 21.48 | | | 1017.23 |
| | 05/18/09 | | | | 17.65 | | | 1021.06 |
| | 08/03/09 | | | | 18.69 | | | 1020.02 |
| | 11/04/09 | | | | 17.57 | | | 1021.14 |
| | 02/01/10 | | | | 14.77 | | | 1023.94 |
| | 05/18/10 | | | | 15.49 | | | 1023.22 |
| | 07/19/16 | | | | 18.95 | | | 1019.76 |
| MW-6 | 08/23/04 | 1042.40 | 17-27 | | 23.22 | | | 1019.18 |
| IVIVV-0 | 07/19/16 | 1042.40 | 17-27 | | 22.67 | | | 1019.73 |
| MW-7 | 08/23/04 | UNK | UNK | | | Abandor | ned | |
| 10100-7 | 07/19/16 | OINK | OINK | | | Abandor | ned | |
| MW-8 | 08/23/04 | UNK | UNK | | | Abandor | ned | |
| IVIVV-0 | 07/19/16 | ONIX | ONIX | | | Abandor | ned | |
| MW-9 | 08/23/04 | UNK | UNK | | | Abandor | | |
| WW 5 | 07/19/16 | ONIX | OIVIC | | | Abandor | ned | |
| MW-11 | 08/23/04 | 1042.47 | 17-27 | | 23.11 | | | 1019.36 |
| 10100-11 | 07/19/16 | 1042.47 | 17-27 | | 22.74 | | | 1019.73 |
| | 08/23/04 | | | | 11.52 | | | 987.21 |
| | 03/08/06 | | | | 9.01 | | | 989.72 |
| | 06/07/06 | | | | 10.18 | | | 988.55 |
| | 09/07/06 | | | | 12.27 | | | 986.46 |
| | 11/30/06 | | | | 10.24 | | | 988.49 |
| | 05/22/07 | | | | 11.90 | | | 986.83 |
| | 08/14/07 | | | | 12.65 | | | 986.08 |
| | 11/01/07 |] | | | 13.38 | | | 985.35 |
| | 01/30/08 | | | | 12.05 | | | 986.68 |
| MW-12 | 05/12/08 | 998.73 | 8-18 | | 8.95 | | | 989.78 |
| | 08/06/08 | | | | 12.33 | | | 986.40 |
| | 11/05/08 | | | | 12.49 | | | 986.24 |
| | 02/16/09 | | | | 10.90 | | | 987.83 |
| | 05/18/09 | | | | 8.73 | | | 990.00 |
| | 08/03/09 | | | | 10.98 | | | 987.75 |
| | 11/04/09 | | | | 8.47 | | | 990.26 |
| | 02/02/10 | | | | 7.80 | | | 990.93 |
| | 05/19/10 | | | | 9.18 | | | 989.55 |
| | 07/19/16 | | | | 11.12 | | | 987.61 |

Tables Page 3 of 6

(All measurements in feet)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| | | Top of | 1 | Depth of | | | Specific | Corrected |
|----------|----------|-----------|----------|----------|-------|--------------|-------------|-------------|
| Well ID | Date | Casing | Screen | Free | Water | Product | Gravity | Groundwater |
| Well ID | Measured | Elevation | Interval | Product | Depth | Thickness | Adjustment | Elevation |
| | 08/23/04 | Lievation | | Froduct | 0.00 | | Aujustinent | 998.09 |
| | 03/09/06 | - | | | 0.00 | | | 998.09 |
| | 06/07/06 | - | | | 0.00 | | | 998.09 |
| | 09/07/06 | - | | | 0.00 | | | 998.09 |
| | 11/30/06 | | | | 0.00 | | | 998.09 |
| MW-12D | 05/22/07 | 998.09 | 84-94 | | 0.00 | | | 998.09 |
| WW 12D | 11/01/07 | 330.03 | 04 34 | | 0.69 | | | 997.40 |
| | 01/30/08 | | | | 0.08 | | | 998.01 |
| | 02/16/09 | 1 | | | 0.00 | | | 998.09 |
| | 02/02/10 | 1 | | | 0.00 | | | 998.09 |
| | 07/19/16 | 1 | | | 0.11 | | | 997.98 |
| | 08/23/04 | | | | 8.52 | | | 984.76 |
| | 03/08/06 | | | | 5.74 | | | 987.54 |
| | 06/08/06 | | | | 7.56 | | | 985.72 |
| | 09/07/06 | | | | 9.31 | | | 983.97 |
| | 11/30/06 | 1 | | | 6.14 | | | 987.14 |
| | 05/22/07 | | | | 8.88 | | | 984.40 |
| | 08/14/07 | 1 | | | 10.45 | | | 982.83 |
| | 11/01/07 | | | | 9.76 | | | 983.52 |
| MW-13 | 01/30/08 | 993.28 | 8-18 | | 8.07 | | | 985.21 |
| | 05/12/08 | | | | 5.75 | | | 987.53 |
| | 08/06/08 | | | | 9.67 | | | 983.61 |
| | 11/05/08 | | | | 8.94 | | | 984.34 |
| | 02/16/09 | | | | 7.68 | | | 985.60 |
| | 05/18/09 | | | | 5.94 | | | 987.34 |
| | 08/03/09 | | | | 8.45 | | | 984.83 |
| | 02/02/10 | | | | 5.35 | | | 987.93 |
| | 07/19/16 | | | | 7.41 | | | 985.87 |
| MW-14 | 08/23/04 | 1046.61 | 10-20 | | 16.49 | | | 1030.12 |
| 10100-14 | 07/19/16 | 1040.01 | 10-20 | | ı | Not Found/De | estroyed | |
| MW-15 | 08/23/04 | UNK | UNK | | | Abandor | ned | |
| 10100-13 | 07/19/16 | ONIX | ONIX | | | Abandor | ned | |
| MW-16 | 08/23/04 | 1049.07 | 20-35 | | 28.78 | | | 1020.29 |
| 10100-10 | 07/19/16 | 1049.07 | 20-33 | | 1 | Not Found/De | estroyed | |
| MW-17 | 08/23/04 | 1037.30 | 19-34 | | 29.03 | | | 1008.27 |
| 10100-17 | 07/19/16 | 1037.30 | 19-34 | | 1 | Not Found/De | estroyed | |
| | 08/23/04 | | | | 24.85 | | | 1014.15 |
| | 03/07/06 |] | | | 22.99 | | | 1016.01 |
| | 06/06/06 | | | | 23.78 | | | 1015.22 |
| | 09/06/06 | | | | 25.38 | | | 1013.62 |
| | 11/30/06 | | | | 24.99 | | | 1014.01 |
| MW-18 | 05/21/07 | 1039.00 | 20-30 | | 25.56 | | | 1013.44 |
| | 11/01/07 | | | | 27.87 | | | 1011.13 |
| | 01/30/08 | | | | 27.47 | | | 1011.53 |
| | 02/16/09 | | | | 25.35 | | | 1013.65 |
| | 02/01/10 | | | | 21.93 | | | 1017.07 |
| | 07/19/16 | | | | 24.92 | | | 1014.08 |

Tables Page 4 of 6

(All measurements in feet)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Measured | Top of Casing Elevation | Screen Interval | Depth of Free Product | Water Depth | Product Thickness | Specific Gravity Adjustment | Corrected Groundwater Elevation | | | |
|-----------|------------------|-------------------------------|--------------------|-----------------------------|----------------|----------------------|-----------------------------------|---------------------------------------|--|--|--|
| MW-19 | 08/23/04 | 1033.52 | 5-20 | | 19.37 | | | 1014.15 | | | |
| 10100-19 | 07/19/16 | 1033.32 | 3-20 | , | ı | Not Found/De | stroyed | • | | | |
| | 08/23/04 | | | | 6.18 | | | 984.49 | | | |
| | 03/08/06 | | | | 5.92 | | | 984.75 | | | |
| | 06/07/06 | | | | 7.22 | | | 983.45 | | | |
| | 09/07/06 | | | | DRY | | | DRY | | | |
| | 11/30/06 | | | | 6.44 | | | 984.23 | | | |
| | 05/22/07 | | | | 7.67 | | | 983.00 | | | |
| | 08/14/07 | | | | 8.10 | | | 982.57 | | | |
| | 11/01/07 | | | | 8.49 | | | 982.18 | | | |
| | 01/30/08 | | | | 7.13 | | | 983.54 | | | |
| MW-20 | 05/12/08 | 990.67 | 4-9 | | 3.65 | | | 987.02 | | | |
| | 08/06/08 | | | | 8.08 | | | 982.59 | | | |
| | 11/05/08 | | | | 7.56 | | | 983.11 | | | |
| | 02/16/09 | | | | 6.91 | | | 983.76 | | | |
| | 05/18/09 | | | | 5.07 | | | 985.60 | | | |
| | 08/03/09 | | | | 7.62 | | | 983.05 | | | |
| | 11/04/09 | | | | 5.65 | | | 985.02 | | | |
| | 02/02/10 | | | | 5.26 | | | 985.41 | | | |
| | 05/19/10 | | | | 6.51 | | | 984.16 | | | |
| | 07/19/16 | | | | ı | Not Found/De | estroyed | | | | |
| MW 24D | 08/23/04 | 1017.01 | 25.45 | | 24.66 | | | 992.65 | | | |
| MW-21D | 07/19/16 | 1017.31 | 35-45 | | | Not Found/De | estroyed | | | | |
| 1414/ 00 | 08/23/04 | 4000.05 | 00.47 | | 42.95 | | | 987.10 | | | |
| MW-22 | 07/19/16 | 1030.05 | 32-47 | | ı | Not Found/De | estroyed | • | | | |
| NAVA / 00 | 08/23/04 | 4044 44 | 40.5.00.5 | | 21.50 | | | 1019.94 | | | |
| MW-23 | 07/19/16 | 1041.44 | 13.5-23.5 | | 20.42 | | | 1021.02 | | | |
| | 08/23/04 | | | | 2.85 | | | 1001.49 | | | |
| | 03/09/06 | | | | 1.98 | | - | 1002.36 | | | |
| | 06/08/06 | | | | 2.08 | | | 1002.26 | | | |
| | 09/08/06 | | | | 3.19 | | | 1001.15 | | | |
| NAVA 04 | 12/01/06 | 4004.04 | 40.40 | | 2.05 | | | 1002.29 | | | |
| MW-24 | 05/22/07 | 1004.34 | 13-18 | | 3.95 | | | 1000.39 | | | |
| | 01/30/08 | | | | 3.44 | | | 1000.90 | | | |
| - | 02/16/09 | | | | 2.52 | | | 1001.82 | | | |
| | 02/01/10 | | | | 1.46 | | | 1002.88 | | | |
| | 07/19/16 | | | | ı | Not Found/De | estroyed | | | | |
| MW 04D | 08/23/04 | 4000.04 | 00.00 | | 2.93 | | | 1000.91 | | | |
| MW-24D | 07/19/16 | 1003.84 | 89-99 | | ı | Not Found/De | estroyed | • | | | |

Tables Page 5 of 6

(All measurements in feet)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Measured | Top of Casing Elevation | Screen Interval | Depth of Free Product | Water Depth | Product Thickness | Specific Gravity Adjustment | Corrected Groundwater Elevation |
|---------|------------------|-------------------------------|--------------------|-----------------------------|----------------|----------------------|-----------------------------------|---------------------------------------|
| | 08/23/04 | | | | 5.77 | | | 991.14 |
| - | 03/08/06 | | | | 4.19 | | | 992.72 |
| | 06/07/06 | | | | 5.44 | | | 991.47 |
| - | 09/07/06 | | | | 6.29 | | | 990.62 |
| | 11/30/06 | | | | 4.76 | | | 992.15 |
| | 05/22/07 | | | | 5.48 | | | 991.43 |
| - | 08/14/07 | | | | 6.57 | | | 990.34 |
| - | 11/01/07 | | | | 6.28 | | | 990.63 |
| - | 01/30/08 | | | | 5.34 | | | 991.57 |
| MW-25 | 05/12/08 | 996.91 | 4-14 | | 1.82 | | | 995.09 |
| - | 08/06/08 | | | | 6.68 | | | 990.23 |
| - | 11/05/08 | | | | 5.75 | | | 991.16 |
| | 02/16/09 | | | | 5.26 | | | 991.65 |
| | 05/18/09 | | | | 3.27 | | | 993.64 |
| - | 08/03/09 | | | | 5.80 | | | 991.11 |
| | 11/04/09 | | | | 3.90 | | | 993.01 |
| | 02/02/10 | | | | 3.42 | | | 993.49 |
| | 05/19/10 | | | | 4.79 | | | 992.12 |
| | 07/19/16 | | | | | Not Found/De | estroyed | |
| | 03/08/06 | | | | 3.88 | | | NM |
| | 06/07/06 | | | | 4.94 | | | NM |
| | 09/07/06 | | | | 5.82 | | | NM |
| | 11/30/06 | | | | 4.39 | | | NM |
| | 05/22/07 | | | | 5.49 | | | NM |
| | 08/14/07 | | | | 6.10 | | | NM |
| | 11/01/07 | | | | 5.85 | | | NM |
| | 01/30/08 | | | | 4.94 | | | NM |
| MM | 05/12/08 | NC | F 10 | | 1.40 | | | NM |
| MW-26 | 08/06/08 | NS | 5-10 | | 6.20 | | | NM |
| | 11/05/08 | | | | 5.34 | | | NM |
| | 02/16/09 | | | | 4.89 | | | NM |
| | 05/18/09 | | | | 2.87 | | | NM |
| | 08/03/09 | | | | 5.34 | | | NM |
| | 11/04/09 | | | | 3.57 | | | NM |
| | 02/02/10 | | - | | 3.10 | | | NM |
| - | 05/19/10 | | | | 4.29 | | | NM |
| | 07/19/16 | | | | ı | Not Found/De | estroyed | • |

NOTES:

ND - Not Detected NM - Not Measured

NA - Not Applicable UNK - Unknown

NS - Not Surveyed

Tables Page 6 of 6

(All results reported in parts per million)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Sampled | Nickel (Total) | Fluoride | Nitrate | Nitrite | Trichlorethene | cis-1,2-DCE | trans-1,2- DCE | 1,1-DCE | Vinyl Chloride |
|---------|-----------------|-------------------|----------|---------|---------|----------------|-------------|-------------------|---------|-------------------|
| | 03/09/06 | 3.04 | 110 | 49 | <0.25 | <0.005 | | | | |
| | 06/07/06 | 3.28 | 92 | 57 | <0.25 | < 0.005 | | | | |
| | 09/08/06 | 3.49 | 130 | 64 | < 0.25 | < 0.005 | | | | |
| | 11/29/06 | 3.95 | 110 | 67 | < 0.25 | < 0.005 | | | | |
| | 05/21/07 | 3.59 | 120 | 65 | | < 0.005 | | | | |
| | 08/14/07 | 3.65 | 130 | 65 | | < 0.005 | | | | |
| | 11/01/07 | 4.11 | 150 | 81 | | < 0.005 | | | | |
| | 01/30/08 | 4.22 | 84 | 71 | | < 0.005 | | | | |
| | 05/12/08 | 2.96 | 100 | 57 | | < 0.005 | | | | |
| MW-1 | 08/06/08 | 2.93 | 110 | 54 | | < 0.005 | | | | |
| | 11/05/08 | 3.19 | 130 | 69 | | < 0.005 | | | | |
| | 02/16/09 | 2.80 | 81 | 58 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 05/18/09 | 2.28 | 51 | 49 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 08/03/09 | 2.15 | 59 | 42 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 11/04/09 | 1.55 | 61 | 33 | | < 0.005 | < 0.005 | <0.005 | < 0.005 | < 0.002 |
| | 11/04/09 | 1.55 | 61 | 33 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 02/01/10 | 1.51 | 23 | 14 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 05/18/10 | 1.17 | 56 | 25 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 07/20/16 | 0.450 | 32.3 | NA | NA | NA | NA | NA | NA | NA |
| | 03/09/06 | 1.42 | 40 | 8.4 | < 0.25 | 0.015 | | | | |
| | 06/07/06 | 1.44 | 51 | 8.0 | <0.25 | 0.015 | | | | |
| | 09/07/06 | 1.01 | 63 | 9.7 | <0.25 | 0.021 | | | | |
| | 11/29/06 | 1.28 | 39 | 11.0 | < 0.25 | 0.030 | | | | |
| | 05/21/07 | 1.06 | 28 | 7.8 | | 0.025 | | | | |
| | 08/14/07 | 1.00 | 43 | 7.9 | | 0.023 | | | | |
| | 11/01/07 | 1.05 | 58 | 9.3 | | 0.018 | | | | |
| | 01/30/08 | 1.05 | 27 | 8.0 | | 0.034 | | | - | |
| | 05/12/08 | 0.783 | 29 | 3.9 | | 0.020 | | | | |
| MW-2 | 08/06/08 | 0.785 | 35 | 5.2 | | 0.021 | | | - | |
| | 11/05/08 | 0.818 | 46 | 6.3 | | 0.033 | | | | |
| | 02/16/09 | 0.850 | 39 | 6.2 | | 0.028 | < 0.005 | <0.005 | < 0.005 | <0.002 |
| | 05/18/09 | 0.798 | 20 | 3.6 | | 0.016 | < 0.005 | <0.005 | < 0.005 | < 0.002 |
| | 08/03/09 | 0.839 | 30 | 4.3 | | 0.017 | < 0.005 | <0.005 | < 0.005 | < 0.002 |
| | 11/04/09 | 0.816 | 37 | 2.9 | | 0.019 | <0.005 | <0.005 | < 0.005 | <0.002 |
| | 02/01/10 | 0.887 | 36 | 2.6 | | 0.019 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 05/18/10 | 0.819 | 30 | 3.9 | | 0.012 | <0.005 | <0.005 | <0.005 | <0.002 |
| | 05/18/10 | 0.826 | 32 | 3.9 | | 0.012 | <0.005 | <0.005 | < 0.005 | <0.002 |
| | 07/20/16 | 0.698 | 22.4 | NA | NA | 0.00618 | <0.001 | <0.001 | <0.001 | <0.001 |

Tables Page 1 of 8

(All results reported in parts per million)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Sampled | Nickel (Total) | Fluoride | Nitrate | Nitrite | Trichlorethene | cis-1,2-DCE | trans-1,2- DCE | 1,1-DCE | Vinyl Chloride |
|---------|-----------------|-------------------|----------|---------|---------|----------------|-------------|-------------------|---------|-------------------|
| | 03/09/06 | 1.42 | 32 | 23 | <0.25 | < 0.005 | | | | |
| | 06/06/06 | 1.50 | 31 | 25 | < 0.25 | < 0.005 | | | | |
| | 09/06/06 | 2.21 | 43 | 37 | < 0.25 | < 0.005 | | | | |
| | 11/29/06 | 2.38 | 38 | 36 | < 0.25 | < 0.005 | | | | |
| | 05/22/07 | 1.82 | 38 | 27 | | < 0.005 | | | | |
| | 08/14/07 | 1.48 | 41 | 21 | | | | | | |
| | 11/01/07 | 1.68 | 38 | 23 | | | | | | |
| | 01/30/08 | 1.90 | 19 | 19 | | | | | | |
| MW-3 | 05/12/08 | 0.95 | 20 | 14 | | | | | | |
| 10100-3 | 08/06/08 | 1.69 | 47 | 26 | | | | | | |
| | 11/05/08 | 1.73 | 49 | 25 | | | | | | |
| | 02/16/09 | 1.60 | 41 | 22 | | | | | | |
| | 05/18/09 | 0.47 | 5.6 | 7.3 | | | | | | |
| | 08/03/09 | 1.26 | 16 | 18 | | | | | | |
| | 11/04/09 | 0.47 | 13 | 6.7 | | | | | | |
| | 02/01/10 | 0.45 | 6.1 | 7.5 | | | | | | |
| | 05/18/10 | 0.39 | 8.8 | 9.9 | | | | | | |
| | 07/20/16 | 0.869 | 24.2 | NA | NA | NA | NA | NA | NA | NA |
| | 03/10/06 | 9.19 | 230 | 110 | < 0.25 | < 0.005 | | | | |
| | 06/06/06 | 6.69 | 180 | 90 | < 0.25 | <0.005 | | | | |
| | 09/06/06 | 8.26 | 190 | 110 | <0.25 | <0.005 | | | | |
| | 11/29/06 | 9.14 | 180 | 110 | < 0.25 | <0.005 | | | | |
| | 05/21/07 | NS | NS | NS | | NS | | | | |
| | 08/14/07 | NS | NS | NS | | NS | | | | |
| | 11/01/07 | NS | NS | NS | | NS | | | | |
| | 01/30/08 | NS | NS | NS | | NS | | | | |
| MW-4 | 05/12/08 | 5.27 | 150 | 76 | | <0.005 | | | | |
| 10100 4 | 08/06/08 | 4.36 | 180 | 70 | | <0.005 | | | | |
| | 11/05/08 | NS | NS | NS | | NS | | | | |
| | 02/16/09 | 4.50 | 190 | 70 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 |
| | 05/18/09 | 5.26 | 100 | 85 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 |
| | 08/03/09 | 3.37 | 120 | 50 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 |
| | 11/04/09 | 3.53 | 160 | 66 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 |
| | 02/01/10 | 3.05 | 87 | 44 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 |
| | 05/18/10 | 2.31 | 107 | 40 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 |
| | 07/20/16 | 4.84 | 182 | NA | NA | NA | NA | NA | NA | NA |

Tables Page 2 of 8

(All results reported in parts per million)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Sampled | Nickel (Total) | Fluoride | Nitrate | Nitrite | Trichlorethene | cis-1,2-DCE | trans-1,2- DCE | 1,1-DCE | Vinyl Chloride |
|---------|-----------------|-------------------|----------|---------|---------|----------------|-------------|-------------------|---------|-------------------|
| | 02/16/09 | 1.90 | 140 | 31 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 05/18/09 | 2.07 | 59 | 32 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 08/03/09 | 2.18 | 98 | 29 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| MW-4R | 11/04/09 | 2.15 | 120 | 29 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 02/01/10 | 2.24 | 120 | 37 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 05/18/10 | 1.98 | 90 | 23 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 |
| | 07/20/16 | 1.65 | 125 | NA | NA | NA | NA | NA | NA | NA |
| | 03/09/06 | 4.15 | 110 | 42 | < 0.25 | < 0.005 | | | | |
| | 06/06/06 | 4.22 | 110 | 44 | < 0.25 | < 0.005 | | | | |
| | 09/06/06 | 3.84 | 94 | 45 | < 0.25 | < 0.005 | | | | |
| | 11/29/06 | 4.68 | 100 | 53 | < 0.25 | < 0.005 | | | | |
| | 05/21/07 | 4.15 | 97 | 47 | | < 0.005 | | | | |
| | 08/14/07 | 3.17 | 87 | 34 | | | | | | |
| | 11/01/07 | 3.31 | 82 | 37 | | | | | | |
| | 01/30/08 | 3.20 | 62 | 29 | | | | | | |
| MW-5 | 05/12/08 | 2.71 | 60 | 31 | | | | | | |
| 10100-5 | 08/06/08 | 3.24 | 82 | 40 | | | | | | |
| | 11/05/08 | 2.88 | 93 | 32 | | | | | | |
| | 02/16/09 | 4.70 | 130 | 53 | | | | | | |
| | 05/18/09 | 5.05 | 66 | 53 | | | | | | |
| | 08/03/09 | 3.97 | 77 | 44 | | | | | | |
| | 11/04/09 | 5.00 | 100 | 61 | | | | | | |
| | 02/01/10 | 5.93 | 77 | 46 | | | | | | |
| | 05/18/10 | 4.48 | 82 | 37 | | | | | | |
| | 07/20/16 | 2.18 | 93.2 | NA | NA | NA | NA | NA | NA | NA |

Tables Page 3 of 8

(All results reported in parts per million)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Sampled | Nickel (Total) | Fluoride | Nitrate | Nitrite | Trichlorethene | cis-1,2-DCE | trans-1,2- DCE | 1,1-DCE | Vinyl Chloride | | | |
|---------|-----------------|-------------------|------------|---------|---------|----------------|-------------|-------------------|---------|-------------------|--|--|--|
| MW-6 | 07/20/16 | 0.246 | 10.5 | NA | NA | NA | NA | NA | NA | NA | | | |
| MW-7 | | | | | | Well Abandoned | | | | | | | |
| MW-8 | | | | | | Well Abandoned | | | | | | | |
| MW-9 | | | | | | Well Abandoned | | | | | | | |
| MW-11 | 07/19/16 | 0.00131 (J) | 0.0253 (J) | NA | NA | NA | NA | NA | NA | NA | | | |
| | 03/08/06 | 1.27 | 56 | 27 | < 0.25 | < 0.005 | | | | | | | |
| | 06/07/06 | 1.24 | 53 | 26 | < 0.25 | < 0.005 | | | | | | | |
| | 09/07/06 | 1.27 | 61 | 32 | < 0.25 | < 0.005 | | | | | | | |
| | 11/30/06 | 1.56 | 44 | 31 | <0.25 | < 0.005 | | | | | | | |
| | 05/22/07 | 1.37 | 60 | 30 | | < 0.005 | | | | | | | |
| | 08/14/07 | 1.26 | 54 | 27 | | < 0.005 | | | - | | | | |
| | 11/01/07 | 1.43 | 42 | 35 | | < 0.005 | | | | | | | |
| | 01/30/08 | 1.48 | 24 | 30 | | < 0.005 | | | - | | | | |
| | 05/12/08 | 1.22 | 38 | 25 | | < 0.005 | | | | | | | |
| MW-12 | 08/06/08 | 1.26 | 50 | 28 | | < 0.005 | | | - | | | | |
| | 11/05/08 | 1.38 | 61 | 28 | | < 0.005 | | | | | | | |
| | 02/16/09 | 1.41 | 65 | 32 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 | | | |
| | 05/18/09 | 1.20 | 20 | 23 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 | | | |
| | 08/03/09 | 1.13 | 33 | 24 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 | | | |
| | 11/04/09 | 1.04 | 45 | 23 | | < 0.005 | < 0.005 | < 0.005 | <0.005 | < 0.002 | | | |
| | 02/02/10 | 0.929 | 30 | 13 | | < 0.005 | <0.005 | < 0.005 | < 0.005 | < 0.002 | | | |
| | 02/02/10 | 0.950 | 40 | 13 | | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.002 | | | |
| | 05/19/10 | 0.700 | 29 | 12 | | <0.005 | <0.005 | <0.005 | <0.005 | <0.002 | | | |
| | 07/20/16 | 0.360 | 34.1 | NA | NA | NA | NA | NA | NA | NA | | | |

Tables Page 4 of 8

(All results reported in parts per million)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Sampled | Nickel (Total) | Fluoride | Nitrate | Nitrite | Trichlorethene | cis-1,2-DCE | trans-1,2- DCE | 1,1-DCE | Vinyl Chloride |
|----------|-----------------|--|----------|---------|---------|--------------------|-------------|-------------------|---------|-------------------|
| | 03/09/06 | < 0.0200 | 0.65 | < 0.25 | < 0.25 | < 0.005 | | | | |
| | 06/07/06 | ed (Total) Fluoride Nitrate 06 <0.0200 | < 0.25 | < 0.005 | | | | | | |
| | 09/07/06 | < 0.0200 | 0.51 | < 0.25 | < 0.25 | < 0.005 | | | | |
| | 11/30/06 | < 0.0200 | 0.36 | <0.25 | < 0.25 | < 0.005 | | | | |
| MW-12D | 05/22/07 | <0.0200 | 2.3 | <0.25 | | < 0.005 | | | | |
| | 01/31/08 | <0.0200 | <0.20 | < 0.25 | | | | | | |
| | 02/17/09 | <0.0200 | 0.29 | <0.25 | | | | | | |
| | 02/02/10 | <0.0200 | 0.25 | <0.25 | | | | | | |
| | 07/19/16 | 0.00121 (J) | 0.372 | NA | NA | NA | NA | NA | NA | NA |
| | 03/08/06 | < 0.0200 | <0.20 | <0.25 | < 0.25 | < 0.005 | | | | |
| | 06/08/06 | <0.0200 | <0.20 | <0.25 | < 0.25 | < 0.005 | | | | |
| | 09/07/06 | < 0.0200 | <0.20 | <0.25 | < 0.25 | < 0.005 | | | | |
| | 11/30/06 | < 0.0200 | 1.4 | <0.25 | < 0.25 | < 0.005 | | | | |
| | 05/22/07 | <0.0200 | 0.25 | <0.25 | | < 0.005 | 0.005 | | | |
| | 08/14/07 | <0.0200 | <0.20 | < 0.25 | | < 0.005 | | | | |
| MW-13 | 11/01/07 | < 0.0200 | 0.53 | <0.25 | | < 0.005 | | | | |
| 10100-13 | 01/31/08 | < 0.0200 | <0.20 | <0.25 | | < 0.005 | | | | |
| | 05/13/08 | <0.0200 | <0.20 | < 0.25 | | < 0.005 | | | | |
| | 08/07/08 | < 0.0200 | 0.36 | <0.25 | | < 0.005 | | | | |
| | 11/06/08 | <0.0200 | <0.20 | < 0.25 | | < 0.005 | | | | |
| | 02/17/09 | < 0.0200 | 0.21 | <0.25 | | < 0.005 | < 0.005 | < 0.005 | <0.005 | < 0.002 |
| | 02/02/10 | <0.0200 | 0.90 | <0.25 | | < 0.005 | < 0.005 | < 0.005 | <0.005 | < 0.002 |
| | 07/19/16 | 0.00572 | 0.154 | NA | NA | NA | NA | NA | NA | NA |
| MW-14 | 07/19/16 | | | | | Destroyed/Not Four | nd | | | • |
| MW-15 | 07/19/16 | | | | | Destroyed/Not Four | nd | | | |
| MW-16 | 07/19/16 | | | | | Destroyed/Not Four | | | | |
| MW-17 | 07/19/16 | | | | | Destroyed/Not Four | nd | | | |

Tables Page 5 of 8

(All results reported in parts per million)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Sampled | Nickel (Total) | Fluoride | Nitrate | Nitrite | Trichlorethene | cis-1,2-DCE | trans-1,2- DCE | 1,1-DCE | Vinyl Chloride |
|----------|-----------------|-------------------|---------------------|---------|---------|-------------------|-------------|-------------------|---------|-------------------|
| | 03/07/06 | < 0.0200 | 0.44 | 1.5 | < 0.25 | < 0.005 | | | | |
| | 06/06/06 | 0.089 | 3.2 | 1.6 | < 0.25 | < 0.005 | | | | |
| | 09/06/06 | 0.145 | 6.8 | 4.6 | <0.25 | < 0.005 | | | | |
| | 11/30/06 | 0.165 | 6.7 | 3.2 | < 0.25 | < 0.005 | | | | |
| MW-18 | 05/21/07 | 0.146 | 7.5 | 1.5 | | < 0.005 | | | | |
| | 01/30/08 | 0.303 | 7.4 | 4.2 | | | | | | |
| | 02/16/09 | 0.110 | 3.2 | <2.5 | | | | | | |
| | 02/01/10 | < 0.0200 | 0.46 | 0.61 | | | | - | | |
| | 07/20/16 | 0.0461 | 1.71 | NA | NA | NA | NA | NA | NA | NA |
| MW-19 | 07/19/16 | | Destroyed/Not Found | | nd | | | | | |
| | 03/08/06 | 0.322 | 12 | 4.5 | < 0.25 | < 0.005 | | - | | |
| | 06/08/06 | 0.651 | 20 | 14 | < 0.25 | < 0.005 | | | | |
| | 09/07/06 | NS | NS | NS | NS | NS | | | | |
| | 11/30/06 | 0.241 | 19 | 9.9 | <0.25 | < 0.005 | | | | |
| | 05/21/07 | NS | NS | NS | | NS | | | | |
| | 08/14/07 | NS | NS | NS | | NS | | | | |
| | 11/01/07 | NS | NS | NS | | NS | | | | |
| | 01/31/08 | 0.936 | 24 | 16 | | | | | | |
| MW-20 | 05/12/08 | 0.428 | 10 | 6.2 | | | | | | |
| IVIVV-20 | 08/06/08 | NS | NS | NS | | | | | | |
| | 11/05/08 | 0.884 | 47 | 19 | | | | | | |
| | 02/17/09 | 0.670 | 28 | 14 | | | | | | |
| | 05/18/09 | 0.510 | 11 | 8.8 | | | | | | |
| | 08/03/09 | 0.763 | 28 | 19 | | | | | | |
| | 11/04/09 | 0.441 | 14 | 7.1 | | | | | | |
| | 02/02/10 | 0.279 | 8.5 | 2.9 | | | | | | |
| | 05/19/10 | 0.307 | 9 | 5.4 | | | | | | |
| | 07/19/16 | | | | | estroyed/Not Four | nd | | • | • |

Tables Page 6 of 8

(All results reported in parts per million)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| MW-22 07/19 MW-23 07/19 MW-23 Dup. 07/19 03/09 06/00 12/00 MW-24 05/22 01/30 02/01 | 7/19/16 7/19/16 7/19/16 7/19/16 7/19/16 7/19/16 7/09/06 7/08/06 7/08/06 7/01/06 7/22/07 7/30/08 | 0.00160 (J) 0.00173 (J) 0.085 0.074 <0.0200 0.045 | 0.0173 (J) 0.0175 (J) 3.5 0.48 | NA NA 1.3 | | | nd | | | | | | |
|--|--|--|--|--|--------|---------|---------|---------|---------|---------|--|--|--|
| MW-23 07/19 MW-23 Dup. 07/19 03/09 06/00 09/00 12/0 MW-24 05/22 01/30 02/10 02/00 | 7/19/16 7/19/16 8/09/06 8/08/06 8/08/06 8/01/06 8/22/07 | 0.00173 (J) 0.085 0.074 <0.0200 | 0.0175 (J) NA NA <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 | | | | | | | | | | |
| MW-23 Dup. 07/19 03/09 06/00 09/00 12/0 MW-24 05/22 01/30 02/10 02/00 | 7/19/16 7/09/06 7/08/06 7/08/06 7/01/06 7/22/07 | 0.00173 (J) 0.085 0.074 <0.0200 | 0.0175 (J) 3.5 0.48 | NA | | <0.001 | | | | | | | |
| 03/09 06/00 09/00 12/0 MW-24 05/23 01/30 02/10 02/00 | 6/09/06 6/08/06 6/08/06 6/01/06 6/22/07 | 0.085 0.074 <0.0200 | 3.5 0.48 | 73 (J) 0.0175 (J) NA NA <0.001 <0.001 <0.0 | | | | | | | | | |
| 06/06 09/06 12/0 MW-24 05/23 01/36 02/16 02/06 | 6/08/06 6/08/06 6/01/06 6/22/07 | 0.074 <0.0200 | 0.48 | 1.3 | | <0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | | | |
| 09/00 12/0 MW-24 05/2: 01/30 02/10 02/0 | 0/08/06 0/01/06 0/22/07 | <0.0200 | | | | < 0.005 | | | - | | | | |
| MW-24 05/2: 01/3(02/1) 02/0 | 2/01/06 5/22/07 | | | | | | | | 1 | | | | |
| MW-24 05/22 01/30 02/10 02/0 | /22/07 | 0.045 | | | | | | | - | | | | |
| 01/30 02/10 02/0 | | | | | < 0.25 | | | | - | | | | |
| 02/10 02/0 | /30/08 | 0.079 | 0.41 | 0.61 | | < 0.005 | | | - | | | | |
| 02/0 | | 0.095 | | | | | | | - | | | | |
| | /16/09 | 0.091 | 5.6 | <2.5 | | | | | 1 | | | | |
| 07/19 | /01/10 | 0.065 | 0.36 | 2.3 | | | | | - | | | | |
| | 7/19/16 | | | | | | nd | | | | | | |
| 03/08 | 8/08/06 | 0.302 | 5.8 | | < 0.25 | < 0.005 | | | I | | | | |
| | 5/07/06 | 0.328 | - | 7.3 | | < 0.005 | | | | | | | |
| 09/0 | /07/06 | 0.272 | 7.3 | 9.6 | < 0.25 | < 0.005 | | | | | | | |
| 11/30 | /30/06 | 0.399 | 5.0 | 8.8 | < 0.25 | < 0.005 | | | | | | | |
| 05/22 | /22/07 | 0.318 | 6.3 | 7.3 | | < 0.005 | | | | | | | |
| 08/14 | /14/07 | 0.353 | 9.9 | 8.0 | | | | | | | | | |
| 11/0 | /01/07 | 0.408 | 7.6 | 8.9 | | | | | | | | | |
| 01/3 | /31/08 | 0.571 | 6.6 | 12 | | | | | | | | | |
| MW-25 05/12 | /12/08 | 0.221 | 3.7 | 3.1 | | | | | - | | | | |
| 08/00 | /06/08 | 0.304 | 6.4 | 6.9 | | | | | | | | | |
| 11/0 | /05/08 | 0.371 | 8.2 | 9.5 | | | | | | | | | |
| 02/1 | /17/09 | 0.308 | 9.2 | 7.1 | | | | | | | | | |
| 05/18 | /18/09 | 0.267 | 4.5 | 5.0 | | | | | | | | | |
| 08/03 | /03/09 | 0.375 | 7.1 | 9.9 | | | | | | | | | |
| 11/04 | /04/09 | 0.247 | 5.0 | 4.5 | | | | | | | | | |
| 02/02 | /02/10 | 0.199 | 4.2 | 2.5 | | | | | | | | | |
| 05/19 | /19/10 | 0.190 | 5.4 | 3.1 | | | | | | | | | |
| 07/19 | | Destroyed/Not Found | | | | | | | | | | | |

Tables Page 7 of 8

(All results reported in parts per million)

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Sampled | Nickel (Total) | Fluoride | Nitrate | Nitrite | Trichlorethene | cis-1,2-DCE | trans-1,2- DCE | 1,1-DCE | Vinyl Chloride |
|----------------|-----------------|-------------------|----------|---------|---------|--------------------|-------------|-------------------|---------|-------------------|
| | 03/08/06 | 0.110 | 0.95 | 3.2 | < 0.25 | < 0.005 | | | | |
| | 06/07/06 | 0.165 | 1.2 | 4.1 | < 0.25 | < 0.005 | | | | |
| | 09/07/06 | <0.0200 | 1.7 | <0.25 | < 0.25 | < 0.005 | | | | |
| | 11/30/06 | 0.085 | 1.4 | 1.6 | < 0.25 | < 0.005 | | | | |
| | 05/22/07 | 0.116 | 0.73 | 3.2 | | < 0.005 | | | | |
| | 08/14/07 | 0.092 | 0.57 | 1.2 | | | | | | |
| | 11/01/07 | 0.106 | 1.1 | 1.6 | | | | | | |
| | 01/31/08 | 0.233 | 0.81 | 8.2 | | | | | | |
| MANA/ OC | 05/12/08 | 0.087 | 1.3 | 0.94 | | | | - | | |
| MW-26 | 08/06/08 | 0.097 | 0.70 | 0.57 | | | | | | |
| | 11/05/08 | 0.106 | 0.82 | 0.88 | | | | | | |
| | 02/17/09 | 0.094 | 0.78 | 1.7 | | | | | | |
| | 05/18/09 | 0.092 | 1.6 | 1.7 | | | | | | |
| | 08/03/09 | 0.088 | 0.83 | 0.57 | | | | | | |
| | 11/04/09 | 0.090 | 1.4 | <0.25 | | | | | | |
| | 02/02/10 | 0.052 | 0.49 | 0.40 | | | | | | |
| | 05/19/10 | 0.101 | 0.71 | 0.51 | | | | | | |
| | 07/19/16 | | | | | Destroyed/Not Four | nd | | | • |
| Risk-Reduction | on Standards | • | • | • | | | · | | · | • |
| Туре | 1/3 | 0.10 | 4.0 | 0.25 | 0.25 | 0.005 | NA | 0.1 | 0.007 | 0.002 |
| Тур | e 2 | 0.31 | 4.4 | 25 | 1.6 | 0.005 | NA | 0.1 | 0.007 | 0.002 |
| Тур | e 4 | 2.0 | 12.2 | 164 | 10.00 | 0.005 | NA | 0.1 | 0.007 | 0.002 |

Notes:

NR = Not Reported

NA = Not Analyzed

NS = Not Sampled due to well being dry

All data before July 19, 2016, was provided by others. Bold values indicate concentration exceeds applicable RRS.

cis-1,2-DCE = cis-1,2-dichloroethene trans-1,2-DCE = trans-1,2-dichloroethene 1,1-DCE = 1,1-dichloroethene Risk Reduction Standards (RRS)

Type 1 = RRS will pose no significant risk on the basis of standardized exposure assumptions and defined risk level for residential properties.

Type 2 = RRS will pose not significant risk on the basis of site-specific risk

assessment for residential properties

Type 3 = RRS will pose no significant risk on the basis of standardized exposure assumptions and defined risk level for non-residential properties.

Type 4 = RRS will pose no significant risk on the basis of site-specific risk

assessment for non-residential properties.

Tables Page 8 of 8

| Well ID | Date | Turbidity | pH (SU) | Sp. Cond. | Temp. (deg. |
|---------|----------|-----------|----------|-----------|-------------|
| Well ID | Measured | (NTU) | pri (30) | (µs/cm) | C) |
| | 03/09/06 | 4.7 | 4.54 | 407 | 17.1 |
| | 06/07/06 | 1.1 | 4.34 | 455 | 18.9 |
| | 09/08/06 | 3.1 | 4.17 | 498 | 19.3 |
| | 11/29/06 | 4.6 | 4.46 | 524 | 18.8 |
| | 05/21/07 | 1.2 | 3.61 | 487 | 18.4 |
| | 08/14/07 | 1.6 | 3.85 | 512 | 19.8 |
| | 11/01/07 | 2.1 | 3.82 | 524 | 19.2 |
| | 01/30/08 | 5.1 | 4.16 | 564 | 16.1 |
| MW-1 | 05/12/08 | 0.3 | 4.62 | 413 | 16.7 |
| 10100-1 | 08/06/08 | 0.4 | 4.22 | 440 | 20.3 |
| | 11/05/08 | 0.2 | 4.29 | 473 | 19.1 |
| | 02/16/09 | 3.5 | 4.52 | 389 | 16.0 |
| | 05/18/09 | 1.6 | 4.16 | 352 | 16.2 |
| | 08/03/09 | 1.0 | 6.35 | 345 | 19.4 |
| | 11/04/09 | 3.2 | 5.11 | 258 | 20.1 |
| | 02/01/10 | 1.3 | 4.21 | 283 | 16.6 |
| | 05/18/10 | 2.8 | 4.44 | 253 | 19.0 |
| | 07/20/16 | 11.4 | 4.72 | 125 | 20.3 |
| | 03/08/06 | 3.2 | 4.92 | 155 | 16.3 |
| | 06/07/06 | 0.4 | 4.93 | 152 | 18.3 |
| | 09/07/06 | 0.8 | 4.93 | 154 | 19.2 |
| | 11/29/06 | 1.1 | 5.04 | 154 | 18.9 |
| | 05/21/07 | 0.3 | 4.08 | 119 | 18.0 |
| | 08/14/07 | 0.4 | 4.29 | 119 | 18.4 |
| | 11/01/07 | 0.7 | 4.20 | 113 | 19.5 |
| | 01/30/08 | 2.8 | 4.70 | 117 | 15.2 |
| MW-2 | 05/12/08 | 0.2 | 5.01 | 92 | 16.4 |
| 10100-2 | 08/06/08 | 0.5 | 4.11 | 97 | 19.8 |
| | 11/05/08 | 0.2 | 4.60 | 104 | 19.7 |
| | 02/16/09 | 3.6 | 4.84 | 92 | 15.2 |
| | 05/18/09 | 0.4 | 4.70 | 93 | 15.9 |
| | 08/03/09 | 1.4 | 6.05 | 115 | 19.7 |
| | 11/04/09 | 0.3 | 4.97 | 121 | 20.0 |
| | 02/01/10 | 0.3 | 5,17 | 181 | 14.6 |
| | 05/18/10 | 4.4 | 4.88 | 120 | 17.1 |
| | 07/20/16 | 9.5 | 5.04 | 92 | 19.4 |

| | Date | Turbidity | | Sp. Cond. | Temp. (deg. |
|---------|----------|-----------|---------|-----------|-------------|
| Well ID | Measured | (NTU) | pH (SU) | (µs/cm) | C) |
| | 03/09/06 | 2.6 | 4.64 | 217 | 17.4 |
| | 06/06/06 | 1.1 | 4.51 | 243 | 19.5 |
| | 09/06/06 | 1.2 | 4.02 | 329 | 19.3 |
| | 11/29/06 | 3.7 | 4.48 | 312 | 18.3 |
| | 05/22/07 | 0.8 | 3.64 | 247 | 17.7 |
| | 08/14/07 | 0.8 | 3.78 | 194 | 19.2 |
| | 11/01/07 | 0.8 | 3.85 | 168 | 19.2 |
| | 01/30/08 | 0.2 | 4.23 | 189 | 16.9 |
| MW-3 | 05/12/08 | 0.4 | 4.76 | 121 | 17.2 |
| 10100-3 | 08/06/08 | 0.7 | 4.14 | 220 | 20.6 |
| | 11/05/08 | 0.2 | 4.16 | 204 | 19.2 |
| | 02/16/09 | 0.7 | 4.35 | 167 | 17.5 |
| | 05/18/09 | 0.5 | 4.46 | 88 | 16.8 |
| | 08/03/09 | 0.5 | 6.19 | 191 | 19.2 |
| | 11/04/09 | 0.5 | 4.81 | 107 | 19.6 |
| | 02/01/10 | 0.9 | 5.07 | 121 | 16.4 |
| | 05/18/10 | 5.9 | 4.60 | 126 | 18.8 |
| | 07/20/16 | 6.6 | 4.52 | 165 | 19.8 |
| | 03/10/06 | 3.0 | 4.62 | 863 | 17.4 |
| | 06/06/06 | 3.6 | 4.63 | 717 | 19.8 |
| | 09/06/06 | 1.3 | 4.42 | 825 | 21.6 |
| | 11/29/06 | 1.1 | 4.73 | 831 | 18.5 |
| | 05/21/07 | NS | NS | NS | NS |
| | 08/14/07 | NS | NS | NS | NS |
| | 11/01/07 | NS | NS | NS | NS |
| | 01/30/08 | NS | NS | NS | NS |
| MW-4 | 05/12/08 | 0.5 | 4.70 | 581 | 16.7 |
| 10100-4 | 08/06/08 | 0.7 | 4.35 | 546 | 20.8 |
| | 11/05/08 | NS | NS | NS | NS |
| | 02/16/09 | 5.2 | 4.84 | 515 | 12.6 |
| | 05/18/09 | 2.4 | 4.45 | 735 | 16.7 |
| | 08/03/09 | 1.9 | 5.12 | 457 | 20.2 |
| | 11/04/09 | 6.5 | 4.78 | 495 | 17.9 |
| | 02/01/10 | 2.4 | 4.47 | 506 | 17.4 |
| | 05/18/10 | 4.9 | 4.59 | 474 | 18.0 |
| | 07/20/16 | 11.0 | 4.65 | 464 | 20.5 |

| Well ID | Date | Turbidity | pH (SU) | Sp. Cond. | Temp. (deg. |
|----------|----------|-----------|---------|-----------|-------------|
| | Measured | (NTU) | | (µs/cm) | C) |
| | 02/16/09 | 11.7 | 4.74 | 229 | 16.0 |
| | 05/18/09 | 5.7 | 4.62 | 266 | 17.1 |
| NAVA 4 D | 08/03/09 | 0.9 | 5.81 | 282 | 19.4 |
| MW-4R | 11/04/09 | 12.0 | 4.86 | 278 | 17.8 |
| | 02/01/10 | 2.1 | 4.57 | 284 | 17.2 |
| | 05/18/10 | 5.5 | 4.67 | 279 | 18.2 |
| | 07/20/16 | 25.2 | 4.97 | 221 | 19.8 |
| | 03/09/06 | 8.6 | 4.74 | 346 | 17.5 |
| | 06/06/06 | 6.2 | 4.66 | 339 | 19.3 |
| | 09/06/06 | 0.9 | 4.37 | 352 | 19.6 |
| | 11/29/06 | 1.0 | 4.77 | 358 | 18.4 |
| | 05/21/07 | 0.3 | 3.83 | 356 | 18.3 |
| | 08/14/07 | 0.2 | 3.90 | 276 | 18.3 |
| | 11/01/07 | 0.2 | 3.81 | 294 | 18.2 |
| | 01/30/08 | 0.7 | 4.14 | 316 | 13.7 |
| MW-5 | 05/12/08 | 0.2 | 4.62 | 233 | 17.1 |
| | 08/06/08 | 0.4 | 4.14 | 329 | 19.0 |
| | 11/05/08 | 0.3 | 4.39 | 254 | 18.1 |
| | 02/16/09 | 0.6 | 4.66 | 388 | 16.9 |
| | 05/18/09 | 1.3 | 4.07 | 398 | 16.4 |
| | 08/03/09 | 0.9 | 5.43 | 357 | 18.7 |
| | 11/04/09 | 0.4 | 4.65 | 441 | 17.9 |
| | 02/01/10 | 0.3 | 4.63 | 405 | 16.1 |
| | 05/18/10 | 1.9 | 4.40 | 415 | 17.4 |
| 104/0 | 07/20/16 | 19.7 | 4.52 | 226 | 20.9 |
| MW-6 | 07/20/16 | 2.4 | 4.51 | 45 | 20.2 |
| MW-11 | 07/19/16 | 5.0 | 4.79 | 46 | 25.4 |
| | 03/08/06 | 1.2 | 4.84 | 237 | 16.1 |
| | 06/07/06 | 0.3 | 4.60 | 231 | 19.3 |
| | 09/07/06 | 0.6 | 4.50 | 272 | 18.6 |
| | 11/30/06 | 0.7 | 4.93 | 268 | 17.8 |
| | 05/22/07 | 0.4 | 4.17 | 252 | 17.7 |
| | 08/14/07 | 4.1 | 4.07 | 228 | 17.0 |
| | 11/01/07 | 1.3 | 3.75 | 234 | 17.4 |
| | 01/31/08 | 1.5 | 4.73 | 234 | 14.6 |
| MW-12 | 05/13/08 | 0.6 | 4.91 | 211 | 14.7 |
| | 08/07/08 | 0.8 | 4.44 | 229 | 17.4 |
| | 11/05/08 | 0.5 | 4.49 | 233 | 17.1 |
| | 02/17/09 | 4.9 | 4.95 | 251 | 14.4 |
| | 05/18/09 | 2.9 | 4.45 | 195 | 15.0 |
| | 08/03/09 | 1.3 | 5.45 | 228 | 17.8 |
| | 11/04/09 | 1.1 | 4.62 | 189 | 17.3 |
| | 02/02/10 | 0.6 | 4.96 | 164 | 11.6 |
| | 05/19/10 | 0.8 | 4.59 | 162 | 14.5 |
| | 07/20/16 | 4.3 | 4.91 | 102 | 19.2 |

| Well ID | Date | Turbidity | »H (CII) | Sp. Cond. | Temp. (deg. |
|----------|----------|-----------|----------|-----------|-------------|
| Well ID | Measured | (NTU) | pH (SU) | (µs/cm) | C) |
| | 03/09/06 | 1.8 | 7.62 | 164 | 16.9 |
| | 06/07/06 | 1.7 | 7.38 | 164 | 19.1 |
| | 09/07/06 | 2.9 | 7.17 | 167 | 19.1 |
| | 11/30/06 | 1.8 | 7.56 | 166 | 17.3 |
| MW-12D | 05/22/07 | 1.4 | 6.90 | 153 | 18.4 |
| | 01/31/08 | 1.3 | 7.26 | 150 | 14.1 |
| | 02/17/09 | 2.3 | 7.46 | 159 | 12.4 |
| | 02/02/10 | 1.6 | 7.78 | 174 | 12.1 |
| | 07/19/16 | 8.6 | 7.72 | 152 | 18.7 |
| | 03/08/06 | 30.0 | 6.25 | 119 | 15.5 |
| | 06/08/06 | 36.0 | 6.21 | 144 | 19.1 |
| | 09/07/06 | 19.0 | 6.03 | 159 | 21.1 |
| | 11/30/06 | 48.0 | 6.24 | 193 | 18.6 |
| | 05/22/07 | 50.0 | 5.52 | 162 | 18.2 |
| | 08/14/07 | 177.0 | 5.29 | 89 | 21.3 |
| MW-13 | 11/01/07 | 13.0 | 5.03 | 86 | 17.6 |
| 10100-13 | 01/31/08 | 8.8 | 5.58 | 116 | 15.0 |
| | 05/13/08 | 61.9 | 6.00 | 61 | 15.9 |
| | 08/07/08 | 25.3 | 5.30 | 61 | 20.7 |
| | 11/06/08 | 18.2 | 5.48 | 84 | 16.9 |
| | 02/17/09 | 12.6 | 5.99 | 106 | 14.1 |
| | 02/02/10 | 21.5 | 5.56 | 41 | 11.4 |
| | 07/19/16 | 8.5 | 6.47 | 233 | 21.2 |
| | 03/07/06 | 2.3 | 4.89 | 43 | 18.9 |
| | 06/06/06 | 0.8 | 4.71 | 41 | 19.7 |
| | 09/06/06 | 0.9 | 4.69 | 66 | 22.9 |
| | 11/30/06 | 0.8 | 5.09 | 52 | 18.7 |
| MW-18 | 05/21/07 | 0.5 | 4.09 | 33 | 18.7 |
| | 01/30/08 | 0.4 | 4.52 | 55 | 16.5 |
| | 02/16/09 | 0.3 | 4.72 | 26 | 15.9 |
| | 02/01/10 | 0.5 | 5.02 | 30 | 15.4 |
| | 07/20/16 | 2.9 | 4.38 | 63 | 19.8 |
| MW-23 | 07/19/16 | 2.1 | 4.40 | 38 | 22.2 |

TABLE 4 SUMMARY OF PURGING DATA

Former Trent Tube Facility 141 Hammond Street Carrollton, Carroll County, Georgia GEPD Facility ID HSI-10604

| Well ID | Date Purged | Purge Rate (GPM) | Purge Duration (min) | Purge Volume (gal) |
|---------|-------------|---------------------|----------------------------|--------------------------|
| MW-1 | 07/20/16 | 0.04 | 35 | 1.36 |
| MW-2 | 07/20/16 | 0.04 | 34 | 1.36 |
| MW-3 | 07/20/16 | 0.04 | 33 | 1.36 |
| MW-4 | 07/20/16 | 0.04 | 34 | 1.36 |
| MW-4R | 07/20/16 | 0.05 | 57 | 2.85 |
| MW-5 | 07/20/16 | 0.04 | 34 | 1.36 |
| MW-6 | 07/20/16 | 0.04 | 34 | 1.36 |
| MW-11 | 07/19/16 | 0.04 | 34 | 1.37 |
| MW-12 | 07/20/16 | 0.04 | 46 | 1.84 |
| MW-12D | 07/19/16 | 0.05 | 87 | 4.35 |
| MW-13 | 07/19/16 | 0.04 | 52 | 2.08 |
| MW-18 | 07/20/16 | 0.04 | 34 | 1.36 |
| MW-23 | 07/19/16 | 0.04 | 88 | 3.60 |

Notes:

GPM: gallons per minute

min: minutes gal: Gallons

ATTACHMENT A

Sampling Logs

GROUNDWATER SAMPLING LOG

| SITE NAME: | For | mor t | rent T | inte | | SITE LOCATION: | 141 H | i ha k | - 1 5t | Calco | م الحام | n 64 | | |
|---------------------------|---|---|--|--|---------------------------|-------------------------------|--|-------------|--|---|----------------------|----------------------|--|-------|
| WELL NO: | | nw-1 | | SAMPL | | mw | | , , , , , | and st | DATE: | 7- | 70.16 | | |
| | | <u>, , , , , , , , , , , , , , , , , , , </u> | | <u>-</u> | PUR | GING DA | | | L | *************************************** | ···· | | | |
| WELL DIAMETER | R (inches): ユ | TUBIN | TER (inches): | DE DE | PTH: I a fe | N INTERVAL | TOV | VATE | EPTH R (feet): 14, / | 5 1 | PURGE OR BAI | E PUMP T | YPE PP | |
| WELL VOI (only fill ou | LUME PURGE: t if applicable) | 1 WELL VO | LUME = (TO = (| TAL WELL DE | | ATIC DEPTH | TO WATER) | Х | WELL CAPACI | TY | | | 194 gallons | |
| EQUIPME (only fill ou | NT VOLUME PO | JRGE: 1 EQI | JIPMENT VO | L. = PUMP VO | LUME + (TI | JBING CAPAC | ITY X | TU | BING LENGTH) | + FLOW | s/foot / CELL | | 17 gallons | |
| INITIAL DI | JMP OR TUBIN | <u> </u> | CINAL DI | = g | gallons + (| BUBON | ons/foot X | | feet) | + | T- | gallons | | |
| | WELL (feet): | (7,) | | WELL (feet): | 1G 17, | PURGII INITIAT | ED AT: 19 | 1:10 | PURGING ENDED AT: | 14:4 | 5 P | OTAL VOL URGED (9 | Jallons): 1.36 | |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pH (standard units) | TEMP. | COND. (circle uni µmhos/ci or µS/cr | ts) m | DISSOLVED OXYGEN (circle units) mg/L or % saturation | (NT | | COLO (describ | | ORP |
| 64:35 | 1.0 | 1.0 | 0.04 | 14.88 | 4.71 | 20.33 | 0-126 | | 1.62 | 12. | 4 | cle- | nord | 277. |
| 14:38 | | 1.12 | 0.04 | 14.90 | 4.72 | 20,30 | 0.125 | | 1.65 | 12.0 | ? | olein | nona | 275. |
| 14:42 | | 1.24 | 0.04 | 14.91 | 4.72 | 20.32 | 0.125 | | 1.66 | 11,50 | 2 | olen | . hone | 273.4 |
| 14545 | 0.12 | 1.36 | 0,07 | 14.91 | 4.72 | 20.33 | 0.125 | | 1.68 | 11.4 | <u> </u> | clerr | . hone | 274.7 |
| TUBING II | PACITY (Gallon NSIDE DIA, CAI EQUIPMENT (| PACITY (Gal./ | 0.75" = 0.02; Ft.): 1/8" = 0 3 = Bailer; | 1" = 0.04; 0.0006; 3/16 BP = Bladder | " = 0.0014; Pump; | 1/4" = 0.00 ESP = Electric | 26; 5/16" Submersible | = 0.0 | 04; 3/8" = 0. | | 1/2" = (| 0.010; | 12" = 5.88 5/8" = 0.016 ther (Specify) | |
| SAMPLEC | BY (PRINT) / A | | | SAMPLER(S | SAIVI SIGNATU | PLING DA | AIA | | SAMPLING | | | SAMPLIN | <u> </u> | |
| PUMP OR | TUBING | <u> </u> | | TUBING | M | 25 | T FI | ELD-F | INITIATED AT | | . 62 | ENDED A | | |
| | WELL (feet): CONTAMINATION | 17 ON: PUI | | MATERIAL (| CODE: TUBING | PC Y Nu | | | DUPLICATE: | | | (P) | | |
| | PLE CONTAINE | | | | | PRESERVATION | | | INTENDE | | | PLING | SAMPLE PUMP | ,- |
| 1 | # CONTAINERS | | | PRESERVA USED | TIVE | TOTAL VOL | FIN | AL. | 1 | ND/OR | EQUI | PMENT DDE | FLOW RATE (mL per minute) | |
| muel | 1 | RE | 250-C | HNOS | P | répresor. | 1 4 | 2_ | Nickel | | بمفر | pr | 125 ~~ | |
| mw.1 | 1 | p? | 250 ~~ | none | | Nans | NYs | | Fluori | de | Αγ | οp | 125~~ | |
| | | | | | | ******* | | | | | | | | - |
| | | | | | | | | | | | | | | |
| REMARKS | | | | | | | | | | | | | | _ |
| NEWANN | Tuj | ge Place | · wrth | m Some | en. 7 | included s | iliby his | ٨, ١ | Pump Slow. | as I c | onld. | | | |
| MATERIA | | | Glass; CG | = Clear Glass; | PE = Po | olyethylene; | PP = Polyp | ropyle | ne; S = Silico | ne; T | = Teflon | ; O = 0 | ther (Specify) | |
| SAMPLIN | G EQUIPMENT | | | eristaltic Pump se Flow Perist | | | Bladder Pui Method (Tu | | ESP = Electri Gravity Drain); | | rsible P ther (Sp | | | |

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

| SITE NAME: | For | mor 1 | rent t | иbc | | TE CATION: | 141 | Har | mmand st. | CAM | rollton, | 64 | |
|---------------------|---|---|------------------------|--|---------------------------|------------------------------|----------------------------|--------------------|--|-----------------------------|---------------------------|---------------------------------|------|
| WELL NO: | M | W-2 | | SAMPLE | ID: | m- | r. 2 | | | | 7.20.16 | | |
| | | | | | PURG | SING DA | ATA | | | | | * | _ |
| WELL VOL | | TUBING DIAME | TER (inches): | DEF | LL SCREEN TH: ") feet | to 77 feet | то | ATIC DI WATE | EPTH R (feet): リュ. Z WELL CAPACI | 6 OR | RGE PUMP T BAILER: | YPE PP | |
| Annalis CD | if applicable) | | | | | | | • | 0.16 | gallons/fo | ot = 0, | S/ gallons | |
| | IT VOLUME PU if applicable) | IRGE: 1 EQL | JIPMENT VOL | | .UME + (TUE allons + (| | ITY X ons/foot X | | BING LENGTH) feet) | | ELL VOLUME gallons | | |
| | MP OR TUBINO WELL (feet): | 3 15.20 | | MP OR TUBING WELL (feet): | 3 | | | | PURGING ENDED AT: | ···· | TOTAL VO | LUME / , , | 1 |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pH (standard units) | TEMP. | CONI (circle u µmhos | D. nits) /cm | DISSOLVED OXYGEN (circle units) mg/L or % saturation | TURBIDI (NTUs) | TY COLO | R ODOR | ores |
| 12:10 | 1.0 | 1.0 | 0.04 | 12.57 | 5.05 | 1919 | 0,09 | 2 | 3,35 | 11.7 | Cloren | none | 783 |
| 12:13 | 0.12 | 1.12 | 0.04 | 12.57 | 5.04 | 19.40 | 0,09 | | 3. 25 | 9.94 | C 6 x- | | 252. |
| 12:18 | 0,12 | 1.24 | 0.04 | 12.57 | 5, 34 | 19.38 | 0.09 | | 3 27 | 9.88 | Glan | | 781. |
| 12:15 | 0.12 | 1,34 | 0.04 | 12,57 | 5.04 | 19.37 | 0.09 | | 3.29 | 9.51 | clen | - no-r | 281 |
| | | 3 | | | | | | | | | | | |
| | | | | | | | | | | | | | 1 |
| | PACITY (Gallon | | | | | | | | | 5" = 1.02; | 6" = 1.47; | 12" = 5.88 | - |
| | ISIDE DIA. CAI EQUIPMENT C | | /Ft.): | .0006; 3/16 ¹ BP = Bladder | | 1/4" = 0.00 SP = Electric | | | | .006; 1/2 eristaltic Pun | 2" = 0.010; np; | 5/8" = 0.016 Other (Specify) | - |
| *** | *************************************** | | | | | LING D | | | | | . F. | | |
| SAMPLED | BY (PRINT) / A | FFILIATION: | | SAMPLER(S | | E(S): | • • • | | SAMPLING INITIATED AT | : 12:15 | SAMPLIN ENDED | NG AT: 12:24 | |
| PUMP OR DEPTH IN | TUBING WELL (feet): | 15.2 | | TUBING MATERIAL C | ODE: | R | | | FILTERED: Y on Equipment Typ | | FILTER S | SIZE: μm | |
| FIELD DEC | ONTAMINATIO | NUP :NC | AP Ø I | ١ | TUBING | YN | replaced) | | DUPLICATE: | Y | (ID) | | |
| SAMF SAMPLE | PLE CONTAINE | | | PRESERVAT | | RESERVATION TOTAL VOL | | INAL | INTENDE ANALYSIS AN | | SAMPLING QUIPMENT | SAMPLE PUMP FLOW RATE | |
| ID CODE | CONTAINERS | MATERIAL CODE | | USED | ADDE | ED IN FIELD | (mL) | pН | METHO | | CODE | (mL per minute) | _ |
| Mr. 2 | <u> </u> | 78 | 250 ml | µN03 | | nepresen | | <u> </u> | Mickel | | APP | 125mL | 4 |
| mw - Z | 7 | PE | 250ML | none | | None | | V/A | Plyon | | APY | 1250 | _ |
| mar 2 | 3 | CG | Yome | Hc) | Pr Pr | epreserva | 1 2 | こ | Noc 85 | .46 | 5 | <100~ | - |
| | | | | | | | | | | | | | |
| DEM S | | | | , | | | | | | | | | _ |
| REMARKS | Tube | Place | h, the | serce | ~ | | | | | | | | |
| MATERIAL | CODES: | AG = Amber | Glass; CG | = Clear Glass; | PE = Pol | yethylene; | PP = Pol | ypropyle | ene; S = Silico | ne; T=T | eflon; O = | Other (Specify) | 1 |
| SAMPLING | EQUIPMENT | | | eristaltic Pump | | | = Bladder F w Method (| | ESP = Electri Gravity Drain); | | ble Pump; er (Specify) | | |

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

GROUNDWATER SAMPLING LOG

| SITE NAME: | Forh | ner Ti | remail to | a be | | SITE | ATION: | 14 | 1 Hami | mond st, | حريب | 1-0 H | Han 6 | .Δ | • | 7 |
|----------------------------|-------------------------------|---|----------------------------------|------------------------------------|----------------------|-------------------|-----------------------|------------|---|--|----------------------|-----------------|--------------------|------------------|------------------------|-------|
| WELL NO: | | 1m 3 | | SAMPLE | ID: | | w-3 | | | | DATE: | 7 - | 20.16 | v= }— | | 1 |
| | | | | | PU | | NG DA | | | | | | | | | J |
| WELL DIAMETER | | , | TER (inches): | 7/4 DEF | TH: IS | feet to | TERVAL 25 feet | | STATIC D | R (feet): 19. | 64 6 | PURGI OR BA | E PUMP T | YPE | rp | |
| WELL VOL (only fill out | UME PURGE: if applicable) | 1 WELL VO | | TAL WELL DEF 24.4 | | | | | • | WELL CAPAC | | | | 76 | | |
| | NT VOLUME PU | JRGE: 1 EQI | UIPMENT VOI | = PUMP VOL | .UME + | (TUBIN | G CAPACI | ΤΥ | X TL | IBING LENGTI | gallons H) + FLOW | CELL | | | gallons | - |
| INITIAL DU | MD OD TUDIN | | FINAL DU | | allons + | (| | ns/fo | | | t) + | -1 - | gallons | | gallons | 4 |
| | MP OR TUBING WELL (feet): | 23,6 | | MP OR TUBING WELL (feet): | 23. | 6 | PURGIN INITIATE | ED AT | r: 9:50 | PURGING ENDED AT | | | OTAL VOI | |): 1.34 |] |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pH (stand unit | ard | TEMP. (°C) | (cir μn | COND. cle units) nhos/cm : µS/cm | DISSOLVED OXYGEN (circle units) mg/L or % saturation | TURBI (NTL | | COLO (describ | | ODOR (describe) | ORP |
| 9:55 | 1.0 | 1.0 | 0.04 | 20,06 | 9.53 | | 9,65 | | 166 | 1,24 | 11.0 | , | clear | | nont | 295.5 |
| 9:58 | 0.12 | 1.12 | 0.04 | 20,07 | | | 9.78 | | 165 / | 12S | | 9.55 den | | | man C | 290,6 |
| 10:01 | 0.12- | 1.29 | 0.04 | 20.08 | 4,5 | | 9.80 | | 165 | 1.23 | 8.29 | | Glear | _ | nor | 292.3 |
| 10:03 | 0.12 | 1.34 | 0.04 | 20,09 | 4.5 | 2/ | 9.79 | 0. | 165 | 1,22 | 6.61 | | cleu | | hone | 292.6 |
| TUBING IN | PACITY (Gallon | PACITY (Gal. | 0.75" = 0.02; /Ft.): 1/2" = 0 | .0006; 3/16 | ' = 0.00° | 14; 1 | /4" = 0.002 | 26; | 5/16" = 0.0 | 004; 3/8" = | | | = 1.47; 0.010; | 12" = 5/8" = | | |
| PURGING | EQUIPMENT C | ODES: I | B = Bailer, | BP = Bladder | | | | | nersible Pur | np; PP = 1 | Peristaltic P | ump; | 0 = 0 | ther (S | pecify) | J |
| SAMPLED | BY (PRINT) / A | | | SAMPLER(S |) SIGNA | | • | AIA | <u>\</u> | SAMPLING INITIATED | T. 1010 | <u>څ</u> | SAMPLIN ENDED A | IG / | 0:08 | 1 |
| PUMP OR DEPTH IN | | 23.1 | | TUBING MATERIAL C | | 1 | PV | | | FILTERED: | Y (N) | | FILTER S | | | |
| FIELD DE | CONTAMINATIO | ON: PUI | MP (A) | ٧ | TUBI | ING | Y N (10 | epląc | | DUPLICATE | | | 0 | | | 1 |
| SAM | PLE CONTAINE | R SPECIFIC | ATION | | SAMPL | LE PRE | SERVATIO | N | | INTEN | | | /PLING | | PLE PUMP | 1 |
| SAMPLE ID CODE | # CONTAINERS | MATERIAL CODE | VOLUME | PRESERVAT USED | | | TAL VOL IN FIELD (| | FINAL pH | ANALYSIS METH | | | IPMENT ODE | | OW RATE per minute) | |
| muuz | i | re | 250 W | 14003 | | | presoned | | <2 | Nickel | | -0 7 | pp | L | snl | |
| mw. 3 | 1 | Pe . | 2.50 mc | None | _ | <u>h</u> | lone | | N.A. | =1400. | de | ي مد | 9 | 12 | sml_ | - |
| | | | | | | | | | | | | ····· | | | | 1 |
| | | | | | | | | | | | | | | | | 1 |
| | *>* | | | | | | | | | | | | | | | |
| REMARKS | The. | e Plus | e with | m Scree | , | | | | | | | | | | | |
| MATERIAL | L CODES: | AG = Ambe | r, Glass; CG | = Clear Glass; | PE = | = Polyet | hylene; | PP = | Polypropyl | ene; S = Sili | cone; T= | Teflo | n; O = (| Other (| Specify) | 1 |
| SAMPLING | G EQUIPMENT | | | eristaltic Pump se Flow Perista | | = Bailer np; S | • | | der Pump; nod (Tubing | ESP = Elec Gravity Drain); | | | | | | |

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

| SITE NAME: | F | mo | Trent | Tubc | SIT LO | TE CATION: | 141 | Han | mond 51. | an ne | Itam ax | , | |
|---------------------------|-------------------------------|---|--|-------------------------------------|---------------------------|---------------------------|--------------|------------------------------------|--|-------------------------|---------------------------|--------------------------|----------|
| WELL NO: | | mw-4 | | SAMPLE | ID: | mw | Y | | ı | DATE: | 7.20.10 | | |
| | | | | | PURG | ING DA | TA | | | | | | - |
| WELL DIAMETER | (inches): "Z | TUBING DIAME | TER (inches): | 1/16 DEP | L SCREEN I TH: 15 feet | to ≥≤ feet | 1 | STATIC DE | R (feet): 21.5 | 6 OR | RGE PUMP TO BAILER: | YPE Pr | |
| WELL VOLU | JME PURGE: | 1 WELL VO | UME = (TOT | AL WELL DEP | | | O WAT | ER) X | WELL CAPACIT | Y | | FF / | |
| | | IRGE: 1 EQL | = (IIPMENT VOL | 15.25 . = PUMP VOL | feet - 2 UME + (TUB | ING CAPACI | TY f | feet) X X TUI | 0.16 BING LENGTH) | gallons/fo + FLOW CI | oot = (). ELL VOLUME | S← gallons | - |
| ` , | if applicable) | | | = ga | illons + (| gallo | ons/foot | х | feet) | + | gallons | = gallons | |
| INITIAL PUN DEPTH IN V | MP OR TUBING VELL (feet): | 3 23.5 | FINAL PUI DEPTH IN | MP OR TUBING WELL (feet): | 235 | PURGIN INITIATE | IG ED AT: | 18:45 | PURGING ENDED AT: | 19:19 | TOTAL VOL PURGED (9 | | |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pH (standard units) | TEMP. (°C) | (circle | OND. e units) os/cm iS/cm | DISSOLVED OXYGEN (circle units) mg/L or % saturation | TURBIDI (NTUs) | | | ORP |
| 19:10 | 1.0 | 1.0 | 0.04 | 22.70 | 4,70 | 20,47 | | 114 | 4.72 | 16.7 | c1c | - nona | 281.0 |
| 19:13 | 6.12 | 1.12 | 0.04 | 22.71 | 4,67 | 29.49 | | | 4.69 | 11,4 | close | none | 287.2 |
| 19:16 | 0.12 | 1.24 | 0.04 | 22.72 | 4.66 | 20.51 | 0.4 | | 4.71 | 10.5 | clen- | | 297.6 |
| 19:19 | 0,12 | 1,36 | 0.04 | 22.73 | 4.65 | 2a.52 | a.4 | 69 | 4.69 | 11.0 | c le-m | nome | 271.0 |
| | | · | - | - | | | | | | ····· | | | 1 |
| | | | | + | | | | | | | | | 1 |
| | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 14(5) 1 645 | A CITY (Called | - D 5W | 0.75% = 0.00 | 4" = 0.04: | 4.05" = 0.0 | S: 2" = 0.1 | 10. 31 | » = 0.27· | 4" = 0.65; 5 | 77 - 4 00 | 6" = 1.47; | 12" = 5.88 | _ |
| | | | | .0006; 3/16" | = 0.0014; | 1/4" = 0.002 | 26; 5 | 5/16" = 0.0 | 004; 3/8" = 0. | | | 5/8" = 0.016 | |
| PURGING I | EQUIPMENT C | ODES: E | B = Bailer; | BP = Bladder F | | SP = Electric | | rsible Pun | np; PP = Pe | ristaltic Pur | np; | ther (Specify) | ا |
| SAMPLED | BY (PRINT) / A | FFILIATION: | | SAMPLER(S) | SIGNATURI | E(S): | HIM | | SAMPLING | | SAMPLIN | IG // | 7 |
| 1 | | . Kn | | | Ab | By | | | INITIATED AT | | | 1G 19:24 | |
| PUMP OR | TUBING WELL (feet): | 73.3 | 5 | TUBING MATERIAL C | ODE: | PE | | | FILTERED: Y In Equipment Typ | ne: (N) | FILTER S | IZE:μm | |
| LD DEC | ONTAMINATIO | ON: PUI | AP (Ÿ) 1 | ٧ | TUBING | Y N(Ir | eplaced | y) | DUPLICATE: | Υ | (N ₂) | | |
| | PLE CONTAIN | | | | | RESERVATIO | N | | INTENDE ANALYSIS AN | | SAMPLING EQUIPMENT | SAMPLE PUMP FLOW RATE | |
| É Æ | # CONTAINERS | MATERIAL CODE | VOLUME | PRESERVAT USED | | TOTAL VOL D IN FIELD (| (mL) | FINAL pH | METHO | | CODE | (mL per minute) | |
| | 1 | Pb | 250mL | HN03 | Pm | epresoved | | <2 | Nickel | | rpp | 125 ml |] |
| ¥ | | PE | rsome | nanc | | ranc | | NIA | Fluorid | <u>e</u> | 1.00 | 125 ml | 1 |
| | · | | | | | | | | ļ | | | | - |
| | } | | | | | | | | | | | | \dashv |
| | \ | | | , | | | | | | | | | 1 |
| | 7 | hhe P | Vace : | Withins 3 | Scrept~ | | | | L | | | l | 1 |
| | , , , , | | | | | · | | · | | | | | |
| | , <u> </u> | AG = Amber | | = Clear Glass; | ····· | yethylene; | | olypropyle | | | | Other (Specify) | - |
| | `, | \ | RFPP = Reve | eristaltic Pump; se Flow Perista | Itic Pump; | SM = Straw | Method | | ESP = Electri Gravity Drain); | | ole Pump; er (Specify) | |] |
| | | a not cons | stitute all of | the informat | ion require | ed by Chan | ter 62- | 160 F A | C | | | | |

PRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

perature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

| SITE NAME: | For | mor t | rent T | hi-li | | SITE LOCATION: | 14 | 1 4 | larmon si | i, C | nr | Mon , | CA . | |
|---|-------------------------------|---|------------------------|------------------------------------|---------------------------|------------------------------|--------------|---------------------------------------|--|-------------------|---------------|----------------------|--------------------------------|----------|
| WELL NO: | in | 1W-42 | rent T | SAMPLE | | mw.L | 1 K | | lammon st | DATE: | 7. | 20-16 | | 7 |
| | | | | | PUR | GING DA | TA | | | | | | | |
| WELL DIAMETER | | | TER (inches): | DEF | PTH: fe | N INTERVAL et to feet | l | STATIC D | ER (feet): ZG 🗸 | ' ' | URGE OR BA | E PUMP TY | PE PP | |
| | UME PURGE: if applicable) | 1 WELL VO | - | | | | IO WA | TER) X | WELL CAPACI | TY | | | | |
| | NT VOLUME PU | IRGE: 1 EQI | = (JIPMENT VOL | 34.85 = PUMP VOL | feet .UME + (Tl | JBING CAPAC | ITY | feet) X X TU | 0.76 JBING LENGTH) | gallons + FLOW | foot CELL | VOLUME | SA gallon | 3 |
| | if applicable) | | | | allons + (| galle | ons/foo | t X | feet) | + | | gallons : | = gallon | <u>.</u> |
| INITIAL PU DEPTH IN | MP OR TUBINO | 25.0 | | MP OR TUBINO WELL (feet): | 29.0 | PURGIN INITIAT | NG ED AT: | 17:25 | PURGING ENDED AT: | 1802 | 2 T | OTAL VOL URGED (g | UME 2.83 | 5 |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pH (standard units) | TEMP. | (circ | OND. le units) hos/cm μS/cm | DISSOLVED OXYGEN (circle units) mg/L or % saturation | TURBII (NTU | | COLOI (describ | 1 | ORP |
| 18:13 | 2.40 | 2.40 | 0.05 | 21,30 | 4.99 | 19.80 | 0. | 221 | 1.60 | 27.3 | | Clem | none | 2241 |
| 19:16 | 0,15 | 2.55 | کو.ه | 21.30 | 4.78 | 19.78 | + | 221 | 1.57 | 25.4 | | ctor | none | 222 |
| 10.7 To the state of the state | | | | | | | | | | | | 227. | | |
| 13:22 | 0,15 | 2.85 | 0.05 | 21.30 | 1.97 | 19.75 | 0. 6 | 22 1 | 1.55 | 25.2 | | Gleen | - hone | ≥27,6 |
| 227.6 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | _ |
| | | | | | <u></u> | | | | | ļ | | | | _ |
| | | | | | <u> </u> | | - | ····· | | | | <u> </u> | | _ |
| | PACITY (Gallon | | | | | | | 3" = 0.37; | | 5" = 1.02; | | = 1.47; | 12" = 5.88 | _ |
| | NSIDE DIA. CAI EQUIPMENT C | | 3 = Bailer; | BP = Bladder I | | ESP = Electric | | 5/16" = 0. ersible Pu | | eristaltic P | | | 5/8" = 0.016 ther (Specify) | |
| | | | | | | PLING D | ATA | | | | | | | |
| SAMPLED | BY (PRINT) / A | FFILIATION: 以、 いー | | SAMPLER(S) | | RE(S): | | | SAMPLING INITIATED AT | Γ: | | SAMPLIN ENDED A | G 18:27 | |
| PUMP OR DEPTH IN | TUBING WELL (feet): | 23.0 | | TUBING MATERIAL C | | O. | | | -FILTERED: Y | | | FILTER S | IZE:μm | |
| | CONTAMINATIO | ON: PUI | MP (P) | N | TUBING | Y M | eplace | | DUPLICATE: | | (| N. | | |
| <u> </u> | PLE CONTAINE | | | | | PRESERVATION | МС | | INTENDE ANALYSIS AI | | | IPLING | SAMPLE PUM FLOW RATE | |
| SAMPLE ID CODE | # CONTAINERS | MATERIAL CODE | VOLUME | PRESERVAT USED | | TOTAL VOL DED IN FIELD | (mL) | FINAL pH | METHO | . 1 | | ODE | (mL per minut | . ; |
| mucyx | | PE | 2 Same | 4403 | P, | represerval | | <u> </u> | Nickel | | AF | 7 | 125 mg/c | |
| mwyk | - 1 | re | ~San- | hone | | none | | MA | Huorida | e | AM | P | 125 ml | |
| | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | _ |
| | | | | | | | | | | | | | | _ |
| | | | | , | | | | | | | · | | | |
| REMARKS | S: | luce to | ibra in | midle o | & 20c | eb, 430 | but | Fort F | for botune | metho | -A | | | |
| MATERIA | | Tarnb. | Als 5/45 | 134 High | 1 Pm | ge 5/2 | As | I a | and of | | | | Other (Cresife) | _ |
| MATERIA | L CODES: G EQUIPMENT | AG = Amber | | = Clear Glass; eristaltic Pump; | | olyethylene; Bailer; BP : | | Polypropy ler Pump; | lene; S = Silico ESP = Electr | | Teflo | | Other (Specify) | \dashv |
| | | | | rse Flow Perista | | | | | Gravity Drain); | O = Ot | | | | |

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

GROUNDWATER SAMPLING LOG

| SITE NAME: | Former | Trent | Tube | SI LC | CATION: | 141 1 | Hamnon St | , cany | allton, 6 | 12. |
|---|----------------------------|-----------------------------------|------------------------------------|------------------------------|-------------------------------|---|--|---------------------------------------|--------------------------|--|
| VELL NO: | Former MW-5 | | SAMPLE | ID: | mw-5 | | | DATE: プ | | |
| | | | | PURG | ING DA | TA | | · · · · · · · · · · · · · · · · · · · | | |
| VELL DIAMETER (inches): 4 VELL VOLUME PURG | TUBING DIAME | G TER (inches): LUME = (TOT | フ _{/6} WEL DEP | L SCREEN | to 25 feet | STATIC D | R (feet): 18.9 | S OR B | SE PUMP TYP AILER: | PE PY |
| only fill out if applicable | | • | | | | | | | _ Q,° |] gallons |
| only fill out if applicable |) | JIPMENT VOL | | ulions + (108 | | ir X II | feet) | | gallons = | gallons |
| NITIAL PUMP OR TUB DEPTH IN WELL (feet): | ~~ ~ | FINAL PUI DEPTH IN | MP OR TUBING WELL (feet): | 22.0 | | | PURGING ENDED AT: | 16:59 | TOTAL VOLU PURGED (ga | IME Ilons): 1.36 |
| TIME VOLUME PURGED (gallons) | PURGED | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pH (standard units) | TEMP. (°C) | COND. (circle units) µmhos/cm or µS/cm | DISSOLVED OXYGEN (circle units) mg/L or % saturation | TURBIDITY (NTUs) | COLOR (describe | ODOR (describe) |
| 16:50 1.0 | 1.0 | 0.04 | 19.39 | | 20.92 | 0.226 | 1.00 | 24.20 | Ckm | howe |
| 16:53 0.12 | 1.12 | 0,04 | 19.39 | 4.52 | 20.89 | 9.227 | 1.01 | 23.5 | der | hons |
| 16:36 0.12 | 1.24 | 0.04 | 19.39 | 4.52 | 2087 | 0.226 | 1.01 | 22.8 | ciem | inspel |
| 16:59 0.12 | 1.36 | 0,04 | 19.39 | 4.32 | 20.89 | 0.226 | 1.01 | 19.7 | cless | hone |
| WELL CAPACITY (GA TUBING INSIDE DIA. (PURGING EQUIPMEN | CAPACITY (Gal.) T CODES: E | /Ft.): 1/8" = 0 3 = Bailer; | .0006; 3/16" BP = Bladder F | = 0.0014; Pump; E SAMP | 1/4" = 0.002 SP = Electric | 6; 5/16" = 0. Submersible Pu | 004; 3/8" = 0 | | = 0.010; 5 | 2" = 5.88 /8" = 0.016 er (Specify) |
| SAMPLED BY (PRINT) | AFFILIATION: | | SAMPLER(S) | SIGNATURI A | E(S): | | SAMPLING INITIATED AT | n: 16:59 | SAMPLING ENDED AT | 17:04 |
| PUMP OR TUBING DEPTH IN WELL (feet) | · ファ | ~0 | TUBING MATERIAL C | ODE: 4 | PE | | -FILTERED: Y on Equipment Ty | | FILTER SIZ | E:μm |
| FIELD DECONTAMINA | | $\overline{}$ | V | TUBING | | eplaced) | DUPLICATE: | · | Ø. | |
| SAMPLE CONTA | | | | SAMPLE PR | RESERVATIO | | INTENDE | | | SAMPLE PUMP |
| SAMPLE # CONTAINER | | VOLUME | | ADDE | TOTAL VOL D IN FIELD (| 7 | ANALYSIS AI METHO | ND/OR EQI | JIPMENT CODE | FLOW RATE (mL per minute) |
| WW.5 / | PE | 250mil | HN03 | Pr | epreserved | / <2 | Nickel | | Apr | 125mc |
| mic 5 1 | PE | 250 ml | None | | None | MA | Fluoride | 6 A | pr | 125- |
| | | | | | | | | | | |
| REMARKS: | Тивс | Place | within | Screen | r: Thub | edity Stight | y High Pi | inp 3/02 | es J Ga | |
| MATERIAL CODES: SAMPLING EQUIPME | AG = Amber | | = Clear Glass; eristaltic Pump; | | yethylene; | PP = Polypropy Bladder Pump; | | one; T = Tefle | | her (Specify) |

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

| SITE NAME: | F | omec | Trant | Tu6 | H | SIT | E CATION: | 141 | Ham | mon st | Cal | ral | Itm. C | DA . | 7 |
|------------------|--|---|---|-----------------------------|-------------------------|----------------------|-----------------------------|--------------|---|--|----------------------|-----------------|---|--|-------------|
| WELL NO: | nw | -2 | | SAM | IPLE ID: | | m | | | | DATE: | | 29-16 | | 7 |
| | | | | | | URG | ING DA | TA | | L | | | | | |
| WELL DIAMETER | (inches): | | TER (inches): | 1 | DEPTH: | 77 feet | NTERVAL to 2 Ifeet | | STATIC E | ER (feet): ノス | .6/ 0 | PURGE OR BAI | E PUMP TYF ILER: | PE PP | |
| (only fill out | if applicable) | | • | | | | | 3 | ATER) X | WELL CAPAC | ITY | | G, | .69 | |
| | NT VOLUME PU | IRGE: 1 EQL | JIPMENT VOL | = PUMP | VOLUME | + (TUBI | ING CAPACI | ITY | feet) X X TI | JBING LENGTH | gallons) + FLOW | CELL | = | ¹ gallons | 1 |
| | | | | = | gallons | + (| | ons/fo | ot X | feet |) + | | gallons = | gallons | |
| | MP OR TUBING WELL (feet): | 3 24,7 | FINAL PUI DEPTH IN | | _ | 147 | PURGIN INITIATE | IG ED AT | 10:40 | PURGING ENDED AT: | 11:16 | / T | OTAL VOLU URGED (gal | ME Ilons): 136 | |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPT TO WATE (feel | ER (sta | pH ndard nits) | TEMP. (°C) | (cire | COND. cle units) nhos/cm µS/cm | DISSOLVED OXYGEN (circle units) mg/L or % saturation | TURBII (NTU | | COLOR (describe) | ODOR (describe) | orp |
| 11:05 | Loo | 1.00 | 0.04 | 22.7 | 5 4. | 49 | 20.10 | <i>a</i> . | 046 | 6,13 | 5.2 | 8 | Clem | hone | 252. |
| 11:08 | 6.12 | 1.12 | 0.04 | | 22.75 4.50 | | 39.17 | <u>a</u> | 445 | 6.00 | 3.63 | | cler | none | 54.3 |
| 11:11 | 0.12 | 1,29 | 0.04 | 22. | | | 20.18 | | . 044 | 6.02 | 1.0 | | 010- | none | 255. |
| 11:14 | 9.12 | 1.36 | 0.04 | 12. | 75 4 | .51 | 20.16 | 0 | 240 | 6.03 | 2.4 | 2.43 de- | | nome | 257 |
| | <u> </u> | | | | | | | | | ··· | | | ļ | | 4 |
| | | | | | | | | | | | | | | | - |
| | | | | + | | | | | | | | | <u> </u> | | - |
| | | | | | | | | | | | | | | | - |
| ļ | | | | | | | | | | | | | | | - |
| | | | | - | | | | - | | | | | <u> · </u> | - | - |
| | _ PACITY (Gallon NSIDE DIA, CAI | | | |)4; 1.25 3/16" = 0.0 | i" = 0.06 0014: | 3; 2" = 0.1 1/4" = 0.002 | | 3" = 0.37; 5/16" = 0. | | 5" = 1.02; 0.006: | 6" 1/2" = | | 2" = 5.88 /8" = 0.016 | 1 |
| | EQUIPMENT O | | B = Bailer; | | lder Pump | | SP = Electric | | | | eristaltic P | | | er (Specify) |] |
| CAMPLES | DV (DDI) = (A | | | | | | LING DA | ATA | <u> </u> | | | ····· | | | - 7 |
| SAMPLED | BY (PRINT) / A | IFFILIATION: | | SAMPLE | R(S) SIGN | VATURE | (S): | | | SAMPLING INITIATED A | T. 1176 | 4 | SAMPLING ENDED AT | 11:19 | |
| PUMP OR | | 24, | | TUBING | AL CODE: | | P | | FIELD | -FILTERED: Y | (N) | | FILTER SIZ | | - |
| | CONTAMINATION | | | V | | BING | Y (N(r | eplace | | DUPLICATE | | | <u> </u> | | 1 |
| SAMI | PLE CONTAINE | R SPECIFIC | ATION | | SAM | PLE PR | RESERVATION | | | INTEND | | | | SAMPLE PUMP | 1 |
| SAMPLE ID CODE | # CONTAINERS | MATERIAL CODE | VOLUME | | RVATIVE ED | T | OTAL VOL D IN FIELD (| | FINAL pH | ANALYSIS A | ND/OR | EQUI | IPMENT | FLOW RATE (mL per minute) | |
| mur 6 | 1 | PE | 256 mil | MM | 03 | | egre 10-vc | | てこ | Nicke | 1 | ړم | 0 | 125 mgc | |
| mur b | 1 | 16 | 250mi | n _o | nc | | hone | | MA | Kluor | | | 99 | 125ml | |
| | | | | | | | | | | - | | | | | - |
| | | | | | | | | | · | | | | | | - |
| | | | | | | | ······ | | | | | | | ······································ | - |
| REMARKS | 3: | <u>اا</u> | · · · · · · · · · · · · · · · · · · · | | | L | | | | <u> </u> | | | | | \dashv |
| | Du | 66 P | Ince I | ~,\\; | √ Si | 7 ~ ee | \sim | | | | | | | | |
| MATERIAL | L CODES: | AG = Amber | Glass; CG | = Clear Gl | ass; Pi | E = Poly | ethylene; | PP = | Polypropy | lene; S = Silic | one; T= | Teflor | n; O = Oti | her (Specify) | 1 |
| SAMPLING | G EQUIPMENT | | APP = After P | | ump; | B = Bai | ler; BP = | | der Pump; | ESP = Elect | tric Submer | | | | 1 |

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

Form FD 9000-24 GROUNDWATER SAMPLING LOG

| SITE NAME: | From | 81 1n | ent The | £ | | SITE | ATION: / | 41 | Hann | nd St. | Cannal | | GVA | , | 7 |
|---------------|--|---|--|---|--------------------|---------------------|---------------|--------------|------------------------------------|---|--|---|-------------------|------------------------------|----------------------|
| WELL NO: | | | int the | SAMPLE | ID: | | | ·/ | m ₁ o- | <u> </u> | DATE: | 7 | | | |
| | <u> </u> | 1m-1) | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | PI | | NG DA | ТΔ | | | | | 7.19-4 | | J |
| WELL | | TUBIN | G | , WE | | | TERVAL | | STATIC D | EPTH | | PURG | E PUMP TY | /PE _ | 7 |
| | R (inches): と | | TER (inches): | الله الله الله الله الله الله الله الله | PTH: 1 | 7 feet to | 27 feet | | TO WATE | R (feet): 2 | 274 | OR BA | ILER: | <i>^^^</i> | _ |
| | UME PURGE: t if applicable) |) WELL VO | LUME = (10 | TAL WELL DEF | | | | O W | • | | | | | A 55° | |
| EQUIPMEN | NT VOLUME PL | / JRGE: 1 EQI | = (JIPMENT VOI | <u> </u> | feet - UME + | | CAPACI | TY | feet) X | のいん JBING LENG | galloi TH) + FLO\ | ns/foot N CELL | | 68 gallons | - |
| | t if applicable) | | | | allons + | , | | | oot X | | eet) + | | gallons = | = gallons | |
| INITIAL PU | IMP OR TUBING | G | FINAL PU | MP OR TUBING WELL (feet): | G | | PURGIN | iG | | T === | | 1/ 7 | TOTAL VOL | UME | |
| DEPTH IN | WELL (feet): | 25.0 | DEPTH IN | WELL (feet): | 25 | .c | INITIATI | ED A | T: 14.00 | ENDED | G AT: 14: 3 | 7 F | PURGED (g | | 4 |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pl (stan uni | dard | TEMP. (°C) | (Cit | COND. rcle units) mhos/cm r_ µS/cm | OXYGEN OXYGEN (circle unit mg/L or % saturation | turi s) Turi (N | BIDITY TUs) | COLOF (describ | | ORA |
| 14:17 | 0.68 | a.68 | 0.04 | 23.35 | 5.4 | 6 : | 26.13 | 9. | 055 | 7.10 | 21. | 9 | cku | none | ₹9. (|
| 14:25 | 1.00 | 1.90 | 004 | 23,51 | 47 | | 25.50 | 0. | .05) | 7.04 | 6.5 | 57 | Jem | have | יאַד ³ ,3 |
| 14: 28 | 14:28 a.12 1.12 0.04 23.55 4.81 25.45 6.048 7.03 7.48 clear nane 174.7 | | | | | | | | | | | | | | |
| 14:34 | arz | 1,24 | 0.44 | 23.58 | 4.7 | | 15.41 | а. | .052 | 7.67 | 6.0 | | Clear | home | 176.9 |
| 19:34 | 0.12 | 1.37 | 0.04 | 23.60 | 4, 7 | 9 2 | 5,38 | 0, | 046 | 7.10 | 4.9 | 15 | Glen | honz | 1776 |
| | | | | | ļ | | | | | | | *************************************** | | | |
| | | | | | | | | ļ | | | | | | | 4 |
| | | | | | | | | - | | | | | | | |
| | | | | | | | | | | | | | | | 4 |
| | | | | | | | | - | | | | | - | | - |
| WELL CA | PACITY (Gallon | s Per Foot): | 0.75" = 0.02: | 1" = 0.04: | 1.25" | = 0.06: | 2" = 0.1 | 6: | 3" = 0.37: | 4" = 0.65: | 5 " = 1.0 | 2: 6" | ' = 1.47: | 12" = 5.88 | _ |
| TUBING IN | ISIDE DIA. CAF | PACITY (Gal. | /Ft.): 1/8" = 0 | .0006; 3/16 | " = 0.00 |)14; 1 | /4" = 0.002 | 26; | 5/16" = 0.0 | 004; 3/8" | = 0.006; | 1/2" = | 0.010; | 5/8" = 0.016 | - |
| PURGING | EQUIPMENT C | ODES: I | 3 = Bailer; | BP = Bladder | | | ING DA | | mersible Pur | mp; PP | = Peristaltic | Pump; | O = Ot | her (Specify) | |
| SAMPLED | BY (PRINT) / A | FFILIATION: | | SAMPLER(S | | | | 117 | 1 | SAMPLIN | G | | SAMDI INI | G | 7 |
| | AL | n m | | · | | 16 | 6 12 | | | INITIATE | DAT: 14 | :34 | ENDED A | G T: 14:39 | |
| PUMP OR | TUBING WELL (feet): | 25,0 | 7 | TUBING MATERIAL C | ODE: | PE | - | | FIELD- | FILTERED: on Equipmen | Y | | FILTER SI | ZE: μm | |
| | CONTAMINATION | | | V | | ING | Y NTF | eplac | ed)> | DUPLICA | ······································ | ((| ₩ . | | 1 |
| SAM | PLE CONTAINE | R SPECIFIC | ATION | | SAMP | LE PRE | SERVATIO | | | INTE | NDED | 1 | MPLING | SAMPLE PUMP | |
| SAMPLE | | MATERIAL | VOLUME | PRESERVAT | | | | | FINAL | ANALYSI | S AND/OR HOD | EQU | IPMENT ODE | FLOW RATE (mL per minute) | |
| ID CODE | CONTAINERS | CODE PS | 250mc | USED USED | | | IN FIELD (| , | PH | Nick | | | | | - |
| mhrll | 1 | PC | 250~ | 10ne | | | | | NIA | Fluor | | 1 | Pr | 125 mc | \dashv |
| | | | 23010 | // Grec | | No | /16 | | | 7,40 | -in-e | ,000 | u u | · · · · · · · · | - |
| | | | | | | | | | | | | - | | | 1 |
| | | | | | | | | | | | | 1 | | | 7 |
| | | | | , | | | | | | | | T | | | 1 |
| REMARKS | 5: ブレ | te pino | e mitha | Screen | | | | ************ | | | | | | | |
| MATERIA | | AG = Ambe | | = Clear Glass; | | = Polyet | | | | ene; S = S | | = Teflo | | ther (Specify) | _ |
| SAMPLIN | G EQUIPMENT | | | eristaltic Pump rse Flow Perista | | B = Bailer mp; S | | | lder Pump; hod (Tubing | ESP = E Gravity Drain | lectric Subm | nersible Other (S | | | |

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

Form FD 9000-24 GROUNDWATER SAMPLING LOG

| SITE NAME: | Form | er Tr | ant Tu | ьс | | SITE LOCATION: | 141 | Har | nmond : | st, C | ivra | -1Han, 1 | SA | 7 |
|---------------------|----------------------------------|---|------------------------|-------------------------------------|---------------------------|--------------------------|--------------|------------------------------|--|---------------------|----------------|----------------------|--|----------|
| WELL NO: | 'n | 1W-12 | | SAMPLE | ID: | | mr | -12 | | DATE: | | Z0.16 | | 1 |
| | | | | | | GING DA | | | | | | | | J |
| WELL DIAMETER | | | TER (inches): | 776 DEP | TH: 👉 fe | NINTERVAL et to 1/2 feet | | STATIC D | R (feet): //. | 12 1 | PURGI OR BA | E PUMP TY ILER: | PE PP | |
| | UME PURGE: t if applicable) | 1 WELL VO | LUME = (TOT = (| ZO.3 | | ATIC DEPTH | | • | WELL CAPAC | gallons | :/foot | _ | 1.46 gallons | |
| | NT VOLUME PU | JRGE: 1 EQI | JIPMENT VOL | = PUMP VOL | JME + (TU | | ITY | X TL | JBING LENGTH |) + FLOW | | VOLUME | | |
| | JMP OR TUBIN | G 14-1 | \$ | MP OR TUBING | llons + (| T 5115 611 | ons/foo | | feet PURGING | 75.25 | | gallons FOTAL VOL | UME , 2.14 | - |
| DEPTH IN | WELL (feet): | | DEPTHIN | WELL (feet): | 14.1 | INITIAT | 1 | 12:50 | DISSOLVED | 73.3° | <u> F</u> | PURGED (g | allons): () | 4 |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pH (standard units) | TEMP. | (circ | le units) hos/cm μS/cm | OXYGEN (circle units) mg/L <u>or</u> % saturation | TURB (NT | | COLOI (describ | | QRP |
| 13:27 | 1.48 | 1.48 | 0,04 | 12.53 | 4.90 | 19.02 | 0. | 103 | 1.62 | 6.7 |) | Ckar | none | 181.3 |
| 13:30 | 0.12 | 1.60 | 0,04 | 12,54 | 4.91 | 19.16 | · | 103 | 1. 45 | 7.2 | | cle- | nanc | 200.8 |
| 13:33 | 0.12 | 1.72 | 0.04 | 12.54 | 4.92 | 19.15 | | 103 | 1.63 | 4.12 | | Clem. | | 277.2 |
| 13:36 | 0.12 | 1.84 | 0.04 | 12.54 | 4.91 | 19.15 | 0. | 102 | 1.65 | 7.3 | <u> </u> | cler | hand | 280.5 |
| | | | | | | | | | ************************************** | | | | | 1 |
| | | | | | | | | | | | | | | 7 |
| | <u> </u> | | | | | | | | | 1 | | | | 1 |
| | | | | | | | | | | | | - | | 1 |
| | | | | | | | | | | | | | | 1 |
| | PACITY (Gallon NSIDE DIA. CAI | | | | 1.25" = 0 = 0.0014; | | | 3" = 0.37; 5/16" = 0. | | 5" = 1.02 0.006; | | | 12" = 5.88 5/8" = 0.016 | |
| PURGING | EQUIPMENT (| CODES: | 3 = Bailer; | BP = Bladder P | | ESP = Electric | | | mp; PP = F | eristaltic F | omp; | 0 = 0 | ther (Specify) | |
| SAMPLED | BY (PRINT) / A | VEEII IATIONI | | SAMPLER(S) | | PLING D | ATA | | · · · · · · · · · · · · · · · · · · · | | т | | | 7 |
| | An | L Km | | | At | 15 V | | | SAMPLING INITIATED A | | 36 | SAMPLIN ENDED A | IG 13:4/ | |
| PUMP OR DEPTH IN | TUBING WELL (feet): | 14.1 | | TUBING MATERIAL CO | DDE: | Æ | | | -FILTERED: Yon Equipment To | | | FILTER S | IZE:μm | |
| FIELD DE | CONTAMINATION | ON: PUI | UP GY 1 | ١ | TUBING | Y N(I | replace | | DUPLICATE | | (| B | |] |
| SAM | PLE CONTAIN | ER SPECIFIC | ATION | | | PRESERVATION | NC | | INTEND | | | MPLING | SAMPLE PUMP | |
| SAMPLE ID CODE | # CONTAINERS | MATERIAL CODE | VOLUME | PRESERVATI USED | | TOTAL VOL | (mL) | FINAL pH | ANALYSIS A METHO | 1 | _ | IIPMENT CODE | FLOW RATE (mL per minute) | |
| m412 | i | PC | 250ml | HNO3 | | Prepresor | | ۷2 | Nicke | / | | y p p | 125mi | |
| mu-12 | 1 | PO | 250mm | none | | None | | N/A | Pluori | de | , | ją | 125 m | |
| | | | | | | | | | | | | | | _ |
| | | | | | | | | | | | | | | 4 |
| | | | | | | | _ | | - | | | | | - |
| REMARKS | <u> </u> 3: | | ¥1× | | | | | | | | | | | \dashv |
| | Tub | e Place | with: | n Sone | 2 | | | | | | | | | |
| | L CODES: | AG = Amber | Glass; CG | = Clear Glass; | PE = P | olyethylene; | PP = | Polypropy | lene; S = Silic | one; T | = Teflo | on; O = 0 | Other (Specify) |] |
| SAMPLIN | G EQUIPMENT | | | eristaltic Pump; se Flow Perista | | | | der Pump; od (Tubing | ESP = Elec Gravity Drain); | | | Pump; Specify) | | |

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

GROUNDWATER SAMPLING LOG

| SITE NAME: | Fo | ormer Tr | ent The | ·c | S | OCATION: | 14 Hami | nord st. | Ginnoll | Hong GA | | 7 |
|---------------------|----------------------------------|---|---|--|---------------------------|---------------------------------------|--|---------------------------------------|---------------------------|--------------------------------|----------------------------|--------|
| WELL NO: | m | W-12D | | SAMPLE | | MW-121 | | · · · · · · · · · · · · · · · · · · · | DATE: | 7-19-16 | | 1 |
| | | | *************************************** | | PUR | GING DA | \TA | | | | | لــ |
| WELL VOL | (inches): 7 | | ER (inches): | DEI | PTH: 84fee | INTERVAL et to ? //feet | TO WA | C DEPTH | 3.// | PURGE PUMP OR BAILER: | TYPE EST | |
| (only fill out | if applicable) | | = (| | feet | | feet) | X | gallon | s/foot = | gallons | |
| | IT VOLUME PU if applicable) | JRGE: 1 EQU | IPMENT VOL | | • | | ons/foot X | | GTH) + FLOW feet) + 24 | CELL VOLUM | E s = 43 gallons | |
| | MP OR TUBING | G 90.0 | | MP OR TUBING WELL (feet): | | T DUDO! | NG m | | 1G (0.13 | | | |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pH (standard units) | TEMP. | COND. (circle units µmhos/cm or µS/cm | | N its) TURE (NT | SIDITY COL (Us) (desc | OR ODOR | one |
| 19:13 | 3,9 | 3.9 | 0.05 | 29.95 | 7.74 | 18.82 | 9.155 | 4.55 | 9, 0 | 55 cle | - hone | - 58.2 |
| 19:16 | 0.15 | 4.05 | 0.05 | 34. 7 0 | 7.73 | 18.81 | 0.154 | 952 | 9. 7 | | ~ none | -100. |
| 19:19 | 0.15 | 4.20 | 20.05 | 31.46 | 7.73 | 18.70 | 9.153 | 0.49 | 9.6 | 5 1- | non: | -/03. |
| 19:22 | 0, 15 | 4.35 | ۵.۵5 | 31.97 | 7.72 | 18.68 | a.152 | <i>a</i> , so | 8.3 | 55 <u>c</u> le. | rono | - 100 |
| | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | - |
| | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | - |
| | PACITY (Gallon ISIDE DIA. CAI | | | | | 06; 2" = 0. 1/4" = 0.00 | | | ; 5" = 1.02 " = 0.006; | 2; 6" = 1.47; 1/2" = 0.010; | 12" = 5.88 5/8" = 0.016 | |
| PURGING | EQUIPMENT C | ODES: B | = Bailer; | BP = Bladder | | | Submersible | Pump; PP | = Peristaltic | Pump; 0 = | Other (Specify) | |
| CAMPLED | BY (PRINT) / A | EEN IATION! | | SAMPLER(S | | PLING D | ATA | | | | | ٦ |
| | Ath | | | |) 31314A107 | HP - | ··· | | DAT: 19 | | DAT: /パム/ | |
| PUMP OR DEPTH IN | TUBING WELL (feet): | | | TUBING MATERIAL C | ODE: | PE | | LD-FILTERED | | FILTER | SIZE:μm | |
| FIELD DEC | CONTAMINATIO | ON: PUM | R I | V | TUBING | Y _N(| replaced) | DUPLICA | | N | | 7 |
| SAME | PLE CONTAINE | ER SPECIFICA | TION | | SAMPLE F | PRESERVATION | ON | | ENDED | SAMPLING | SAMPLE PUMP | 7 |
| SAMPLE ID CODE | # CONTAINERS | MATERIAL CODE | VOLUME | PRESERVAT USED | ADD | ED IN FIELD | FINA (mL) pH | L NAC | IS AND/OR THOD | EQUIPMENT CODE | (mL per minute) | |
| 120 | / | PE | 25an- | HNOS | P | represent | | Nici | | APP | 20041 | 4 |
| たり | | PF. | 2500 | None | | none | NA | F120 | eride | APP | 2000 | - |
| | | | | | | | | | | | | 1 |
| | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | - |
| REMARKS | Tube | Place | inth | en Ser | cor | | t | | | L | | |
| MATERIAL | _ CODES: G EQUIPMENT | | APP = After P | = Clear Glass; eristaltic Pump se Flow Perista | ; B=B | | PP = Polypro | | lectric Subm | ersible Pump; | = Other (Specify) | _ |
| LNOTES: 1. | The above | | | | | | | | , U = C | Other (Specify) | | |

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

| SITE NAME: | Formes | Truth | Tute | _ | SI LC | TE CATION: ' | 14/ Hamm | and st | Carnally | om GA | |
|----------------------------|---|---|------------------------------|---|---------------------------|-----------------------|---|--|---|------------------------------|--------------------------------------|
| WELL NO: | | w-13 | | SAMPLE | ID. | mv-13 | | | | 19.16 | |
| | | | | | | ING DA | TA | | | | |
| | (inches): | | ER (inches): | W DEF | LL SCREEN PTH: | to of feet | STATIC D | ER (feet): スヤ | OR B | SE PUMP TYPE AILER: | PY |
| (only fill out | if applicable) | | = (| 18 | feet - | 7.41 | feet) X | WELL CAPACI | gallons/foot | | Ç gallons |
| EQUIPMEN (only fill out | IT VOLUME PU if applicable) | JRGE: 1 EQU | IPMENT VOI | | .UME + (TUE allons + (| | TY X TO | UBING LENGTH) | | L VOLUME gallons = | gallons |
| | MP OR TUBING | | | MP OR TUBING WELL (feet): | | BUBCIA | | DUDCING | | TOTAL VOLUM PURGED (galle | /E |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pH (standard units) | TEMP. | COND. (circle units) µmhos/cm or µS/cm | DISSOLVED OXYGEN (circle units) mg/L or | TURBIDITY (NTUs) | 1 | ODOR (describe) |
| 16:38 | 1.72 | 1.72 | 0.04 | 12.45 | 6.39 | 22.11 | 4.188 | % saturation | 0.9 | حردهاء | nene + |
| 16:41 | 0.12 | 1.84 | 0.34 | 12.70 | 6.40 | 21.37 | | 2.79 | 9.75 | cles | hont 8 |
| 14: 44 | 0.12 | 1.96 | 0.04 | 1284 | 6.43 | 21.31 | 0.208 | 2.71 | 9.57 | cle- | hone # |
| 16:47 | 0.12 | 2.08 | 0.04 | 12.98 | 6.47 | 21.22 | a. 233 | 0.68 | 8.51 | den | nonc - |
| | | | | | | | | | | | |
| TUBING IN | PACITY (Gallon ISIDE DIA. CAI EQUIPMENT O | PACITY (Gal./I | | | ' = 0.0014; | 1/4" = 0.002 | | .004; 3/8" = 0 | | = 0.010; 5/8 | " = 5.88 " = 0.016 r (Specify) |
| · ortonto | Lacon militi | ,0020. 0 | - Daner, | DI - Diaduci i | | LING D | | тр, гг-г | enstallic Fullip, | , O-One | (Opecity) |
| SAMPLED | BY (PRINT) / A | FFILIATION: | | SAMPLER(S) | | | | SAMPLING INITIATED A | r: 16:47 | SAMPLING ENDED AT: | 16:52 |
| PUMP OR DEPTH IN | TUBING WELL (feet): | 13.4 | | TUBING MATERIAL C | ODE: | - | | -FILTERED: Y on Equipment Ty | (N) | FILTER SIZE | |
| FIELD DEC | CONTAMINATIO | ON: PUM | IP CY | N | TUBING | Y N(I | eplaced) | DUPLICATE: | | (B) | |
| SAMPLE | PLE CONTAINE # | R SPECIFICA | VOLUME | PRESERVAT | | RESERVATION TOTAL VOL |)N FINAL | INTEND | ND/OR EQ | UIPMENT | AMPLE PUMP FLOW RATE |
| ID CODE | CONTAINERS | CODE | | USED | | D IN FIELD (| 7 | METHO | | | mL per minute) |
| mm3 | <u>'</u> | Pe | 250mc | How | - 1 | epoeserou Mana | MA | Fluoris | | '' ——— | 25 mc |
| | | | | | | | | | | | |
| REMARKS |): Th | ti fla | e mith | n Jerec | u. Pi | us sla | r ons Par | ISNUT 64 | sat- | talk stall | Ding Quad |
| | G EQUIPMENT | F | APP = After P RFPP = Reve | = Clear Glass; eristaltic Pump rse Flow Perista | ; B = Ba altic Pump; | SM = Straw | PP = Polypropy Bladder Pump; Method (Tubing | ESP = Electi Gravity Drain); | one; T = Tefl ric Submersible O = Other (| Pump; | er (Specify) |

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

| ITE NAME: | For | mer 7 | rond i | THE | SI | TE CATION: | 141 Has | mmon St. | Carroll- | ton, GA | | |
|---------------------|----------------------------------|---|------------------------|-------------------------------------|---------------------------|----------------------------|---|---|---------------------------------|------------------------|--|----------|
| WELL NO: | | Nº18 | | SAMPLE | | | w.18 | | | -Za-26 | | |
| | | | | | PURG | ING DA | TA | | | | | _ |
| WELL | (inches): | TUBING DIAME | TER (inches): | WELL DEP | L SCREEN TH: 🛵 feet | INTERVAL | STATIO TO WA | DEPTH TER (feet): 24. X WELL CAPAC | 92 PURC OR B | GE PUMP TYPI AILER: | ************************************** | |
| (only fill out | if applicable) | TWELL VO | = (| 3 e.25 | feet - | 24.92 | feet) | X WELL CAPAC X O./L TUBING LENGTH | gallons/foot | = 0.8 | ≤ gallons | |
| (only fill out | if applicable) | | | = ga | llons + (| | ons/foot X | feel | | gallons = | gallons | |
| INITIAL PU | MP OR TUBING WELL (feet): | 327.5 | FINAL PUN | IP OR TUBING WELL (feet): | 27.9 | | | | · | TOTAL VOLUM | ΛE , | 1 |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pH (standard units) | TEMP. | COND. (circle units) μmhos/cm or μS/cm | DISSOLVED | TURBIDITY (NTUs) | | ODOR (describe) | 0) |
| 15:45 | 100 | 1,0 | 0.04 | 25.90 | 4. 38 | 19.86 | 0.075 | 1/33 | 2.58 | den | none | 12 |
| 15948 | 012 | 1,12 | 0.04 | 25.90 | 4.37 | 19.76 | 0,069 | 1.33 | 2.33 | clen- | hone | 24 |
| 15:51 | 9,12 | 1,24 | 0.04 | 25.90 | 4.38 | 19.79 | 0,064 | 1.31 | 3,06 | cler | none | 24 |
| 15:54 | a. 12 | 1. 36 | 0,04 | 25.90 | 438_ | 19.81 | 0,063 | 1.33 | 2.89 | clen | nort - | 20 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | ļ | | - | - |
| <u></u> | | | | | | <u> </u> | | | | | | 1 |
| | PACITY (Gallon NSIDE DIA. CAI | | | | | | | 7; 4" = 0.65; 0.004; 3/8" = | | | " = 5.88 " = 0.016 | 1 |
| | EQUIPMENT C | | | BP = Bladder F | oump; E | SP = Electric | Submersible I | | Peristaltic Pump | | r (Specify) |] |
| | | | | | | LING DA | ATA | | · | | \$1 | _ |
| | | AFFILIATION: | | SAMPLER(S) | | E(S): | | | NT: 15:54 | SAMPLING ENDED AT: | | |
| PUMP OR DEPTH IN | TUBING WELL (feet): | 27.9 | | TUBING MATERIAL CO | ODE: / | e C | | LD-FILTERED: Y ation Equipment T | | FILTER SIZE | .: μm | |
| FIELD DE | CONTAMINATION | | 7, | l | TUBING | Y N (r | eplaced) | DUPLICATE | | (N) | |] |
| SAM | PLE CONTAINE | | | | | RESERVATIO | N | INTEND | | | AMPLE PUMP | |
| SAMPLE ID CODE | # CONTAINERS | MATERIAL CODE | VOLUME | PRESERVAT USED | IVE ADDE | TOTAL VOL ED IN FIELD (| FINAL mL) pH | ANALYSIS A METHO | | | FLOW RATE mL per minute) | |
| MW18 | / | P ಶ | 25076 | i-iNog | P | represarvo | 1 22 | Nock | | App 1 | こよいし | |
| murit | | Pi | ZSOML | none | | none | NA | Fluor | ide , | QqA | 125~ | - |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | - |
| REMARKS | S: \mathcal{T}_{l} | nbo F | Place h | itien 5 | creen | | | | | | | 1 |
| MATERIA | L CODES: | AG = Amber | Glass; CG: | = Clear Glass; | PE = Poi | yethylene; | PP = Polypro | pylene; S = Silic | cone; T = Teff | on: O = Oth | er (Specify) | \dashv |
| | G EQUIPMENT | CODES: | APP = After Pe | eristaltic Pump; se Flow Perista | B = Ba | iler; BP = | Bladder Pum | | tric Submersible O = Other (| Pump; | | 1 |
| NOTES: 4 | | | | | | 0,,411 | | | | | | |

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

Revision Date: February 12, 2009

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

Form FD 9000-24 **GROUNDWATER SAMPLING LOG**

| SITE NAME: | Forme | Tren | Thee | | | SITE LOCATION: | 141 | Ham | mond St. | Car | roll | ton, GA | 4 |] |
|----------------------------|--------------------------------|---|------------------------|-----------------------------------|--------------------------|-----------------------|--|---|--|---------------|----------------|-----------------------|------------------------------|------|
| WELL NO: | | w-23 | <u>-</u> | SAMPLE | ID: | mw. | 23 | | | DATE: | 7 | -19-16 | | |
| | | | | | PUF | RGING DA | ATA | | | | | | | _ |
| WELL DIAMETER | (inches): 2 | TUBING | TER (inches): | 7/4 DEP | TH:33 S fe | N INTERVAL | | STATIC E | ER (feet): スロー | 42 | PURGE OR BA | PUMP TY | PE PP | |
| | UME PURGE: if applicable) | 1 WELL VOL | .UME = (TOT = (| | | TATIC DEPTH 20, 42 | | ATER) X | WELL CAPAC | CITY | s/foot | <u> </u> | / G gallons | |
| EQUIPMEN (only fill out | IT VOLUME PU if applicable) | RGE: 1 EQU | IPMENT VOL | = PUMP VOL | UME + (T | UBING CAPAC | CITY | X T | UBING LENGTH | i) + FLOW | | VOLUME | | |
| INITIAL DU | MD OD TUDINO | | TENNAL BUIL | = ga MP OR TUBINO | allons + (| BURG | lons/fo | | fee . PURGING | | | gallons = OTAL VOL | 11145 | 4 |
| | MP OR TUBINO WELL (feet): | 23.4 | | WELL (feet): | 23.4 | INITIA | red A | r: 11:25 | ENDED AT | :12:5 | 3 P | URGED (g | | _ |
| TIME | VOLUME PURGED (gallons) | CUMUL. VOLUME PURGED (gallons) | PURGE RATE (gpm) | DEPTH TO WATER (feet) | pH (standar units) | TEMP. | (cir µп | COND. cle units) nhos/cm : µS/cm | DISSOLVED OXYGEN (circle units) mg/L or % saturation | TURB (NT | | COLOF (describ | 1 | OR |
| 11:53 | 1.12 | 1.12 | 0.04 | 20.61 | 4.53 | 21.59 | G | 10 45 | 10.11 | 10, | 18 | clear | none | 106. |
| , 2: 21 | 1.12 | 2,24 | chay | 24.61 | 4.51 | | c. | 047 | 12.7 | 6,7 | 74 | 18~ | non6 | ומר[|
| 12:49 | 1.12 | 3.34 | 0.04 | 20.67 | 4.48 | 23, 05 | a | .041 | 12.40 | 3, 4. | と | -رويل | none | 22. |
| 12:52 | 0,12 | 3.48 | 0.04 | 20.61 | 4.42 | 22.24 | a. | a ye | 12,17 | 2.3 | 5 | dien | none | 32. |
| 12:53 | a.12 | 3.60 | 0.04 | 20.61 | 4.40 | 22.20 | ø, | 038 | 1Z, 11 | 2.00 | 5 | den | none | 33. |
| | | | | | | | - | | | + | | | | |
| | | | | | | | 1 | | | | | | | 1 |
| | | | | | ļ | | | | <u> </u> | | | <u> </u> | | 4 |
| WELL CAL | PACITY (Gallon | s Per Foot): | 0.75" = 0.02 | 1" = 0.04: | 1 25" = | 0.06; 2" = 0 | 16: | 3" = 0.37; | 4" = 0.65; | 5" = 1.02 | . <u>E</u> " | = 1.47; | 12" = 5.88 | 4 |
| | ISIDE DIA. CAF | | | | | | | 5/16" = 0 | | 0.006; | 1/2" = | | 5/8" = 0.016 | _ |
| PURGING | EQUIPMENT C | ODES: E | s = Bailer, | BP = Bladder | | ESP = Electr | | | imp; PP = | Peristaltic I | Pump; | 0 = 0 | ther (Specify) | |
| SAMPLED | BY (PRINT) / A | EEU IATION: | | SAMPLER(S | | IPLING D | AIA | <u> </u> | · | | 1 | | | ٦ |
| | Ath | | | | | 45 m | ······································ | | SAMPLING INITIATED | AT: /2/3 | 53 | SAMPLIN ENDED A | G .T: 12:58 | |
| PUMP OR DEPTH IN | TUBING WELL (feet): | 23.4 | | TUBING MATERIAL C | ODE: | 8E | | FIELD |)-FILTERED: | Y NO. | | FILTER S | IZE: μm | |
| | CONTAMINATIO | ON: PUN | 1P 00 1 | ٧ | TUBIN | G Y Ņ | (replac | | DUPLICATE | | 3 | N | | 7 |
| SAM | PLE CONTAINE | R SPECIFICA | ATION | | SAMPLE | PRESERVAT | ION | | INTEN | DED | SAN | /PLING | SAMPLE PUMP | 7 |
| SAMPLE ID CODE | # CONTAINERS | MATERIAL CODE | VOLUME | PRESERVAT USED | | TOTAL VOL | | FINAL pH | ANALYSIS METH | | | IPMENT ODE | FLOW RATE (mL per minute) | |
| mres | r | e E | 250 m | ANON | | Brepre so- | 1 | <2 | Nickel 1 | 6020 | 1 | سروج. ۱ | 125 ms | |
| mr2B | | SE | 250 mm | hend | | hone | | N/A | Fluorid | Ç. | | جرم ا | 125 ml | |
| moss | 3 | c <i>G</i> | 40-2 | 1407 | | represum | | 22 | Vac' 82 | á a | 5 | <u>.</u> | <100 m |] |
| | | | ····· | | | · | | | | | | * | | - |
| REMARKS | s: Pu | | | without t | | | | | | | / | | | 7 |
| MATERIA | | | | | | | | | fly 31/6 | | | | Other (Co : £ A | - |
| | L CODES: G EQUIPMENT | | APP = After P | = Clear Glass; eristaltic Pump | ; B= | | = Blac | = Polypropy Ider Pump; | ESP = Elec | | ersible | Pump; | Other (Specify) | - |
| NOTES: 1 | The above | | | se Flow Perista | | | | | Gravity Drain); | 0 = 0 | Other (S | Specify) | | |

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

Revision Date: February 12, 2009

ATTACHMENT B

Analytical Report



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-108145-1

TestAmerica Sample Delivery Group: 27-225273.00/00/1

Client Project/Site: Former Trent Tube

For:

Environmental Compliance Services, Inc. 9874 Main Street, Suite 100 Woodstock, Georgia 30188-6619

Attn: Mr. Dean McCartney

Kuth Hayer

Authorized for release by: 8/4/2016 2:22:42 PM Ken Hayes, Project Manager II (615)301-5035 ken.hayes@testamericainc.com

Designee for

Heather Baker, Project Manager I (615)301-5043

heather.baker@testamericainc.com

.....LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

| Cover Page | 1 |
|-----------------------|----|
| Table of Contents | 2 |
| Sample Summary | 3 |
| Case Narrative | |
| Definitions | 5 |
| Client Sample Results | 6 |
| QC Sample Results | 17 |
| QC Association | 29 |
| Chronicle | 32 |
| Method Summary | 36 |
| Certification Summary | 37 |
| Chain of Custody | 38 |
| Receipt Checklists | 41 |

6

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10

12

Sample Summary

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 490-108145-1 | MW-1 | Water | 07/20/16 14:50 | 07/21/16 09:20 |
| 490-108145-2 | MW-2 | Water | 07/20/16 12:24 | 07/21/16 09:20 |
| 490-108145-3 | MW-3 | Water | 07/20/16 10:08 | 07/21/16 09:20 |
| 490-108145-4 | MW-4 | Water | 07/20/16 19:24 | 07/21/16 09:20 |
| 490-108145-5 | MW-4R | Water | 07/20/16 18:27 | 07/21/16 09:20 |
| 490-108145-6 | MW-5 | Water | 07/20/16 17:04 | 07/21/16 09:20 |
| 490-108145-7 | MW-6 | Water | 07/20/16 11:19 | 07/21/16 09:20 |
| 490-108145-8 | MW-11 | Water | 07/19/16 14:39 | 07/21/16 09:20 |
| 490-108145-9 | MW-12 | Water | 07/20/16 13:41 | 07/21/16 09:20 |
| 490-108145-10 | MW-13 | Water | 07/19/16 16:52 | 07/21/16 09:20 |
| 490-108145-11 | MW-18 | Water | 07/20/16 15:59 | 07/21/16 09:20 |
| 490-108145-12 | MW-12D | Water | 07/19/16 19:27 | 07/21/16 09:20 |
| 490-108145-13 | MW-23 | Water | 07/19/16 12:58 | 07/21/16 09:20 |
| 490-108145-14 | Trip Blank | Water | 07/19/16 00:01 | 07/21/16 09:20 |
| 490-108145-15 | Rinsate | Water | 07/19/16 19:45 | 07/21/16 09:20 |
| 490-108145-16 | Field Duplicate | Water | 07/19/16 00:01 | 07/21/16 09:20 |

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Case Narrative

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Job ID: 490-108145-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-108145-1

Comments

No additional comments.

Receipt

The samples were received on 7/21/2016 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° C.

GC/MS VOA

Method 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 490-357218 recovered outside control limits for the following analytes: Trichlorofluoromethane.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC

Method 9056A: The following samples was diluted due to the nature of the sample matrix: MW-1 (490-108145-1), MW-2 (490-108145-2), MW-3 (490-108145-3), MW-4 (490-108145-4), MW-4R (490-108145-5), MW-5 (490-108145-6), MW-6 (490-108145-7), MW-12 (490-108145-9). and MW-18 (490-108145-11). Elevated reporting limits (RLs) are provided.

Method 9056A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 490-359127 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Definitions/Glossary

Client: Environmental Compliance Services, Inc.

Qualifier Description

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Qualifiers

GC/MS VOA

Qualifier

| F2 | MS/MSD RPD exceeds control limits |
|----|--|
| * | RPD of the LCS and LCSD exceeds the control limits |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

These commonly used abbreviations may or may not be present in this report.

HPLC/IC

| Qualifier | Qualifier Description |
|-----------|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| E | Result exceeded calibration range. |

Metals

| Qualifier | Qualifier Description |
|-----------|---|
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not |
| | applicable. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| E | Result exceeded calibration range. |

Glossary Abbreviation

| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
|----------------|---|
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

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Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

Client Sample ID: MW-1

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Lab Sample ID: 490-108145-1

Matrix: Water

Date Collected: 07/20/16 14:50
Date Received: 07/21/16 09:20

Method: 9056A - Anions, Ion ChromatographyAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacFluoride32.34.000.400mg/L0.4000.04000.0400

 Method: 6020A - Metals (ICP/MS)

 Analyte
 Result Nickel
 Qualifier
 RL O.00200
 MDL Unit O.000500
 D O.724/16 12:38
 Analyzed O7/25/16 14:57
 Dil Fac O7/25/16 14:57

Client Sample ID: MW-2 Lab Sample ID: 490-108145-2

Date Collected: 07/20/16 12:24

Matrix: Water

Date Received: 07/21/16 09:20

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | 0.150 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.240 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.250 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10.0 | 0.940 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 1.00 | 0.210 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | 0.250 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 19:42 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 19:42 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | 0.160 | ug/L | | | 07/22/16 19:42 | 1 |
| 2-Butanone (MEK) | ND | | 50.0 | 2.64 | ug/L | | | 07/22/16 19:42 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 19:42 | 1 |
| 2-Hexanone | ND | | 10.0 | 1.28 | ug/L | | | 07/22/16 19:42 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 19:42 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 0.810 | ug/L | | | 07/22/16 19:42 | 1 |
| Acetone | ND | | 25.0 | 2.66 | ug/L | | | 07/22/16 19:42 | 1 |
| Benzene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 19:42 | 1 |
| Bromobenzene | ND | | 1.00 | 0.210 | ug/L | | | 07/22/16 19:42 | 1 |
| Bromochloromethane | ND | | 1.00 | 0.150 | ug/L | | | 07/22/16 19:42 | 1 |
| Bromodichloromethane | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 19:42 | 1 |
| Bromoform | ND | | 1.00 | 0.290 | | | | 07/22/16 19:42 | 1 |
| Bromomethane | ND | | 1.00 | 0.350 | ug/L | | | 07/22/16 19:42 | 1 |
| Carbon disulfide | ND | | 1.00 | 0.220 | ug/L | | | 07/22/16 19:42 | 1 |
| Carbon tetrachloride | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 19:42 | 1 |
| Chlorobenzene | ND | | 1.00 | 0.180 | - | | | 07/22/16 19:42 | 1 |
| Chlorodibromomethane | ND | | 1.00 | 0.250 | | | | 07/22/16 19:42 | 1 |
| Chloroethane | ND | | 1.00 | 0.360 | • | | | 07/22/16 19:42 | 1 |

TestAmerica Nashville

Page 6 of 41

3

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10

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

Date Received: 07/21/16 09:20

Analyte

Fluoride

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Lab Sample ID: 490-108145-2

Client Sample ID: MW-2 Date Collected: 07/20/16 12:24

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa | | |
|--|-------------------|-----------|----------|----------|--------------|---|----------------|--|--------|--|--|
| Chloroform | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 19:42 | | | |
| Chloromethane | ND | | 1.00 | 0.360 | ug/L | | | 07/22/16 19:42 | | | |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.210 | ug/L | | | 07/22/16 19:42 | | | |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 19:42 | | | |
| Dibromomethane | ND | | 1.00 | 0.450 | ug/L | | | 07/22/16 19:42 | | | |
| Dichlorodifluoromethane | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 19:42 | | | |
| Ethylbenzene | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 19:42 | | | |
| Hexachlorobutadiene | ND | | 2.00 | 0.380 | ug/L | | | 07/22/16 19:42 | | | |
| Isopropylbenzene | ND | | 1.00 | 0.330 | | | | 07/22/16 19:42 | | | |
| Methyl tert-butyl ether | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 19:42 | | | |
| Methylene Chloride | ND | | 5.00 | | ug/L | | | 07/22/16 19:42 | | | |
| Naphthalene | ND | | 5.00 | 0.210 | | | | 07/22/16 19:42 | | | |
| n-Butylbenzene | ND | | 1.00 | 0.240 | | | | 07/22/16 19:42 | | | |
| N-Propylbenzene | ND | | 1.00 | 0.170 | | | | 07/22/16 19:42 | | | |
| p-Isopropyltoluene | ND | | 1.00 | 0.170 | - | | | 07/22/16 19:42 | | | |
| sec-Butylbenzene | ND | | 1.00 | 0.170 | - | | | 07/22/16 19:42 | | | |
| Styrene | ND | | 1.00 | 0.280 | | | | 07/22/16 19:42 | | | |
| tert-Butylbenzene | ND | | 1.00 | 0.170 | - | | | 07/22/16 19:42 | | | |
| Tetrachloroethene | 0.298 | 1 | 1.00 | 0.140 | • | | | 07/22/16 19:42 | | | |
| Toluene | ND | | 1.00 | 0.170 | • | | | 07/22/16 19:42 | | | |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.230 | | | | 07/22/16 19:42 | | | |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.170 | J | | | 07/22/16 19:42 | | | |
| Trichloroethene | | | 1.00 | 0.200 | . | | | 07/22/16 19:42 | | | |
| Trichloroethene Trichlorofluoromethane | 6.18 ND | * | 1.00 | 0.200 | - | | | 07/22/16 19:42 | | | |
| Vinyl chloride | ND ND | | 1.00 | 0.180 | - | | | 07/22/16 19:42 | | | |
| | | | | | . | | | | | | |
| Xylenes, Total | ND | | 3.00 | 0.580 | ug/L | | | 07/22/16 19:42 | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa | | |
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 70 - 130 | | | | | 07/22/16 19:42 | | | |
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 | | | | | 07/22/16 19:42 | | | |
| Dibromofluoromethane (Surr) | 95 | | 70 - 130 | | | | | 07/22/16 19:42 | | | |
| Toluene-d8 (Surr) | 101 | | 70 - 130 | | | | | 07/22/16 19:42 | | | |
| Method: 9056A - Anions, Ion Chron | natography | | | | | | | | | | |
| Analyte | | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa | | |
| Fluoride | 22.4 | | 2.00 | 0.200 | mg/L | | | 08/01/16 18:47 | 2 | | |
| Method: 6020A - Metals (ICP/MS) | | | | | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa | | |
| Nickel | 0.698 | | 0.00200 | 0.000500 | mg/L | | 07/24/16 12:38 | 07/25/16 15:24 | | | |
| Client Sample ID: MW-3 | | | | | | | Lah Samn | le ID: 490-10 | 8145- | | |
| ate Collected: 07/20/16 10:08 | · | | | | | | | Lab Sample ID: 490-108145-3 Matrix: Water | | | |
| ate Received: 07/21/16 09:20 | | | | | | | | | | | |

TestAmerica Nashville

Analyzed

08/01/16 19:07

Prepared

2.00

MDL Unit

0.200 mg/L

Result Qualifier

24.2

Dil Fac

Client: Environmental Compliance Services, Inc. Project/Site: Former Trent Tube

Client Sample ID: MW-3

Date Collected: 07/20/16 10:08 Date Received: 07/21/16 09:20

Lab Sample ID: 490-108145-3

Matrix: Water

| | Method: 6020A - Metals (ICP/MS) | | | | | | | | | |
|---|---------------------------------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| | Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| L | Nickel | 0.869 | | 0.00200 | 0.000500 | mg/L | | 07/24/16 12:38 | 07/25/16 15:30 | 1 |

Lab Sample ID: 490-108145-4 Client Sample ID: MW-4 Date Collected: 07/20/16 19:24 Matrix: Water

Date Received: 07/21/16 09:20

| Method: 9056A - Anions, Ion Chrom | natography | | | | | | | | |
|-----------------------------------|------------|-----------|------|------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Fluoride | 182 | | 20.0 | 2.00 | mg/L | | | 08/01/16 19:27 | 200 |

Method: 6020A - Metals (ICP/MS) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 0.0200 07/24/16 12:38 07/26/16 20:31 Nickel 4.84 0.00500 mg/L

Client Sample ID: MW-4R Lab Sample ID: 490-108145-5 Date Collected: 07/20/16 18:27 **Matrix: Water**

Date Received: 07/21/16 09:20

| Method: 9056A - Anions, Ion Chron | atography | | | | | | | | |
|-----------------------------------|-----------|-----------|------|------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Fluoride | 125 | | 10.0 | 1.00 | mg/L | | | 08/01/16 19:47 | 100 |
| Mothod: 6020A Motals (ICP/MS) | | | | | | | | | |

Result Qualifier RL MDL Unit Dil Fac Analyte Prepared Analyzed 07/25/16 15:51 0.00200 07/24/16 12:38 **Nickel** 1.65 0.000500 mg/L

Client Sample ID: MW-5 Lab Sample ID: 490-108145-6 Date Collected: 07/20/16 17:04 **Matrix: Water**

Date Received: 07/21/16 09:20

| Method: 9056A - Anions, Ion Chroma Analyte | | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Fluoride | 93.2 | | 5.00 | 0.500 | mg/L | | | 07/30/16 01:03 | 50 |
| Method: 6020A - Metals (ICP/MS) | | | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Nickel | 2.18 | | 0.0100 | 0.00250 | mg/L | | 07/24/16 12:38 | 07/26/16 20:37 | 5 |

Client Sample ID: MW-6 Lab Sample ID: 490-108145-7

Date Collected: 07/20/16 11:19 Date Received: 07/21/16 09:20

| Method: 9056A - Anions, Ion Chror | natography | | | | | | | | |
|-----------------------------------|------------|-----------|------|-------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Fluoride | 10.5 | | 1.00 | 0.100 | mg/L | | | 08/03/16 13:54 | 10 |
| Mathada Cooo A Matala (ICD/MC) | | | | | | | | | |

| Method: 6020A - Metals (ICP/MS) | | | | | | | | | |
|---------------------------------|--------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | 0 | Prepared | Analyzed | Dil Fac |
| Nickel | 0.246 | | 0.00200 | 0.000500 | mg/L | | 07/24/16 12:38 | 07/25/16 16:03 | 1 |

Matrix: Water

Project/Site: Former Trent Tube

Client Sample ID: MW-11
Date Collected: 07/19/16 14:39

Date Received: 07/21/16 09:20

Lab Sample ID: 490-108145-8

Matrix: Water

Matrix: Water

| Method: 9056A - Anions, Ion Chron | natography | | | | | | | | |
|-----------------------------------|------------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Fluoride | 0.0253 | J | 0.100 | 0.0100 | mg/L | | | 07/23/16 02:48 | 1 |
| Method: 6020A - Metals (ICP/MS) | | | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Nickel | 0.00131 | J | 0.00200 | 0.000500 | mg/L | | 07/24/16 12:38 | 07/25/16 16:08 | 1 |
| | | | | | | | | | |

Client Sample ID: MW-12

Date Collected: 07/20/16 13:41

Lab Sample ID: 490-108145-9

Matrix: Water

Date Received: 07/21/16 09:20

Method: 9056A - Anions, Ion Chromatography Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Fluoride 2.00 08/03/16 15:37 0.200 mg/L 20 34.1

Method: 6020A - Metals (ICP/MS) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Nickel 0.360 0.00200 0.000500 mg/L 07/24/16 12:38 07/25/16 16:14

Client Sample ID: MW-13

Date Collected: 07/19/16 16:52

Lab Sample ID: 490-108145-10

Matrix: Water

Date Received: 07/21/16 09:20

| Method: 9056A - Anions, Ion Chrom | natography | | | | | | | | |
|-----------------------------------|------------|-----------|-------|--------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Fluoride | 0.154 | | 0.100 | 0.0100 | mg/L | | | 07/23/16 03:05 | 1 |
| Method: 6020A - Metals (ICP/MS) | | | | | | | | | |

 Analyte
 Result Nickel
 Qualifier
 RL Nickel
 MDL Unit Nickel
 D Nickel
 Prepared No.00570
 Analyzed Nickel
 Dil Fac No.00200

Client Sample ID: MW-18

Date Collected: 07/20/16 15:59

Lab Sample ID: 490-108145-11

Matrix: Water

Date Received: 07/21/16 09:20

| Method: 9056A - Anions, Ion Chrom | atography | | | | | | | | |
|-----------------------------------|-----------|-----------|-------|--------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Fluoride | 1.71 | | 0.500 | 0.0500 | mg/L | | | 07/30/16 02:29 | 5 |
| Method: 6020A - Metals (ICP/MS) | | | | | | | | | |

 Method: 6020A - Metals (ICP/MS)

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Nickel
 0.0461
 0.00200
 0.000500
 mg/L
 07/24/16 12:38
 07/25/16 16:25
 1

Client Sample ID: MW-12D

Date Collected: 07/19/16 19:27

Lab Sample ID: 490-108145-12

Matrix: Water

Date Received: 07/21/16 09:20

| Method: 9056A - Anions, Ion Chror | natography | | | | | | | | |
|-----------------------------------|------------|-----------|-------|--------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Fluoride | 0.372 | | 0.100 | 0.0100 | mg/L | | | 07/23/16 03:22 | 1 |

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Client Sample ID: MW-12D

Date Collected: 07/19/16 19:27 Date Received: 07/21/16 09:20 Lab Sample ID: 490-108145-12

Matrix: Water

| Method: 6020A - Metals (ICP/MS) | | | | | | | | | |
|---------------------------------|---------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | כ | Prepared | Analyzed | Dil Fac |
| Nickel | 0.00121 | J | 0.00200 | 0.000500 | mg/L | | 07/24/16 12:38 | 07/25/16 16:30 | 1 |

Client Sample ID: MW-23 Lab Sample ID: 490-108145-13

Matrix: Water

Date Collected: 07/19/16 12:58 Date Received: 07/21/16 09:20

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | 0.150 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.240 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.250 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10.0 | 0.940 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 1.00 | 0.210 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | 0.250 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 20:11 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | 0.160 | ug/L | | | 07/22/16 20:11 | 1 |
| 2-Butanone (MEK) | ND | | 50.0 | 2.64 | ug/L | | | 07/22/16 20:11 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 20:11 | 1 |
| 2-Hexanone | ND | | 10.0 | 1.28 | ug/L | | | 07/22/16 20:11 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 0.810 | ug/L | | | 07/22/16 20:11 | 1 |
| Acetone | ND | | 25.0 | 2.66 | ug/L | | | 07/22/16 20:11 | 1 |
| Benzene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 20:11 | 1 |
| Bromobenzene | ND | | 1.00 | 0.210 | ug/L | | | 07/22/16 20:11 | 1 |
| Bromochloromethane | ND | | 1.00 | 0.150 | _ | | | 07/22/16 20:11 | 1 |
| Bromodichloromethane | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| Bromoform | ND | | 1.00 | 0.290 | ug/L | | | 07/22/16 20:11 | 1 |
| Bromomethane | ND | | 1.00 | 0.350 | - | | | 07/22/16 20:11 | 1 |
| Carbon disulfide | ND | | 1.00 | 0.220 | | | | 07/22/16 20:11 | 1 |
| Carbon tetrachloride | ND | | 1.00 | 0.180 | _ | | | 07/22/16 20:11 | 1 |
| Chlorobenzene | ND | | 1.00 | 0.180 | - | | | 07/22/16 20:11 | 1 |
| Chlorodibromomethane | ND | | 1.00 | 0.250 | | | | 07/22/16 20:11 | 1 |
| Chloroethane | ND | | 1.00 | 0.360 | - | | | 07/22/16 20:11 | 1 |
| Chloroform | ND | | 1.00 | 0.230 | - | | | 07/22/16 20:11 | 1 |
| Chloromethane | ND | | 1.00 | 0.360 | | | | 07/22/16 20:11 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.210 | | | | 07/22/16 20:11 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.170 | _ | | | 07/22/16 20:11 | 1 |

TestAmerica Nashville

Page 10 of 41

8/4/2016

4

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6

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9

11

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

Date Received: 07/21/16 09:20

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Lab Sample ID: 490-108145-13

Client Sample ID: MW-23 Date Collected: 07/19/16 12:58

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Dibromomethane | ND | | 1.00 | 0.450 | ug/L | | | 07/22/16 20:11 | 1 |
| Dichlorodifluoromethane | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| Ethylbenzene | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 20:11 | 1 |
| Hexachlorobutadiene | ND | | 2.00 | 0.380 | ug/L | | | 07/22/16 20:11 | 1 |
| Isopropylbenzene | ND | | 1.00 | 0.330 | ug/L | | | 07/22/16 20:11 | 1 |
| Methyl tert-butyl ether | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| Methylene Chloride | ND | | 5.00 | 1.00 | ug/L | | | 07/22/16 20:11 | 1 |
| Naphthalene | ND | | 5.00 | 0.210 | ug/L | | | 07/22/16 20:11 | 1 |
| n-Butylbenzene | ND | | 1.00 | 0.240 | ug/L | | | 07/22/16 20:11 | 1 |
| N-Propylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| p-Isopropyltoluene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| sec-Butylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| Styrene | ND | | 1.00 | 0.280 | ug/L | | | 07/22/16 20:11 | 1 |
| tert-Butylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| Tetrachloroethene | ND | | 1.00 | 0.140 | ug/L | | | 07/22/16 20:11 | 1 |
| Toluene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 20:11 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:11 | 1 |
| Trichloroethene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 20:11 | 1 |
| Trichlorofluoromethane | ND | * | 1.00 | 0.210 | ug/L | | | 07/22/16 20:11 | 1 |
| Vinyl chloride | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 20:11 | 1 |
| Xylenes, Total | ND | | 3.00 | 0.580 | ug/L | | | 07/22/16 20:11 | 1 |

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|---------------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 93 | 70 - 130 | | 07/22/16 20:11 | 1 |
| 4-Bromofluorobenzene (Surr) | 110 | 70 - 130 | | 07/22/16 20:11 | 1 |
| Dibromofluoromethane (Surr) | 93 | 70 - 130 | | 07/22/16 20:11 | 1 |
| Toluene-d8 (Surr) | 103 | 70 - 130 | | 07/22/16 20:11 | 1 |

| Method: 9056A - Anions, Ion Chromatography | | | | | | | | | | |
|--|----------|--------|-----------|-------|--------|------|---|----------|----------------|---------|
| | Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| l | Fluoride | 0.0173 | J | 0.100 | 0.0100 | mg/L | | | 07/23/16 03:39 | 1 |

| Method: 6020A - Metals (ICP/MS) | | | | | | | | | |
|---------------------------------|---------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Nickel | 0.00160 | J | 0.00200 | 0.000500 | mg/L | | 07/26/16 08:35 | 07/26/16 22:06 | 1 |

Client Sample ID: Trip Blank Lab Sample ID: 490-108145-14 **Matrix: Water**

Date Collected: 07/19/16 00:01 Date Received: 07/21/16 09:20

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | 0.150 | ug/L | | | 07/22/16 16:51 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 16:51 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 16:51 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 16:51 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.240 | ug/L | | | 07/22/16 16:51 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.250 | ug/L | | | 07/22/16 16:51 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 16:51 | 1 |

TestAmerica Nashville

Page 11 of 41

8/4/2016

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Lab Sample ID: 490-108145-14

Matrice Matrice Matrice

Matrix: Water

Client Sample ID: Trip Blank

Date Collected: 07/19/16 00:01 Date Received: 07/21/16 09:20

| Analyte | Result Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa |
|----------------------------------|------------------|------|-------|--------------|---|----------|----------------|--------|
| 1,2,3-Trichlorobenzene | ND ND | 1.00 | 0.230 | ug/L | | | 07/22/16 16:51 | |
| 1,2,3-Trichloropropane | ND | 1.00 | 0.230 | ug/L | | | 07/22/16 16:51 | |
| 1,2,4-Trichlorobenzene | ND | 1.00 | 0.200 | ug/L | | | 07/22/16 16:51 | |
| 1,2,4-Trimethylbenzene | ND | 1.00 | 0.170 | ug/L | | | 07/22/16 16:51 | |
| 1,2-Dibromo-3-Chloropropane | ND | 10.0 | 0.940 | ug/L | | | 07/22/16 16:51 | |
| 1,2-Dibromoethane (EDB) | ND | 1.00 | 0.210 | ug/L | | | 07/22/16 16:51 | |
| 1,2-Dichlorobenzene | ND | 1.00 | 0.190 | ug/L | | | 07/22/16 16:51 | |
| 1,2-Dichloroethane | ND | 1.00 | 0.200 | ug/L | | | 07/22/16 16:51 | |
| 1,2-Dichloropropane | ND | 1.00 | 0.250 | ug/L | | | 07/22/16 16:51 | |
| 1,3,5-Trimethylbenzene | ND | 1.00 | 0.170 | ug/L | | | 07/22/16 16:51 | |
| 1,3-Dichlorobenzene | ND | 1.00 | 0.180 | ug/L | | | 07/22/16 16:51 | |
| 1,3-Dichloropropane | ND | 1.00 | 0.190 | . | | | 07/22/16 16:51 | |
| 1,4-Dichlorobenzene | ND | 1.00 | 0.170 | _ | | | 07/22/16 16:51 | |
| 2,2-Dichloropropane | ND | 1.00 | 0.160 | - | | | 07/22/16 16:51 | |
| 2-Butanone (MEK) | ND | 50.0 | | ug/L | | | 07/22/16 16:51 | |
| 2-Chlorotoluene | ND | 1.00 | 0.180 | _ | | | 07/22/16 16:51 | |
| 2-Hexanone | ND | 10.0 | | ug/L | | | 07/22/16 16:51 | |
| 4-Chlorotoluene | ND | 1.00 | 0.170 | | | | 07/22/16 16:51 | |
| 4-Methyl-2-pentanone (MIBK) | ND | 10.0 | 0.810 | _ | | | 07/22/16 16:51 | |
| Acetone (MISIN) | ND | 25.0 | | ug/L | | | 07/22/16 16:51 | |
| Benzene | ND | 1.00 | 0.200 | | | | 07/22/16 16:51 | |
| Bromobenzene | ND | 1.00 | 0.210 | _ | | | 07/22/16 16:51 | |
| Bromochloromethane | ND | 1.00 | 0.150 | _ | | | 07/22/16 16:51 | |
| Bromodichloromethane | ND | 1.00 | 0.170 | . | | | 07/22/16 16:51 | |
| Bromoform | ND ND | 1.00 | | _ | | | 07/22/16 16:51 | |
| | ND ND | 1.00 | 0.290 | _ | | | | |
| Bromomethane Carbon disulfide | | | 0.350 | | | | 07/22/16 16:51 | |
| | ND ND | 1.00 | | | | | 07/22/16 16:51 | |
| Carbon tetrachloride | ND | 1.00 | 0.180 | - | | | 07/22/16 16:51 | |
| Chlorobenzene | ND | 1.00 | 0.180 | . | | | 07/22/16 16:51 | |
| Chlorodibromomethane | ND | 1.00 | 0.250 | - | | | 07/22/16 16:51 | |
| Chloroethane | ND | 1.00 | 0.360 | | | | 07/22/16 16:51 | |
| Chloroform | ND | 1.00 | 0.230 | | | | 07/22/16 16:51 | |
| Chloromethane | ND | 1.00 | 0.360 | - | | | 07/22/16 16:51 | |
| cis-1,2-Dichloroethene | ND | 1.00 | 0.210 | - | | | 07/22/16 16:51 | |
| cis-1,3-Dichloropropene | ND | 1.00 | 0.170 | | | | 07/22/16 16:51 | |
| Dibromomethane | ND | 1.00 | 0.450 | | | | 07/22/16 16:51 | |
| Dichlorodifluoromethane | ND | 1.00 | 0.170 | | | | 07/22/16 16:51 | |
| Ethylbenzene | ND | 1.00 | 0.190 | | | | 07/22/16 16:51 | |
| Hexachlorobutadiene | ND | 2.00 | 0.380 | | | | 07/22/16 16:51 | |
| sopropylbenzene | ND | 1.00 | 0.330 | - | | | 07/22/16 16:51 | |
| Methyl tert-butyl ether | ND | 1.00 | 0.170 | | | | 07/22/16 16:51 | |
| Methylene Chloride | ND | 5.00 | | ug/L | | | 07/22/16 16:51 | |
| Naphthalene | ND | 5.00 | 0.210 | - | | | 07/22/16 16:51 | |
| n-Butylbenzene | ND | 1.00 | 0.240 | . | | | 07/22/16 16:51 | |
| N-Propylbenzene | ND | 1.00 | 0.170 | - | | | 07/22/16 16:51 | |
| o-Isopropyltoluene | ND | 1.00 | 0.170 | ug/L | | | 07/22/16 16:51 | |
| sec-Butylbenzene | ND | 1.00 | 0.170 | ug/L | | | 07/22/16 16:51 | |
| Styrene | ND | 1.00 | 0.280 | ug/L | | | 07/22/16 16:51 | |
| tert-Butylbenzene | ND | 1.00 | 0.170 | ug/L | | | 07/22/16 16:51 | |
| | | | | | | | | |

TestAmerica Nashville

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12

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Lab Sample ID: 490-108145-14

Client Sample ID: Trip Blank Date Collected: 07/19/16 00:01 Matrix: Water

Date Received: 07/21/16 09:20

| Method: 8260B - Volatile Orga | nic Compounds (| (GC/MS) (C | ontinued) | | | | | | |
|-------------------------------|-----------------|------------|-----------|-------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Tetrachloroethene | ND | | 1.00 | 0.140 | ug/L | | | 07/22/16 16:51 | 1 |
| Toluene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 16:51 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 16:51 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 16:51 | 1 |
| Trichloroethene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 16:51 | 1 |
| Trichlorofluoromethane | ND | * | 1.00 | 0.210 | ug/L | | | 07/22/16 16:51 | 1 |
| Vinyl chloride | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 16:51 | 1 |
| Xylenes, Total | ND | | 3.00 | 0.580 | ug/L | | | 07/22/16 16:51 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 70 - 130 | | | _ | | 07/22/16 16:51 | 1 |
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 | | | | | 07/22/16 16:51 | 1 |
| Dibromofluoromethane (Surr) | 94 | | 70 - 130 | | | | | 07/22/16 16:51 | 1 |
| Toluene-d8 (Surr) | 102 | | 70 - 130 | | | | | 07/22/16 16:51 | 1 |

Lab Sample ID: 490-108145-15 **Client Sample ID: Rinsate**

Date Collected: 07/19/16 19:45 Matrix: Water

Date Received: 07/21/16 09:20

| Analyte | Result Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND ND | 1.00 | 0.150 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,1,1-Trichloroethane | ND | 1.00 | 0.190 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | 0.190 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,1,2-Trichloroethane | ND | 1.00 | 0.190 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,1-Dichloroethane | ND | 1.00 | 0.240 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,1-Dichloroethene | ND | 1.00 | 0.250 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,1-Dichloropropene | ND | 1.00 | 0.200 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,2,3-Trichlorobenzene | ND | 1.00 | 0.230 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,2,3-Trichloropropane | ND | 1.00 | 0.230 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,2,4-Trichlorobenzene | ND | 1.00 | 0.200 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,2,4-Trimethylbenzene | ND | 1.00 | 0.170 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | 10.0 | 0.940 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,2-Dibromoethane (EDB) | ND | 1.00 | 0.210 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,2-Dichlorobenzene | ND | 1.00 | 0.190 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,2-Dichloroethane | ND | 1.00 | 0.200 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,2-Dichloropropane | ND | 1.00 | 0.250 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,3,5-Trimethylbenzene | ND | 1.00 | 0.170 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,3-Dichlorobenzene | ND | 1.00 | 0.180 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,3-Dichloropropane | ND | 1.00 | 0.190 | ug/L | | | 07/22/16 17:19 | 1 |
| 1,4-Dichlorobenzene | ND | 1.00 | 0.170 | ug/L | | | 07/22/16 17:19 | 1 |
| 2,2-Dichloropropane | ND | 1.00 | 0.160 | ug/L | | | 07/22/16 17:19 | 1 |
| 2-Butanone (MEK) | ND | 50.0 | 2.64 | ug/L | | | 07/22/16 17:19 | 1 |
| 2-Chlorotoluene | ND | 1.00 | 0.180 | ug/L | | | 07/22/16 17:19 | 1 |
| 2-Hexanone | ND | 10.0 | 1.28 | ug/L | | | 07/22/16 17:19 | 1 |
| 4-Chlorotoluene | ND | 1.00 | 0.170 | ug/L | | | 07/22/16 17:19 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | 10.0 | 0.810 | ug/L | | | 07/22/16 17:19 | 1 |
| Acetone | ND | 25.0 | 2.66 | ug/L | | | 07/22/16 17:19 | 1 |
| Benzene | ND | 1.00 | 0.200 | ug/L | | | 07/22/16 17:19 | 1 |
| Bromobenzene | ND | 1.00 | 0.210 | ug/L | | | 07/22/16 17:19 | 1 |

TestAmerica Nashville

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Client Sample ID: Rinsate

Date Collected: 07/19/16 19:45 Date Received: 07/21/16 09:20

Nickel

Lab Sample ID: 490-108145-15

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa |
|--|------------|-----------|----------|--------|------|---|----------|----------------|---------|
| Bromochloromethane | ND | | 1.00 | 0.150 | ug/L | | | 07/22/16 17:19 | |
| Bromodichloromethane | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 17:19 | |
| Bromoform | ND | | 1.00 | 0.290 | ug/L | | | 07/22/16 17:19 | |
| Bromomethane | ND | | 1.00 | 0.350 | ug/L | | | 07/22/16 17:19 | |
| Carbon disulfide | ND | | 1.00 | 0.220 | ug/L | | | 07/22/16 17:19 | |
| Carbon tetrachloride | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 17:19 | |
| Chlorobenzene | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 17:19 | |
| Chlorodibromomethane | ND | | 1.00 | 0.250 | ug/L | | | 07/22/16 17:19 | |
| Chloroethane | ND | | 1.00 | 0.360 | ug/L | | | 07/22/16 17:19 | |
| Chloroform | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 17:19 | |
| Chloromethane | ND | | 1.00 | 0.360 | ug/L | | | 07/22/16 17:19 | |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.210 | ug/L | | | 07/22/16 17:19 | |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 17:19 | |
| Dibromomethane | ND | | 1.00 | 0.450 | | | | 07/22/16 17:19 | |
| Dichlorodifluoromethane | ND | | 1.00 | 0.170 | - | | | 07/22/16 17:19 | |
| Ethylbenzene | ND | | 1.00 | 0.190 | | | | 07/22/16 17:19 | |
| Hexachlorobutadiene | ND | | 2.00 | 0.380 | | | | 07/22/16 17:19 | |
| Isopropylbenzene | ND | | 1.00 | 0.330 | _ | | | 07/22/16 17:19 | |
| Methyl tert-butyl ether | ND | | 1.00 | 0.170 | | | | 07/22/16 17:19 | |
| Methylene Chloride | ND | | 5.00 | | ug/L | | | 07/22/16 17:19 | |
| Naphthalene | ND | | 5.00 | 0.210 | | | | 07/22/16 17:19 | |
| n-Butylbenzene | ND | | 1.00 | 0.240 | | | | 07/22/16 17:19 | |
| N-Propylbenzene | ND | | 1.00 | 0.170 | | | | 07/22/16 17:19 | |
| p-Isopropyltoluene | ND | | 1.00 | 0.170 | | | | 07/22/16 17:19 | |
| sec-Butylbenzene | ND | | 1.00 | 0.170 | - | | | 07/22/16 17:19 | |
| Styrene | ND | | 1.00 | 0.280 | | | | 07/22/16 17:19 | |
| tert-Butylbenzene | ND | | 1.00 | 0.170 | - | | | 07/22/16 17:19 | |
| Tetrachloroethene | ND | | 1.00 | 0.140 | | | | 07/22/16 17:19 | |
| Toluene | ND | | 1.00 | 0.170 | | | | 07/22/16 17:19 | |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.230 | | | | 07/22/16 17:19 | |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.170 | | | | 07/22/16 17:19 | |
| Trichloroethene | ND | | 1.00 | 0.200 | | | | 07/22/16 17:19 | |
| Trichlorofluoromethane | ND | * | 1.00 | 0.210 | | | | 07/22/16 17:19 | |
| Vinyl chloride | ND | | 1.00 | 0.180 | _ | | | 07/22/16 17:19 | |
| Xylenes, Total | ND | | 3.00 | 0.580 | | | | 07/22/16 17:19 | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 70 - 130 | | | - | | 07/22/16 17:19 | |
| 4-Bromofluorobenzene (Surr) | 112 | | 70 - 130 | | | | | 07/22/16 17:19 | |
| Dibromofluoromethane (Surr) | 94 | | 70 - 130 | | | | | 07/22/16 17:19 | |
| Toluene-d8 (Surr) | 102 | | 70 - 130 | | | | | 07/22/16 17:19 | |
| - Method: 9056A - Anions, Ion Chror | natography | | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | | D | Prepared | Analyzed | Dil Fa |
| Fluoride | ND | | 0.100 | 0.0100 | mg/L | | | 07/23/16 03:56 | |
| Method: 6020A - Metals (ICP/MS) | Poor!4 | Qualifier | RL | MDI | Unit | | Droporod | Anglyzod | Dil Fa |
| Analyte | Result | Quanner | - KL | INIDL | Unit | D | Prepared | Analyzed | יווע ra |

TestAmerica Nashville

07/26/16 22:12

07/26/16 08:35

0.00200

0.000500 mg/L

0.000790 J

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

Lab Sample ID: 490-108145-16

TestAmerica Job ID: 490-108145-1

SDG: 27-225273.00/00/1

Matrix: Water

Client Sample ID: Field Duplicate

Date Collected: 07/19/16 00:01 Date Received: 07/21/16 09:20

| Analyte | Result Qualifier | RL | MDI | Linit | D | | | |
|---------------------------------------|------------------|------|-------|--------------|---|----------|----------------|----------------|
| 4.4.4.0. T. (L L | | NL | MDL | | | Prepared | Analyzed | Dil Fac |
| 1,1,1,2-Tetrachloroethane | ND ND | 1.00 | 0.150 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,1,1-Trichloroethane | ND | 1.00 | 0.190 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | 0.190 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,1,2-Trichloroethane | ND | 1.00 | 0.190 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,1-Dichloroethane | ND | 1.00 | 0.240 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,1-Dichloroethene | ND | 1.00 | 0.250 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,1-Dichloropropene | ND | 1.00 | 0.200 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,2,3-Trichlorobenzene | ND | 1.00 | 0.230 | ug/L | | | 07/22/16 20:39 | • |
| 1,2,3-Trichloropropane | ND | 1.00 | 0.230 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,2,4-Trichlorobenzene | ND | 1.00 | 0.200 | ug/L | | | 07/22/16 20:39 | |
| 1,2,4-Trimethylbenzene | ND | 1.00 | 0.170 | ug/L | | | 07/22/16 20:39 | |
| 1,2-Dibromo-3-Chloropropane | ND | 10.0 | 0.940 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,2-Dibromoethane (EDB) | ND | 1.00 | 0.210 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,2-Dichlorobenzene | ND | 1.00 | 0.190 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,2-Dichloroethane | ND | 1.00 | 0.200 | ug/L | | | 07/22/16 20:39 | 1 |
| 1,2-Dichloropropane | ND | 1.00 | 0.250 | ug/L | | | 07/22/16 20:39 | , |
| 1,3,5-Trimethylbenzene | ND | 1.00 | | - | | | 07/22/16 20:39 | |
| 1,3-Dichlorobenzene | ND | 1.00 | 0.180 | - | | | 07/22/16 20:39 | 1 |
| 1,3-Dichloropropane | ND | 1.00 | 0.190 | | | | 07/22/16 20:39 | _. 1 |
| 1,4-Dichlorobenzene | ND | 1.00 | 0.170 | | | | 07/22/16 20:39 | |
| 2,2-Dichloropropane | ND | 1.00 | 0.160 | - | | | 07/22/16 20:39 | 1 |
| 2-Butanone (MEK) | ND | 50.0 | | ug/L | | | 07/22/16 20:39 | 1 |
| 2-Chlorotoluene | ND | 1.00 | 0.180 | | | | 07/22/16 20:39 | 1 |
| 2-Hexanone | ND | 10.0 | | ug/L | | | 07/22/16 20:39 | 1 |
| 4-Chlorotoluene | ND | 1.00 | 0.170 | | | | 07/22/16 20:39 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | 10.0 | 0.810 | _ | | | 07/22/16 20:39 | 1 |
| Acetone | ND | 25.0 | | ug/L | | | 07/22/16 20:39 | 1 |
| Benzene | ND | 1.00 | 0.200 | | | | 07/22/16 20:39 | |
| Bromobenzene | ND | 1.00 | 0.210 | _ | | | 07/22/16 20:39 | 1 |
| Bromochloromethane | ND | 1.00 | 0.150 | - | | | 07/22/16 20:39 | 1 |
| Bromodichloromethane | ND | 1.00 | 0.170 | | | | 07/22/16 20:39 | |
| Bromoform | ND | 1.00 | 0.290 | _ | | | 07/22/16 20:39 | 1 |
| Bromomethane | ND | 1.00 | 0.350 | | | | 07/22/16 20:39 | 1 |
| Carbon disulfide | ND | 1.00 | 0.220 | . | | | 07/22/16 20:39 | · · · · · . |
| | ND | | | _ | | | | , |
| Carbon tetrachloride | | 1.00 | 0.180 | | | | 07/22/16 20:39 | |
| Chlorobenzene Chlorodibromomethane | ND ND | 1.00 | 0.180 | | | | 07/22/16 20:39 | 1 |
| | ND | 1.00 | 0.250 | | | | 07/22/16 20:39 | 1 |
| Chloroethane | ND | 1.00 | 0.360 | • | | | 07/22/16 20:39 | 1 |
| Chloroform | ND | 1.00 | 0.230 | | | | 07/22/16 20:39 | 1 |
| Chloromethane | ND | 1.00 | 0.360 | - | | | 07/22/16 20:39 | 1 |
| cis-1,2-Dichloroethene | ND | 1.00 | 0.210 | _ | | | 07/22/16 20:39 | 1 |
| cis-1,3-Dichloropropene | ND | 1.00 | 0.170 | | | | 07/22/16 20:39 | |
| Dibromomethane | ND | 1.00 | 0.450 | _ | | | 07/22/16 20:39 | • |
| Dichlorodifluoromethane | ND | 1.00 | 0.170 | _ | | | 07/22/16 20:39 | , |
| Ethylbenzene | ND | 1.00 | 0.190 | | | | 07/22/16 20:39 | 1 |
| Hexachlorobutadiene | ND | 2.00 | 0.380 | | | | 07/22/16 20:39 | 1 |
| Isopropylbenzene | ND | 1.00 | 0.330 | | | | 07/22/16 20:39 | 1 |
| Methyl tert-butyl ether | ND | 1.00 | 0.170 | ug/L | | | 07/22/16 20:39 | 1 |
| Methylene Chloride | ND | 5.00 | 1.00 | ug/L | | | 07/22/16 20:39 | |

TestAmerica Nashville

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Client Sample ID: Field Duplicate

Date Collected: 07/19/16 00:01 Date Received: 07/21/16 09:20

Nickel

Lab Sample ID: 490-108145-16

07/26/16 08:35

07/26/16 22:18

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|---------------|-----------|----------|--------|------|---|----------|----------------|---------|
| Naphthalene | ND | | 5.00 | 0.210 | ug/L | | | 07/22/16 20:39 | 1 |
| n-Butylbenzene | ND | | 1.00 | 0.240 | ug/L | | | 07/22/16 20:39 | 1 |
| N-Propylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:39 | 1 |
| p-Isopropyltoluene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:39 | 1 |
| sec-Butylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:39 | 1 |
| Styrene | ND | | 1.00 | 0.280 | ug/L | | | 07/22/16 20:39 | 1 |
| tert-Butylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:39 | 1 |
| Tetrachloroethene | ND | | 1.00 | 0.140 | ug/L | | | 07/22/16 20:39 | 1 |
| Toluene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:39 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 20:39 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 20:39 | 1 |
| Trichloroethene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 20:39 | 1 |
| Trichlorofluoromethane | ND | * | 1.00 | 0.210 | ug/L | | | 07/22/16 20:39 | 1 |
| Vinyl chloride | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 20:39 | 1 |
| Xylenes, Total | ND | | 3.00 | 0.580 | ug/L | | | 07/22/16 20:39 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 70 - 130 | | | - | | 07/22/16 20:39 | 1 |
| 4-Bromofluorobenzene (Surr) | 109 | | 70 - 130 | | | | | 07/22/16 20:39 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 70 - 130 | | | | | 07/22/16 20:39 | 1 |
| Toluene-d8 (Surr) | 103 | | 70 - 130 | | | | | 07/22/16 20:39 | 1 |
| Method: 9056A - Anions, Ion C | hromatography | | | | | | | | |
| Analyte | | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Fluoride | 0.0175 | J | 0.100 | 0.0100 | mg/L | | | 07/23/16 04:13 | 1 |
| Method: 6020A - Metals (ICP/M | IS) | | | | | | | | |
| Analyte | • | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |

0.00200

0.000500 mg/L

0.00173 J

QC Sample Results

Client: Environmental Compliance Services, Inc.

TestAmerica Job ID: 490-108145-1 Project/Site: Former Trent Tube SDG: 27-225273.00/00/1

MB MB

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-357218/7 **Matrix: Water**

Ethylbenzene

Hexachlorobutadiene

Methyl tert-butyl ether

Isopropylbenzene

Analysis Batch: 357218

Client Sample ID: Method Blank Prep Type: Total/NA

| | MB | MB | | | | | | | |
|-----------------------------|----------|-----------|------|-------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | 0.150 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | 0.240 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | 0.250 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10.0 | 0.940 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 1.00 | 0.210 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | 0.250 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | 0.190 | ug/L | | | 07/22/16 15:44 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 15:44 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | 0.160 | _ | | | 07/22/16 15:44 | 1 |
| 2-Butanone (MEK) | ND | | 50.0 | 2.64 | | | | 07/22/16 15:44 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | 0.180 | | | | 07/22/16 15:44 | 1 |
| 2-Hexanone | ND | | 10.0 | 1.28 | - | | | 07/22/16 15:44 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | 0.170 | | | | 07/22/16 15:44 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 10.0 | 0.810 | _ | | | 07/22/16 15:44 | 1 |
| Acetone | ND | | 25.0 | 2.66 | _ | | | 07/22/16 15:44 | 1 |
| Benzene | ND | | 1.00 | 0.200 | | | | 07/22/16 15:44 | 1 |
| Bromobenzene | ND | | 1.00 | 0.210 | - | | | 07/22/16 15:44 | 1 |
| Bromochloromethane | ND | | 1.00 | 0.150 | | | | 07/22/16 15:44 | 1 |
| Bromodichloromethane | ND | | 1.00 | 0.170 | | | | 07/22/16 15:44 | 1 |
| Bromoform | ND | | 1.00 | 0.290 | _ | | | 07/22/16 15:44 | 1 |
| Bromomethane | ND | | 1.00 | 0.350 | | | | 07/22/16 15:44 | 1 |
| Carbon disulfide | ND | | 1.00 | 0.220 | | | | 07/22/16 15:44 | |
| Carbon tetrachloride | ND | | 1.00 | 0.180 | _ | | | 07/22/16 15:44 | 1 |
| Chlorobenzene | ND | | 1.00 | 0.180 | | | | 07/22/16 15:44 | 1 |
| Chlorodibromomethane | ND | | 1.00 | 0.250 | | | | 07/22/16 15:44 | |
| Chloroethane | ND | | 1.00 | 0.360 | | | | 07/22/16 15:44 | 1 |
| Chloroform | ND | | 1.00 | 0.230 | _ | | | 07/22/16 15:44 | 1 |
| Chloromethane | ND | | 1.00 | 0.360 | | | | 07/22/16 15:44 | |
| cis-1,2-Dichloroethene | ND | | 1.00 | 0.210 | - | | | 07/22/16 15:44 | 1 |
| cis-1,3-Dichloropropene | ND | | 1.00 | 0.210 | _ | | | 07/22/16 15:44 | 1 |
| Dibromomethane | ND | | 1.00 | 0.170 | | | | 07/22/16 15:44 | 1 |
| Dichlorodifluoromethane | ND ND | | 1.00 | | - | | | 07/22/16 15:44 | 1 |
| Dichiorodiliuorometriane | ND | | 1.00 | 0.170 | ug/L | | | 01122110 13.44 | ı |

TestAmerica Nashville

8/4/2016

07/22/16 15:44

07/22/16 15:44

07/22/16 15:44

07/22/16 15:44

1.00

2.00

1.00

1.00

0.190 ug/L

0.380 ug/L

0.330 ug/L

0.170 ug/L

ND

ND

ND

ND

TestAmerica Job ID: 490-108145-1

Client: Environmental Compliance Services, Inc. Project/Site: Former Trent Tube SDG: 27-225273.00/00/1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-357218/7

Matrix: Water

Analysis Batch: 357218

Client Sample ID: Method Blank Prep Type: Total/NA

| | MB | MB | | | | | | | |
|---------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Methylene Chloride | ND | | 5.00 | 1.00 | ug/L | | | 07/22/16 15:44 | 1 |
| Naphthalene | ND | | 5.00 | 0.210 | ug/L | | | 07/22/16 15:44 | 1 |
| n-Butylbenzene | ND | | 1.00 | 0.240 | ug/L | | | 07/22/16 15:44 | 1 |
| N-Propylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 15:44 | 1 |
| p-Isopropyltoluene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 15:44 | 1 |
| sec-Butylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 15:44 | 1 |
| Styrene | ND | | 1.00 | 0.280 | ug/L | | | 07/22/16 15:44 | 1 |
| tert-Butylbenzene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 15:44 | 1 |
| Tetrachloroethene | ND | | 1.00 | 0.140 | ug/L | | | 07/22/16 15:44 | 1 |
| Toluene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 15:44 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | 0.230 | ug/L | | | 07/22/16 15:44 | 1 |
| trans-1,3-Dichloropropene | ND | | 1.00 | 0.170 | ug/L | | | 07/22/16 15:44 | 1 |
| Trichloroethene | ND | | 1.00 | 0.200 | ug/L | | | 07/22/16 15:44 | 1 |
| Trichlorofluoromethane | ND | | 1.00 | 0.210 | ug/L | | | 07/22/16 15:44 | 1 |
| Vinyl chloride | ND | | 1.00 | 0.180 | ug/L | | | 07/22/16 15:44 | 1 |
| Xylenes, Total | ND | | 3.00 | 0.580 | ug/L | | | 07/22/16 15:44 | 1 |
| | | | | | | | | | |

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| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|---------------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96 | 70 - 130 | | 07/22/16 15:44 | 1 |
| 4-Bromofluorobenzene (Surr) | 109 | 70 - 130 | | 07/22/16 15:44 | 1 |
| Dibromofluoromethane (Surr) | 95 | 70 - 130 | | 07/22/16 15:44 | 1 |
| Toluene-d8 (Surr) | 102 | 70 - 130 | | 07/22/16 15:44 | 1 |

Lab Sample ID: LCS 490-357218/3

Matrix: Water

Analysis Batch: 357218

Client Sample ID: Lab Control Sample Prep Type: Total/NA

| | Spike | LCS | LCS | | | | %Rec. |
|-----------------------------|-------|--------|-----------|------|---|------|---------------------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| 1,1,1,2-Tetrachloroethane | 20.0 | 17.14 | | ug/L | | 86 | 70 - 130 |
| 1,1,1-Trichloroethane | 20.0 | 15.95 | | ug/L | | 80 | 70 - 135 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 18.79 | | ug/L | | 94 | 69 - 131 |
| 1,1,2-Trichloroethane | 20.0 | 18.23 | | ug/L | | 91 | 70 - 130 |
| 1,1-Dichloroethane | 20.0 | 19.31 | | ug/L | | 97 | 70 - 130 |
| 1,1-Dichloroethene | 20.0 | 19.13 | | ug/L | | 96 | 70 - 132 |
| 1,1-Dichloropropene | 20.0 | 17.84 | | ug/L | | 89 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 20.0 | 16.87 | | ug/L | | 84 | 46 - 150 |
| 1,2,3-Trichloropropane | 20.0 | 17.90 | | ug/L | | 90 | 70 - 131 |
| 1,2,4-Trichlorobenzene | 20.0 | 17.12 | | ug/L | | 86 | 58 ₋ 147 |
| 1,2,4-Trimethylbenzene | 20.0 | 20.51 | | ug/L | | 103 | 70 - 130 |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 15.65 | | ug/L | | 78 | 45 - 138 |
| 1,2-Dibromoethane (EDB) | 20.0 | 17.85 | | ug/L | | 89 | 70 - 130 |
| 1,2-Dichlorobenzene | 20.0 | 19.11 | | ug/L | | 96 | 70 - 130 |
| 1,2-Dichloroethane | 20.0 | 17.19 | | ug/L | | 86 | 70 - 130 |
| 1,2-Dichloropropane | 20.0 | 20.13 | | ug/L | | 101 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 20.0 | 20.51 | | ug/L | | 103 | 70 - 130 |
| 1,3-Dichlorobenzene | 20.0 | 19.27 | | ug/L | | 96 | 70 - 130 |
| 1,3-Dichloropropane | 20.0 | 18.38 | | ug/L | | 92 | 70 - 130 |
| 1,4-Dichlorobenzene | 20.0 | 18.87 | | ug/L | | 94 | 70 - 130 |

TestAmerica Nashville

Page 18 of 41

8/4/2016

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1

SDG: 27-225273.00/00/1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-357218/3

Matrix: Water

Analysis Batch: 357218

Client Sample ID: Lab Control Sample Prep Type: Total/NA

| - | Spike | LCS | LCS | | %Rec. |
|-----------------------------|-------|--------|----------------|--------|---------------------|
| Analyte | Added | Result | Qualifier Unit | D %Rec | Limits |
| 2,2-Dichloropropane | 20.0 | 15.74 | ug/L | 79 | 60 - 143 |
| 2-Butanone (MEK) | 100 | 74.91 | ug/L | 75 | 55 ₋ 143 |
| 2-Chlorotoluene | 20.0 | 18.49 | ug/L | 92 | 70 - 130 |
| 2-Hexanone | 100 | 87.10 | ug/L | 87 | 54 - 142 |
| 4-Chlorotoluene | 20.0 | 20.60 | ug/L | 103 | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK) | 100 | 88.82 | ug/L | 89 | 60 - 137 |
| Acetone | 100 | 78.06 | ug/L | 78 | 39 _ 150 |
| Benzene | 20.0 | 18.96 | ug/L | 95 | 70 - 130 |
| Bromobenzene | 20.0 | 20.17 | ug/L | 101 | 70 - 130 |
| Bromochloromethane | 20.0 | 17.23 | ug/L | 86 | 70 ₋ 130 |
| Bromodichloromethane | 20.0 | 18.62 | ug/L | 93 | 70 - 130 |
| Bromoform | 20.0 | 15.57 | ug/L | 78 | 70 ₋ 137 |
| Bromomethane | 20.0 | 19.28 | ug/L | 96 | 53 ₋ 150 |
| Carbon disulfide | 20.0 | 16.66 | ug/L | 83 | 64 - 135 |
| Carbon tetrachloride | 20.0 | 15.93 | ug/L | 80 | 70 - 147 |
| Chlorobenzene | 20.0 | 19.27 | ug/L | 96 | 70 - 130 |
| Chlorodibromomethane | 20.0 | 16.53 | ug/L | 83 | 70 - 133 |
| Chloroethane | 20.0 | 18.17 | ug/L | 91 | 60 - 138 |
| Chloroform | 20.0 | 17.56 | ug/L | 88 | 70 - 130 |
| Chloromethane | 20.0 | 17.84 | ug/L | 89 | 33 - 150 |
| cis-1,2-Dichloroethene | 20.0 | 18.75 | ug/L | 94 | 70 - 130 |
| cis-1,3-Dichloropropene | 20.0 | 17.86 | ug/L | 89 | 70 ₋ 133 |
| Dibromomethane | 20.0 | 17.89 | ug/L | 89 | 70 - 130 |
| Dichlorodifluoromethane | 20.0 | 17.29 | ug/L | 86 | 48 - 150 |
| Ethylbenzene | 20.0 | 19.49 | ug/L | 97 | 70 ₋ 130 |
| Hexachlorobutadiene | 20.0 | 17.66 | ug/L | 88 | 70 - 138 |
| Isopropylbenzene | 20.0 | 19.78 | ug/L | 99 | 70 ₋ 131 |
| Methyl tert-butyl ether | 20.0 | 16.06 | ug/L | 80 | 70 - 130 |
| Methylene Chloride | 20.0 | 18.19 | ug/L | 91 | 70 - 130 |
| Naphthalene | 20.0 | 18.44 | ug/L | 92 | 54 ₋ 150 |
| n-Butylbenzene | 20.0 | 18.96 | ug/L | 95 | 68 - 137 |
| N-Propylbenzene | 20.0 | 19.21 | ug/L | 96 | 70 - 134 |
| p-Isopropyltoluene | 20.0 | 19.21 | ug/L | 96 | 66 - 130 |
| sec-Butylbenzene | 20.0 | 19.39 | ug/L | 97 | 70 ₋ 135 |
| Styrene | 20.0 | 19.28 | ug/L | 96 | 70 - 130 |
| tert-Butylbenzene | 20.0 | 19.87 | ug/L | 99 | 70 - 130 |
| Tetrachloroethene | 20.0 | 19.09 | ug/L | 95 | 70 ₋ 130 |
| Toluene | 20.0 | 19.54 | ug/L | 98 | 70 - 130 |
| trans-1,2-Dichloroethene | 20.0 | 19.65 | ug/L | 98 | 70 ₋ 130 |
| trans-1,3-Dichloropropene | 20.0 | 16.61 | ug/L | 83 | 63 - 142 |
| Trichloroethene | 20.0 | 19.41 | ug/L | 97 | 70 - 130 |
| Trichlorofluoromethane | 20.0 | 17.30 | ug/L | 86 | 59 ₋ 150 |
| Vinyl chloride | 20.0 | 19.76 | ug/L | 99 | 57 ₋ 137 |
| Xylenes, Total | 40.0 | 39.13 | ug/L | 98 | |

LCS LCS

| Surrogate | %Recovery Qualifier | Limits |
|------------------------------|---------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 95 | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 112 | 70 - 130 |

TestAmerica Nashville

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12

QC Sample Results

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-357218/3

Lab Sample ID: LCSD 490-357218/4

Matrix: Water

Analysis Batch: 357218

Client Sample ID: Lab Control Sample Prep Type: Total/NA

LCS LCS

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| Dibromofluoromethane (Surr) | 89 | | 70 - 130 |
| Toluene-d8 (Surr) | 101 | | 70 - 130 |

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 357218

| | Spike | LCSD | LCSD | | | | %Rec. | | RPI |
|-----------------------------|-------|--------|-----------|------|---|------|----------|-----|---------------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limi |
| 1,1,1,2-Tetrachloroethane | 20.0 | 17.28 | | ug/L | | 86 | 70 - 130 | 1 | 1: |
| 1,1,1-Trichloroethane | 20.0 | 15.75 | | ug/L | | 79 | 70 - 135 | 1 | 1 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 18.45 | | ug/L | | 92 | 69 - 131 | 2 | 1 |
| 1,1,2-Trichloroethane | 20.0 | 18.29 | | ug/L | | 91 | 70 - 130 | 0 | 1 |
| 1,1-Dichloroethane | 20.0 | 19.09 | | ug/L | | 95 | 70 - 130 | 1 | 1 |
| 1,1-Dichloroethene | 20.0 | 19.71 | | ug/L | | 99 | 70 - 132 | 3 | 2 |
| 1,1-Dichloropropene | 20.0 | 17.54 | | ug/L | | 88 | 70 - 130 | 2 | 1 |
| 1,2,3-Trichlorobenzene | 20.0 | 17.32 | | ug/L | | 87 | 46 - 150 | 3 | 1 |
| 1,2,3-Trichloropropane | 20.0 | 17.68 | | ug/L | | 88 | 70 - 131 | 1 | 1 |
| 1,2,4-Trichlorobenzene | 20.0 | 17.22 | | ug/L | | 86 | 58 - 147 | 1 | 1 |
| 1,2,4-Trimethylbenzene | 20.0 | 20.33 | | ug/L | | 102 | 70 - 130 | 1 | 1 |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 15.34 | | ug/L | | 77 | 45 - 138 | 2 | 1 |
| 1,2-Dibromoethane (EDB) | 20.0 | 17.91 | | ug/L | | 90 | 70 - 130 | 0 | 1 |
| 1,2-Dichlorobenzene | 20.0 | 19.09 | | ug/L | | 95 | 70 - 130 | 0 | 1: |
| 1,2-Dichloroethane | 20.0 | 17.49 | | ug/L | | 87 | 70 - 130 | 2 | 1 |
| 1,2-Dichloropropane | 20.0 | 20.02 | | ug/L | | 100 | 70 - 130 | 1 | 1: |
| 1,3,5-Trimethylbenzene | 20.0 | 20.03 | | ug/L | | 100 | 70 - 130 | 2 | 1 |
| 1,3-Dichlorobenzene | 20.0 | 19.50 | | ug/L | | 97 | 70 - 130 | 1 | 1 |
| 1,3-Dichloropropane | 20.0 | 18.43 | | ug/L | | 92 | 70 - 130 | 0 | 1: |
| 1,4-Dichlorobenzene | 20.0 | 18.87 | | ug/L | | 94 | 70 - 130 | 0 | 1: |
| 2,2-Dichloropropane | 20.0 | 15.20 | | ug/L | | 76 | 60 - 143 | 3 | 2 |
| 2-Butanone (MEK) | 100 | 76.64 | | ug/L | | 77 | 55 - 143 | 2 | 1 |
| 2-Chlorotoluene | 20.0 | 18.09 | | ug/L | | 90 | 70 - 130 | 2 | 1: |
| 2-Hexanone | 100 | 87.31 | | ug/L | | 87 | 54 - 142 | 0 | 1 |
| 4-Chlorotoluene | 20.0 | 20.29 | | ug/L | | 101 | 70 - 130 | 2 | 1: |
| 4-Methyl-2-pentanone (MIBK) | 100 | 88.67 | | ug/L | | 89 | 60 - 137 | 0 | 2 |
| Acetone | 100 | 76.13 | | ug/L | | 76 | 39 - 150 | 3 | 2 |
| Benzene | 20.0 | 19.04 | | ug/L | | 95 | 70 - 130 | 0 | 1: |
| Bromobenzene | 20.0 | 20.08 | | ug/L | | 100 | 70 - 130 | 0 | 1 |
| Bromochloromethane | 20.0 | 16.61 | | ug/L | | 83 | 70 - 130 | 4 | 1 |
| Bromodichloromethane | 20.0 | 18.36 | | ug/L | | 92 | 70 - 130 | 1 | 1 |
| Bromoform | 20.0 | 15.64 | | ug/L | | 78 | 70 - 137 | 0 | 1- |
| Bromomethane | 20.0 | 19.11 | | ug/L | | 96 | 53 - 150 | 1 | 1 |
| Carbon disulfide | 20.0 | 16.69 | | ug/L | | 83 | 64 - 135 | 0 | 1 |
| Carbon tetrachloride | 20.0 | 15.39 | | ug/L | | 77 | 70 - 147 | 3 | 1 |
| Chlorobenzene | 20.0 | 19.43 | | ug/L | | 97 | 70 - 130 | 1 | 1: |
| Chlorodibromomethane | 20.0 | 16.96 | | ug/L | | 85 | 70 - 133 | 3 | 1: |
| Chloroethane | 20.0 | 18.07 | | ug/L | | 90 | 60 - 138 | 1 | 1: |
| Chloroform | 20.0 | 17.51 | | ug/L | | 88 | 70 - 130 | 0 | 1 |
| Chloromethane | 20.0 | 17.85 | | ug/L | | 89 | 33 - 150 | | <u>.</u> 2 |

TestAmerica Nashville

Page 20 of 41

8/4/2016

Project/Site: Former Trent Tube

Client: Environmental Compliance Services, Inc. TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-357218/4

Matrix: Water

Analysis Batch: 357218

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

| | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
|---------------------------|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| cis-1,2-Dichloroethene | 20.0 | 18.39 | | ug/L | | 92 | 70 - 130 | 2 | 15 |
| cis-1,3-Dichloropropene | 20.0 | 17.77 | | ug/L | | 89 | 70 - 133 | 0 | 15 |
| Dibromomethane | 20.0 | 17.47 | | ug/L | | 87 | 70 - 130 | 2 | 14 |
| Dichlorodifluoromethane | 20.0 | 17.11 | | ug/L | | 86 | 48 - 150 | 1 | 16 |
| Ethylbenzene | 20.0 | 19.63 | | ug/L | | 98 | 70 - 130 | 1 | 12 |
| Hexachlorobutadiene | 20.0 | 17.54 | | ug/L | | 88 | 70 - 138 | 1 | 16 |
| Isopropylbenzene | 20.0 | 20.01 | | ug/L | | 100 | 70 - 131 | 1 | 13 |
| Methyl tert-butyl ether | 20.0 | 16.51 | | ug/L | | 83 | 70 - 130 | 3 | 16 |
| Methylene Chloride | 20.0 | 18.18 | | ug/L | | 91 | 70 - 130 | 0 | 15 |
| Naphthalene | 20.0 | 18.53 | | ug/L | | 93 | 54 - 150 | 0 | 15 |
| n-Butylbenzene | 20.0 | 18.54 | | ug/L | | 93 | 68 - 137 | 2 | 14 |
| N-Propylbenzene | 20.0 | 19.08 | | ug/L | | 95 | 70 - 134 | 1 | 14 |
| p-Isopropyltoluene | 20.0 | 19.06 | | ug/L | | 95 | 66 - 130 | 1 | 13 |
| sec-Butylbenzene | 20.0 | 19.06 | | ug/L | | 95 | 70 - 135 | 2 | 14 |
| Styrene | 20.0 | 19.41 | | ug/L | | 97 | 70 - 130 | 1 | 12 |
| tert-Butylbenzene | 20.0 | 19.75 | | ug/L | | 99 | 70 - 130 | 1 | 14 |
| Tetrachloroethene | 20.0 | 18.72 | | ug/L | | 94 | 70 - 130 | 2 | 17 |
| Toluene | 20.0 | 19.54 | | ug/L | | 98 | 70 - 130 | 0 | 13 |
| trans-1,2-Dichloroethene | 20.0 | 19.65 | | ug/L | | 98 | 70 - 130 | 0 | 15 |
| trans-1,3-Dichloropropene | 20.0 | 16.65 | | ug/L | | 83 | 63 - 142 | 0 | 13 |
| Trichloroethene | 20.0 | 19.08 | | ug/L | | 95 | 70 - 130 | 2 | 14 |
| Trichlorofluoromethane | 20.0 | 12.23 | * | ug/L | | 61 | 59 - 150 | 34 | 22 |
| Vinyl chloride | 20.0 | 19.41 | | ug/L | | 97 | 57 - 137 | 2 | 15 |
| Xylenes, Total | 40.0 | 39.50 | | ug/L | | 99 | 70 - 132 | 1 | 11 |
| | | | | | | | | | |

LCSD LCSD

| Surrogate | %Recovery | Qualifier | Limits |
|------------------------------|-----------|-----------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 112 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 91 | | 70 - 130 |
| Toluene-d8 (Surr) | 102 | | 70 - 130 |

Lab Sample ID: 490-108128-A-1 MS

Matrix: Water

Analysis Batch: 357218

| Client Sample ID: N | iatrix Spike |
|---------------------|--------------|
| Prep Typ | e: Total/NA |
| | |

| • | Sample | Sample | Spike | MS | MS | | | | %Rec. | |
|-----------------------------|--------|-----------|-------|--------|-----------|------|---|------|---------------------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 1,1,1,2-Tetrachloroethane | ND | | 20.0 | 17.18 | | ug/L | | 86 | 70 - 131 | |
| 1,1,1-Trichloroethane | ND | | 20.0 | 16.34 | | ug/L | | 82 | 68 - 144 | |
| 1,1,2,2-Tetrachloroethane | ND | | 20.0 | 19.57 | | ug/L | | 98 | 56 ₋ 145 | |
| 1,1,2-Trichloroethane | ND | | 20.0 | 19.38 | | ug/L | | 97 | 70 - 130 | |
| 1,1-Dichloroethane | 0.516 | J | 20.0 | 20.01 | | ug/L | | 97 | 61 ₋ 139 | |
| 1,1-Dichloroethene | ND | | 20.0 | 20.35 | | ug/L | | 102 | 54 ₋ 150 | |
| 1,1-Dichloropropene | ND | | 20.0 | 18.24 | | ug/L | | 91 | 54 ₋ 150 | |
| 1,2,3-Trichlorobenzene | ND | | 20.0 | 15.63 | | ug/L | | 78 | 36 _ 150 | |
| 1,2,3-Trichloropropane | ND | | 20.0 | 17.62 | | ug/L | | 88 | 65 ₋ 131 | |
| 1,2,4-Trichlorobenzene | ND | | 20.0 | 16.11 | | ug/L | | 81 | 47 ₋ 147 | |
| 1,2,4-Trimethylbenzene | ND | | 20.0 | 20.00 | | ug/L | | 100 | 64 ₋ 136 | |
| 1,2-Dibromo-3-Chloropropane | ND | | 20.0 | 15.09 | | ug/L | | 75 | 38 - 138 | |

TestAmerica Nashville

Page 21 of 41

QC Sample Results

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-108128-A-1 MS

Matrix: Water

| Client | Sample ID: | Matrix | Spike |
|--------|------------|----------|-------|
| | Prep Ty | /pe: Tot | al/NA |

| Analysis Batch: 357218 | Sample | Sample | Spike | MS | MS | | | | %Rec. | |
|---|-------------|-----------|--------------|----------------|-----------|--------------|---|------------|--|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 1,2-Dibromoethane (EDB) | ND | | 20.0 | 19.02 | | ug/L | | 95 | 65 _ 137 | |
| 1,2-Dichlorobenzene | ND | | 20.0 | 19.32 | | ug/L | | 97 | 70 - 130 | |
| 1,2-Dichloroethane | ND | | 20.0 | 18.21 | | ug/L | | 91 | 64 - 136 | |
| 1,2-Dichloropropane | ND | | 20.0 | 20.93 | | ug/L | | 105 | 67 _ 130 | |
| 1,3,5-Trimethylbenzene | ND | | 20.0 | 20.19 | | ug/L | | 101 | 69 _ 139 | |
| 1,3-Dichlorobenzene | ND | | 20.0 | 19.32 | | ug/L | | 97 | 68 - 131 | |
| 1,3-Dichloropropane | ND | | 20.0 | 19.41 | | ug/L | | 97 | 70 _ 130 | |
| 1,4-Dichlorobenzene | ND | | 20.0 | 19.11 | | ug/L | | 96 | 70 ₋ 130 | |
| 2,2-Dichloropropane | ND | | 20.0 | 14.46 | | ug/L | | 72 | 50 - 146 | |
| 2-Butanone (MEK) | ND | | 100 | 82.51 | | ug/L | | 83 | 50 _ 143 | |
| 2-Chlorotoluene | ND | | 20.0 | 18.22 | | ug/L | | 91 | 67 - 138 | |
| 2-Hexanone | ND | | 100 | 93.71 | | ug/L | | 94 | 44 - 150 | |
| 4-Chlorotoluene | ND | | 20.0 | 20.65 | | ug/L | | 103 | 69 - 138 | |
| 4-Methyl-2-pentanone (MIBK) | ND | | 100 | 96.22 | | ug/L | | 96 | 50 - 140 | |
| Acetone | ND | | 100 | 71.90 | | ug/L | | 72 | 39 - 150 | |
| Benzene | 0.224 | | 20.0 | 19.25 | | ug/L | | 95 | 55 - 147 | |
| Bromobenzene | ND | - | 20.0 | 20.19 | | ug/L | | 101 | 60 - 133 | |
| Bromochloromethane | ND | | 20.0 | 17.86 | | ug/L | | 89 | 59 ₋ 132 | |
| Bromodichloromethane | ND | | 20.0 | 18.79 | | ug/L | | 94 | 70 - 140 | |
| Bromoform | ND | | 20.0 | 15.78 | | ug/L | | 79 | 53 - 150 | |
| Bromomethane | ND | | 20.0 | 17.46 | | ug/L | | 87 | 30 - 150 | |
| Carbon disulfide | ND | | 20.0 | 16.74 | | ug/L | | 84 | 35 - 150 | |
| Carbon tetrachloride | ND | | 20.0 | 16.58 | | ug/L | | 83 | 56 ₋ 150 | |
| Chlorobenzene | ND | | 20.0 | 19.68 | | ug/L | | 98 | 70 - 130 | |
| Chlorodibromomethane | ND | | 20.0 | 17.60 | | ug/L | | 88 | 66 - 140 | |
| Chloroethane | ND | | 20.0 | 20.27 | | ug/L | | 101 | 58 - 141 | |
| Chloroform | ND | | 20.0 | 17.67 | | ug/L | | 88 | 66 - 138 | |
| Chloromethane | ND | | 20.0 | 20.28 | | ug/L | | 101 | 10 - 150 | |
| cis-1,2-Dichloroethene | 26.7 | | 20.0 | 46.78 | | ug/L | | 100 | 68 - 131 | |
| cis-1,3-Dichloropropene | ND | | 20.0 | 18.31 | | ug/L | | 92 | 70 - 133 | |
| Dibromomethane | ND | | 20.0 | 18.56 | | ug/L | | 93 | 70 - 130 | |
| Dichlorodifluoromethane | ND | | 20.0 | 20.15 | | ug/L ug/L | | 101 | 10 - 150 | |
| Ethylbenzene | ND | | 20.0 | 19.73 | | ug/L ug/L | | 99 | 65 - 139 | |
| Hexachlorobutadiene | ND | | 20.0 | 16.66 | | ug/L | | 83 | 61 - 141 | |
| Isopropylbenzene | ND | | 20.0 | 20.94 | | ug/L ug/L | | 105 | 70 - 137 | |
| Methyl tert-butyl ether | 0.724 | 1 | 20.0 | 18.07 | | ug/L ug/L | | 87 | 55 - 141 | |
| Methylene Chloride | ND | | 20.0 | 18.59 | | ug/L | | 93 | 64 - 130 | |
| Naphthalene | ND | | 20.0 | 17.30 | | ug/L ug/L | | 86 | 32 - 150 | |
| n-Butylbenzene | ND | | 20.0 | 18.67 | | ug/L ug/L | | 93 | 61 - 141 | |
| N-Propylbenzene | ND | | 20.0 | 19.27 | | ug/L | | 96 | 53 - 150 | |
| | ND | | 20.0 | 19.32 | | | | 97 | 66 - 137 | |
| p-IsopropyItoluene sec-ButyIbenzene | ND ND | | 20.0 | 19.52 | | ug/L ug/L | | 98 | 55 ₋ 136 | |
| | | | | 20.25 | | | | | 70 - 130 | |
| Styrene tert-Butylbenzene | ND ND | | 20.0 20.0 | 19.99 | | ug/L | | 101 100 | 70 - 130 70 - 138 | |
| | | | 20.0 | | | ug/L | | | | |
| Tetrachloroethene | 1.19 | | | 20.97 | | ug/L | | 99 | 57 - 138 | |
| Toluene trans 1.2 Dichloroothene | ND 0.801 | | 20.0 | 19.95 | | ug/L | | 100 | 64 - 136 50 - 143 | |
| trans-1,2-Dichloroethene trans-1,3-Dichloropropene | 0.801 ND | J | 20.0 20.0 | 20.95 17.29 | | ug/L ug/L | | 101 86 | 59 ₋ 143 63 ₋ 142 | |

TestAmerica Nashville

8/4/2016

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QC Sample Results

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-108128-A-1 MS

Matrix: Water

Analysis Batch: 357218

Client Sample ID: Matrix Spike Prep Type: Total/NA

| | Sample | Sample | Spike | MS | MS | | | | %Rec. | |
|------------------------|--------|-----------|-------|--------|-----------|------|---|------|---------------------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Trichloroethene | 3.72 | | 20.0 | 23.99 | | ug/L | | 101 | 63 - 135 | |
| Trichlorofluoromethane | ND | F2 * | 20.0 | 19.70 | | ug/L | | 98 | 44 - 150 | |
| Vinyl chloride | 3.76 | | 20.0 | 27.49 | | ug/L | | 119 | 57 ₋ 150 | |
| Xylenes, Total | ND | | 40.0 | 40.23 | | ug/L | | 101 | 69 - 132 | |

MS MS %Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 70 - 130 97 4-Bromofluorobenzene (Surr) 111 70 - 130 Dibromofluoromethane (Surr) 70 - 130 90 Toluene-d8 (Surr) 104 70 - 130

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Lab Sample ID: 490-108128-A-1 MSD

Prep Type: Total/NA

| Analysis Batch: 357218 | Comple | Sample | Spike | MSD | MSD | | | %Rec. | | RPD |
|-----------------------------|----------|-----------|-------|-------|----------------|---|----------|----------------------|-----|-------|
| Analyte | • | Qualifier | Added | | Qualifier Unit | D | %Rec | %Rec. | RPD | Limit |
| 1,1,1,2-Tetrachloroethane | ND | Qualifier | 20.0 | 17.29 | ug/L | | 86 | 70 ₋ 131 | 1 | 16 |
| 1,1,1-Trichloroethane | ND | | 20.0 | 16.19 | ug/L | | 81 | 68 - 144 | 1 | 17 |
| 1,1,2,2-Tetrachloroethane | ND | | 20.0 | 19.27 | ug/L | | 96 | 56 ₋ 145 | 2 | 19 |
| 1,1,2-Trichloroethane | ND | | 20.0 | 19.05 | ug/L ug/L | | 95 | 70 - 130 | 2 | 18 |
| 1,1-Dichloroethane | 0.516 | | 20.0 | 20.08 | ug/L | | 98 | 61 ₋ 139 | 0 | 23 |
| 1,1-Dichloroethene | ND | 3 | 20.0 | 19.76 | ug/L | | 99 | 54 ₋ 150 | 3 | 24 |
| 1,1-Dichloropropene | ND | | 20.0 | 18.34 | ug/L | | 92 | 54 - 150 | | 24 |
| 1,2,3-Trichlorobenzene | ND | | 20.0 | 17.23 | ug/L | | 86 | 36 ₋ 150 | 10 | 43 |
| 1,2,3-Trichloropropane | ND | | 20.0 | 17.59 | ug/L | | 88 | 65 - 131 | 0 | 19 |
| 1,2,4-Trichlorobenzene | ND | | 20.0 | 17.14 | ug/L | | 86 | 47 - 147 | 6 | 24 |
| 1,2,4-Trimethylbenzene | ND ND | | 20.0 | 20.23 | ug/L ug/L | | 101 | 64 - 136 | 1 | 18 |
| 1,2-Dibromo-3-Chloropropane | ND | | 20.0 | 15.50 | ug/L | | 78 | 38 - 138 | 3 | 26 |
| 1,2-Dibromoethane (EDB) | ND | | 20.0 | 18.31 | ug/L ug/L | | 92 | 65 - 137 | 4 | 21 |
| 1,2-Dichlorobenzene | ND ND | | 20.0 | 19.37 | ug/L | | 92 97 | 70 - 130 | 0 | 15 |
| 1.2-Dichlorobenzene | ND ND | | 20.0 | 18.02 | • | | 90 | 70 - 130 64 - 136 | | 22 |
| , | | | | | ug/L | | 104 | 67 - 130 | 1 | 19 |
| 1,2-Dichloropropane | ND | | 20.0 | 20.74 | ug/L | | | | 1 | |
| 1,3,5-Trimethylbenzene | ND | | 20.0 | 20.36 | ug/L | | 102 | 69 - 139 | 1 | 17 |
| 1,3-Dichlorobenzene | ND | | 20.0 | 19.36 | ug/L | | 97 | 68 - 131 | | 14 |
| 1,3-Dichloropropane | ND | | 20.0 | 19.43 | ug/L | | 97 | 70 - 130 | 0 | 17 |
| 1,4-Dichlorobenzene | ND | | 20.0 | 19.15 | ug/L | | 96 | 70 - 130 | 0 | 14 |
| 2,2-Dichloropropane | ND | | 20.0 | 14.37 | ug/L | | 72 | 50 - 146 | 1 | 20 |
| 2-Butanone (MEK) | ND | | 100 | 79.18 | ug/L | | 79 | 50 - 143 | 4 | 28 |
| 2-Chlorotoluene | ND | | 20.0 | 18.43 | ug/L | | 92 | 67 ₋ 138 | 1 | 17 |
| 2-Hexanone | ND | | 100 | 90.12 | ug/L | | 90 | 44 - 150 | 4 | 21 |
| 4-Chlorotoluene | ND | | 20.0 | 20.18 | ug/L | | 101 | 69 - 138 | 2 | 15 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 100 | 95.00 | ug/L | | 95 | 50 - 140 | 1 | 24 |
| Acetone | ND | | 100 | 74.27 | ug/L | | 74 | 39 _ 150 | 3 | 28 |
| Benzene | 0.224 | J | 20.0 | 19.22 | ug/L | | 95 | 55 - 147 | 0 | 22 |
| Bromobenzene | ND | | 20.0 | 20.70 | ug/L | | 104 | 60 - 133 | 2 | 18 |
| Bromochloromethane | ND | | 20.0 | 17.76 | ug/L | | 89 | 59 - 132 | 1 | 21 |
| Bromodichloromethane | ND | | 20.0 | 18.66 | ug/L | | 93 | 70 - 140 | 1 | 196 |
| Bromoform | ND | | 20.0 | 16.01 | ug/L | | 80 | 53 - 150 | 1 | 20 |

TestAmerica Nashville

Page 23 of 41

TestAmerica Job ID: 490-108145-1

SDG: 27-225273.00/00/1

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-108128-A-1 MSD

Matrix: Water

Analysis Batch: 357218

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec. | | RPD |
|---------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Bromomethane | ND | | 20.0 | 19.49 | | ug/L | | 97 | 30 - 150 | 11 | 44 |
| Carbon disulfide | ND | | 20.0 | 16.18 | | ug/L | | 81 | 35 - 150 | 3 | 34 |
| Carbon tetrachloride | ND | | 20.0 | 16.28 | | ug/L | | 81 | 56 - 150 | 2 | 18 |
| Chlorobenzene | ND | | 20.0 | 19.72 | | ug/L | | 99 | 70 - 130 | 0 | 15 |
| Chlorodibromomethane | ND | | 20.0 | 17.25 | | ug/L | | 86 | 66 - 140 | 2 | 19 |
| Chloroethane | ND | | 20.0 | 20.26 | | ug/L | | 101 | 58 - 141 | 0 | 31 |
| Chloroform | ND | | 20.0 | 17.62 | | ug/L | | 88 | 66 - 138 | 0 | 21 |
| Chloromethane | ND | | 20.0 | 19.63 | | ug/L | | 98 | 10 - 150 | 3 | 43 |
| cis-1,2-Dichloroethene | 26.7 | | 20.0 | 46.54 | | ug/L | | 99 | 68 - 131 | 1 | 21 |
| cis-1,3-Dichloropropene | ND | | 20.0 | 18.12 | | ug/L | | 91 | 70 - 133 | 1 | 19 |
| Dibromomethane | ND | | 20.0 | 18.26 | | ug/L | | 91 | 70 - 130 | 2 | 19 |
| Dichlorodifluoromethane | ND | | 20.0 | 19.73 | | ug/L | | 99 | 10 - 150 | 2 | 50 |
| Ethylbenzene | ND | | 20.0 | 19.87 | | ug/L | | 99 | 65 - 139 | 1 | 18 |
| Hexachlorobutadiene | ND | | 20.0 | 16.90 | | ug/L | | 84 | 61 - 141 | 1 | 26 |
| Isopropylbenzene | ND | | 20.0 | 20.81 | | ug/L | | 104 | 70 - 137 | 1 | 17 |
| Methyl tert-butyl ether | 0.724 | J | 20.0 | 17.12 | | ug/L | | 82 | 55 - 141 | 5 | 24 |
| Methylene Chloride | ND | | 20.0 | 18.23 | | ug/L | | 91 | 64 - 130 | 2 | 22 |
| Naphthalene | ND | | 20.0 | 18.50 | | ug/L | | 92 | 32 - 150 | 7 | 40 |
| n-Butylbenzene | ND | | 20.0 | 18.67 | | ug/L | | 93 | 61 - 141 | 0 | 17 |
| N-Propylbenzene | ND | | 20.0 | 19.36 | | ug/L | | 97 | 53 - 150 | 0 | 18 |
| p-Isopropyltoluene | ND | | 20.0 | 19.69 | | ug/L | | 98 | 66 - 137 | 2 | 16 |
| sec-Butylbenzene | ND | | 20.0 | 19.33 | | ug/L | | 97 | 55 - 136 | 1 | 50 |
| Styrene | ND | | 20.0 | 20.04 | | ug/L | | 100 | 70 - 130 | 1 | 16 |
| tert-Butylbenzene | ND | | 20.0 | 20.20 | | ug/L | | 101 | 70 - 138 | 1 | 17 |
| Tetrachloroethene | 1.19 | | 20.0 | 21.28 | | ug/L | | 100 | 57 - 138 | 1 | 17 |
| Toluene | ND | | 20.0 | 20.11 | | ug/L | | 101 | 64 - 136 | 1 | 18 |
| trans-1,2-Dichloroethene | 0.801 | J | 20.0 | 20.73 | | ug/L | | 100 | 59 - 143 | 1 | 25 |
| trans-1,3-Dichloropropene | ND | | 20.0 | 16.98 | | ug/L | | 85 | 63 - 142 | 2 | 18 |
| Trichloroethene | 3.72 | | 20.0 | 23.90 | | ug/L | | 101 | 63 _ 135 | 0 | 17 |
| Trichlorofluoromethane | ND | F2 * | 20.0 | 14.10 | F2 | ug/L | | 71 | 44 - 150 | 33 | 32 |
| Vinyl chloride | 3.76 | | 20.0 | 26.70 | | ug/L | | 115 | 57 - 150 | 3 | 37 |
| Xylenes, Total | ND | | 40.0 | 40.37 | | ug/L | | 101 | 69 - 132 | 0 | 17 |
| | Men | MCD | | | | | | | | | |

MSD MSD

| Surrogate | %Recovery | Qualifier | Limits |
|------------------------------|-----------|-----------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 90 | | 70 - 130 |
| Toluene-d8 (Surr) | 104 | | 70 - 130 |

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 490-357365/6

Matrix: Water

Analysis Batch: 357365

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Fluoride ND 0.100 0.0100 mg/L 07/22/16 21:06

TestAmerica Nashville

Page 24 of 41

8/4/2016

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 490-357365/7 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 357365

Spike LCS LCS %Rec. Added Qualifier Limits Analyte Result Unit D %Rec 80 - 120 Fluoride 1.00 1.050 mg/L 105

Lab Sample ID: LCSD 490-357365/8 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 357365

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Fluoride 1.00 1.043 mg/L 104 80 - 120 20

Lab Sample ID: 490-108050-B-1 MS Client Sample ID: Matrix Spike **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 357365

MS MS %Rec. Spike Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 0.255 0.200 Fluoride 0.4154 mg/L 80 - 120

Lab Sample ID: 490-108050-B-1 MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Matrix: Water

Analysis Batch: 357365

RPD Sample Sample Spike MSD MSD %Rec. Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits Limit 0.255 0.200 Fluoride 0.4137 mg/L 80 80 120 20

Lab Sample ID: MB 490-359120/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 359120

MR MR

RL MDL Unit Analyte Result Qualifier D Dil Fac Prepared Analyzed 0.100 07/30/16 00:12 Fluoride ND 0.0100 mg/L

Lab Sample ID: LCS 490-359120/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 359120

LCS LCS Spike %Rec. Added Result Qualifier Analyte Unit %Rec Limits Fluoride 1 00 1.006 mg/L 101 80 - 120

Lab Sample ID: LCSD 490-359120/5 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 359120

LCSD LCSD RPD Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Fluoride 1.00 1.010 mg/L 101 80 - 120

Lab Sample ID: 490-108145-6 MS Client Sample ID: MW-5 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 359120

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Fluoride 93.2 10.0 126.2 E 4 mg/L 330 80 - 120

TestAmerica Nashville

8/4/2016

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Client Sample ID: MW-5

Prep Type: Total/NA

Lab Sample ID: 490-108145-6 MSD Matrix: Water

Analysis Batch: 359120

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec. | | RPD |
|----------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Fluoride | 93.2 | | 10.0 | 144.5 | E 4 | mg/L | | 513 | 80 - 120 | 14 | 20 |

Lab Sample ID: MB 490-359587/3 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

Analysis Batch: 359587

MB MB

| Analyte | Result | Qualifier | RL | MDL | Unit | D |) | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-------|--------|------|---|---|----------|----------------|---------|
| Fluoride | ND | | 0.100 | 0.0100 | mg/L | | | | 08/01/16 16:26 | 1 |

Lab Sample ID: LCS 490-359587/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 359587

| | | Spike | LCS | LCS | | | | | %Rec. | |
|----------|------|-------|--------|-----------|------|---|----|-----|----------|--|
| Analyte | | Added | Result | Qualifier | Unit | D | %F | Rec | Limits | |
| Fluoride | | 1.00 | 0.9694 | - | mg/L | | | 97 | 80 - 120 | |

Lab Sample ID: LCSD 490-359587/5 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 359587

| | Spike | LCSD | LCSD | | | %Rec. | | RPD |
|----------|-------|--------|-----------|--------|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit D | %Rec | Limits | RPD | Limit |
| Fluoride | 1.00 | 0.9523 | | mg/L | 95 | 80 - 120 | 2 | 20 |

Lab Sample ID: MB 490-360033/6 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 360033

мв мв

| Analyte | Result Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|------------------|-------|--------|------|---|----------|----------------|---------|
| Fluoride | ND ND | 0.100 | 0.0100 | mg/L | | | 08/03/16 10:12 | 1 |

Lab Sample ID: LCS 490-360033/7 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 360033

| | Spike | LCS LCS | | | | %Rec. | |
|----------|-------|-----------------|---------|---|------|----------|--|
| Analyte | Added | Result Qualifie | er Unit | D | %Rec | Limits | |
| Fluoride | 1.00 | 0.9914 | ma/L | | 99 | 80 - 120 | |

Lab Sample ID: LCSD 490-360033/8 Client Sample ID: Lab Control Sample Dup

Matrix: Water

Analysis Batch: 360033

| Analysis Baton. 666666 | | | | | | | | |
|------------------------|-------|---------------|----------|---|------|----------|-----|-------|
| | Spike | LCSD LCSD | | | | %Rec. | | RPD |
| Analyte | Added | Result Qualif | ier Unit | D | %Rec | Limits | RPD | Limit |
| Fluoride | 1.00 | 0.9727 | mg/L | | 97 | 80 - 120 | 2 | 20 |

Prep Type: Total/NA

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 490-357520/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 357905 **Prep Batch: 357520**

мв мв

Result Qualifier RL MDL Unit D Prepared Dil Fac Analyte Analyzed 0.00200 07/24/16 12:38 Nickel ND 0.000500 mg/L 07/25/16 14:46

Lab Sample ID: LCS 490-357520/2-A Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 357905

Prep Batch: 357520 LCS LCS Spike Added Analyte Result Qualifier Unit %Rec Limits Nickel 0.100 0.09524 mg/L 95 80 - 120

Lab Sample ID: 490-108145-1 MS Client Sample ID: MW-1 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 357905 **Prep Batch: 357520** MS MS Sample Sample Spike %Rec.

Result Qualifier Added Result Qualifier Unit D %Rec Limits Nickel 0.450 0.100 0.5193 70 75 _ 125 mg/L

Lab Sample ID: 490-108145-1 MSD Client Sample ID: MW-1 **Matrix: Water** Prep Type: Total/NA Analysis Batch: 357905 Prep Batch: 357520 Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits Limit

Nickel 0.450 0.100 0.5426 mg/L 93 75 - 125 Lab Sample ID: MB 490-357881/1-A Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA Analysis Batch: 358232 **Prep Batch: 357881**

MR MR

Qualifier RL MDL Unit D Dil Fac Analyte Result Prepared Analyzed 07/26/16 08:35 Nickel 0.00200 07/26/16 20:59 ND 0.000500 mg/L

Lab Sample ID: LCS 490-357881/2-A Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water Analysis Batch: 358232

Spike LCS LCS

%Rec. Result Qualifier Added Analyte Unit D %Rec Limits 0.100 80 - 120 Nickel 0.1005 mg/L 101

Lab Sample ID: LCSD 490-357881/3-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water Analysis Batch: 358442

LCSD LCSD RPD Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits RPD Limit

Nickel 0.100 0.1048 mg/L 105 80 - 120

Prep Batch: 357881

Prep Batch: 357881

QC Sample Results

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

050.2

Method: 6020A - Metals (ICP/MS) (Continued)

| Lab Sample ID: 490-108190-A-1-B M | S | | | Client Sample ID: Matrix Spike |
|-----------------------------------|---------------|-------|-------|--------------------------------|
| Matrix: Water | | | | Prep Type: Total/NA |
| Analysis Batch: 358232 | | | | Prep Batch: 357881 |
| | Sample Sample | Spike | MS MS | %Rec. |

| | Sample | Sample | Spike | MS | MS | | | | %Rec. | |
|---------|--------|-----------|-------|--------|-----------|------|---|-------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Nickel | 884 | E | 0.100 | 1018 | E 4 | mg/L | | 13400 | 75 - 125 | |
| | | | | | | | | 0 | | |

| Lab Sample ID: 490-108190-A- | Lab Sample ID: 490-108190-A-1-C MSD | | | | | | Client Sa | ample ID |): Matrix S _l | pike Dup | licate |
|------------------------------|-------------------------------------|-----------|-------|--------|-----------|------|-----------|----------|--------------------------|----------|--------|
| Matrix: Water | | | | | | | | | Prep T | ype: Tot | al/NA |
| Analysis Batch: 358232 | | | | | | | | | Prep | Batch: 3 | 57881 |
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec. | | RPD |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Nickel | 884 | E | 0.100 | 931.0 | E 4 | mg/L | | 47000 | 75 - 125 | 9 | 20 |

TestAmerica Nashville

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QC Association Summary

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

GC/MS VOA

Analysis Batch: 357218

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 490-108145-2 | MW-2 | Total/NA | Water | 8260B | _ |
| 490-108145-13 | MW-23 | Total/NA | Water | 8260B | |
| 490-108145-14 | Trip Blank | Total/NA | Water | 8260B | |
| 490-108145-15 | Rinsate | Total/NA | Water | 8260B | |
| 490-108145-16 | Field Duplicate | Total/NA | Water | 8260B | |
| MB 490-357218/7 | Method Blank | Total/NA | Water | 8260B | |
| LCS 490-357218/3 | Lab Control Sample | Total/NA | Water | 8260B | |
| LCSD 490-357218/4 | Lab Control Sample Dup | Total/NA | Water | 8260B | |
| 490-108128-A-1 MS | Matrix Spike | Total/NA | Water | 8260B | |
| 490-108128-A-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260B | |

HPLC/IC

Analysis Batch: 357365

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 490-108145-8 | MW-11 | Total/NA | Water | 9056A | _ |
| 490-108145-10 | MW-13 | Total/NA | Water | 9056A | |
| 490-108145-12 | MW-12D | Total/NA | Water | 9056A | |
| 490-108145-13 | MW-23 | Total/NA | Water | 9056A | |
| 490-108145-15 | Rinsate | Total/NA | Water | 9056A | |
| 490-108145-16 | Field Duplicate | Total/NA | Water | 9056A | |
| MB 490-357365/6 | Method Blank | Total/NA | Water | 9056A | |
| LCS 490-357365/7 | Lab Control Sample | Total/NA | Water | 9056A | |
| LCSD 490-357365/8 | Lab Control Sample Dup | Total/NA | Water | 9056A | |
| 490-108050-B-1 MS | Matrix Spike | Total/NA | Water | 9056A | |
| 490-108050-B-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 9056A | |

Analysis Batch: 359120

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 490-108145-6 | MW-5 | Total/NA | Water | 9056A | |
| 490-108145-11 | MW-18 | Total/NA | Water | 9056A | |
| MB 490-359120/3 | Method Blank | Total/NA | Water | 9056A | |
| LCS 490-359120/4 | Lab Control Sample | Total/NA | Water | 9056A | |
| LCSD 490-359120/5 | Lab Control Sample Dup | Total/NA | Water | 9056A | |
| 490-108145-6 MS | MW-5 | Total/NA | Water | 9056A | |
| 490-108145-6 MSD | MW-5 | Total/NA | Water | 9056A | |

Analysis Batch: 359587

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batc |
|-------------------|------------------------|-----------|--------|--------|-----------|
| 490-108145-1 | MW-1 | Total/NA | Water | 9056A | |
| 490-108145-2 | MW-2 | Total/NA | Water | 9056A | |
| 490-108145-3 | MW-3 | Total/NA | Water | 9056A | |
| 490-108145-4 | MW-4 | Total/NA | Water | 9056A | |
| 490-108145-5 | MW-4R | Total/NA | Water | 9056A | |
| MB 490-359587/3 | Method Blank | Total/NA | Water | 9056A | |
| LCS 490-359587/4 | Lab Control Sample | Total/NA | Water | 9056A | |
| LCSD 490-359587/5 | Lab Control Sample Dup | Total/NA | Water | 9056A | |

TestAmerica Nashville

Page 29 of 41

QC Association Summary

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

HPLC/IC (Continued)

Analysis Batch: 360033

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 490-108145-7 | MW-6 | Total/NA | Water | 9056A | |
| 490-108145-9 | MW-12 | Total/NA | Water | 9056A | |
| MB 490-360033/6 | Method Blank | Total/NA | Water | 9056A | |
| LCS 490-360033/7 | Lab Control Sample | Total/NA | Water | 9056A | |
| LCSD 490-360033/8 | Lab Control Sample Dup | Total/NA | Water | 9056A | |

Metals

Prep Batch: 357520

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batcl |
|--------------------|--------------------|-----------|--------|--------|------------|
| 490-108145-1 | MW-1 | Total/NA | Water | 3010A | |
| 490-108145-2 | MW-2 | Total/NA | Water | 3010A | |
| 490-108145-3 | MW-3 | Total/NA | Water | 3010A | |
| 490-108145-4 | MW-4 | Total/NA | Water | 3010A | |
| 490-108145-5 | MW-4R | Total/NA | Water | 3010A | |
| 490-108145-6 | MW-5 | Total/NA | Water | 3010A | |
| 490-108145-7 | MW-6 | Total/NA | Water | 3010A | |
| 490-108145-8 | MW-11 | Total/NA | Water | 3010A | |
| 490-108145-9 | MW-12 | Total/NA | Water | 3010A | |
| 490-108145-10 | MW-13 | Total/NA | Water | 3010A | |
| 490-108145-11 | MW-18 | Total/NA | Water | 3010A | |
| 490-108145-12 | MW-12D | Total/NA | Water | 3010A | |
| MB 490-357520/1-A | Method Blank | Total/NA | Water | 3010A | |
| LCS 490-357520/2-A | Lab Control Sample | Total/NA | Water | 3010A | |
| 490-108145-1 MS | MW-1 | Total/NA | Water | 3010A | |
| 490-108145-1 MSD | MW-1 | Total/NA | Water | 3010A | |

Prep Batch: 357881

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 490-108145-13 | MW-23 | Total/NA | Water | 3010A | _ |
| 490-108145-15 | Rinsate | Total/NA | Water | 3010A | |
| 490-108145-16 | Field Duplicate | Total/NA | Water | 3010A | |
| MB 490-357881/1-A | Method Blank | Total/NA | Water | 3010A | |
| LCS 490-357881/2-A | Lab Control Sample | Total/NA | Water | 3010A | |
| LCSD 490-357881/3-A | Lab Control Sample Dup | Total/NA | Water | 3010A | |
| 490-108190-A-1-B MS | Matrix Spike | Total/NA | Water | 3010A | |
| 490-108190-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Water | 3010A | |

Analysis Batch: 357905

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 490-108145-1 | MW-1 | Total/NA | Water | 6020A | 357520 |
| 490-108145-2 | MW-2 | Total/NA | Water | 6020A | 357520 |
| 490-108145-3 | MW-3 | Total/NA | Water | 6020A | 357520 |
| 490-108145-5 | MW-4R | Total/NA | Water | 6020A | 357520 |
| 490-108145-7 | MW-6 | Total/NA | Water | 6020A | 357520 |
| 490-108145-8 | MW-11 | Total/NA | Water | 6020A | 357520 |
| 490-108145-9 | MW-12 | Total/NA | Water | 6020A | 357520 |
| 490-108145-10 | MW-13 | Total/NA | Water | 6020A | 357520 |
| 490-108145-11 | MW-18 | Total/NA | Water | 6020A | 357520 |
| 490-108145-12 | MW-12D | Total/NA | Water | 6020A | 357520 |

TestAmerica Nashville

Page 30 of 41

QC Association Summary

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1

SDG: 27-225273.00/00/1

Metals (Continued)

Analysis Batch: 357905 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| MB 490-357520/1-A | Method Blank | Total/NA | Water | 6020A | 357520 |
| LCS 490-357520/2-A | Lab Control Sample | Total/NA | Water | 6020A | 357520 |
| 490-108145-1 MS | MW-1 | Total/NA | Water | 6020A | 357520 |
| 490-108145-1 MSD | MW-1 | Total/NA | Water | 6020A | 357520 |

Analysis Batch: 358232

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 490-108145-13 | MW-23 | Total/NA | Water | 6020A | 357881 |
| 490-108145-15 | Rinsate | Total/NA | Water | 6020A | 357881 |
| 490-108145-16 | Field Duplicate | Total/NA | Water | 6020A | 357881 |
| MB 490-357881/1-A | Method Blank | Total/NA | Water | 6020A | 357881 |
| LCS 490-357881/2-A | Lab Control Sample | Total/NA | Water | 6020A | 357881 |
| 490-108190-A-1-B MS | Matrix Spike | Total/NA | Water | 6020A | 357881 |
| 490-108190-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Water | 6020A | 357881 |

Analysis Batch: 358233

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 490-108145-4 | MW-4 | Total/NA | Water | 6020A | 357520 |
| 490-108145-6 | MW-5 | Total/NA | Water | 6020A | 357520 |

Analysis Batch: 358442

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| LCSD 490-357881/3-A | Lab Control Sample Dup | Total/NA | Water | 6020A | 357881 |

TestAmerica Nashville

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Lab Sample ID: 490-108145-1

Matrix: Water

Client Sample ID: MW-1 Date Collected: 07/20/16 14:50 Date Received: 07/21/16 09:20

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|--------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 9056A | | 40 | 359587 | 08/01/16 18:27 | JHS | TAL NSH |
| Total/NA | Prep | 3010A | | | 357520 | 07/24/16 12:38 | RDF | TAL NSH |
| Total/NA | Analysis | 6020A | | 1 | 357905 | 07/25/16 14:57 | KKK | TAL NSH |

Client Sample ID: MW-2 Lab Sample ID: 490-108145-2 Date Collected: 07/20/16 12:24

Matrix: Water

Date Received: 07/21/16 09:20

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|--------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 1 | 357218 | 07/22/16 19:42 | AK1 | TAL NSH |
| Total/NA | Analysis | 9056A | | 20 | 359587 | 08/01/16 18:47 | JHS | TAL NSH |
| Total/NA | Prep | 3010A | | | 357520 | 07/24/16 12:38 | RDF | TAL NSH |
| Total/NA | Analysis | 6020A | | 1 | 357905 | 07/25/16 15:24 | KKK | TAL NSH |

Client Sample ID: MW-3 Lab Sample ID: 490-108145-3

Date Collected: 07/20/16 10:08 Matrix: Water Date Received: 07/21/16 09:20

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Lab Analyst Total/NA Analysis 9056A 20 359587 08/01/16 19:07 JHS TAL NSH TAL NSH Total/NA 3010A RDF Prep 357520 07/24/16 12:38 Total/NA Analysis 6020A 357905 07/25/16 15:30 KKK TAL NSH

Client Sample ID: MW-4 Lab Sample ID: 490-108145-4

Date Collected: 07/20/16 19:24 Matrix: Water Date Received: 07/21/16 09:20

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|--------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 9056A | | 200 | 359587 | 08/01/16 19:27 | JHS | TAL NSH |
| Total/NA | Prep | 3010A | | | 357520 | 07/24/16 12:38 | RDF | TAL NSH |
| Total/NA | Analysis | 6020A | | 10 | 358233 | 07/26/16 20:31 | KKK | TAL NSH |

Client Sample ID: MW-4R Lab Sample ID: 490-108145-5

Date Collected: 07/20/16 18:27 **Matrix: Water** Date Received: 07/21/16 09:20

Batch Dilution Batch Batch Prepared **Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Analysis 9056A 100 359587 08/01/16 19:47 JHS TAL NSH Total/NA Prep 3010A 357520 07/24/16 12:38 RDF TAL NSH Total/NA Analysis 6020A 357905 07/25/16 15:51 KKK TAL NSH 1

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Lab Sample ID: 490-108145-6

Matrix: Water

Client Sample ID: MW-5
Date Collected: 07/20/16 17:04
Date Received: 07/21/16 09:20

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|--------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 9056A | | 50 | 359120 | 07/30/16 01:03 | NC | TAL NSH |
| Total/NA | Prep | 3010A | | | 357520 | 07/24/16 12:38 | RDF | TAL NSH |
| Total/NA | Analysis | 6020A | | 5 | 358233 | 07/26/16 20:37 | KKK | TAL NSH |

Client Sample ID: MW-6 Lab Sample ID: 490-108145-7

Matrix: Water

Date Collected: 07/20/16 11:19 Date Received: 07/21/16 09:20

Batch Batch Dilution Batch Prepared Method Run Prep Type Туре Factor Number or Analyzed Analyst Lab Total/NA Analysis 9056A 10 360033 08/03/16 13:54 LDC TAL NSH Total/NA 3010A 357520 07/24/16 12:38 RDF TAL NSH Prep Total/NA Analysis 6020A 1 357905 07/25/16 16:03 KKK TAL NSH

Client Sample ID: MW-11 Lab Sample ID: 490-108145-8

Matrix: Water

KKK

TAL NSH

Date Collected: 07/19/16 14:39 Date Received: 07/21/16 09:20

Dilution Batch **Batch** Batch Prepared Prep Type Method Run Factor Number or Analyzed Type Analyst Lab Total/NA 9056A 357365 07/23/16 02:48 KS TAL NSH Analysis Total/NA Prep 3010A 357520 07/24/16 12:38 RDF TAL NSH

Client Sample ID: MW-12 Lab Sample ID: 490-108145-9

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357905

07/25/16 16:08

Date Collected: 07/20/16 13:41 Matrix: Water

Date Received: 07/21/16 09:20

6020A

Analysis

Total/NA

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|--------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 9056A | | 20 | 360033 | 08/03/16 15:37 | LDC | TAL NSH |
| Total/NA | Prep | 3010A | | | 357520 | 07/24/16 12:38 | RDF | TAL NSH |
| Total/NA | Analysis | 6020A | | 1 | 357905 | 07/25/16 16:14 | KKK | TAL NSH |

Client Sample ID: MW-13 Lab Sample ID: 490-108145-10

Date Collected: 07/19/16 16:52

Date Received: 07/21/16 09:20

Matrix: Water

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|--------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 9056A | | 1 | 357365 | 07/23/16 03:05 | KS | TAL NSH |
| Total/NA | Prep | 3010A | | | 357520 | 07/24/16 12:38 | RDF | TAL NSH |
| Total/NA | Analysis | 6020A | | 1 | 357905 | 07/25/16 16:19 | KKK | TAL NSH |

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Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

Lab Sample ID: 490-108145-11

Matrix: Water

Date Collected: 07/20/16 15:59 Date Received: 07/21/16 09:20

Client Sample ID: MW-18

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|--------|----------|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 9056A | <u> </u> | 5 | 359120 | 07/30/16 02:29 | NC | TAL NSH |
| Total/NA | Prep | 3010A | | | 357520 | 07/24/16 12:38 | RDF | TAL NSH |
| Total/NA | Analysis | 6020A | | 1 | 357905 | 07/25/16 16:25 | KKK | TAL NSH |

Client Sample ID: MW-12D Lab Sample ID: 490-108145-12

Matrix: Water

Date Collected: 07/19/16 19:27 Date Received: 07/21/16 09:20

Batch Batch Dilution Batch Prepared Method Run Prep Type Туре Factor Number or Analyzed Analyst Lab Total/NA Analysis 9056A 357365 07/23/16 03:22 KS TAL NSH Total/NA 3010A 357520 07/24/16 12:38 RDF TAL NSH Prep Total/NA Analysis 6020A 1 357905 07/25/16 16:30 KKK TAL NSH

Client Sample ID: MW-23 Lab Sample ID: 490-108145-13

Date Collected: 07/19/16 12:58 Matrix: Water

Date Received: 07/21/16 09:20

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|--------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 1 | 357218 | 07/22/16 20:11 | AK1 | TAL NSH |
| Total/NA | Analysis | 9056A | | 1 | 357365 | 07/23/16 03:39 | KS | TAL NSH |
| Total/NA | Prep | 3010A | | | 357881 | 07/26/16 08:35 | RDF | TAL NSH |
| Total/NA | Analysis | 6020A | | 1 | 358232 | 07/26/16 22:06 | KKK | TAL NSH |

Client Sample ID: Trip Blank Lab Sample ID: 490-108145-14

Date Collected: 07/19/16 00:01 **Matrix: Water**

Date Received: 07/21/16 09:20

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|--------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 1 | 357218 | 07/22/16 16:51 | AK1 | TAL NSH |

Client Sample ID: Rinsate Lab Sample ID: 490-108145-15

Date Collected: 07/19/16 19:45 Matrix: Water Date Received: 07/21/16 09:20

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|--------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 1 | 357218 | 07/22/16 17:19 | AK1 | TAL NSH |
| Total/NA | Analysis | 9056A | | 1 | 357365 | 07/23/16 03:56 | KS | TAL NSH |
| Total/NA | Prep | 3010A | | | 357881 | 07/26/16 08:35 | RDF | TAL NSH |
| Total/NA | Analysis | 6020A | | 1 | 358232 | 07/26/16 22:12 | KKK | TAL NSH |

Lab Chronicle

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

Client Sample ID: Field Duplicate

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Lab Sample ID: 490-108145-16

Date Collected: 07/19/16 00:01 Matrix: Water

Date Received: 07/21/16 09:20

| | Batch | Batch | | Dilution | Batch | Prepared | | |
|-----------|----------|--------|-----|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 1 | 357218 | 07/22/16 20:39 | AK1 | TAL NSH |
| Total/NA | Analysis | 9056A | | 1 | 357365 | 07/23/16 04:13 | KS | TAL NSH |
| Total/NA | Prep | 3010A | | | 357881 | 07/26/16 08:35 | RDF | TAL NSH |
| Total/NA | Analysis | 6020A | | 1 | 358232 | 07/26/16 22:18 | KKK | TAL NSH |

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

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Method Summary

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

| Method | Method Description | Protocol | Laboratory |
|--------|------------------------------------|----------|------------|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL NSH |
| 9056A | Anions, Ion Chromatography | SW846 | TAL NSH |
| 6020A | Metals (ICP/MS) | SW846 | TAL NSH |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Environmental Compliance Services, Inc.

Project/Site: Former Trent Tube

TestAmerica Job ID: 490-108145-1 SDG: 27-225273.00/00/1

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------|------------|------------------|------------------------|
| Florida | NELAP | 4 | E87358 | 06-30-17 |

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| Cooler Received/Opened On 7/21/2016 @ 0920 | _ |
|---|-----------------|
| Time Samples Removed From Cooler Time Samples Placed In Storage | (2 Hour Window) |
| 1. Tracking #(a 3 te 4 digits, FedEx) Courier: _FedEx | |
| IR Gun ID 17960357 pH Strip Lot HC564992 Chlorine Strip Lot 012516A | |
| 2. Temperature of rep. sample or temp blank when opened: Degrees Celsius | |
| 3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? | YES NO MA |
| 4. Were custody seals on outside of cooler? | YE3NONA |
| If yes, how many and where: | |
| 5. Were the seals intact, signed, and dated correctly? | YESNONA |
| 6. Were custody papers inside cooler? | €8NONA |
| I certify that I opened the cooler and answered questions 1-6 (intial) | |
| 7. Were custody seals on containers: YES NO and Intact | YESNO(NA |
| Were these signed and dated correctly? | YESNONA |
| 8. Packing mat'l used? Bubulewrap Plastic bag Peanuts Vermiculite Foam Insert Pape | r Other None |
| 9. Cooling process: (ce) Ice-pack Ice (direct contact) Dry ice | e Other None |
| 10. Did all containers arrive in good condition (unbroken)? | YES.).NONA |
| 11. Were all container labels complete (#, date, signed, pres., etc)? | XES NONA |
| 12. Did all container labels and tags agree with custody papers? | YESNONA |
| 13a. Were VOA vials received? | (FES)NONA |
| b. Was there any observable headspace present in any VOA vial? | YESNONA |
| 14. Was there a Trip Blank in this cooler? YESNONA If multiple coolers, sequen | ice # NA |
| I certify that I unloaded the cooler and answered questions 7-14 (intial) | A823 |
| 15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? | YESNONA |
| b. Did the bottle labels indicate that the correct preservatives were used | YESNONA |
| 16. Was residual chlorine present? | YESNONA |
| I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) | 1000 |
| 17. Were custody papers properly filled out (ink, signed, etc)? | (YESNONA |
| 18. Did you sign the custody papers in the appropriate place? | E8NONA |
| 19. Were correct containers used for the analysis requested? | (E8NONA |
| 20. Was sufficient amount of sample sent in each container? | VESNONA |
| certify that I entered this project into LIMS and answered questions 17-20 (intial) | 1005 1005 |
| certify that I attached a label with the unique LIMS number to each container (intial) | Hers |
| 21. Were there Non-Conformance issues at login? YESNO Was a NCM generated? YES | 169# <u>MA</u> |
| | _ |

BIS = Broken in shipment Cooler Receipt Form.doc

LF-1 End of Form Revised 12/15/15

| | 7901 | STANDARD | -8883, ext. 139 | 00/1 | Panaman 1771 | Street | | | Loc: 490 108145 | | | | | | | | | | | | . Z | | |
|---|---|--------------------------------------|--|---------------------------------|-------------------------------------|-------------------------------|----------------------|--------------|---|---|-----------|---------|---|-----------|-------|-------|----------|-------|---|----------------------|---|-------------------------|---|
| FedEx Tracking #: | | Requested TAT: | Report To: Dean McCartney 770-926-8883, ext. 139 | PO#: 27-225273 | Quote #: HIS 10604 | Project ID: Former Trent Tube | Project #: 27-225273 | Analyze For: | TEMP Conductivity PH DO Turbidity Vapor VOC's &vor BTEX (EPA18) Vapor VOC's tull list (TO-14) 8 RCRA metals 4 RCRA Metals (As, Cr, Pb) | | **** | | | | | | | | * * * * | Laboratory Comments: | Temperature Upon Receipt: VOCs Free of Headspace? | Time | _ |
| CHAIN OF CUSTODY RECORD Quote# GUST #\$/A | #2054 | 0 | Re | | Fax No.: 770-926-5383 | Pro- | id | | Matrix Field Filtered Ice HVO ₃ (Red Label) HOI (Blue Label) H ₂ SO ₄ (Basel (SW-846 6020B) H ₂ SO ₄ (Basel Cyellow Label) H ₂ SO ₅ (Basel Cyellow Label) H ₂ SO ₄ (Basel Cyellow Label) H ₂ SO ₅ (Basel Cyellow Label) H ₂ SO ₄ (Basel Cyellow Label) H ₂ SO ₅ (Basel Cyellow Label) | * × × × × × × × × × × × × × × × × × × × | X X X III | | * × × · · · · · · · · · · · · · · · · · | | X | * × × | **** | * | * × × × · · · · · · · · · · · · · · · · | | Method of Shipment: | | _ |
| dres | Client Name: Pangean-CMD/ECS Client #2054 | Address: 9874 Main Street, Suite 100 | City/State/Zip: Woodstock, GA 30188 | Dean McCartney | 770-926-8883 x139 | <u></u> ₹ | the w | | Date Sampled Time Sampled No. of Containers Shipped | 7.2016 1450 2 B | 1 12,24 5 | 7 20:01 | 19:24 2 | 1 18.27 2 | 17:04 | -+ | 14:39 | 13.41 | 7-16 16:52 2 1 | | | Date Time 1 | _ |
| Test/Mmerica TA account # : | Client Name: | Address | City/State/Zip: | Project Manager: Dean McCartney | Telephone Number: 770-926-8883 x139 | Sampler Name: (Print) | Sampler Signature: | 1 | Sample ID / Description | MVV-1 | MW-2 | MW-3 | MW-4 | MW-4R | | | man na-d | WW-12 | MW-13 | | | Relinquished by: THE Y | 1 |

Login Sample Receipt Checklist

Client: Environmental Compliance Services, Inc.

Job Number: 490-108145-1

SDG Number: 27-225273.00/00/1

Login Number: 108145 List Source: TestAmerica Nashville

List Number: 1

Creator: Stvartak, Anthony Q

| Cleator. Stvartak, Anthony Q | | |
|--|--------|---------|
| Question | Answer | Comment |
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td> | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |
| | | |

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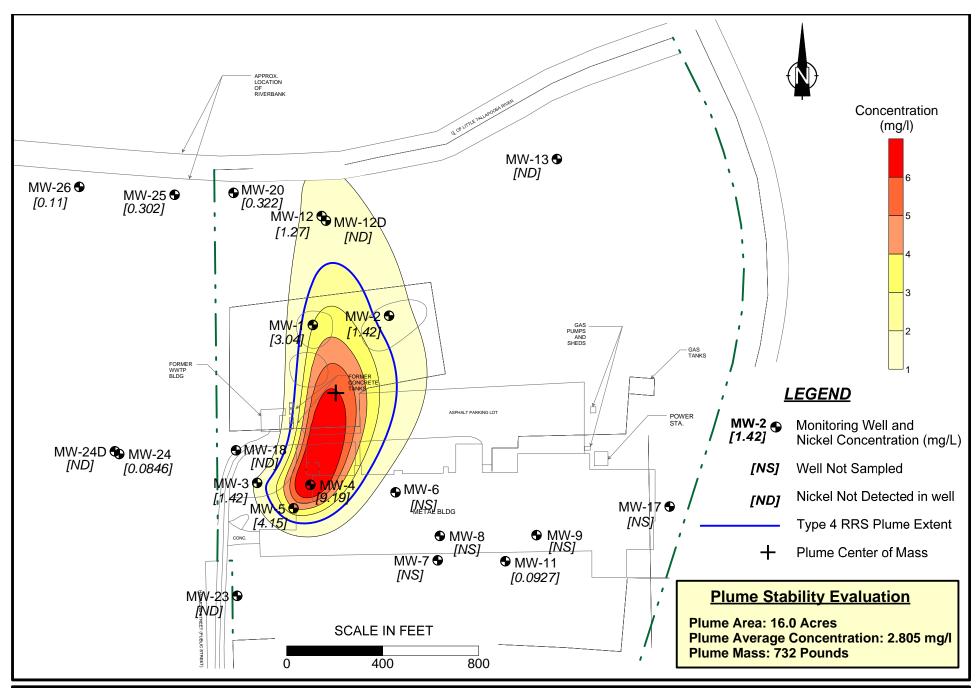
11

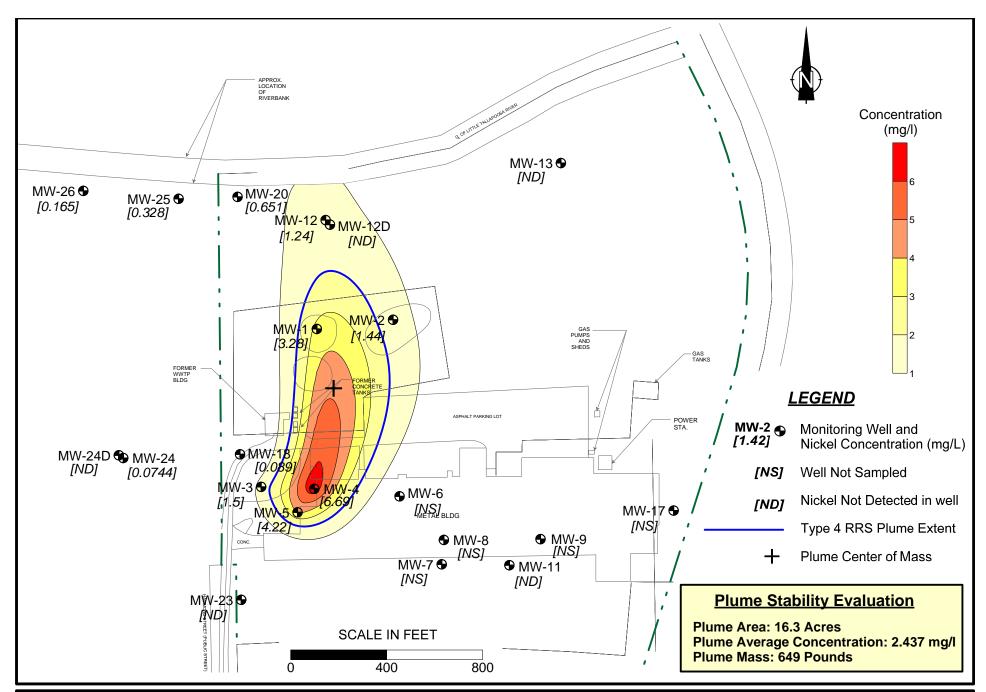
12

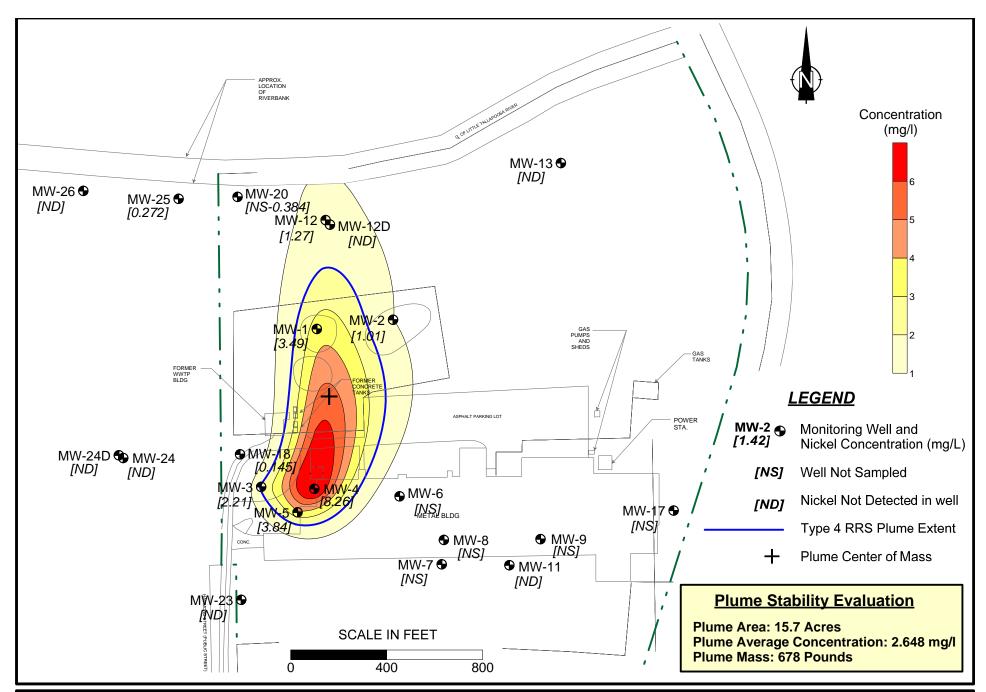


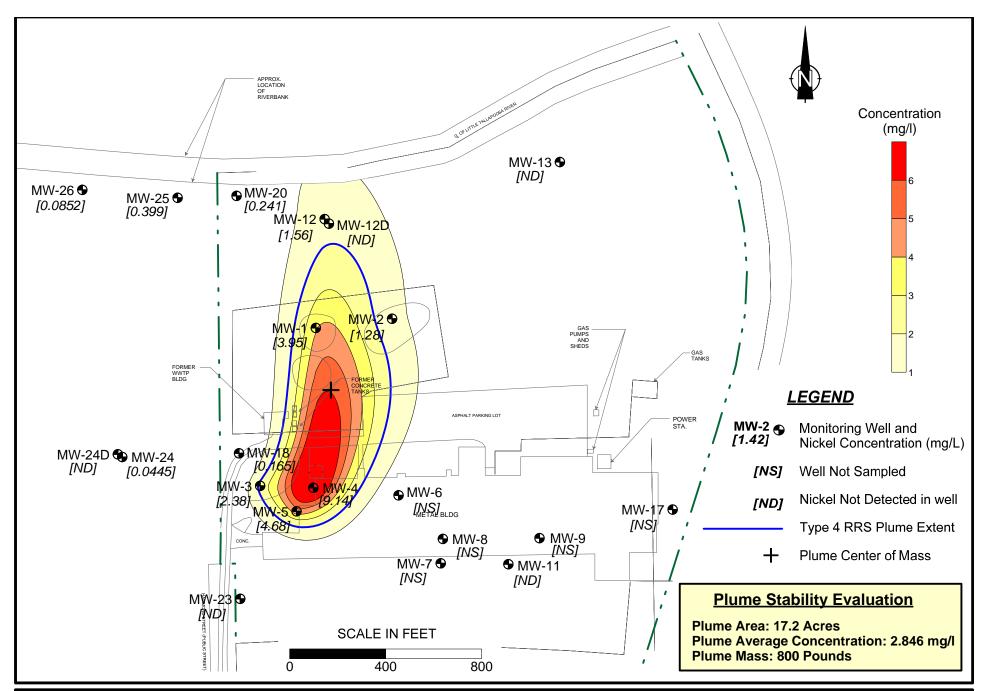
ATTACHMENT C

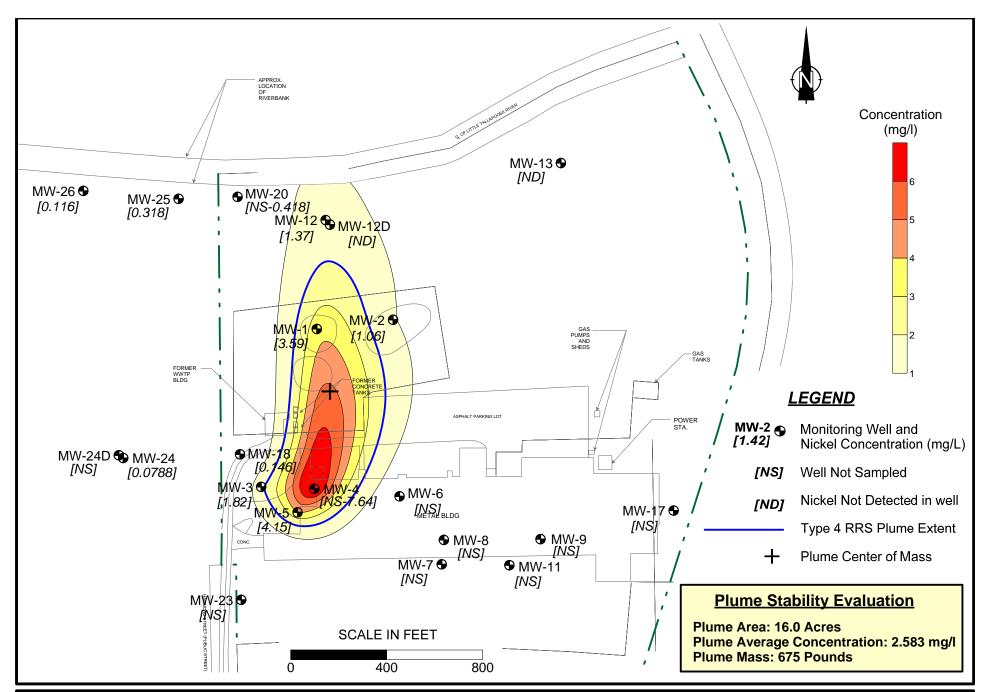
PLUME STABILITY ANALYSIS

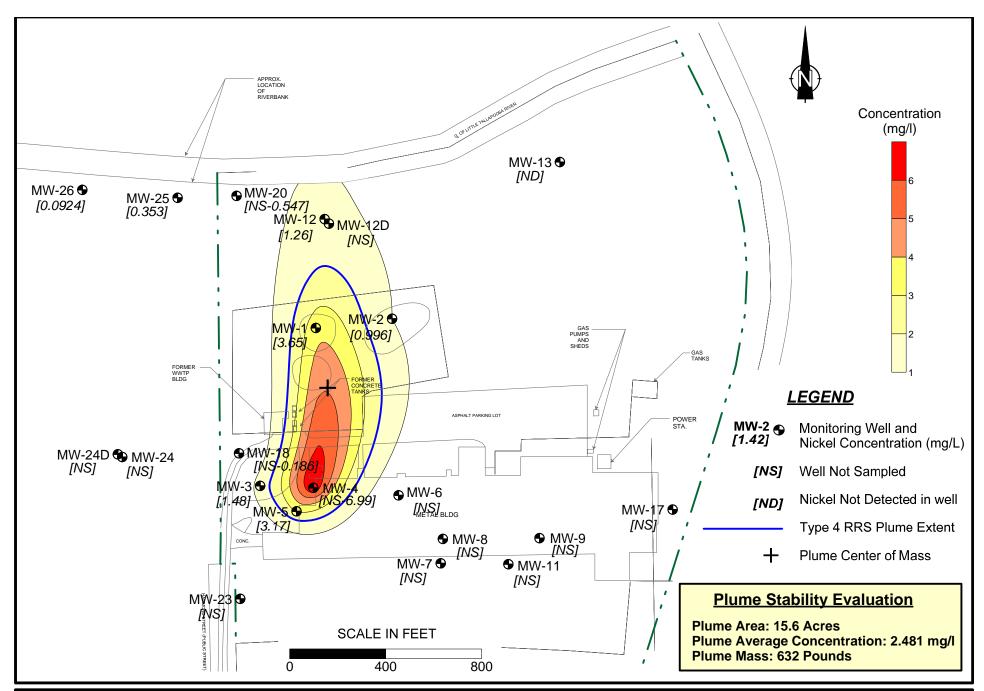


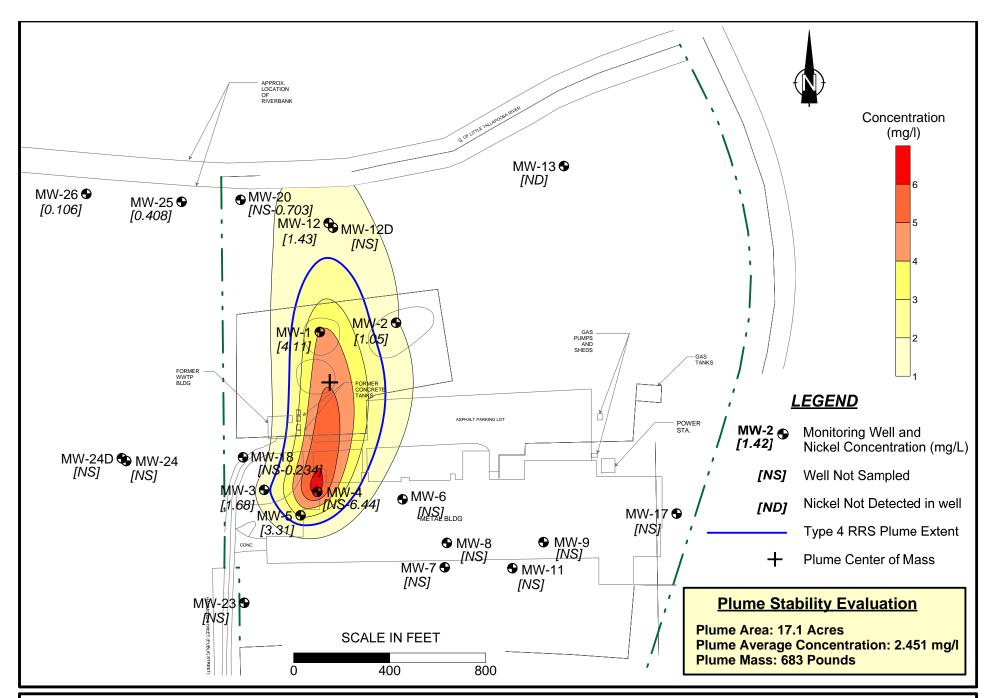


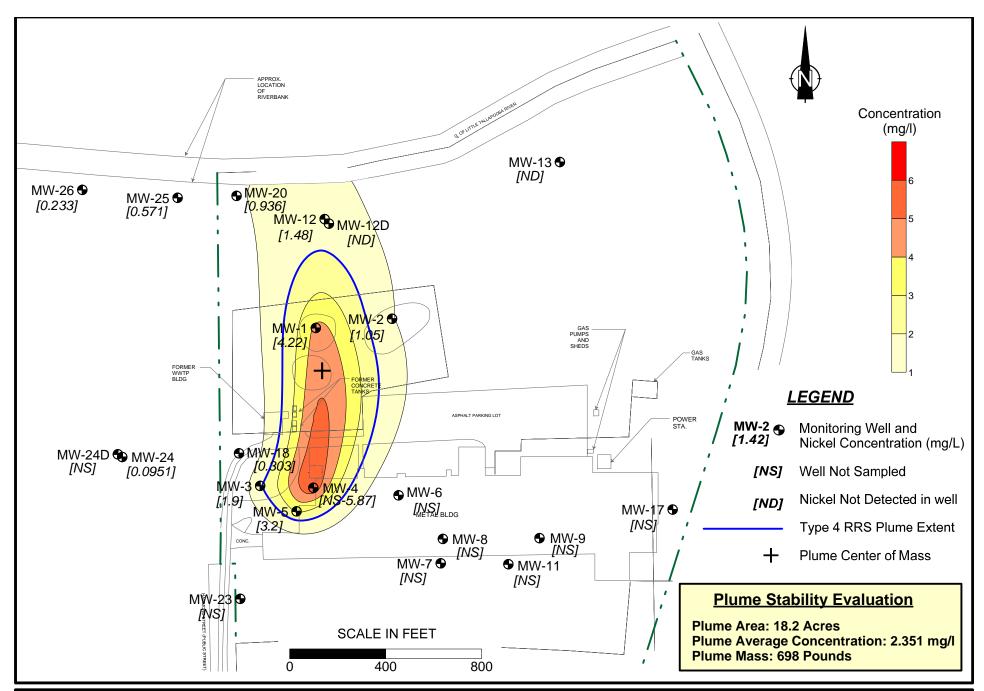


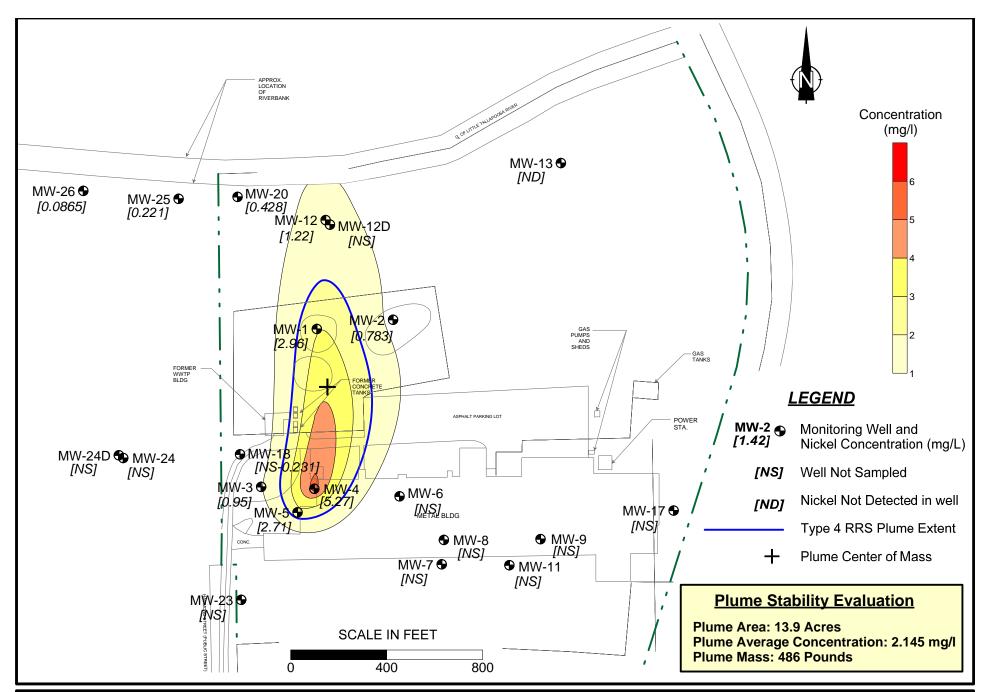


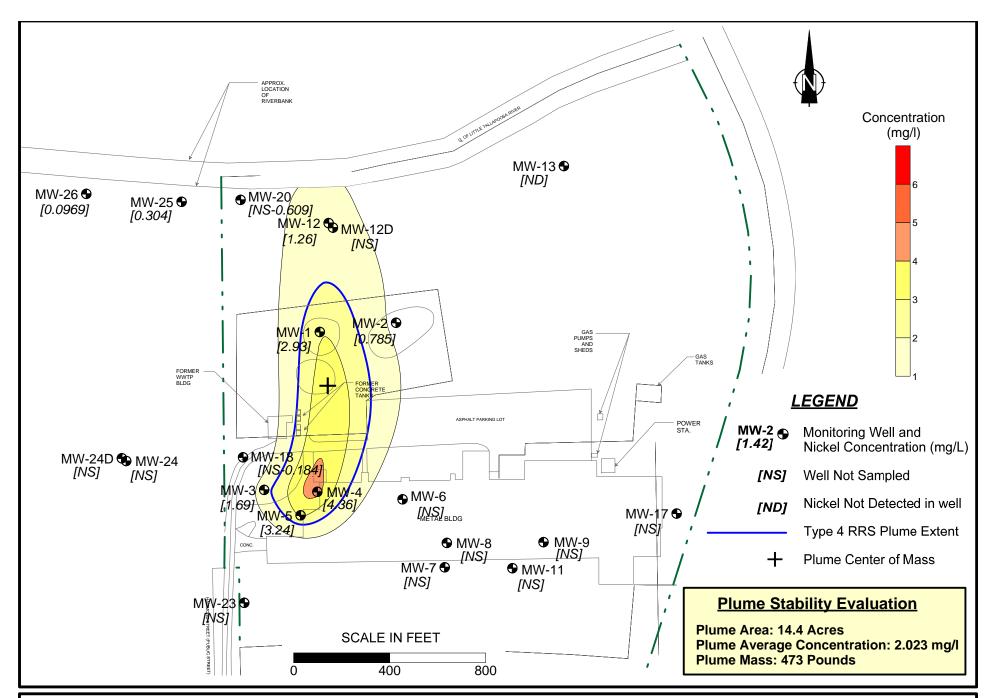


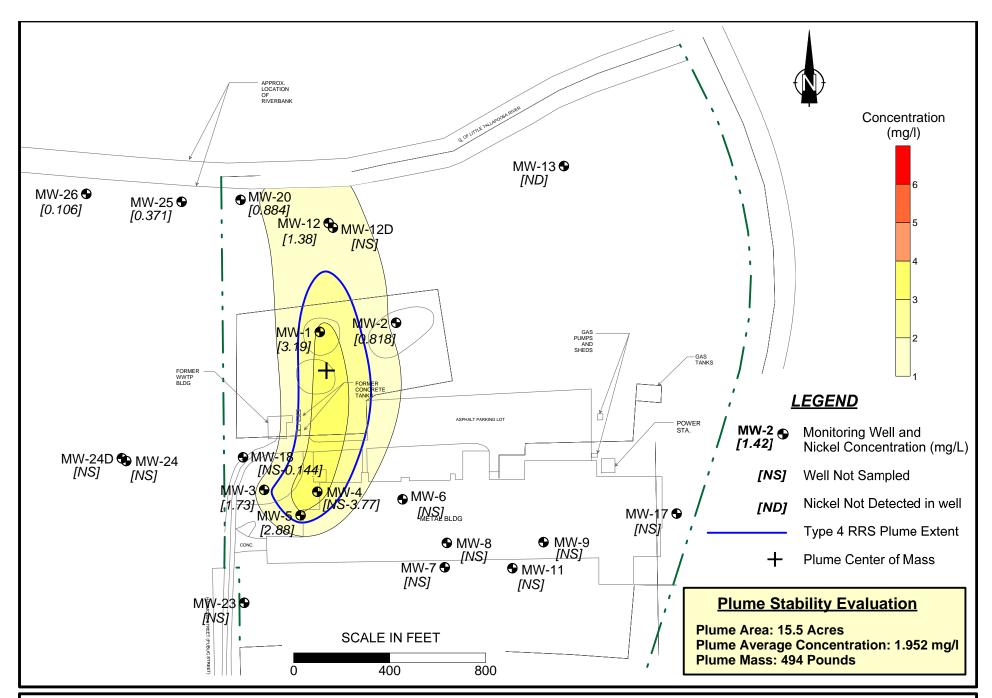


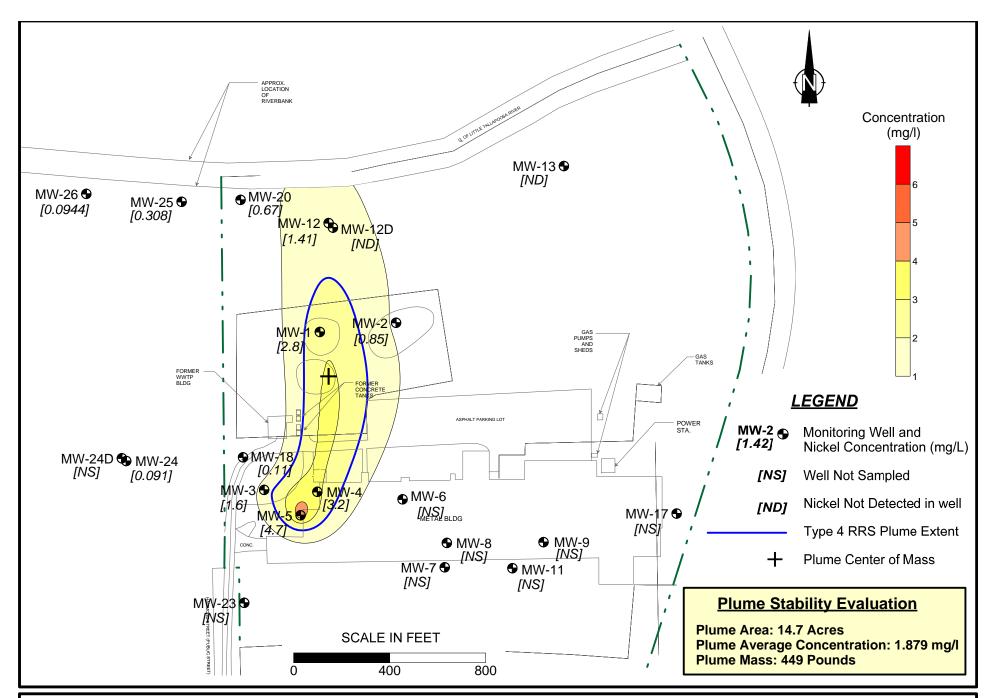


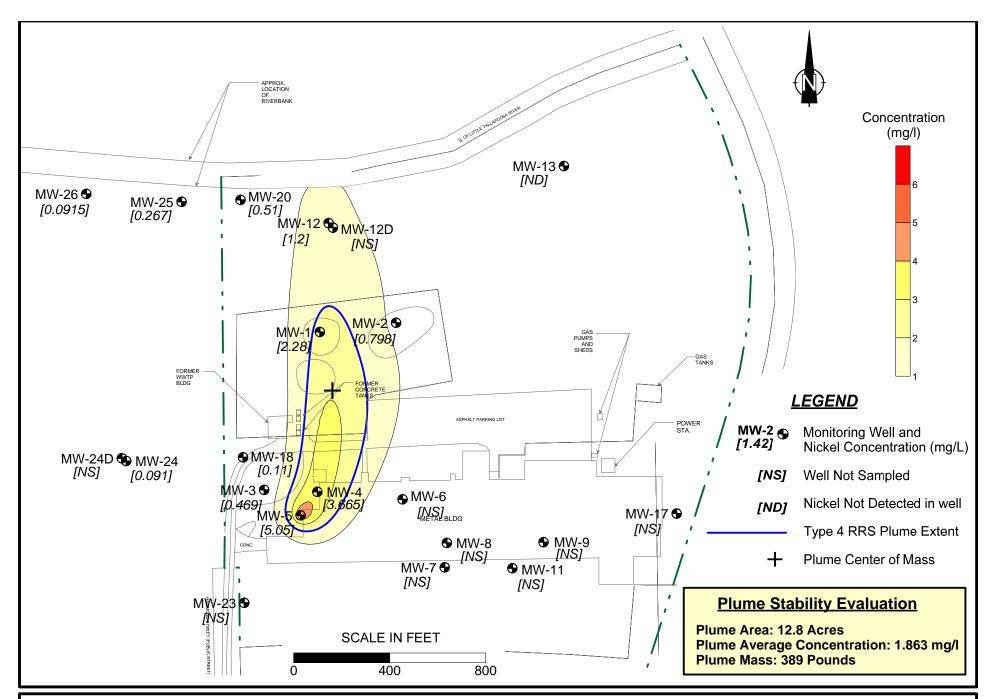


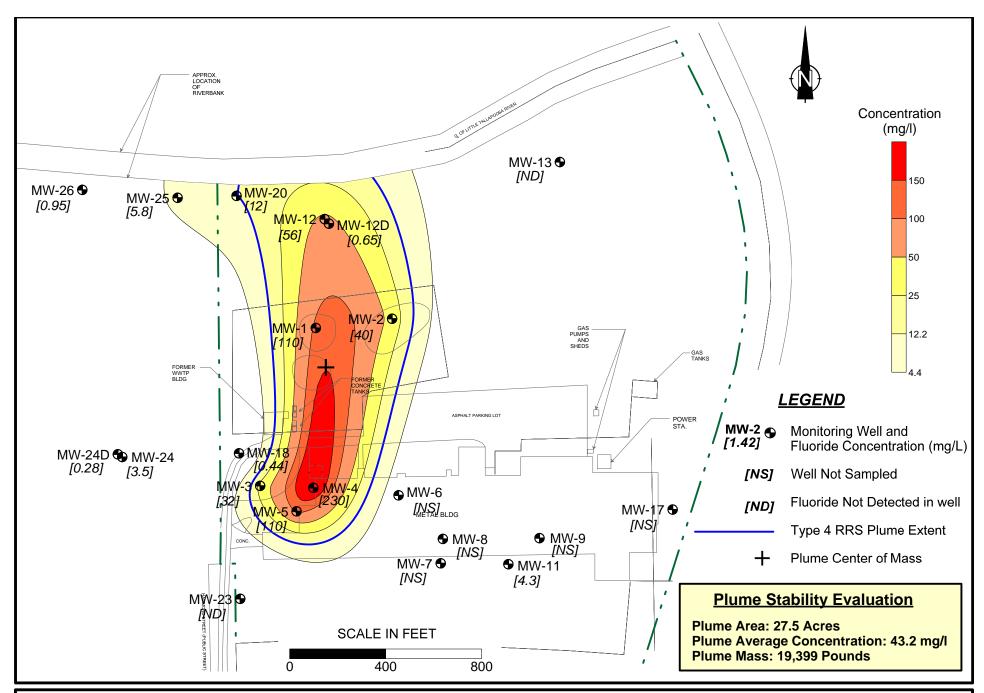


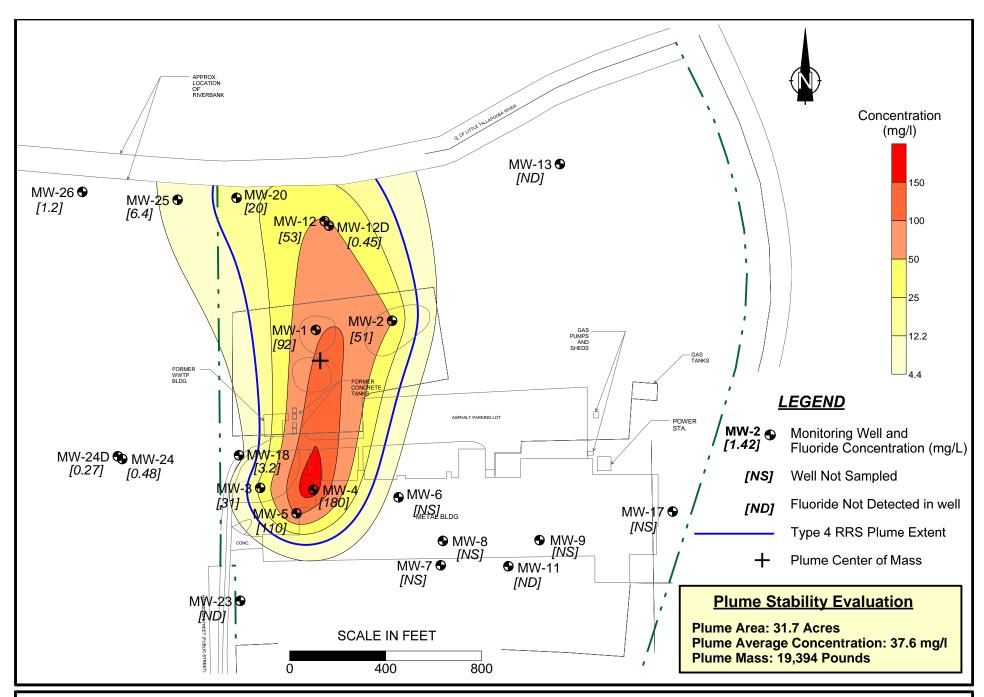


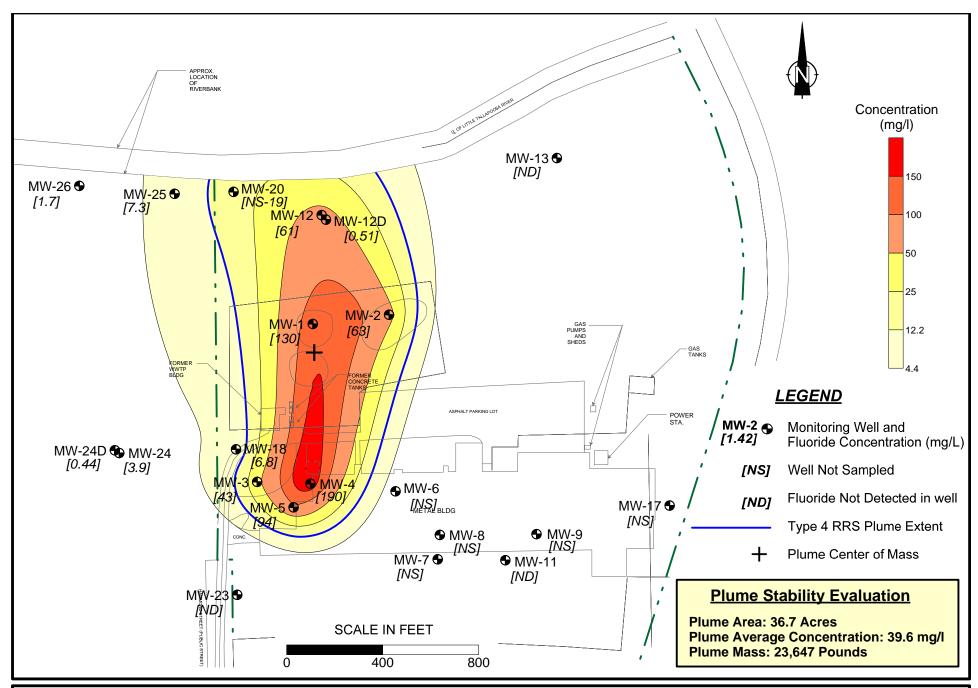






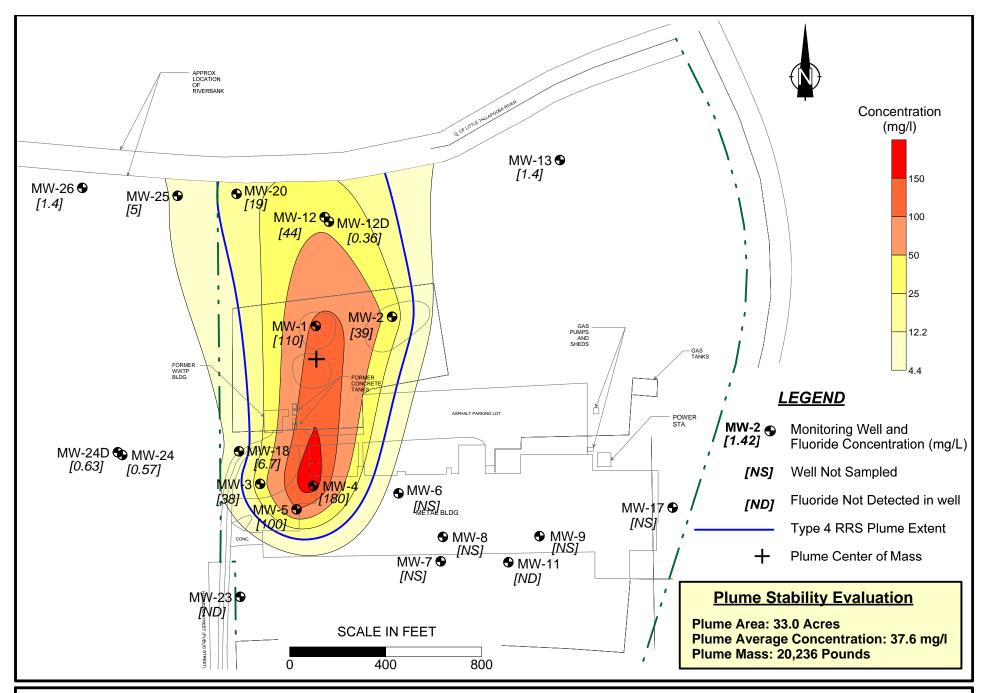


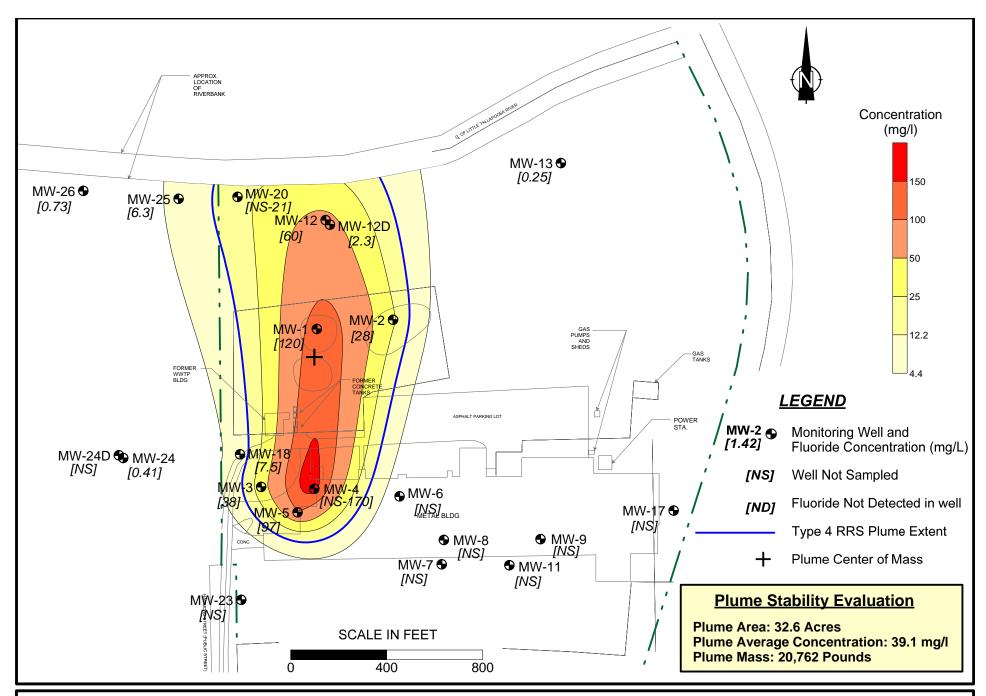


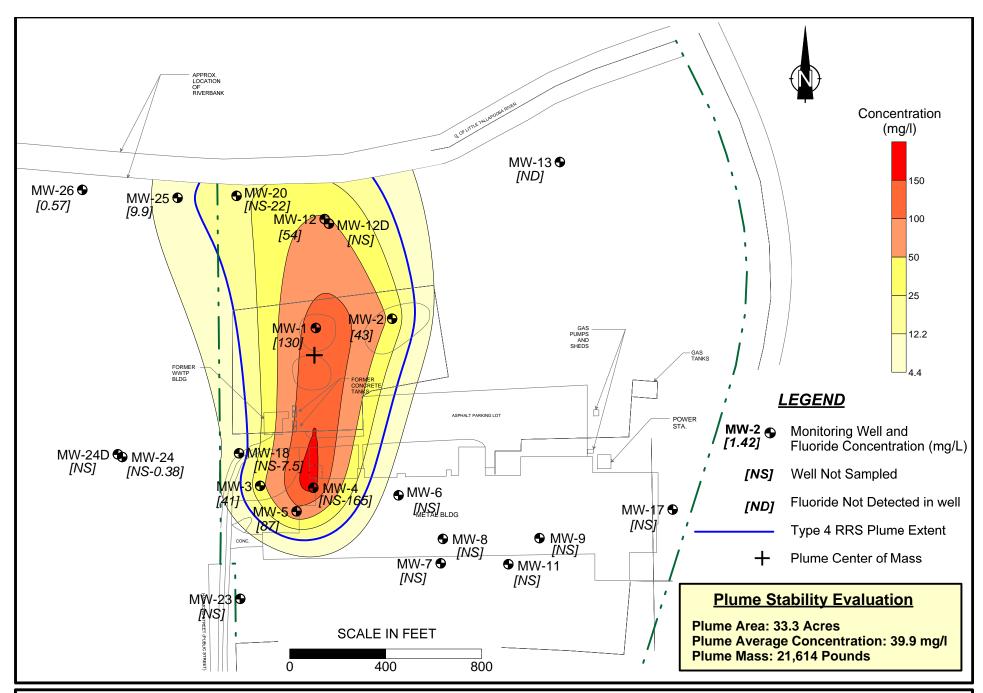




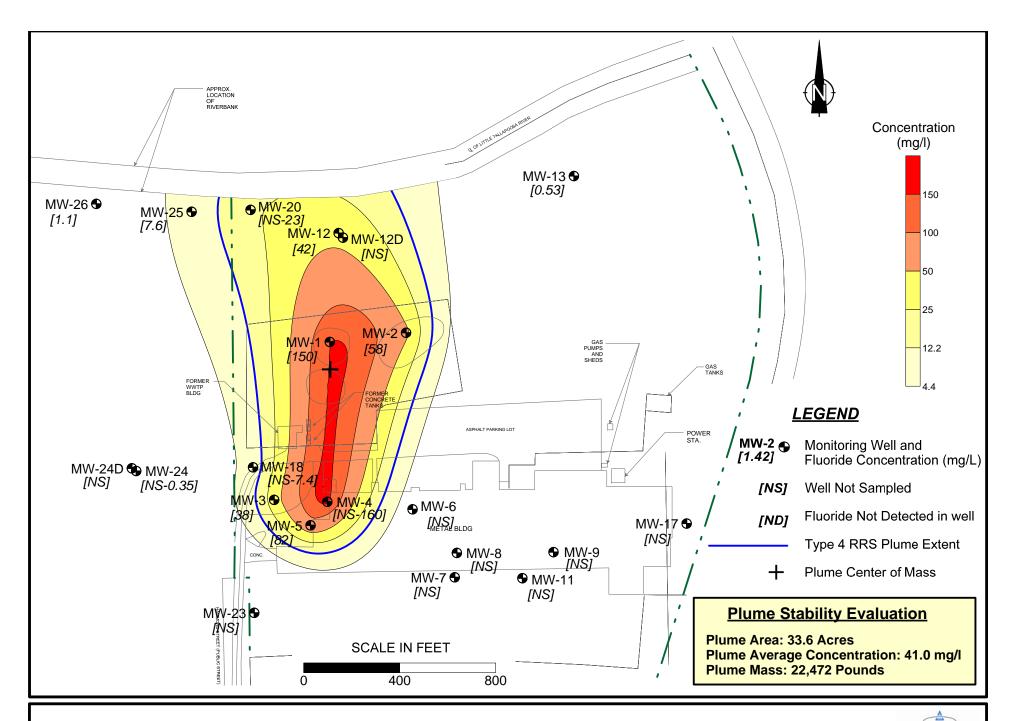




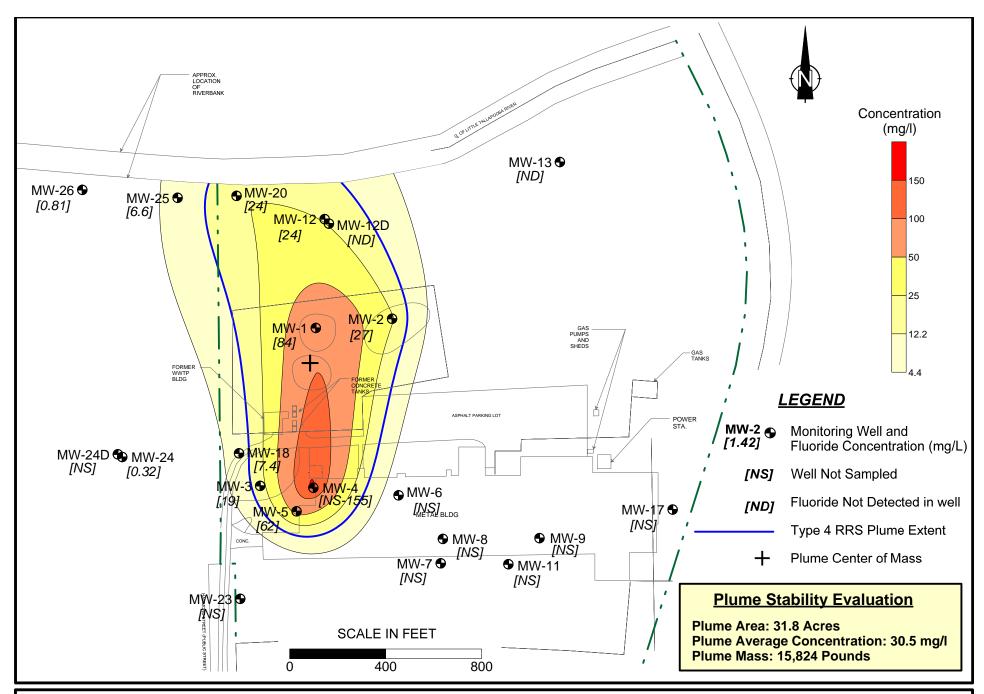


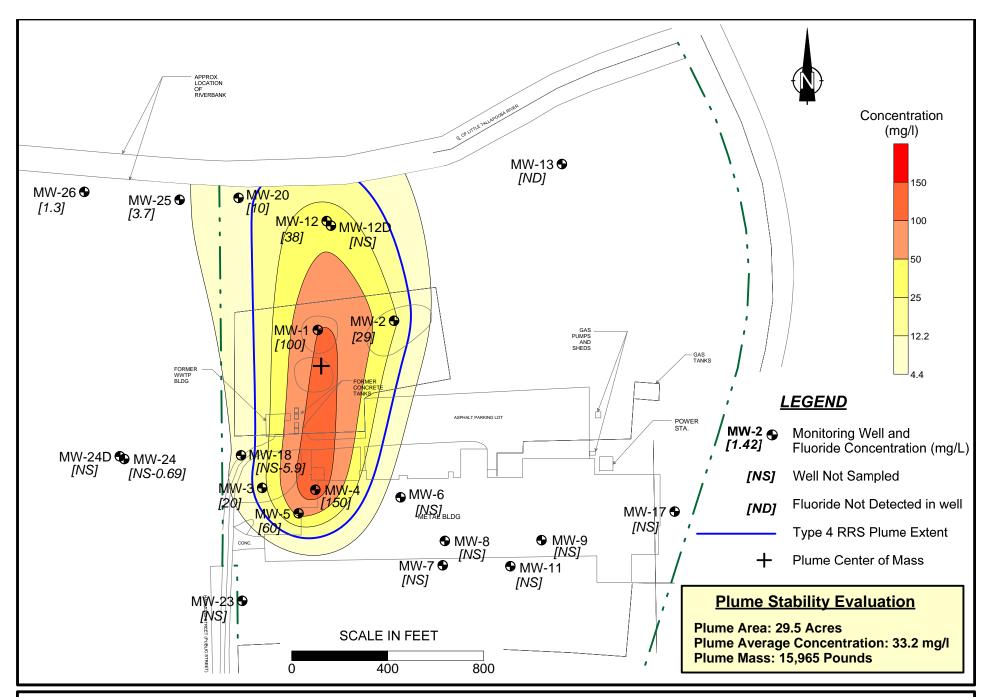


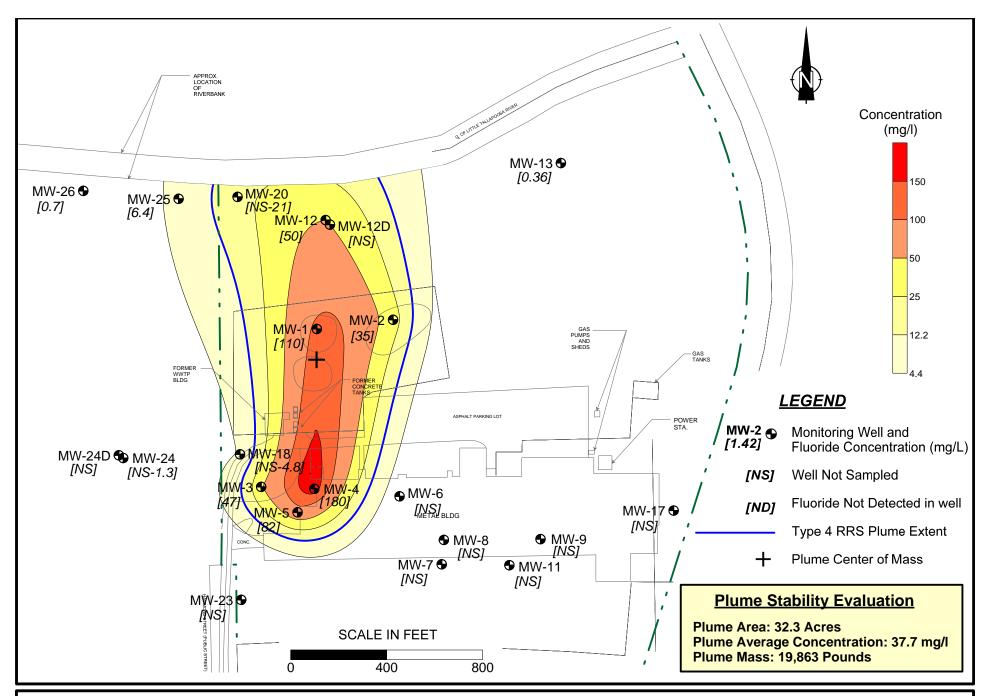




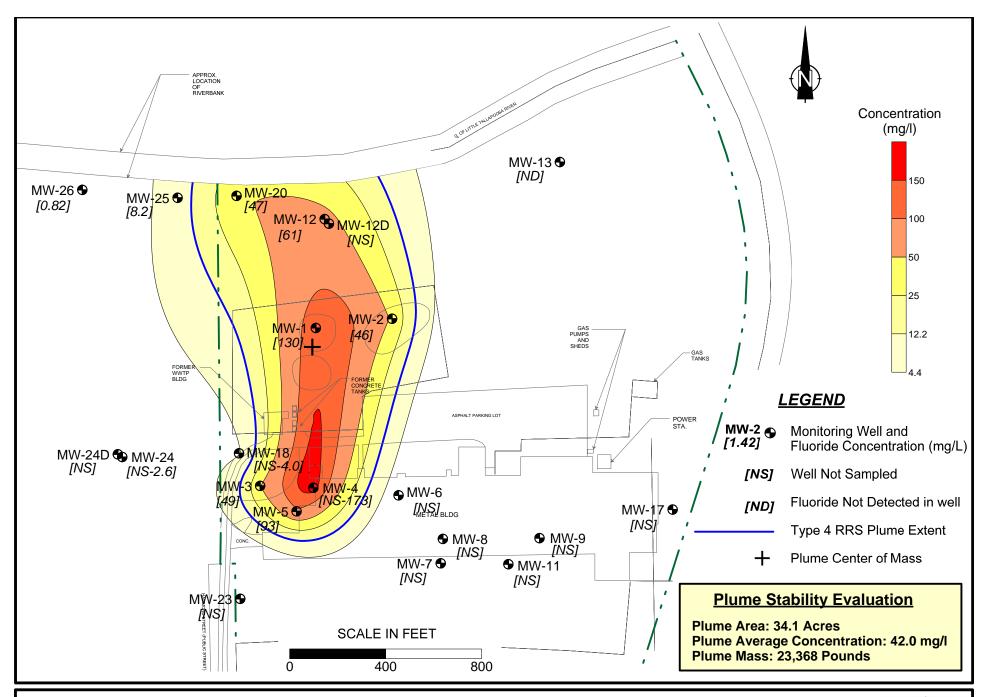


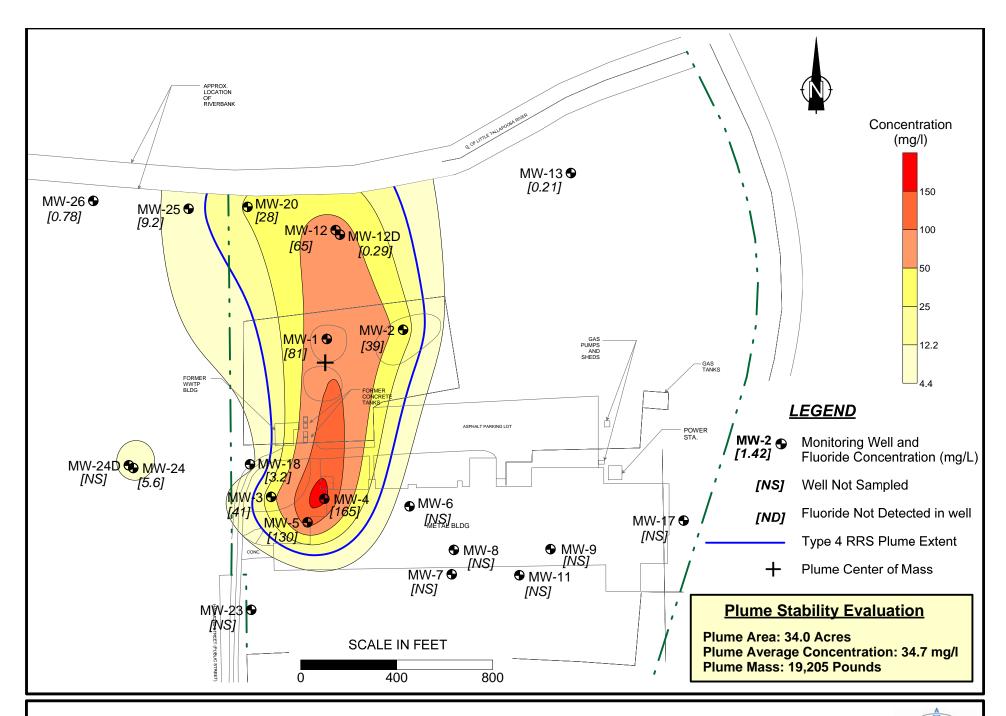


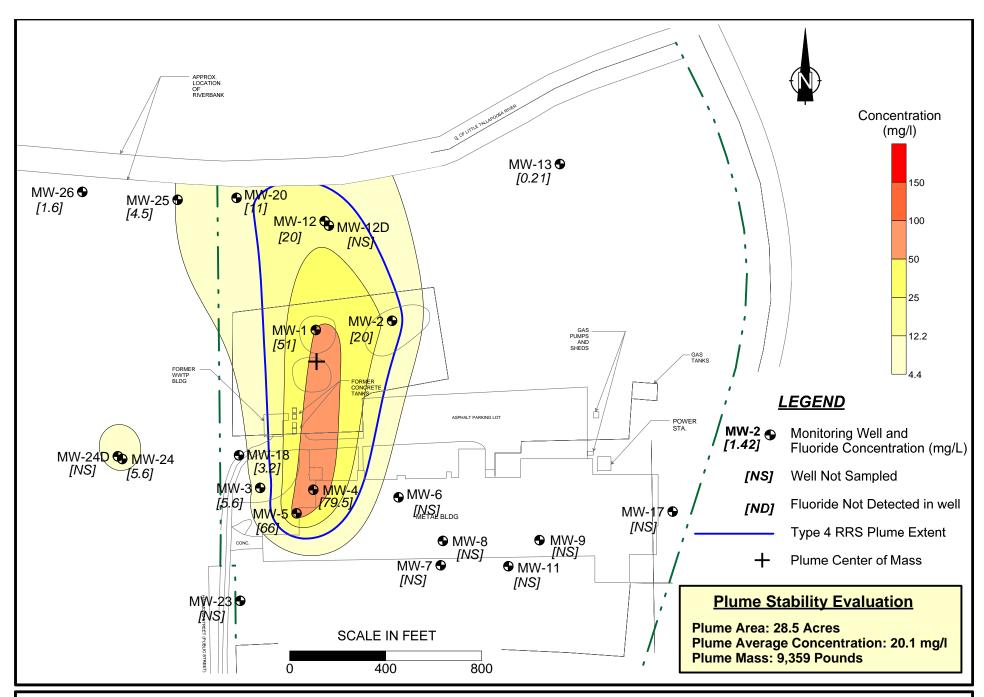














ATTACHMENT D

RISK REDUCTION STANDARDS

Summary: Risk Reduction Standards for Groundwater

| Constituents | CAS Number | Type 1/3 GW RRS (mg/L) | Type 2 GW RRS (mg/L) | Type 4 GW RRS (mg/L) |
|--|------------|------------------------------|----------------------------|----------------------------|
| | | | | |
| <u>Inorganics</u> | | | | |
| Chromium(III), Insoluble Salts (not regulated substance) | 16065-83-1 | | 23.5 | |
| Lead and Compounds | 7439-92-1 | 0.015 | 0.010 | |
| Nickel Soluble Salts | 7440-02-0 | 0.100 | 0.313 | 2.04 |
| Mercury (elemental) | 7439-97-6 | 0.002 | 0.0002 | |
| Fluoride | 16984-48-8 | 4.00 | 0.626 | 4.09 |
| <u>VOCs</u> | | | | |
| Trichloroethene (TCE) | 79-01-6 | 0.005 | 0.005 | 0.005 |

Except where otherwise noted, RRS calculations based on standard default values of Georgia HSRA regulations (§391-3-19), U.S. EPA Mid-Atlantic Risk Assessment toxicity factors and physio-chemical properties (May 2016 update), and project-specific detection limits. Values derived using site-specific exposure factors such as water ingestion rate, exposure duration, etc., other detection limits, or updated toxicity factors and physio-chemical properties, will differ from the calculations contained herein.

Type 2 Risk Reduction Standards for Groundwater[Rule 391-3-19-.07(7)(b)]

| | Ite | m 1 | Ite | m 2 | Least of | | |
|--|----------------|----------------|--------------|--------------|-------------|-----------|-------------------|
| | RAGS (Equ 2) | RAGS (Equ 2) | RAGS (Equ 1) | RAGS (Equ 1) | Items 1 & 2 | Detection | TYPE 2 RRS |
| Constituents (mg/L) | Non-Carc Adult | Non-Carc Child | Carc Adult | Carc Child | | Limit | |
| | | | | | | | |
| <u>Inorganics</u> | | | | | | | |
| Chromium(III), Insoluble Salts (not regulated substance) | 5.48E+01 | 2.35E+01 | | | 2.35E+01 | 1.00E-02 | 2.35E+01 |
| Lead and Compounds | | | | | | 1.00E-02 | 1.00E-02 |
| Nickel Soluble Salts | 7.30E-01 | 3.13E-01 | | | 3.13E-01 | 2.00E-02 | 3.13E-01 |
| Mercury (elemental) | | | | | | 2.00E-04 | 2.00E-04 |
| Fluoride | 1.46E+00 | 6.26E-01 | | | 6.26E-01 | 1.00E-01 | 6.26E-01 |
| <u>VOCs</u> | | | | | | | |
| Trichloroethene (TCE) | 4.26E-03 | 1.03E-03 | 8.53E-03 | 1.19E-02 | 1.03E-03 | 5.00E-03 | 5.00E-03 |

Type 2 Non-Carcinogenic Evaluation for Groundwater; Residential Adult (RAGS Equ. 2)

| Constituents | THI | BW (kg) | | CF (d/yr) | EF (d/yr) | | | Oral RfD (mg/kg-d) | IR a (m3/d) | K (L/m³) | Inh. RfD (mg/kg-d) | Type 2 GW Stnd (mg/L) | Remarks |
|--|-----|------------|----|--------------|--------------|----|---|-----------------------|----------------|-------------|-----------------------|-----------------------------|---------------|
| Inorganics | | | | | | | | | | | | | |
| Chromium(III), Insoluble Salts (not regulated substance) | 1 | 70 | 30 | 365 | 350 | 30 | 2 | 1.5E+00 | 15 | 0.5 | | 5.48E+01 | oral only |
| Lead and Compounds | | 70 | 30 | 365 | 350 | 30 | 2 | | 15 | 0.5 | | | no tox values |
| Nickel Soluble Salts | 1 | 70 | 30 | 365 | 350 | 30 | 2 | 2.0E-02 | 15 | 0.5 | 2.6E-05 | 7.30E-01 | not volatile |
| Mercury (elemental) | 1 | 70 | 30 | 365 | 350 | 30 | 2 | | 15 | 0.5 | 8.6E-05 | | not volatile |
| Fluoride | 1 | 70 | 30 | 365 | 350 | 30 | 2 | 4.0E-02 | 15 | 0.5 | 3.7E-03 | 1.46E+00 | not volatile |
| VOCs | | | | | | | | | | | | | |
| Trichloroethene (TCE) | 1 | 70 | 30 | 365 | 350 | 30 | 2 | 5.0E-04 | 15 | 0.5 | 5.7E-04 | 4.26E-03 | oral & inh. |

Type 2 Non-Carcinogenic Evaluation for Groundwater; Residential Child (RAGS Equ. 2)

| Constituents | THI | BW (kg) | | CF (d/yr) | EF (d/yr) | | | Oral RfD (mg/kg-d) | IR a (m3/d) | K (L/m³) | Inh. RfD (mg/kg-d) | Type 2 GW Stnd (mg/L) | Remarks |
|--|-----|------------|---|--------------|--------------|---|-----|-----------------------|----------------|-------------|-----------------------|-----------------------------|---------------|
| Inorganics | | | | | | | | | | | | | |
| Chromium(III), Insoluble Salts (not regulated substance) | 1 | 15 | 6 | 365 | 350 | 6 | 1 | 1.5E+00 | 15 | 0.5 | | 2.35E+01 | oral only |
| Lead and Compounds | | 15 | 6 | 365 | 350 | 6 | l i | | 15 | 0.5 | | | no tox values |
| Nickel Soluble Salts | 1 | 15 | 6 | 365 | 350 | 6 | 1 | 2.0E-02 | 15 | 0.5 | 2.6E-05 | 3.13E-01 | not volatile |
| Mercury (elemental) | 1 | 15 | 6 | 365 | 350 | 6 | 1 | | 15 | 0.5 | 8.6E-05 | | not volatile |
| Fluoride | 1 | 15 | 6 | 365 | 350 | 6 | 1 | 4.0E-02 | 15 | 0.5 | 3.7E-03 | 6.26E-01 | not volatile |
| VOCs | | | | | | | | | | | | | |
| Trichloroethene (TCE) | 1 | 15 | 6 | 365 | 350 | 6 | 1 | 5.0E-04 | 15 | 0.5 | 5.7E-04 | 1.03E-03 | oral & inh. |

Type 2 Carcinogenic Evaluation for Groundwater; Residential Adult (RAGS Equ. 1)

| Constituents | TR | BW (kg) | | CF (d/yr) | EF (d/yr) | | IR w (L/d) | Oral SF (mg/kg-d)-1 | IR a (m3/d) | K (L/m³) | Inh. SF (mg/kg-d)-1 | Type 2 GW Stnd (mg/L) | Remarks |
|--|----------|------------|----|--------------|--------------|----|---------------|------------------------|----------------|-------------|------------------------|-----------------------------|--------------|
| | | | | | | | | | | | | | |
| <u>Inorganics</u> | | | | | | | | | | | | | |
| Chromium(III), Insoluble Salts (not regulated substance) | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 2 | | 15 | 0.5 | | | no tox value |
| Lead and Compounds | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 2 | | 15 | 0.5 | | | no tox value |
| Nickel Soluble Salts | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 2 | | 15 | 0.5 | 9.1E-01 | | not volatile |
| Mercury (elemental) | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 2 | | 15 | 0.5 | | | no tox value |
| Fluoride | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 2 | | 15 | 0.5 | | | no tox value |
| <u>VOCs</u> | | | | | | | | | | | | | |
| Trichloroethene (TCE) | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 2 | 4.6E-02 | 15 | 0.5 | 1.4E-02 | 8.53E-03 | oral & inh. |

Type 2 Carcinogenic Evaluation for Groundwater; Residential Child (RAGS Equ. 1)

| Constituents | TR | BW (kg) | | _ | EF (d/yr) | | IR w (L/d) | Oral SF (mg/kg-d)-1 | IR a (m3/d) | K (L/m³) | Inh. SF (mg/kg-d)-1 | Type 2 GW Stnd (mg/L) | Remarks |
|--|----------|------------|----|-----|--------------|---|---------------|------------------------|----------------|-------------|------------------------|-----------------------------|--------------|
| | | | | | | | | | | | | | |
| <u>Inorganics</u> | | | | | | | | | | | | | |
| Chromium(III), Insoluble Salts (not regulated substance) | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 1 | | 15 | 0.5 | | | no tox value |
| Lead and Compounds | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 1 | | 15 | 0.5 | | | no tox value |
| Nickel Soluble Salts | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 1 | | 15 | 0.5 | 9.1E-01 | | no tox value |
| Mercury (elemental) | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 1 | | 15 | 0.5 | | | no tox value |
| Fluoride | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 1 | | 15 | 0.5 | | | no tox value |
| <u>VOCs</u> | | | | | | | | | | | | | |
| Acetone | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 1 | | 15 | 0.5 | | | no tox value |
| Toluene | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 1 | | 15 | 0.5 | | | no tox value |
| Trichloroethene (TCE) | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 1 | 4.6E-02 | 15 | 0.5 | 1.4E-02 | 1.19E-02 | oral & inh. |

Type 4 Risk Reduction Standards for Groundwater [Rule 391-3-19-.07(9)(c)]

| | Item 1 | Item 2 | Least of | | |
|-----------------------|----------------|--------------|-------------|-----------|------------|
| | RAGS (Equ 2) | RAGS (Equ 1) | Items 1 & 2 | Detection | TYPE 4 RRS |
| Constituents (mg/L) | Non-Carc Adult | Carc Adult | | Limit | |
| | | | | | |
| <u>Inorganics</u> | | | | | |
| Nickel Soluble Salts | 2.04E+00 | | 2.04E+00 | 2.00E-02 | 2.04E+00 |
| Fluoride | 4.09E+00 | | 4.09E+00 | 1.00E-01 | 4.09E+00 |
| <u>VOCs</u> | | | | | |
| Trichloroethene (TCE) | 5.24E-03 | 1.51E-02 | 5.24E-03 | 5.00E-03 | 5.24E-03 |

Type 4 Non-Carcinogenic Evaluation for Groundwater; Non-Residential Adult (RAGS Equ. 2)

| Constituents | | BW (kg) | | CF (d/yr) | | | IR w (L/d) | | IR a (m3/d) | K (L/m³) | Inh. RfD (mg/kg-d) | Type 4 GW Stnd (mg/L) | Remarks |
|-----------------------|---|------------|----|--------------|-----|----|---------------|---------|----------------|-------------|-----------------------|-----------------------------|--------------|
| <u>Inorganics</u> | | | | | | | | | | | | | |
| Nickel Soluble Salts | 1 | 70 | 25 | 365 | 250 | 25 | 1 | 2.0E-02 | 20 | 0.5 | 2.6E-05 | 2.04E+00 | not volatile |
| Fluoride | 1 | 70 | 25 | 365 | 250 | 25 | 1 | 4.0E-02 | 20 | 0.5 | 3.7E-03 | 4.09E+00 | not volatile |
| <u>VOCs</u> | | | | | | | | | | | | | |
| Trichloroethene (TCE) | 1 | 70 | 25 | 365 | 250 | 25 | 1 | 5.0E-04 | 20 | 0.5 | 5.7E-04 | 5.24E-03 | oral & inh. |

Type 4 Carcinogenic Evaluation for Groundwater; non-Residential Adult (RAGS Equ. 1)

| Constituents | TR | BW (kg) | | CF (d/yr) | EF (d/yr) | | IR w (L/d) | | IR a (m3/d) | K (L/m³) | Inh. SF (mg/kg-d)-1 | Type 4 GW Stnd (mg/L) | Remarks |
|-----------------------|----------|------------|----|--------------|--------------|----|---------------|---------|----------------|-------------|------------------------|-----------------------------|--------------|
| Inorganics | | | | | | | | | | | | | |
| Nickel Soluble Salts | 1.00E-05 | 70 | 70 | 365 | 250 | 25 | 1 | | 20 | 0.5 | 9.1E-01 | | no tox value |
| Fluoride | 1.00E-05 | 70 | 70 | 365 | 250 | 25 | 1 | | 20 | 0.5 | | | no tox value |
| <u>VOCs</u> | | | | | | | | | | | | | |
| Trichloroethene (TCE) | 1.00E-05 | 70 | 70 | 365 | 250 | 25 | 1 | 4.6E-02 | 20 | 0.5 | 1.4E-02 | 1.51E-02 | oral & inh. |

| | | Type 1 | Type 2 | | 3 Soil RRS |
|-----------------------|------------|----------|----------|--------------|-----------------|
| | | Soil RRS | Soil RRS | Surface Soil | Subsurface Soil |
| Constituents | CAS Number | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | | | |
| <u>PCBs</u> | | | | | |
| Aroclor 1248 | 12672-29-6 | 1.55 | | | |
| <u>Inorganics</u> | | | | | |
| Barium | 7440-39-3 | 1,000 | | | |
| Chromium, Total | 7440-47-3 | 100 | 117,321 | | |
| Lead and Compounds | 7439-92-1 | 75.0 | 270 | | |
| Nickel Soluble Salts | 7440-02-0 | 50.0 | 409 | | |
| Mercury (elemental) | 7439-97-6 | 0.500 | 2.09 | 17.0 | 17.0 |
| Fluoride | 16984-48-8 | 400 | 3,128 | | |
| <u>VOCs</u> | | | | | |
| Acetone | 67-64-1 | 400 | | | |
| Toluene | 108-88-3 | 100 | | | |
| Trichloroethene (TCE) | 79-01-6 | 0.500 | | | |

Except where otherwise noted, RRS calculations based on standard default values of Georgia HSRA regulations (§391-3-19), U.S. EPA Mid-Atlantic Risk Assessment toxicity factors and physio-chemical properties (May 2016 update), Partioning Equation for Migration to Groundwater (Equation 4-10) of U.S. EPA Supplemental Guidance for Developing Soil Screening Levels at Superfund Sites (December 2002), and project-specific detection limits. Values derived using site-specific factors such as fraction of organic carbon (foc), SPLP test results, etc., updated toxicity factors and physio-chemical properties, or other detection limits will differ from the calculations contained herein.

Type 2 risk reduction standard for chromium assumes trivalent state

Type 1 Risk Reduction Standards for Soil [Rule 391-3-19-.07(6)(c)]

| | | Item 1 (i) | Item 1 (ii) | | Item 2 | Item 3 | |
|-----------------------|---------------|---------------|----------------|--------------|------------------|--------------|------------|
| | Appendix III | Appendix I | Type 1 GW | Greatest of | RAGS (Equ 7) | RAGS (Equ 6) | Type 1 RRS |
| Constituents (mg/kg) | Table 2 Value | Concentration | Criteria x 100 | Item i - iii | Non-Carcinogenic | Carcinogenic | (mg/kg) |
| | | | | | | | |
| PCBs | | | | | | | |
| Aroclor 1248 | | 1.55 | 0.05 | 1.55 | | 7.47E+00 | 1.55 |
| <u>Inorganics</u> | | | | | | | |
| Barium | 1,000 | | | | | | 1,000 |
| Chromium, Total | 100 | | | | | | 100 |
| Lead and Compounds | 75.0 | | | | | | 75.0 |
| Nickel Soluble Salts | 50.0 | | | | | | 50.0 |
| Mercury (elemental) | 0.500 | | | | | | 0.500 |
| Fluoride | | | 400 | 400 | 2.56E+04 | | 400 |
| <u>VOCs</u> | | | | | | | |
| Acetone | | 2.74 | 400 | 400 | 5.65E+05 | | 400 |
| Toluene | | 14.40 | 100 | 100 | 5.05E+04 | | 100 |
| Trichloroethene (TCE) | | 0.13 | 0.500 | 0.500 | 2.03E+02 | 2.69E+02 | 0.500 |

Type 1 Non-Carcinogenic Evaluation for Soil; Residential Use Scenario (RAGS Equ. 7)

| Constituents | THI | BW (kg) | | CF (d/yr) | EF (d/yr) | ED (yr) | IR s (mg/d) | CF (kg/mg) | Oral RfD (mg/kg-d) | IR a (m3/d) | VF (m3/kg) | PEF (m3/kg) | Inh. RfD (mg/kg-d) | Type 1 Soil Std. (mg/kg) | Remarks |
|-----------------------|-----|------------|----|--------------|--------------|------------|----------------|---------------|-----------------------|----------------|---------------|----------------|-----------------------|--------------------------------|---------------|
| | | | | | | | | | | | | | | | |
| PCBs | | | | | | | | | | | | | | | |
| Aroclor 1248 | 1 | 70 | 30 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| <u>Inorganics</u> | | | | | | | | | | | | | | | |
| Barium | 1 | 70 | 30 | 365 | 350 | 30 | 114 | 1.0E-06 | 2.0E-01 | 15 | | 4.63E+09 | 1.4E-04 | 1.23E+05 | oral & inh. |
| Chromium, Total | 1 | 70 | 30 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | - | 4.63E+09 | | | no tox values |
| Lead and Compounds | 1 | 70 | 30 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| Nickel Soluble Salts | 1 | 70 | 30 | 365 | 350 | 30 | 114 | 1.0E-06 | 2.0E-02 | 15 | | 4.63E+09 | 2.6E-05 | 1.25E+04 | oral & inh. |
| Mercury (elemental) | 1 | 70 | 30 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | | 4.63E+09 | 8.6E-05 | 1.93E+06 | inh only |
| Fluoride | 1 | 70 | 30 | 365 | 350 | 30 | 114 | 1.0E-06 | 4.0E-02 | 16 | | 4.63E+09 | 3.7E-03 | 2.56E+04 | inh only |
| <u>VOCs</u> | | | | | | | | | | | | | | | |
| Acetone | 1 | 70 | 30 | 365 | 350 | 30 | 114 | 1.0E-06 | 9.0E-01 | 15 | 6.42E+05 | 4.63E+09 | 8.9E+00 | 5.65E+05 | oral & inh. |
| Toluene | 1 | 70 | 30 | 365 | 350 | 30 | 114 | 1.0E-06 | 8.0E-02 | 15 | 5.17E+05 | 4.63E+09 | 1.4E+00 | 5.05E+04 | oral & inh. |
| Trichloroethene (TCE) | 1 | 70 | 30 | 365 | 350 | 30 | 114 | 1.0E-06 | 5.0E-04 | 15 | 2.00E+05 | 4.63E+09 | 5.7E-04 | 2.03E+02 | oral & inh. |

Type 1 Carcinogenic Evaluation for Soil; Residential Use Scenario (RAGS Equ. 6)

| Constituents | TR | BW (kg) | | CF (d/yr) | EF (d/yr) | ED (yr) | IR s (mg/d) | CF (kg/mg) | Oral SF (mg/kg-d)-1 | IR a (m3/d) | VF (m3/kg) | PEF (m3/kg) | Inh. SF (mg/kg-d)-1 | Type 1 Soil Std. (mg/kg) | Remarks |
|-----------------------|----------|------------|----|--------------|--------------|------------|----------------|---------------|------------------------|----------------|---------------|----------------|------------------------|--------------------------------|---------------|
| | | | | | | | | | | | | | | | |
| PCBs | | | | | | | | | | | | | | | |
| Aroclor 1248 | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 114 | 1.0E-06 | 2.0E+00 | 15 | | 4.63E+09 | 2.0E+00 | 7.47E+00 | oral & inh. |
| <u>Inorganics</u> | | | | | | | | | | | | | | | |
| Barium | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| Chromium, Total | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| Lead and Compounds | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| Nickel Soluble Salts | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | | 4.63E+09 | 9.1E-01 | 5.78E+05 | inh only |
| Mercury (elemental) | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| <u>VOCs</u> | | | | | | | | | | | | | | | |
| Acetone | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | 6.42E+05 | 4.63E+09 | | | no tox values |
| Toluene | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 114 | 1.0E-06 | | 15 | 5.17E+05 | 4.63E+09 | | | no tox values |
| Trichloroethene (TCE) | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 114 | 1.0E-06 | 4.6E-02 | 15 | 2.00E+05 | 4.63E+09 | 1.4E-02 | 2.69E+02 | oral & inh. |

Type 2 Risk Reduction Standards for Soil [Rule 391-3-19-.07(7)(c)]

| | Item 1 | Iter | m 2 | Iter | n 3 | | | |
|--|---------------------|----------------|----------------|------------|------------|-------------|----------|------------|
| | Groundwater | RAGS | (Equ 7) | RAGS | (Equ 6) | Least of | IEUBK | TYPE 2 RRS |
| Constituents (mg/kg) | Protection Standard | Non-Carc Adult | Non-Carc Child | Carc Adult | Carc Child | Items 1 - 3 | Model | (mg/kg) |
| | | | | | | | | |
| <u>Inorganics</u> | | | | | | | | |
| Chromium(III), Insoluble Salts (not regulated substance) | (a) | 1.10E+06 | 1.17E+05 | | | 1.17E+05 | | 117,321 |
| Lead and Compounds | 270 | | | | | 2.70E+02 | 4.18E+02 | 270 |
| Nickel Soluble Salts | 409 | 1.42E+04 | 1.54E+03 | 5.78E+05 | 6.19E+05 | 4.09E+02 | | 409 |
| Mercury (elemental) | 2.09 | 1.93E+06 | 4.14E+05 | | | 2.09E+00 | | 2.09 |
| Fluoride | 12,023 | 2.92E+04 | 3.13E+03 | | | 3.13E+03 | | 3,128 |

⁽a) Chemical-specific properties are such that this pathway is not of concern at any soil contaminant concentration

Type 2 Non-Carcinogenic Evaluation for Soil; Residential Adult (RAGS Equ. 7)

| Constituents | THI | BW (kg) | | CF (d/yr) | EF (d/yr) | ED (yr) | IR s (mg/d) | CF (kg/mg) | Oral RfD (mg/kg-d) | IR a (m3/d) | VF (m3/kg) | PEF (m3/kg) | Inh. RfD (mg/kg-d) | Type 2 Soil Std. (mg/kg) | Remarks |
|--|-----|------------|----|--------------|--------------|------------|----------------|---------------|-----------------------|----------------|---------------|----------------|-----------------------|--------------------------------|---------------|
| <u>Inorganics</u> | | | | | | | | | | | | | | | |
| Chromium(III), Insoluble Salts (not regulated substance) | 1 | 70 | 30 | 365 | 350 | 30 | 100 | 1.0E-06 | 1.5E+00 | 15 | | 4.63E+09 | | 1.10E+06 | oral only |
| Lead and Compounds | 1 | 70 | 30 | 365 | 350 | 30 | 100 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| Nickel Soluble Salts | 1 | 70 | 30 | 365 | 350 | 30 | 100 | 1.0E-06 | 2.0E-02 | 15 | | 4.63E+09 | 2.6E-05 | 1.42E+04 | oral & inh. |
| Mercury (elemental) | 1 | 70 | 30 | 365 | 350 | 30 | 100 | 1.0E-06 | | 15 | | 4.63E+09 | 8.6E-05 | 1.93E+06 | inh only |
| Fluoride | 1 | 70 | 30 | 365 | 350 | 30 | 100 | 1.0E-06 | 4.0E-02 | 15 | | 4.63E+09 | 3.7E-03 | 2.92E+04 | oral & inh. |

Type 2 Non-Carcinogenic Evaluation for Soil; Residential Child (RAGS Equ. 7)

| Constituents | THI | BW (kg) | AT (yr) | CF (d/yr) | EF (d/yr) | ED (yr) | IR s (mg/d) | CF (kg/mg) | Oral RfD (mg/kg-d) | IR a (m3/d) | VF (m3/kg) | PEF (m3/kg) | Inh. RfD (mg/kg-d) | Type 2 Soil Std. (mg/kg) | Remarks |
|-------------------------------------|-----|------------|------------|--------------|--------------|------------|----------------|---------------|-----------------------|----------------|---------------|----------------|-----------------------|--------------------------------|---------------|
| <u>Inorganics</u> | | | | | | | | | | | | | | | |
| Chromium(III), Insoluble Salts (not | | | | | | | | | | | | | | | |
| regulated substance) | 1 | 15 | 6 | 365 | 350 | 6 | 200 | 1.0E-06 | 1.5E+00 | 15 | | 4.63E+09 | | 1.17E+05 | oral only |
| Lead and Compounds | 1 | 15 | 6 | 365 | 350 | 6 | 200 | 1.0E-06 | | 15 | ; | 4.63E+09 | | | no tox values |
| Nickel Soluble Salts | 1 | 15 | 6 | 365 | 350 | 6 | 200 | 1.0E-06 | 2.0E-02 | 15 | | 4.63E+09 | 2.6E-05 | 1.54E+03 | oral & inh. |
| Mercury (elemental) | 1 | 15 | 6 | 365 | 350 | 6 | 200 | 1.0E-06 | | 15 | | 4.63E+09 | 8.6E-05 | 4.14E+05 | inh only |
| Fluorene | 1 | 15 | 6 | 365 | 350 | 6 | 200 | 1.0E-06 | 4.0E-02 | 15 | | 4.63E+09 | 3.7E-03 | 3.13E+03 | , |

Type 2 Carcinogenic Evaluation for Soil; Residential Adult (RAGS Equ. 6)

| Constituents | TR | BW (kg) | AT (yr) | CF (d/yr) | EF (d/yr) | ED (yr) | IR s (mg/d) | CF (kg/mg) | Oral SF (mg/kg-d)-1 | IR a (m3/d) | VF (m3/kg) | PEF (m3/kg) | Inh. SF (mg/kg-d)-1 | Type 2 Soil Std. (mg/kg) | Remarks |
|--|----------|------------|------------|--------------|--------------|------------|----------------|---------------|------------------------|----------------|---------------|----------------|------------------------|--------------------------------|---------------|
| <u>Inorganics</u> | | | | | | | | | | | | | | | |
| Chromium(III), Insoluble Salts (not regulated substance) | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 100 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| Lead and Compounds | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 100 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| Nickel Soluble Salts | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 100 | 1.0E-06 | | 15 | | 4.63E+09 | 9.1E-01 | 5.78E+05 | inh only |
| Mercury (elemental) | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 100 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| Fluoride | 1.00E-05 | 70 | 70 | 365 | 350 | 30 | 100 | 1.0E-06 | | 16 | | 4.63E+09 | | | no tox values |

Type 2 Carcinogenic Evaluation for Soil; Residential Child (RAGS Equ. 6)

| Constituents | TR | BW (kg) | AT (yr) | CF (d/yr) | EF (d/yr) | ED (yr) | IR s (mg/d) | CF (kg/mg) | Oral SF (mg/kg-d)-1 | IR a (m3/d) | VF (m3/kg) | PEF (m3/kg) | Inh. SF (mg/kg-d)-1 | Type 2 Soil Std. (mg/kg) | Remarks |
|---|----------|------------|------------|--------------|--------------|------------|----------------|---------------|------------------------|----------------|---------------|----------------|------------------------|--------------------------------|---------------|
| Inorganics | | | | | | | | | | | | | | | |
| <u>inorganics</u> | | | | | | | | | | | | | | | |
| Chromium(III), Insoluble Salts (not regulated | | | | | | | | | | | | | | | |
| substance) | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 200 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| Lead and Compounds | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 200 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| Nickel Soluble Salts | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 200 | 1.0E-06 | | 15 | | 4.63E+09 | 9.1E-01 | 6.19E+05 | inh only |
| Mercury (elemental) | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 200 | 1.0E-06 | | 15 | | 4.63E+09 | | | no tox values |
| Fluoride | 1.00E-05 | 15 | 70 | 365 | 350 | 6 | 200 | 1.0E-06 | | 16 | - | 4.63E+09 | | 1 | no tox values |

Type 2 Soil Screening Level for Migration to Groundwater

| | Cw | 1 | | | | | | | | | | |
|---|-------------|------------|----------|--------|-------|----------|--------------|---------------|--------|--------|------------|----------------|
| | Type 1 or 2 | | | | | Ow** | | | | | | Soil Screening |
| | GW Criteria | DAF | Kd* | Koc | foc | (Lwater/ | Oa | n | Pb** | Ps** | H' | Level |
| Constituents | (mg/L) | (unitless) | (L/kg) | (L/kg) | (g/g) | Lsoil) | (Lair/Lsoil) | (Lpore/Lsoil) | (kg/L) | (kg/L) | (unitless) | (mg/kg) |
| | | | | | | | | | | | | |
| <u>Inorganics</u> | | | | | | | | | | | | |
| Chromium(III), Insoluble Salts (not regulated | | | | | | | | | | | | |
| substance) | 23.5 | 20 | 1.80E+06 | | 0.002 | 0.3 | 0.134 | 0.434 | 1.5 | 2.65 | | (a) |
| Lead and Compounds | 0.015 | 20 | 9.00E+02 | | 0.002 | 0.3 | 0.134 | 0.434 | 1.5 | 2.65 | | 270 |
| Nickel Soluble Salts | 0.313 | 20 | 6.50E+01 | | 0.002 | 0.3 | 0.134 | 0.434 | 1.5 | 2.65 | | 409 |
| Mercury (elemental) | 0.002 | 20 | 5.20E+01 | | 0.002 | 0.3 | 0.134 | 0.434 | 1.5 | 2.65 | | 2.09 |
| Fluoride | 4.00 | 20 | 1.50E+02 | | 0.002 | 0.3 | 0.134 | 0.434 | 1.5 | 2.65 | | 12023 |

Notes:

Physical/chemical parameters obtained from U.S. EPA Mid-Atlantic Risk Assessment Regional Screening Tables (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm) except as noted below.

** Values for Ow, Pb, and Ps obtained from Appendix B (Equation 13) of Supplemental Guidance for Developing Sol Screening Levels for Superfund Sites (EPA, 2002)

(a) Chemical-specific properties are such that this pathway is not of concern at any soil contaminant concentration

Soil screening level = Cw [Kd + (Ow + Oa*H')/Pb]

Cw = target soil leachate concentration (mg/L)

Cw = groundwater critieria * dilultion attenuation factor (DAF)

Kd = soil-water partition coefficient (L/kg) = Koc x foc

Koc=soil organic carbon-water partition coefficient (L/kg)

foc = fraction organic carbon-water partition coefficient (g/g)

Ow = water-filled soil porosity (Lwater/Lsoil)

Oa = air-filled soil porosity (Lair/Lsoil) = n-Ow

n = soil porosity (Lpore/Lsoil) = 1-(Pb/Ps)

Pb = dry soil bulk density (kg/L)

Ps = soil particle density (kg/L)

H' = dimensionless Henry's Law Constant

Type 3 Risk Reduction Standards for Soil [Rule 391-3-19-.07(8)(d)]

| | | Item 1 (i) | Item 1 (ii) | Type 3 RRS | Item 2 | Item 3 | Type 3 RRS |
|----------------------|---------------|---------------|----------------|--------------|------------------|--------------|-------------|
| | Appendix III | Appendix I | Type 1 GW | (subsurface) | RAGS (Equ 7) | RAGS (Equ 6) | (surficial) |
| Constituents (mg/kg) | Table 2 Value | Concentration | Criteria x 100 | (mg/kg) | Non-Carcinogenic | Carcinogenic | (mg/kg) |
| | | | | | | | |
| <u>Inorganics</u> | | | | | | | |
| Mercury (elemental) | 0.500 | 17.0 | 0.200 | 17.0 | 2.03E+06 | | 17.0 |

Type 3 Non-Carcinogenic Evaluation for Soil; Non-Residential Adult (RAGS Equ. 7)

| Constituents | THI | BW (kg) | | CF (d/yr) | EF (d/yr) | ED (yr) | IR s (mg/d) | CF (kg/mg) | Oral RfD (mg/kg-d) | IR a (m3/d) | VF (m3/kg) | PEF (m3/kg) | Inh. RfD (mg/kg-d) | Type 3 Soil Std. (mg/kg) | Remarks |
|---------------------|-----|------------|----|--------------|--------------|------------|----------------|---------------|-----------------------|----------------|---------------|----------------|-----------------------|--------------------------------|----------|
| | | | | | | | | | | | | | | | |
| <u>Inorganics</u> | | | | | | | | | | | | | | | |
| Mercury (elemental) | 1 | 70 | 25 | 365 | 250 | 25 | 50 | 1.0E-06 | | 20 | | 4.63E+09 | 8.6E-05 | 2.03E+06 | inh only |

Type 3 Carcinogenic Evaluation for Soil; Non-Residential Adult (RAGS Equ. 6)

| | TR | BW | АТ | CF | EF | ED | IR s | CF | Oral SF | IR a | VF | PEF | Inh. SF | Type 3 Soil Std. | Remarks |
|---------------------|----------|------|------|--------|--------|------|--------|---------|-------------|--------|---------|----------|-------------|---------------------|---------------|
| Constituents | | (kg) | (yr) | (d/yr) | (d/yr) | (yr) | (mg/d) | (kg/mg) | (mg/kg-d)-1 | (m3/d) | (m3/kg) | (m3/kg) | (mg/kg-d)-1 | (mg/kg) | |
| | | | | | | | | | | | | | | | |
| <u>Inorganics</u> | | | | | | | | | | | | | | | |
| Mercury (elemental) | 1.00E-05 | 70 | 70 | 365 | 250 | 25 | 50 | 1.0E-06 | | 20 | | 4.63E+09 | | | no tox values |

Calculation of the Volatilization Factor

| Parameter | Default Value |
|---|---------------|
| LS, Length of side of contaminated area (m) | 45 |
| V, Wind speed in mixing zone (m/s) | 2.25 |
| DH, Diffusion height, m | 2 |
| A, Area of contamination (sq. m) | 2030 |
| A, Area of contamination (sq. cm) | 2.03E+07 |
| E, True soil porosity (unitless) | 0.35 |
| ps, true soil density, g/cc | 2.65 |
| T, exposure interval, s | 7.90E+08 |
| G, fraction of vegetative cover (unitless) | 0 |
| OC, Soil organic carbon content (fraction) | 0.02 |

| Constituent | Molecular Wt. (g/mol) | Diffusivity (cm²/s) | Henry's Law constant (atm-m³/mol) | Kd | Koc (cm³/g) | Dei (cm²/s) | Kas (g/cm³) | alpha (cm²/s) | VF (m³/kg) |
|-----------------------|--------------------------|------------------------|---|-----|----------------|----------------|----------------|------------------|---------------|
| VOCs | | | | | | | | | |
| Acetone | 58.08 | 1.15E-05 | 3.50E-05 | 0.0 | 2.364 | 8.13E-06 | 3.04E-02 | 4.98E-08 | 6.42E+05 |
| Toluene | 92.14 | 9.20E-06 | 6.64E-03 | 4.7 | 233.9 | 6.51E-06 | 5.82E-02 | 7.61E-08 | 5.17E+05 |
| Trichloroethene (TCE) | 131.39 | 1.02E-05 | 9.85E-03 | 1.2 | 60.7 | 7.21E-06 | 3.33E-01 | 4.57E-07 | 2.00E+05 |

Default parameters are from Appendix III, Table 3 of the HSRA regulations.

Physical/chemical parameters obtained from U.S. EPA Mid-Atlantic Risk Assessment Regional Screening Tables (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm) unless otherwise noted..



ATTACHMENT E

ENVIRONMENTAL COVENANT

After Recording Return to:

Georgia Environmental Protection Division Response and Remediation Program 2 Martin Luther King, Jr. Drive, SE Suite 1462 East Atlanta, Georgia 30334

Environmental Covenant

This instrument is an Environmental Covenant executed pursuant to the Georgia Uniform Environmental Covenants Act, OCGA § 44-16-1, et seq. This Environmental Covenant subjects the Property identified below to the activity and/or use limitations specified in this document. The effective date of this Environmental Covenant shall be the date upon which the fully executed Environmental Covenant has been recorded in accordance with OCGA § 44-16-8(a).

Fee Owner of Property/Grantor:

BTR Properties, LLC

3003 Springs Industrial Drive Powder Springs, GA 30127-3858

Grantee/Entity with

express power to enforce:

State of Georgia

Department of Natural Resources Environmental Protection Division 2 Martin Luther King Jr. Drive, SE

Suite 1152 East Tower Atlanta, GA 30334

Property:

The property subject to this Environmental Covenant is the BoMetals, Inc. property (hereinafter "Property"), located on 141 Hammond Street in Carrollton, Carroll County, Georgia. The Property is located in Land Lots 130, 131, 158 & 159 of the 10th District of Carroll County, Georgia. The Property contains approximately 36.25 acres. A complete legal description of the area is attached as **Exhibit A**.

Tax Parcel Number(s):

C02 0430003 of Carroll County, Georgia

Name and Location of Administrative Records:

The corrective action at the Property that is the subject of this Environmental Covenant is described in the following document:

• Voluntary Investigation and Remediation Plan, prepared by Peachtree Environmental for BTR Properties, LLC., dated December 2016.

This document is available at the following locations:

Georgia Environmental Protection Division

Response and Remediation Program 2 MLK Jr. Drive, SE, Suite 1462 East Tower Atlanta, GA 30334 M-F 8:00 AM to 4:30 PM excluding state holidays

Description of Contamination and Corrective Action:

This Property has been listed on the state's hazardous site inventory and has been designated as needing corrective action due to the presence of hazardous wastes, hazardous constituents, or hazardous substances regulated under state law. Contact the property owner or the Georgia Environmental Protection Division for further information concerning this Property. This notice is provided in compliance with the Georgia Hazardous Site Response Act.

This Declaration of Covenant is made pursuant to the Georgia Uniform Environmental Covenants Act, O.C.G.A. § 44-16-1 et seq. by BTR Properties, LLC ("BTR Properties"), its successors and assigns, and the State of Georgia, Department of Natural Resources, Environmental Protection Division (hereinafter "EPD"), its successors and assigns. This Environmental Covenant is required because a release of nickel, flouride, trichloroethene, nitrate and nitrite occurred on the Property. These substances are "regulated substances" as defined under the Georgia Hazardous Site Response Act, O.C.G.A. § 12-8-90 et seq., and the rules promulgated thereunder (hereinafter "HSRA" and "Rules", respectively). The Corrective Action consists of institutional controls to restrict the use of groundwater to protect human health and the environment.

Grantor, BTR Properties, LLC (hereinafter "BTR"), hereby binds Grantor, its successors and assigns to the activity and use restriction(s) for the Property identified herein and grants such other rights under this Environmental Covenant in favor of the EPD. EPD shall have full right of enforcement of the rights conveyed under this Environmental Covenant pursuant to HSRA, O.C.G.A. § 12-8-90 et seq., and the rules promulgated thereunder. Failure to timely enforce compliance with this Environmental Covenant or the use or activity limitations contained herein by any person shall not bar subsequent enforcement by such person and shall not be deemed a waiver of the person's right to take action to enforce any non-compliance. Nothing in this Environmental Covenant shall restrict EPD from excising any authority under applicable law.

BTR makes the following declaration as to limitations, restrictions, and uses to which the Property may be put and specifies that such declarations shall constitute covenants to run with the land, pursuant to O.C.G.A. § 44-16-5(a); is perpetual, unless modified or terminated pursuant to the terms of this Covenant pursuant to O.C.G.A. § 44-16-9; and shall be binding on all parties and all persons claiming under them, including all current and future owners of any portion of or interest in the Property (hereinafter "Owner"). Should a transfer or sale of the Property occur before such time as this Environmental Covenant has been amended or revoked then said Environmental Covenant shall be binding on the transferee(s) or purchaser(s).

The Environmental Covenant shall inure to the benefit of EPD, BTR, and their respective successors and assigns and shall be enforceable by the Director or his agents or assigns, BTR, or its successors and assigns, and other party(ies) as provided for in O.C.G.A. § 44-16-11 in a court of competent jurisdiction.

Activity and/or Use Limitation(s)

- 1. <u>Registry.</u> Pursuant to O.C.G.A. § 44-16-12, this Environmental Covenant and any amendment or termination thereof, may be contained in EPD's registry for environmental covenants.
- 2. <u>Notice of Limitation in Future Conveyances.</u> The Owner of the Property must give thirty (30) day advance written notice to EPD of the Owner's intent to convey any interest in the Property. Each instrument hereafter conveying an interest in the Property subject to this Environmental Covenant shall contain a notice of the activity and use limitations set forth in this Environmental Covenant and shall provide the recorded location of the Environmental Covenant.
- 3. <u>Groundwater Limitation.</u> The use or extraction of groundwater beneath the Property for drinking water or for any other non-remedial purposes shall be prohibited.
- 4. <u>Right of Access.</u> In addition to any rights already possessed by EPD, the Owner shall allow authorized representatives of EPD the right to enter the Property at reasonable times for the purpose of evaluating the Corrective Action; to take samples, to inspect the Corrective Action conducted at the Property, to determine compliance with this Environmental Covenant, and to inspect records that are related to the Corrective Action.
- 5. Recording of Environmental Covenant and Proof of Notification. Within thirty (30) days after the date of the Director's signature, the Owner shall file this Environmental Covenant with the Recorders of Deeds for each County in which the Property is located, and send a file stamped copy of this Environmental Covenant to EPD within thirty (30) days of recording. Within that time period, the Owner shall also send a file-stamped copy to each of the following: (1) BTR, (2) each person holding a recorded interest in the Property subject to the covenant, (3) each person in possession of the real property subject to the covenant, (4) each municipality, county, consolidated government, or other unit of local government in which real property subject to the covenant is located, and (5) each owner in fee simple whose property abuts the property subject to the Environmental Covenant.
- 6. Termination or Modification. The Environmental Covenant shall remain in full force and effect in accordance with O.C.G.A. § 44-5-60, unless and until the Director determines that the Property is in compliance with the Type 1, 2, 3, or 4 Risk Reduction Standards, as defined in Georgia Rules of Hazardous Site Response (Rules) Section 391-3-19-.07 and removes the Property from the Hazardous Site Inventory, whereupon the Environmental Covenant may be amended or revoked in accordance with Section 391-3-19-08(7) of the Rules and O.C.G.A. § 44-16-1 et seq.
- 7. <u>Severability</u>. If any provision of this Environmental Covenant is found to be unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions shall not in any way be affected or impaired.
- 8. No Property Interest Created in EPD. This Environmental Covenant does not in any way create any interest by EPD in the Property that is subject to the Environmental Covenant. Furthermore, the act of approving this Environmental Covenant does not in any way create any interest by EPD in the Property in accordance with O.C.G.A. § 44-16-3(b).

Representations and Warranties.

Grantor hereby represents and warrants to the other signatories hereto:

- a) That the Grantor has the power and authority to enter into this Environmental Covenant, to grant the rights and interests herein provided and to carry out all obligations hereunder;
- b) That the Grantor has identified all other parties that hold any interest (e.g., encumbrance) in the Property and notified such parties of the Grantor's intention to enter into this Environmental Covenant;

- c) That this Environmental Covenant will not materially violate, contravene, or constitute a material default under any other agreement, document or instrument to which Grantor is a party, by which Grantor may be bound or affected;
- d) That the Grantor has served each of the people or entities referenced in Activity 6 above with an identical copy of this Environmental Covenant in accordance with O.C.G.A. § 44-16-4(d).
- e) That this Environmental Covenant will not materially violate or contravene any zoning law or other law regulating use of the Property; and
- f) That this Environmental Covenant does not authorize a use of the Property that is otherwise prohibited by a recorded instrument that has priority over the Environmental Covenant.

Notices.

Any document or communication required to be sent pursuant to the terms of this Environmental Covenant shall be sent to the following persons:

Georgia Environmental Protection Division Branch Chief Land Protection Branch 2 Martin Luther King Jr. Drive SE Suite 1154 East Tower Atlanta, GA 30334

Todd Rambo BoMetals, Inc. 141 Hammond Street Carrollton, GA 30117

| Grantor has caused this Environmental C Environmental Covenants Act, on the | | | o The | Georgia | Uniforn |
|---|--------|--|-------|---------|---------|
| BTR Properties, LLC | | | | e2 | |
| T. 11 D. 1 | | | | | |
| Todd Rambo Member | | | | | |
| Dated: | | | | | |
| | | | | | |
| STATE OF GEORGIA ENVIRONMENTAL PROTECTION DI | VISION | | | | |

[Name of Person Acknowledging Receipt]

| [Title] | | |
|---------|--|--|
| Dated: | | |

[CORPORATE ACKNOWLEDGMENT]

STATE OF GEORGIA COUNTY OF CARROLL

| On this day of, 20, I certify that person appeared before me, acknowledged that he/she is the of the corp that executed the within and foregoing instrument, and signed said instrument by free and volun and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that was authorized to execute said instrument for said corporation. | |
|---|----------|
| that executed the within and foregoing instrument, and signed said instrument by free and volunt and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that | ally |
| and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that | oration |
| and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that | tary act |
| was authorized to execute said instrument for said corporation. | he/she |
| | |
| | |
| | |
| Notary Public in and for the State of | |
| Georgia, residing at | |
| My appointment expires | |

Exhibit A Legal Description

After Recording Return to:

Georgia Environmental Protection Division Response and Remediation Program 2 Martin Luther King, Jr. Drive, SE Suite 1462 East Atlanta, Georgia 30334

Environmental Covenant

This instrument is an Environmental Covenant executed pursuant to the Georgia Uniform Environmental Covenants Act, OCGA § 44-16-1, et seq. This Environmental Covenant subjects the Property identified below to the activity and/or use limitations specified in this document. The effective date of this Environmental Covenant shall be the date upon which the fully executed Environmental Covenant has been recorded in accordance with OCGA § 44-16-8(a).

Fee Owner of Property/Grantor:

Lawrence Properties, Inc.

1065 Alabama Street, Suite 36D

Carrollton, GA 30117

Grantee/Entity with

express power to enforce:

State of Georgia

Department of Natural Resources

Environmental Protection Division 2 Martin Luther King Jr. Drive, SE

Suite 1152 East Tower Atlanta, GA 30334

Property:

The property subject to this Environmental Covenant is the Lawrence Properties, Inc. property (hereinafter "Property"), located on 1065 Alabama Street, Carrollton, Carroll County, Georgia. The Property is located in Land Lot 131 of the 10th District of Carroll County, Georgia. The Property contains approximately 20 acres. A complete legal description of the area is attached as **Exhibit A**.

Tax Parcel Number(s):

C02 0430015 of Carroll County, Georgia

Name and Location of Administrative Records:

The corrective action at the Property that is the subject of this Environmental Covenant is described in the following document:

• Voluntary Investigation and Remediation Plan, prepared by Peachtree Environmental for BTR Properties, LLC., dated December 2016.

This document is available at the following locations:

Georgia Environmental Protection Division

Response and Remediation Program 2 MLK Jr. Drive, SE, Suite 1462 East Tower Atlanta, GA 30334 M-F 8:00 AM to 4:30 PM excluding state holidays

Description of Contamination and Corrective Action:

This Property has been listed on the state's hazardous site inventory and has been designated as needing corrective action due to the presence of hazardous wastes, hazardous constituents, or hazardous substances regulated under state law. Contact the property owner or the Georgia Environmental Protection Division for further information concerning this Property. This notice is provided in compliance with the Georgia Hazardous Site Response Act.

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Grantor, Lawrence Properties, Inc. (hereinafter "Lawrence"), hereby binds Grantor, its successors and assigns to the activity and use restriction(s) for the Property identified herein and grants such other rights under this Environmental Covenant in favor of the EPD. EPD shall have full right of enforcement of the rights conveyed under this Environmental Covenant pursuant to HSRA, O.C.G.A. § 12-8-90 et seq., and the rules promulgated thereunder. Failure to timely enforce compliance with this Environmental Covenant or the use or activity limitations contained herein by any person shall not bar subsequent enforcement by such person and shall not be deemed a waiver of the person's right to take action to enforce any non-compliance. Nothing in this Environmental Covenant shall restrict EPD from excising any authority under applicable law.

Lawrence makes the following declaration as to limitations, restrictions, and uses to which the Property may be put and specifies that such declarations shall constitute covenants to run with the land, pursuant to O.C.G.A. § 44-16-5(a); is perpetual, unless modified or terminated pursuant to the terms of this Covenant pursuant to O.C.G.A. § 44-16-9; and shall be binding on all parties and all persons claiming under them, including all current and future owners of any portion of or interest in the Property (hereinafter "Owner"). Should a transfer or sale of the Property occur before such time as this Environmental Covenant has been amended or revoked then said Environmental Covenant shall be binding on the transferee(s) or purchaser(s).

The Environmental Covenant shall inure to the benefit of EPD, Lawrence, and their respective successors and assigns and shall be enforceable by the Director or his agents or assigns, Lawrence, or its successors and assigns, and other party(ies) as provided for in O.C.G.A. § 44-16-11 in a court of competent jurisdiction.

Activity and/or Use Limitation(s)

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Representations and Warranties.

Grantor hereby represents and warrants to the other signatories hereto:

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- b) That the Grantor has identified all other parties that hold any interest (e.g., encumbrance) in the Property and notified such parties of the Grantor's intention to enter into this Environmental Covenant;
- c) That this Environmental Covenant will not materially violate, contravene, or constitute a material default under any other agreement, document or instrument to which Grantor is a party, by which Grantor may be bound or affected;
- d) That the Grantor has served each of the people or entities referenced in Activity 6 above with an identical copy of this Environmental Covenant in accordance with O.C.G.A. § 44-16-4(d).
- e) That this Environmental Covenant will not materially violate or contravene any zoning law or other law regulating use of the Property; and
- f) That this Environmental Covenant does not authorize a use of the Property that is otherwise prohibited by a recorded instrument that has priority over the Environmental Covenant.

Notices.

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Georgia Environmental Protection Division Branch Chief Land Protection Branch 2 Martin Luther King Jr. Drive SE Suite 1154 East Tower Atlanta, GA 30334

Lawrence Properties, Inc. 1065 Alabama Street, Suite 36D Carrollton, GA 30117

| Carrollton, GA 30117 | |
|---|------|
| Grantor has caused this Environmental Covenant to be executed pursuant to The Georgia Unit Environmental Covenants Act, on the day of, 20 | form |
| Lawrence Properties, Inc. | |
| Title: | |
| Dated: | |
| STATE OF GEORGIA ENVIRONMENTAL PROTECTION DIVISION | |
| [Name of Person Acknowledging Receipt] [Title] | |

| 222 | | | |
|--------|------|------|--|
| Dated: | | | |
| Dated. | | | |
| ~ | | | |

[CORPORATE ACKNOWLEDGMENT]

STATE OF GEORGIA COUNTY OF CARROLL

| On this | , 20, I certify that | |
|---------------------|--|--------------------------------------|
| appeared before me, | | of the corporation |
| | instrument, and signed said instrum | |
| - | es and purposes therein mentioned, a ent for said corporation. | and on oath stated that he/sh |
| | Notary Public in and fo | or the State of |
| | Georgia, residing at | |
| | My appointment expire | es . |

Exhibit A Legal Description