Himalayan Consultants, LLC
Engineers and Hydrogeologists

January 18, 2016

Mr. David Hanson, Environmental Program Associate
Wisconsin Department of Natural Resources
2300 N Dr. Martin Luther King Jr Drive
Milwaukee, WI 53212

Subject: Request for Technical Assistance - Contamination Management Plan
Saxony Village Development, Village of Germantown
Washington County, Wisconsin.

Dear Mr. Hanson:

On behalf of Heritage Place Joint Venture, Himalayan Consultants, LLC (Himalayan) is submitting Form 4400-237 to request your review of Post-Closure Modifications associated with the conditional closure of two ERP sites [CMC Heartland (BRRTS #0267000341) and Jacobus Oil Company (BRRTS #0267000801)]. The enclosed Contamination Management Plan describes contaminant management issues and proposed construction modifications associated with the Saxony Village Development Project.

The report provides information associated with the handling of contaminated soil and groundwater during the construction of Saxony Village and post-construction mitigation controls for impacted soil, groundwater, and vapor migration. The report was prepared in general accordance with Wisconsin Administrative Code Chapter NR 718.12(2) Soil Management Plan, NR 726.15(2) Vapor Intrusion, and Milwaukee Metropolitan Sewerage District wastewater discharge permitting.

Please review the attached plan and provide written comments and/or concurrence to Himalayan, at your earliest convenience.

Yours sincerely,

Thomas Dueppen

Thomas Dueppen, Senior Hydrogeologist
tdueppen@himalayanllc.com

c: Scott Bence, J.B.J. Companies

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 9/15)

Notice: Use this form to request **a written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

Definitions

"Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This from should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do not use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf"

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name	First	MI	Organization/ Business Name
Bence	Scott	J.	MCB Investments, LLC & Land15, LLC & Heritage Place

Mailing Address	City	State	ZIP Code
W178N9912 Rivercrest Drive, Suite 101	Germantown	WI	53022

Phone # (include area code)	Fax # (include area code)	Email
(262) 255-1800		scott@jbjcompanies.com

The requester listed above: (select all that apply)

- ☐ Is currently the owner
- ☐ Is considering selling the Property
- ☐ Is renting or leasing the Property
- ☐ Is considering acquiring the Property
- ☐ Is a lender with a mortgagee interest in the Property
- ☒ Other. Explain the status of the Property with respect to the applicant:

Applicant represents the three current property owners and primary contractor for Saxony Village.

Contact Information (to be contacted with questions about this request) ☐ Select if same as requester

Contact Last Name	First	MI	Organization/ Business Name
Dueppen	Thomas		Himalayan Consultants, LLC

Mailing Address	City	State	ZIP Code
W156N11357 Pilgrim Road	Germantown	WI	53022

Phone # (include area code)	Fax # (include area code)	Email
(262) 502-0066		tdueppen@himalayanllc.com

Section 2. Property Information

Property Name	FID No. (if known)
CMC Heartland & Jacobus Oil Company & Heritage Place Joint Ventures	267099800 & 267054920

BRRTS No. (if known)	Parcel Identification Number
02-67-000341 & 02-67-000801	GTNV_224025, GTNV_224027, and GTNV_224992

Street Address	City	State	ZIP Code
N116 16257 W MAIN ST & N116 W16261 MAIN ST	Germantown	WI	53022

County	Municipality where the Property is located	Property is composed of:	Property Size Acres
Washington	○ City ○ Town ◉ Village of	○ Single tax parcel ◉ Multiple tax parcels	24

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

○ No ◉ Yes

Date requested by: 02/29/2016

Reason: Construction work scheduled to begin in Spring 2016

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

◉ No. **Include the fee that is required for your request in Section 3, 4 or 5.**

◯ Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:
Section 3. Technical Assistance or Post-Closure Modifications;
Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [**Numbers in brackets are for WI DNR Use]**

☐ No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of $350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.

☐ Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of $700.**

☐ Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of $1050.**

☐ Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of $1050.**

☐ Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of $1050.**

☐ Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of $1050.**

☐ Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of $350**

☐ Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of $425.**

☐ Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of $425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

☐ Schedule a Technical Assistance Meeting - **Include a fee of $700.**

☐ Hazardous Waste Determination - **Include a fee of $700.**

☐ Other Technical Assistance - **Include a fee of $700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

☒ Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of $1050, and:**

☒ Include a fee of $300 for sites with residual soil contamination; and

☒ Include a fee of $350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.

Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. **[Numbers in brackets are for DNR Use]**

☐ "Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of $700.**

Provide the following documentation:

(1) ownership status of the real Property, and/or the personal Property and fixtures;

(2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;

(3) the date the environmental assessment was conducted by the lender;

(4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.

(5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.

(6) a copy of the Property deed with the correct legal description; and,

(7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).

(8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292. 21(1)(c)2.,h.-i., Wis. Stats.:

h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.

i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

☐ "Representative" liability exemption clarification (e.g. trustees, receivers, etc.) - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of $700.**

Provide the following documentation:

(1) ownership status of the Property;

(2) the date of Property acquisition by the representative;

(3) the means by which the Property was acquired;

(4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;

(5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and

(6) a copy of the Property deed with the correct legal description.

☐ Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

☐ hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];

☐ Perceived environmental contamination - [649];

☐ hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or

☐ solid waste - s. 292.23 (2), Wis. Stats. [649].

❖ **Include a fee of $700, a summary of the environmental liability clarification being requested, and the following:**

(1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).

(2) current and proposed ownership status of the Property;

(3) date and means by which the Property was acquired by the LGU, where applicable;

(4) a map and the ¼, ¼ section location of the Property;

(5) summary of current uses of the Property;

(6) intended or potential use(s) of the Property;

(7) descriptions of other investigations that have taken place on the Property; and

(8) (for solid waste clarifications) a summary of the license history of the facility.

Section 4. Request for Liability Clarification (cont.)

☐ Lease liability clarification - s. 292.55, Wis. Stats. [646]

- ❖ **Include a fee of $700 for a single Property, or $1400 for multiple Properties and the information listed below:**

(1) a copy of the proposed lease;

(2) the name of the current owner of the Property and the person who will lease the Property;

(3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;

(4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;

(5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and

(6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

General or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below.

- ❖ **Include a fee of $700 and an adequate summary of relevant environmental work to date.**

☐ No Action Required (NAR) - NR 716.05, [682]

- ❖ **Include a fee of $700.**

Use where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

☐ Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

- ❖ **Include a fee of $700.**

- Include a copy of any closure documents if a state agency other than DNR approved the closure.

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

Refer to the Cover Letter and Contamination Management Plan included with this form, for specific information regarding the post-closure modifications considered for these sites.

Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/lgu.html#tabx4.

☐ Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description; and,
(3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-105agrmt.pdf).

☐ Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description; and,
(3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-106agrmt.pdf).

☐ Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

- ❖ **Include a fee of $1400, and the information listed below:**

(1) a draft schedule for remediation; and,
(2) the name, mailing address, phone and email for each party to the agreement.

Section 6. Other Information Submitted

Identify all materials that are included with this request.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

☐ Phase I Environmental Site Assessment Report - Date: _____

☐ Phase II Environmental Site Assessment Report - Date: _____

☐ Legal Description of Property (required for all liability requests and specialized agreements)

☒ Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

☒ Groundwater ☒ Soil ☐ Sediment ☐ Other medium - Describe: _____

Date of Collection: 11/25/2015

☐ A copy of the closure letter and submittal materials

☐ Draft tax cancellation agreement

☐ Draft agreement for assignment of tax foreclosure judgment

☒ Other report(s) or information - Describe: Soil and Groundwater Contamination Management Plan

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

◯ Yes - Date (if known): _____
◯ No

Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at: dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.

Section 7. Certification by the Person who completed this form

☐ I am the person submitting this request (requester)

☒ I prepared this request for: Scott J. Bence
Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

Thomas Dueppen
Signature

1/18/2016
Date Signed

Senior Hydrogeologist
Title

262-502-0066
Telephone Number (include area code)

Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a DNR regional brownfields specialist with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.

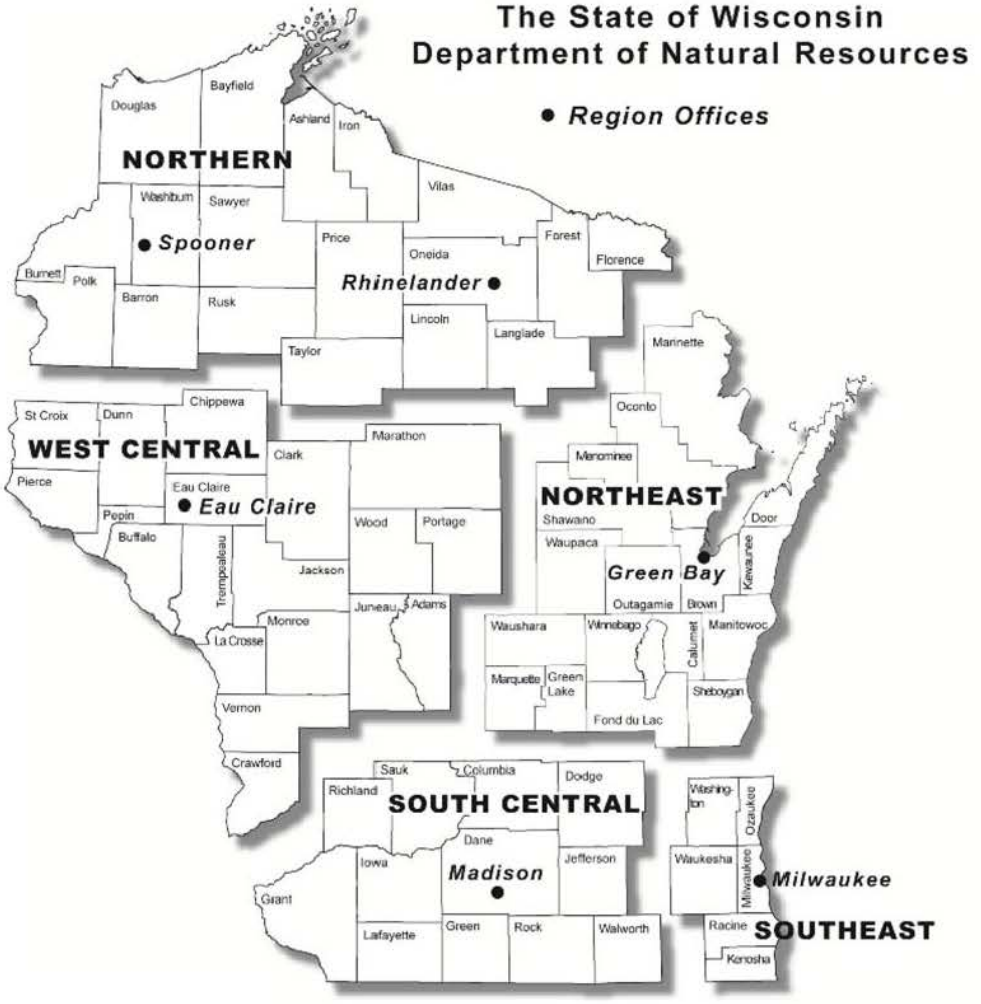
DNR NORTHERN REGION
Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTH CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212

DNR WEST CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer	Comments		
Fee Enclosed? ◯ Yes ◯ No	Fee Amount $	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		

CONTAMINATION MANAGEMENT PLAN

Saxony Village Development
Village of Germantown
Washington County, WI

Prepared for:

Heritage Place Joint Venture
W178N9912 Rivercrest Drive, Suite 101
Germantown, WI 53022

Prepared by:

Himalayan Consultants, LLC
W156 N11357 Pilgrim Road
Germantown, WI 53022
Phone: (262) 502-0066; Fax: (262) 502-0077

January 2016

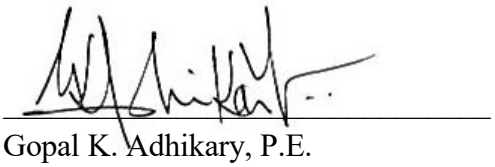
CONTAMINATION MANAGEMENT PLAN

Saxony Village Development
Village of Germantown
Washington County, WI

Prepared by:

Himalayan Consultants, LLC
W156 N11357 Pilgrim Road
Germantown, WI 53022

Thomas J. Dueppen, P.G.
Senior Hydrogeologist



Gopal K. Adhikary, P.E.
Principal/Senior Engineer

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

ACRONYMS, ABBREVIATIONS, AND SYMBOLS

ASTM	American Society for Testing and Materials
bgs	Below ground surface
BRRTS	Bureau of Remediation and Redevelopment Tracking System
BTEX	Benzene, toluene, ethylbenzene, xylenes
C/L	Centerline
Cd	Cadmium
Commerce	Wisconsin Department of Commerce
DF	Dilution Factor
DRO	Diesel range organics
EPA	Environmental Protection Agency
ES	Enforcement Standard
FDM	Facilities Development Manual
GRO	Gasoline range organics
HMA	Hazardous Materials Assessment
HMI	Hazardous Materials Investigation
ID	Inside Diameter
LT	Left
LUST	Leaking underground storage tank
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
PAL	Preventive action limit
Pb	Lead
PID	Photoionization detector
ppb	Parts per billion
ppm	Parts per million
PVC	Polyvinyl chloride
QA	Quality assurance
QC	Quality control
R/W	Right-of-way
RCL	Residual contaminant level
RCRA	Resource Conservation and Recovery Act
RT	Right
Sta	Station
TCLP	Toxicity Characteristic Leaching Procedure
USCS	United Soil Classification System
USDOT	United States Department of Transportation
UST	Underground storage tank
VOC	Volatile organic compound
WDNR	Wisconsin Department of Natural Resources
WisDOT	Wisconsin Department of Transportation
µg/kg	Microgram per kilogram
µg/L	Microgram per liter
~	Approximately
>	Greater than
<	Less than

1.0 INTRODUCTION

1.1 Project Background and Purpose

Himalayan Consultants, LLC (Himalayan) was contracted by Heritage Place Joint Venture (HPJV) to prepare this Contamination Management Plan to assist in the construction of Saxony Village Development and address post-closure modifications associated with the conditional closure of two Wisconsin Department of Natural Resources (WDNR) Environmental Repair Program (ERP) sites at the Saxony Village Development.

The Saxony Village Development is located in the Village of Germantown on the south side of Main Street, just south of the Wisconsin and Southern Railroad. The parcels are zoned RM-2 Multi-family and B-3 Commercial and will be comprised of six buildings, totaling one-hundred and seventy-two apartment units including, aboveground and underground parking, a clubhouse, pedestrian trails, municipal services, and on-site stormwater ponds (hereafter referred to as Saxony Village or the site). Figure 1 depicts the Saxony Village Development.

Based on investigation / remediation activities associated with two previous ERP sites, soil and groundwater contamination are anticipated to exist within the Saxony Village work zone. The contaminants of concern (COCs) are predominantly volatile organic compounds (VOCs).

The purpose of this Contamination Management Plan is to address the handling of contaminated soil and groundwater during the construction of Saxony Village and post-construction mitigation controls for impacted soil, groundwater, and vapor migration. The report was prepared in general accordance with Wisconsin Administrative Code (WAC) Chapter NR 718.12(2) Soil Management Plan, NR 726.15(2) Vapor Intrusion, and Milwaukee Metropolitan Sewerage District wastewater discharge permitting.

1.2 Involved Parties

The parties associated with the Saxony Village Development are:

- Property and Right-of-Way Owner:
  MCB Investments, LLC / Land15, LLC / Heritage Place Joint Venture
  W178N9912 Rivercrest Drive, Suite 101, Germantown, WI 53022
  Contact: Scott J. Bence, Agent
  (262) 255-1800

- Consultant:
  Himalayan Consultants, LLC
  W156 N11357 Pilgrim Road, Germantown, WI 53022
  Contact: Thomas J. Dueppen, Project Manager
  (262) 502-0066

- Primary Contractor:
  J.B.J. Companies, Inc.
  W178N9912 Rivercrest Drive, Suite 101, Germantown, WI 53022
  Contact: Scott J. Bence, V.P.
  (262) 255-1800

1.3 Site Location and Layout

Saxony Village is comprised of three parcels of land totaling approximately 23.8 acres of vacant land, farm fields, wetlands, floodplain (See Figure 1). The only structure currently present at Saxony Village is a sheet metal pole barn located in the northwest corner of the site. The parcels are zoned RM-2 Multi-family and B-3 Commercial and will be comprised of six buildings, totaling one-hundred and seventy-two apartment units including, aboveground and underground parking, a clubhouse, pedestrian trails, municipal services, and three on-site stormwater ponds (See Figure 2).

1.4 Regulatory Background

The northern portion of the planned development of Saxony Village includes two ERP sites: CMC Heartland (BRRTS #02-67-000341) and Jacobus Oil Company (BRRTS #02-67-000801). They have both been identified with residual soil / groundwater impacts associated with a former petroleum bulk storage facility and agrichemical storage facility and farm implement business that operated at the properties from the 1930s to late-1980s. All of the aboveground storage tanks (ASTs) and most structures were removed in the early-1990s. Site investigations were initially conducted by several environmental consulting firms in the 1990s, and investigation / remediation activities were performed at both ERP sites between 2003 and 2011. According to reports submitted to the WDNR, over 13,300 tons of impacted soil has been removed from both ERP sites. Soil and groundwater impacts remain on-site and both ERP activities were granted conditional closure by the WDNR on October 2010 and March 2013, respectively. Continuing obligations at both sites include soil and groundwater use restrictions and vapor migration assessment, if new building construction is planned.

1.5 Summary of Subsurface Conditions

Based on historical subsurface investigations and remediation activities at both ERP sites, soils in the northern portion of the planned development of Saxony Village generally consist of up to five feet of variable fill materials that is usually fine-grained and often covered by a layer of gravel. Native soils below the fill are glacial deposits consisting of sand, sandy silt, silt, and occasional gravel seams to approximately 35 feet bgs. The presence of dolomite bedrock was not confirmed, but was assumed to be at a depth of 40 feet or greater. Groundwater depths at both sites vary considerably. Water level measurements over a period of 15 years indicate that ground water depths can fluctuate from 1 to 2 feet bgs to greater than 8 to 10 feet bgs. Groundwater flow directions have also varied over time. Due to the significant volume of impacted soil removed from the sites between 2003 and 2011 (13,300 tons = estimated 9,500 cubic yards) and the permeable material used to backfill the excavations (sand and gravel), groundwater currently appears to flow outward from the former excavation areas in all directions.

Himalayan's recent geotechnical borings in the central and southern portions of the planned development of Saxony Village indicate that the native subsurface conditions are similar throughout the entire project site, except groundwater flow direction is predominantly southward towards the drainage ditch and wetlands. Boring locations are denoted on Figure 3 and detailed soil descriptions are included on the soil boring logs provided in Appendix A.

Both ERP activities are located in the northern portion of the planned development of Saxony Village, and the contaminants from both sites are considered to be co-mingled at this time. Pre-remediation sampling identified pesticides (atrazine, alachlor, cyanazine) and nitrogen (nitrates and ammonia) at the CMC Heartland site, and Jacobus Oil Company site contained several petroleum VOCs that were present within limited areas of both sites at levels above and/or below the WDNR's Residual Contaminant Levels (RCLs) for protection of direct human contact and protective of groundwater quality. The estimated extent of PVOC impacts relative to the planned development of Saxony Village are denoted in Figures 4 and 5.

Himalayan's post-remediation sampling conducted in November 2015 confirms that several of these COCs remain in small areas throughout the northern portion of the site. The soil boring and monitoring well locations are denoted on Figure 3 and laboratory analytical data is summarized in Tables 1 and 2, and analytical laboratory reports are provided in Appendix B.

Two specific areas within the planned development of Saxony Village have been identified as Environmental Impact Areas, based on the presence or possible presence of impacted soils and/or groundwater (See Figure 6). Soil and groundwater impacts associated with these Impact Areas are most likely related to the former petroleum bulk storage activities on the Jacobus Oil Company

site. Starting at the north end of the Saxony Village project and proceeding to the south, the location and COCs in each Environmental Impact Area can generally be described as follows:

Impact Area 1: Main Street driveway entrance / parking lot / maintenance building:
Located in the vicinity of historic remedial 'hot spot' excavations that took place in September 2005 and December 2010, impacted soils were removed off-site and the excavation was backfilled with clean granular material. Subsequent soil confirmation samples and groundwater monitoring confirmed that petroleum VOC impacts remain greater than NR720 RCLs and NR140 ES.

Impact Area 2: Building 1 and 4:
Located south of historic remedial 'hot spot' excavations that took place in this area between July 2003 and June 2011. Subsequent groundwater monitoring confirmed that petroleum VOC impacts in the shallow groundwater remain greater than NR140 ES.

Construction activities planned for both Impact Areas (roadway, utility installation, building foundations) could displace impacted soils and excavations may intercept the water table. Therefore, management of impacted soil and groundwater during construction will be limited to only the northern portion of the planned development of Saxony Village.

2.0 CONTAMINATION MANAGEMENT PLAN

This Contamination Management Plan addresses two Environmental Impact Areas where contamination has been identified or is anticipated to be encountered during construction of the Saxony Village development.

Contractors working on the Saxony Village development will be notified of the proper management for soil and groundwater impacted or possibly impacted with COCs by inclusion of this Management Plan within the bidding specifications for the construction of the project. As such, the contractors will be required to abide by the WDNR approved version of the plan.

2.1 Soil and Fill Material Management

The Saxony Village development will involve the excavation of non-contaminated, possibly contaminated, and soil or fill with known contamination.

The handling of contaminated soil encountered during the excavation activities will follow management protocols specific to the contaminant concentrations reportedly, or possibly, present in the soil. The management protocols are categorized as follows:

Category A: Minor or No Known Impacts

Management Strategy: Recycle or Relocate to the southern portion of the Saxony Village development.

Materials that appear not to be impacted include the following:

- Pavement materials (concrete and asphalt). These materials will be recycled.

- Excavated backfill and soils from near surface or trenched areas that have very minor or no apparent COCs will be relocated to the southern portion of the Saxony Village development site for beneficial reuse.

Category B: Possibly Impacted or Soils Impacted at Less Than RCLs

Management Strategy: Stay In-place or Relocate Excavated Soils to the southern portion of the Saxony Village development.

Materials possibly impacted or impacted with COCs at levels below their respective RCLs include the following:

- Excavated soils from Environmental Impact Areas 1 and 2 that do not have direct analytical sample representation and are possibly impacted. This includes soils excavated for roadway / parking lot / utility installation and foundation wall footings. These soils will be relocated to the central portion of the Saxony Village development for beneficial reuse.

- Excavated soils from near surface areas (i.e. landscape, sidewalk, and park lot) and utility trench areas that have COCs at levels below RCLs will be relocated to the central portion of the Saxony Village development for beneficial reuse.

- Soils with impacts less than RCLs that are not excavated for specific construction activities will be left in-place. Most of these soils will be covered with clean top soil fill for landscaping or by impervious pavement (e.g. new concrete sidewalk, foundation pads, parking lot).

Category C: Soils Impacted at Levels above RCLs

Management Strategy: Dispose of Excavated Soils at an Approved Landfill and Cap In-place.

Materials impacted with COCs at levels above their respective RCLS include the following:

- Soils from near surface areas (i.e. landscape, sidewalk, and park lot) and utility trenches and foundation walls that have petroleum VOC concentrations exceeding direct contact and/or groundwater protection RCLs will be excavated to a minimum depth of 2 feet below finished grade and disposed of at an approved licensed Sub-Title D landfill as special waste.

- Soils with possible impacts exceeding direct contact and/or groundwater pathway RCLs left in-place at depths greater than 2 feet below finished grade will be capped with clean top soil fill for landscaping or by impervious pavement (new concrete sidewalk or new asphalt paved parking lot).

Specific details of the Environmental Impact Area locations, planned activities, maximum excavation depths, estimated soil volumes, and soil management categories are presented in Table 4. A Waste Profile Form is provided in Appendix C.

2.2 Groundwater Management

It is anticipated that a significant volume of groundwater will be encountered during utility trenching due to the presence of high-permeable native silt soils. In addition to groundwater, surface runoff storm water may collect in the utility trenches during rain events.

If groundwater or surface runoff storm water collects in a utility trench within Environmental Impact Area 1, the water will be considered possibly impacted with VOC compounds. The water will be collected and discharged to the local MIS sanitary sewer system for treatment.

The planned sanitary sewer trench extending between Impact Areas 1 and 2 has a maximum excavation depth of 18 feet bgs and the estimated water volume is 480,000 gallons per day. Additional details on this sanitary sewer installation are included in Section 2.5 and the MMSD NOI Form is provided in Appendix C.

2.3 Performance Standard Cover

The performance standard cover system for the Saxony Village Project is in general conformance with WDNR Publications (PUB-RR-528) Guidance on Soil Performance Standards (2014) and (PUB-RR-709) Guidance for Cover Systems as Soil Performance Standard Remedies (2013). Since the cover is partially located within a ROW, it is anticipated that a notice of contamination within a ROW sent to the ROW owner, the Village of Germantown Department of Public Works, will meet the requirements for a cap maintenance plan.

The proposed cover systems will act as a direct contact and infiltration barriers. The technical feasibility of the cover systems is appropriate based on the relatively small areas of soil contamination remaining after post development excavation and the lack of mobility of these residual impacts. The proposed cover system will be protective of human health, safety and welfare, and the environment over both short-term and long-term time periods.

The cover systems vary between the Environmental Impact Areas:

- Environmental Impact Area 1: The new cover system includes vegetation (grass, bushes, and trees), clean topsoil and fill soil, concrete (sidewalk), and asphalt pavement (entranceway road and parking lot).

  Soils within these Impact Areas will be disturbed to remove existing landscaping and trenching excavation to install utilities, sidewalk, and roadway pavement. Soils with RCL exceedances will be managed as Category C soils. As such, they will be removed to a minimum depth of two feet below finished grade and disposed of at an approved licensed Sub-Title D landfill as special waste.

- Environmental Impact Area 2: The new cover system includes vegetation (grass and trees), clean topsoil, concrete (sidewalk), and building foundations.

  Soils within these areas will only be disturbed to remove existing landscaping and sidewalk, and to install new building retaining wall footings. The soils will be re-covered with replacement landscaping concrete sidewalk, and building foundations.

  Historically, only limited soil samples were collected from within Impact Area 2. As a result, analytical results for soil samples collected from nearby borings or wells were relied upon to assess the potential for impact in this area. The borings/wells were located approximately 50 to 100 feet south of the Impact Area. Extrapolating the analytical data from these borings/wells to the Impact Area indicates a potential for VOC impacts. Therefore, soils within this Impact Area will be managed as Category B soils, where excavated soils will be relocated to the southern portion of the Saxony Village development site for beneficial reuse.

Groundwater impacts within these Environmental Impact Areas varies:

- Environmental Impact Area 1, had historical NR 140 ES and PAL exceedances for VOCs. These exceedances appear to be associated with former petroleum bulk storage activities. Himalayan's recent groundwater sampling from temporary monitoring wells installed at the site in November 2015, indicates that all three wells (EB-3, EB-4, and EB-5) had at least three VOC concentrations exceeding their respective ESs. The monitoring well locations are denoted on Figure 3 and laboratory analytical data is summarized in Table 2, and analytical laboratory reports are provided in Appendix B. It is anticipated that groundwater impacts are stable or receding since the petroleum storage activities have ceased, the ASTs have been closed and removed, and the 'hot spot' has been remediated.

  The proposed cover of vegetation, two feet of clean topsoil and fill, concrete sidewalk, and asphalt pavement on the parking lot and entranceway road, will provide a barrier for direct contact and minimize infiltration of rainwater.

  The construction of the new cover systems in concert with a notice of contamination within the ROW will be protective of human health, safety and welfare, and the environment over both short-term and long-term time periods

- Environmental Impact Area 2, based on historic well data, does not appear to have VOCs, pesticides (atrazine, alachlor, cyanazine) or nitrogen (nitrates) groundwater impacts above PAL levels. It is anticipated that groundwater impacts are stable or receding since the hot spot was removed.

2.4 Vapor Intrusion Assessment

According to WDNR's continuing obligations and closure conditions associated with both ERP activities, any land use changes at current or adjoining properties: MCB Investments, LLC Property (Tax Key # GTNV_224025), Land15, LLC Property (Tax Key #GTNV_224027), and the Heritage Place Joint Venture Property (Tax Key #GTNV_224992) may require the assessment of potential vapor intrusion for any new building construction.

The conditions necessary to determine if continuing obligations are needed for the Saxony Village Project are in general conformance with WDNR Publications (PUB-RR-5474) Vapor Intrusion Continuing Obligations Applied in DNR Closure Approvals (2015) and (PUB-RR-042) DNR Case Closure Continuing Obligations: Vapor Intrusion (2015). The results of Himalayan's recent investigation activities at the Saxony Village Project, in November 2015, indicate that residual impacts in the soil and groundwater still "trigger" continuing obligations for vapor intrusion (VI). The COC in soil was naphthalene (> 5 mg/kg) in EB-1 at 6 to 7.5 feet bgs and EB-4 at 1 to 5 feet

bgs. The COC in groundwater was benzene (>1 mg/l) in EB-4 and EB-5. The soil boring and monitoring well locations are denoted on Figure 3 and laboratory analytical data is summarized in Table 1 and 2, and analytical laboratory reports are provided in Appendix B.

The potential vapor intrusion for new construction at the Saxony Village Project will vary between the Impact Areas:

- Environmental Impact Area 1: Structures with vapor intrusion potential are the parking lot and maintenance building.

  This area has had historical soil and groundwater contamination that has exceeded direct contact and/or groundwater protection RCLs. These exceedances appear to be associated with former petroleum bulk storage activities. The latest round of soil and groundwater sampling conducted near the edges of the former 'hot spot' excavations, in November 2015, confirm that soil and groundwater impacts still exceed direct contact and/or groundwater protection RCLs.

  The soil boring / temporary well located near to the proposed maintenance building (EB-3) had no PVOC concentrations in the soil (3.5 to 7.5 feet bgs) exceeding direct contact RCLs or concentrations that would "trigger" continuing obligations for vapor intrusion. The groundwater at EB-3 had three PVOC concentrations exceeding their respective ESs, but no concentrations that would "trigger" continuing obligations for VI.

  The soil boring / temporary well located near to the proposed parking lot (EB-4) had PVOC concentrations in the soil and groundwater (1 to 5 feet bgs) exceeding direct contact RCLs and concentrations that would "trigger" continuing obligations for VI. Historic groundwater depth measurements from over 15 years of periodic monitoring also indicate that groundwater depths near the proposed parking lot range from less than 1 foot to greater than 10 feet bgs with an average of approximately 4.5 feet bgs. However, the planned parking lot elevation is 2 feet higher than the current grade and groundwater impacts are assumed to be stable or receding since the petroleum storage activities have ceased. Extrapolating the historic/current analytical data from borings/wells located around the former 'hot spot' excavations and the finished grade of the parking lot (constructed on 2 feet of additional fill material) indicates that the proposed parking lot should not pose a VI concern at this time.

- Environmental Impact Area 2: Structures with vapor intrusion potential are building foundations and underground parking structures at Buildings 1 and 4.

Historically, only limited soil and groundwater samples were collected from within Impact Area 2. As a result, analytical results for soil and groundwater samples collected from borings/wells located approximately 50 to 100 feet south of the Impact Area were relied upon to assess the potential for vapor intrusion in this area. Groundwater depth measurements from over 15 years of periodic monitoring events indicate that the groundwater table has varied significantly over time. Groundwater depths range from less than 1 foot to greater than 10 feet bgs with an average of approximately 5 feet bgs. Extrapolating the analytical data from these borings/wells to the Impact Area indicates a potential for vapor intrusion in the underground parking structures at Buildings 1 and 4. Therefore, an engineered barrier will be constructed near the Impact Area to limit the migration of contaminated water and vapor towards these buildings. For additional details on Vapor Migration Protection, refer to Section 2.5.

2.5 Vapor Migration Protection

Buried utilities entering and exiting the northern portion of Saxony Village development will be constructed with vapor migration protection to limit the movement of contaminated water and vapor through the granular backfill of the utility trenches.

In accordance with WDNR Publication (PUB-RR-685) Development at Historic Fill Sites and Licensed Landfills: Considerations and Potential Problems (2002), the proposed vapor migration barrier will be a low permeable backfill material (clay or clay/bentonite mix) added during construction of the sanitary sewer trench located between Environmental Impact Area 1 & 2. The planned sewer line depth is 17 to 18 feet bgs and a low permeable trench plug or 'clay plug' would be installed at manholes SAN MH1 and SAN MH3. These engineered barriers should also inhibit the southern migration of contaminated water and vapor from Environmental Impact Area 1 towards residential structures in the northern portion of Saxony Village development. In addition, the storm sewers and water utilities constructed within Environmental Impact Area 1 will also have clay plugs or concrete collars installed. The location of these planned utilities is denoted on Figure 7.

2.6 Post-Closure Modifications

The post-closure modifications currently being considered for the northern portion of Saxony Village development are the following:

- Combining properties
- Change in continuing obligations (i.e. use of covers and barriers)
- Change in institutional controls (i.e. deed restriction, notification letter, monitoring requirements)

These modifications will be prepared in general accordance with WAC Chapter NR 727 and 749 to facilitate Case Closure and Managing Continuing Obligations (PUB RR-606). Further details regarding post-closure modifications can be discussed and finalized, as part of the request for 'technical assistance' that is submitted with this report.

3.0 IMPLEMENTATION SCHEDULE

The Saxony Village Project development is anticipated to be constructed during the summer of 2016. The WDNR will be updated on the development schedule as contractor plans are finalized.

4.0 LIMITATIONS

Himalayan prepared this report for Heritage Place Joint Ventures to use as part of the management of contaminated materials generated during the construction of Saxony Village development. It was prepared in accordance with the currently accepted environmental and engineering practices. Because the evaluation is based upon subsurface physical and chemical data obtained from soil borings only at specific locations and times and only to the depths sampled, additional unidentified environmental impacts may be present at or adjacent to the site that could not be identified within the scope of the former investigation/remediation activities or that were not apparent at the time of report preparation.

The management plans contained in this report represent our professional opinions based on the project construction information available at the time of this report. This report is based, in part, on unverified information supplied to Himalayan from several sources during the project research; therefore, Himalayan does not guarantee its completeness or accuracy. No warranty or guarantee is expressed or implied regarding the findings of this investigation.

This report has been prepared for the exclusive use of Heritage Place Joint Ventures for specific application to the project as described in the report. No warranty, expressed or implied, is made. There are no beneficiaries of this report other than Heritage Place Joint Ventures, and no other person or entity is entitled to rely upon this report without the written consent of Himalayan and a written agreement limiting Himalayan's liability.

Himalayan is not responsible for any claims, damages, or liabilities associated with the interpretation of these findings or reuse of the analysis, associated site data, or recommendations without the express written authorization of Himalayan.

Limitations of this assessment may not be altered or waived without written consent of Himalayan. This is a technical report and is not a legal representation or interpretation of environmental laws, rules, regulations, or policies of local, state, or federal governmental agencies.

No investigation is thorough enough to exclude the presence of hazardous substances at a given site. If hazardous substances or hazardous conditions have not been identified during the assessment, such a finding should not therefore be construed as a guarantee of the absence of such substances or conditions, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

5.0 REFERENCES

1. AECOM, Inc. (April 2009). Remedial Action Documentation and Groundwater Investigation Report, The CMC Heartland Partners Liquidating Trust, Former Germantown Feed & Supply, Germantown, WI.

2. Wisconsin Department of Natural Resources – GIS Registry. (October 2010). Final Case Closure with Land Use Limitations or Conditions, Former Germantown Feed and Supply, N116 W16757 Main Street, Germantown, WI. (BRRTS #0267000341)

3. SIGMA Group. (February 2011). Remedial Soil Excavation Documentation Letter Report, Former Jacobus Bulk Storage Facility, N116 W16261 Main Street, Germantown, WI.

4. Wisconsin Department of Natural Resources – GIS Registry. (March 2013). Final Case Closure with Continuing Obligations, Jacobus Oil Company, N116 W16261 Main Street, Germantown, WI. (BRRTS #0267000801)

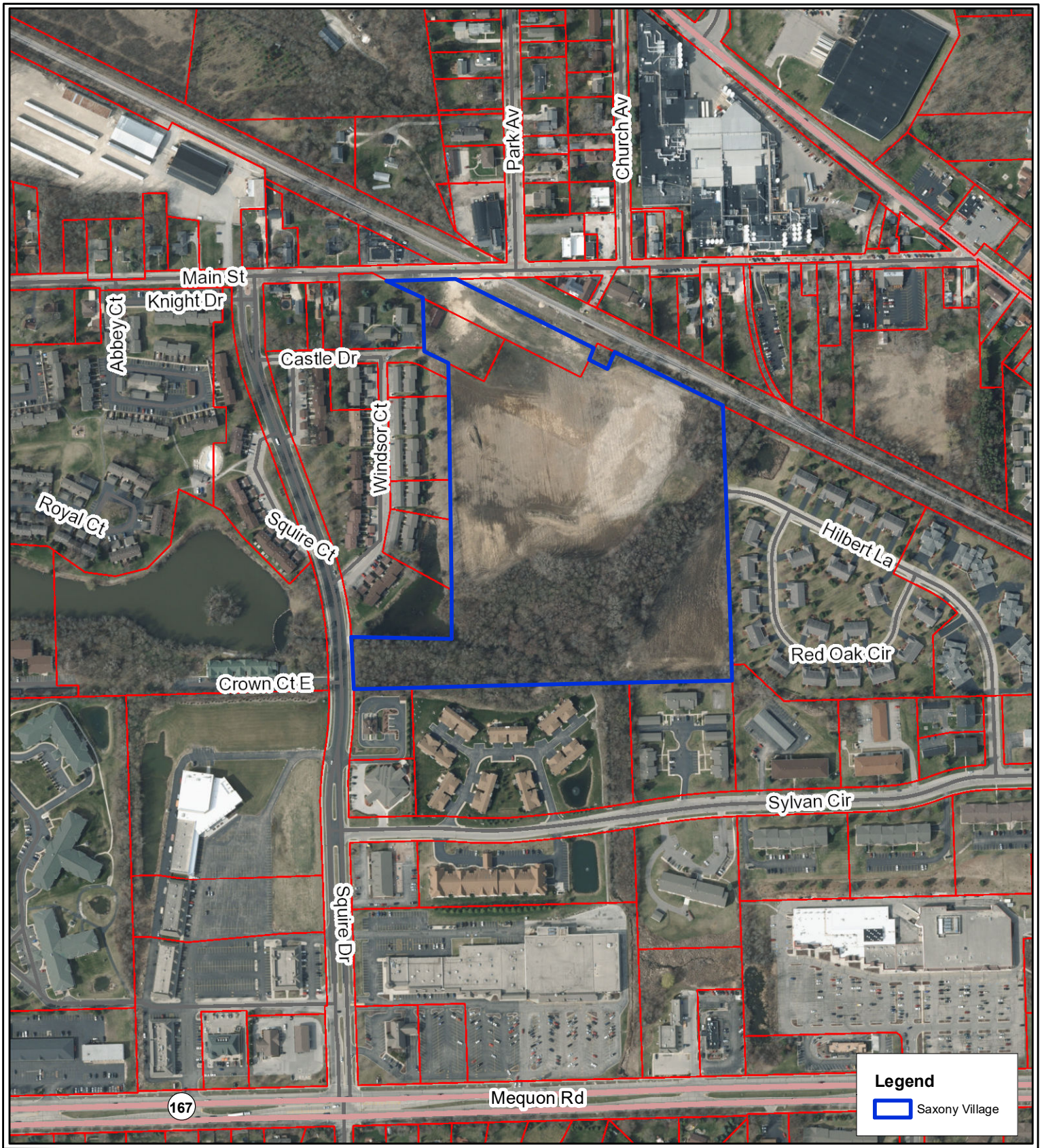
APPENDICES

Appendix A Soil Boring Logs

Appendix B Soil/Groundwater Laboratory Reports

Appendix C Waste Profile Form / MMSD NOI Form

FIGURES



Source: ArcGIS Online, Washington County GIS

Scale: 0 250 500 1,000 Feet

Figure 1: Site Location Map

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JBJ-Job#1015
Saxony Village Development Project
Village of Germantown
Washington County, Wisconsin

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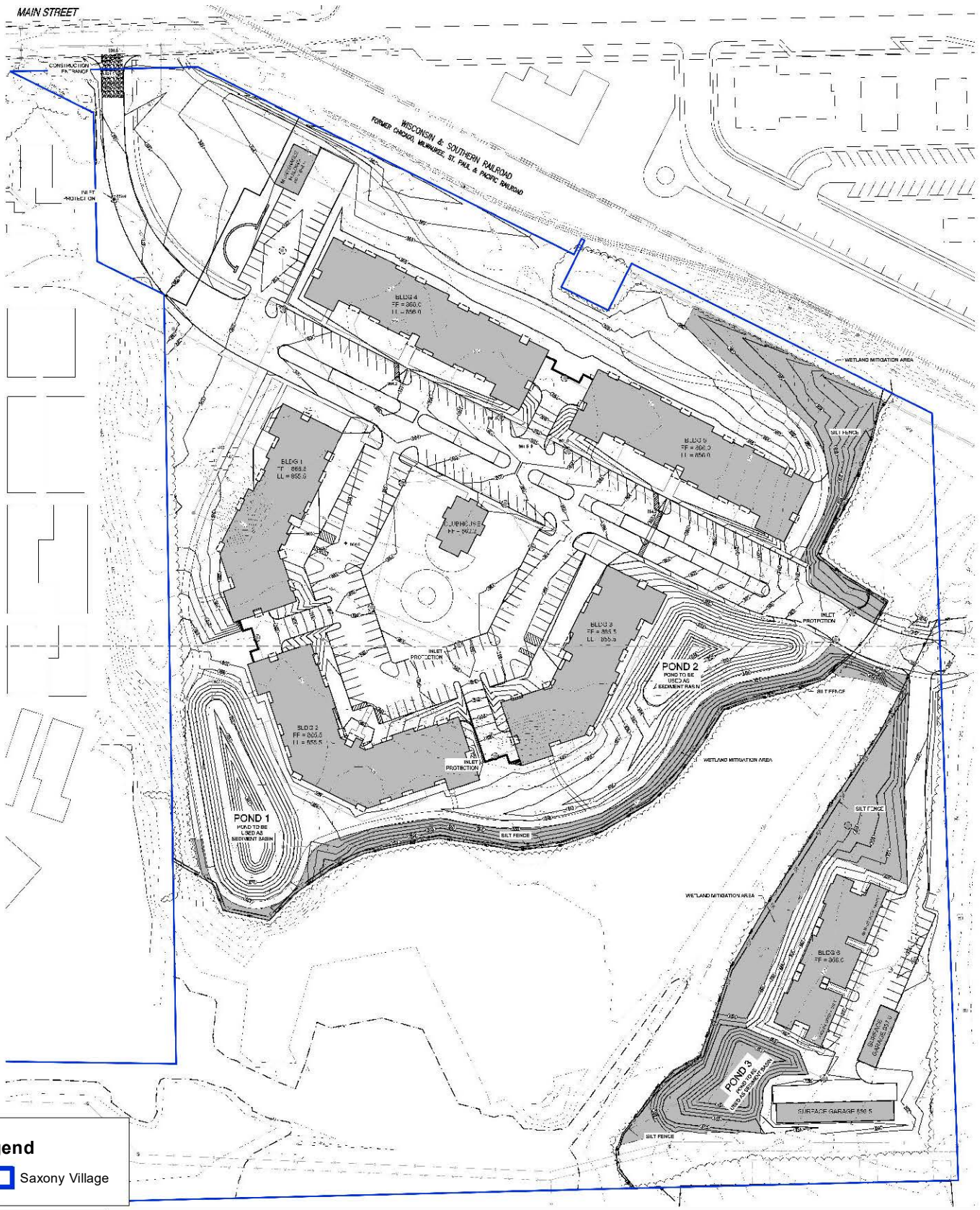

Source: AG Architecture - Grading & Erosion Plan (10/15/2015)

Scale: 0 100 200 400 Feet

Figure 2: Site Layout Map

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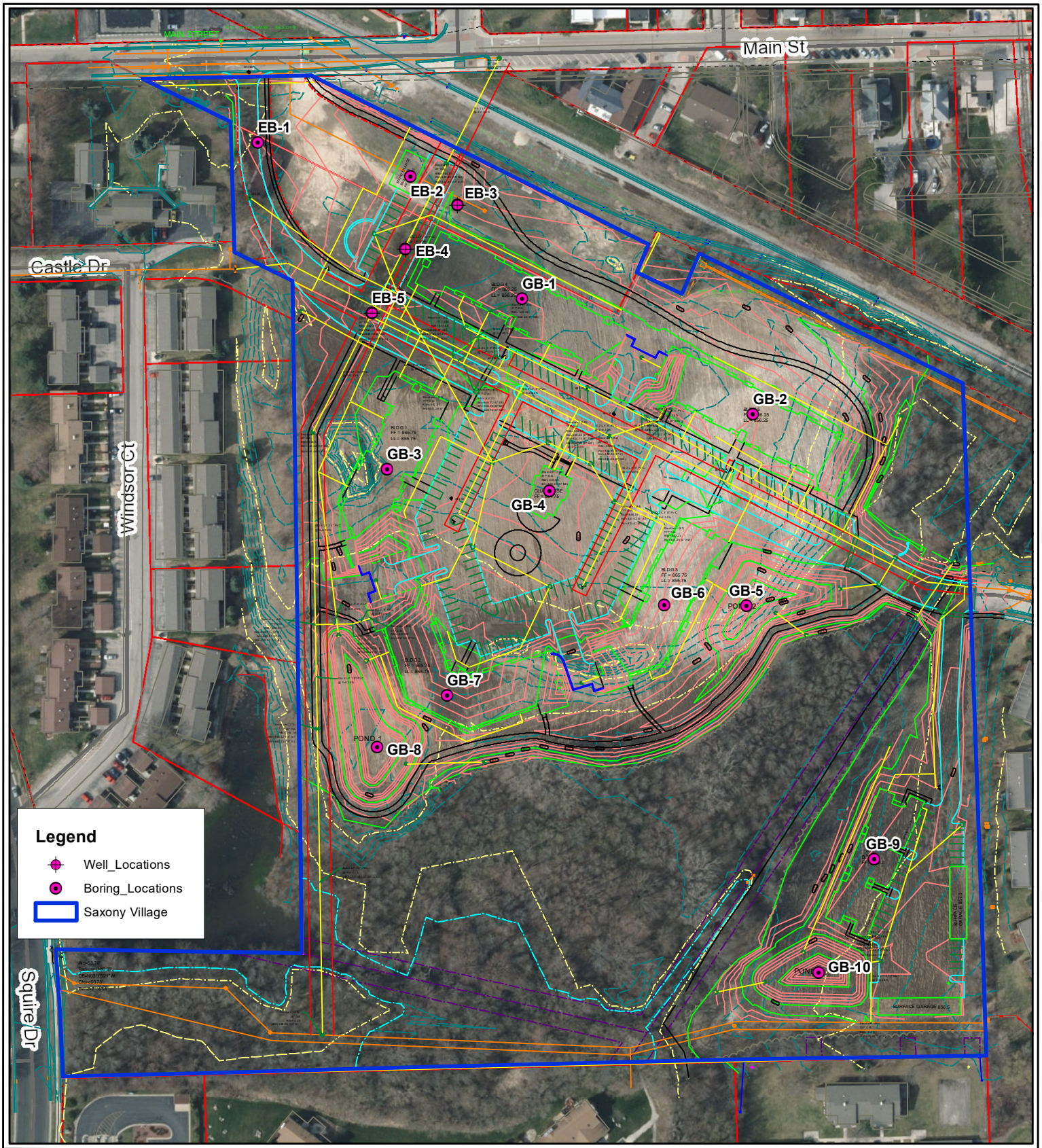

Source: ArcGIS Online, Washington County GIS, AG Arch

Scale: 0 100 200 400 Feet

Figure 3: Soil Boring / Monitoring Well Location Map

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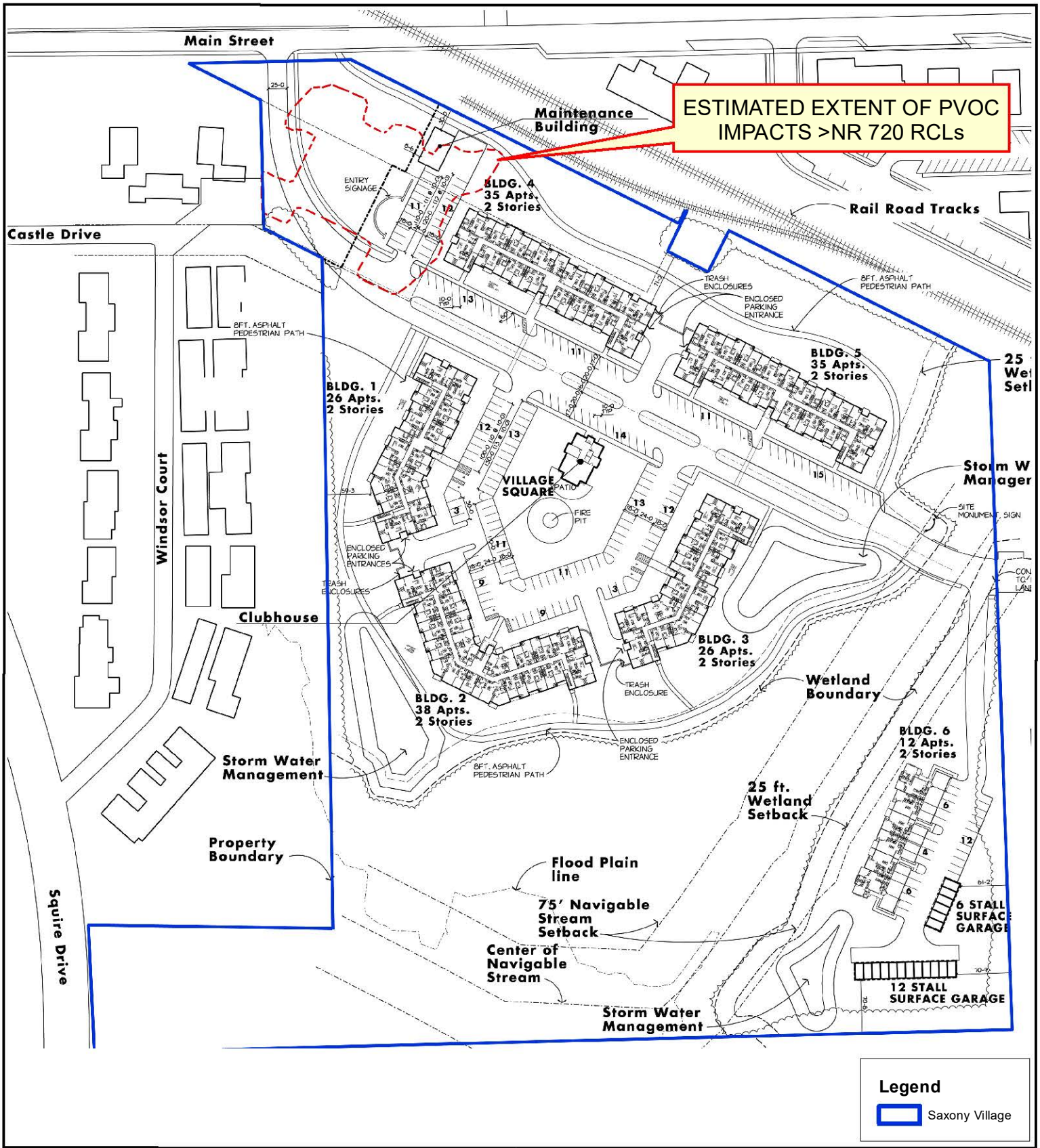

Source: The SIGMA Group (10/12/2012), AG Architecture

Scale: 0 100 200 400 Feet

Figure 4: Soil Quality Map

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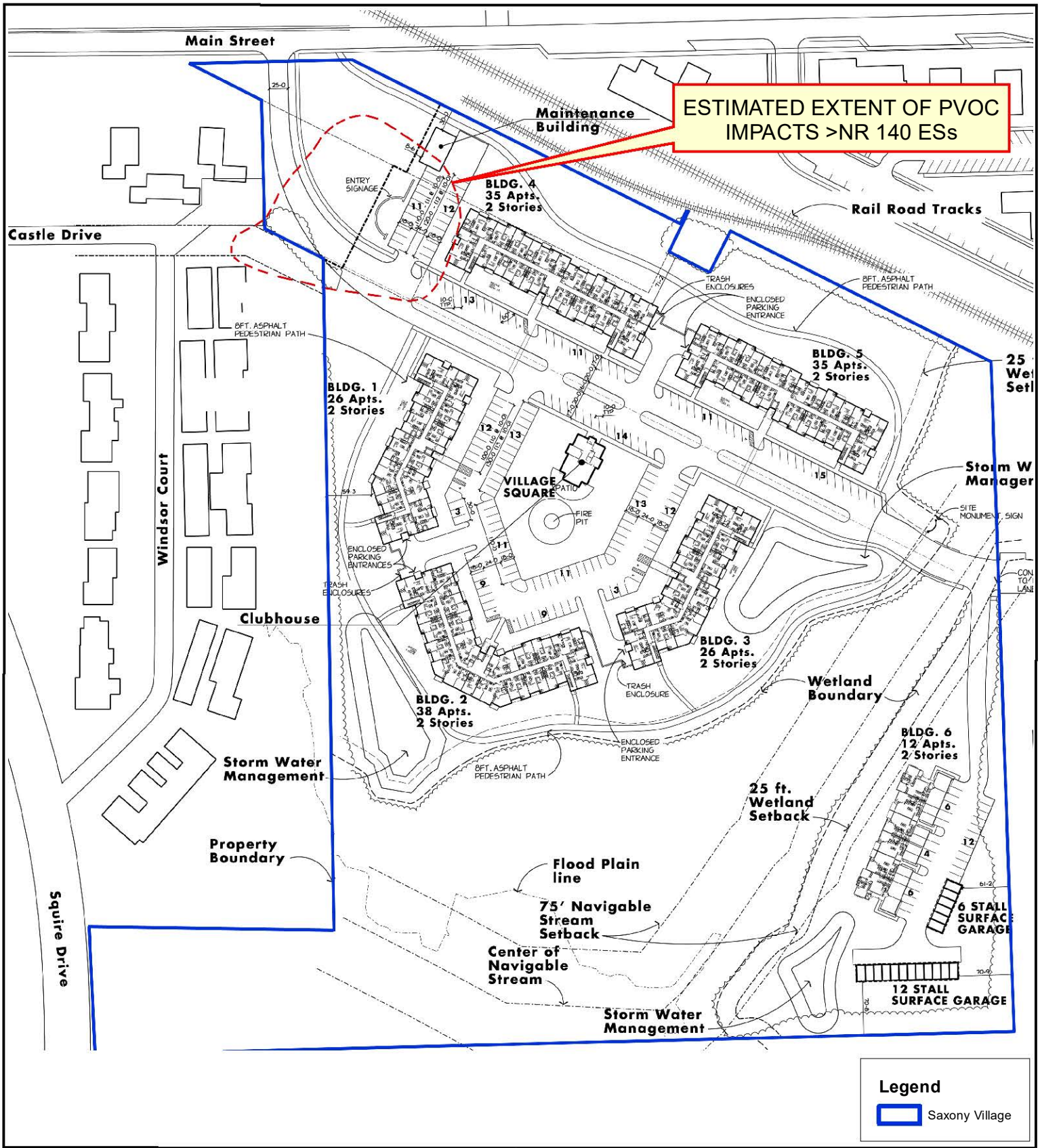

Source: The SIGMA Group (8/27/2012), AG Architecture

Scale: 0 100 200 400 Feet

Figure 5: Groundwater Quality Map

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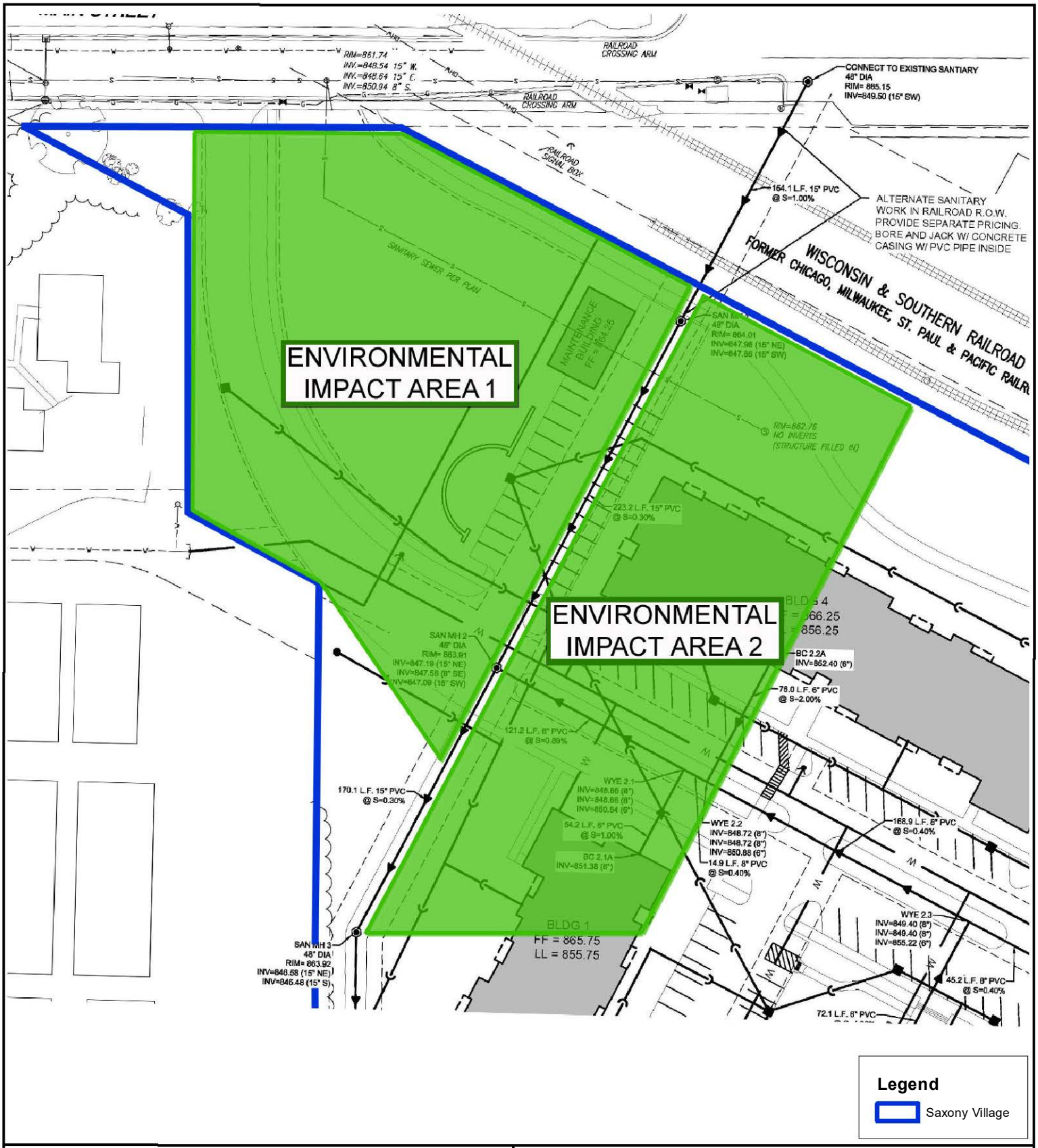

Source: AG Architecture - Saxony Village - Utility Plan

Scale: 0 40 80 160 Feet

Figure 6: Environmental Impact Areas

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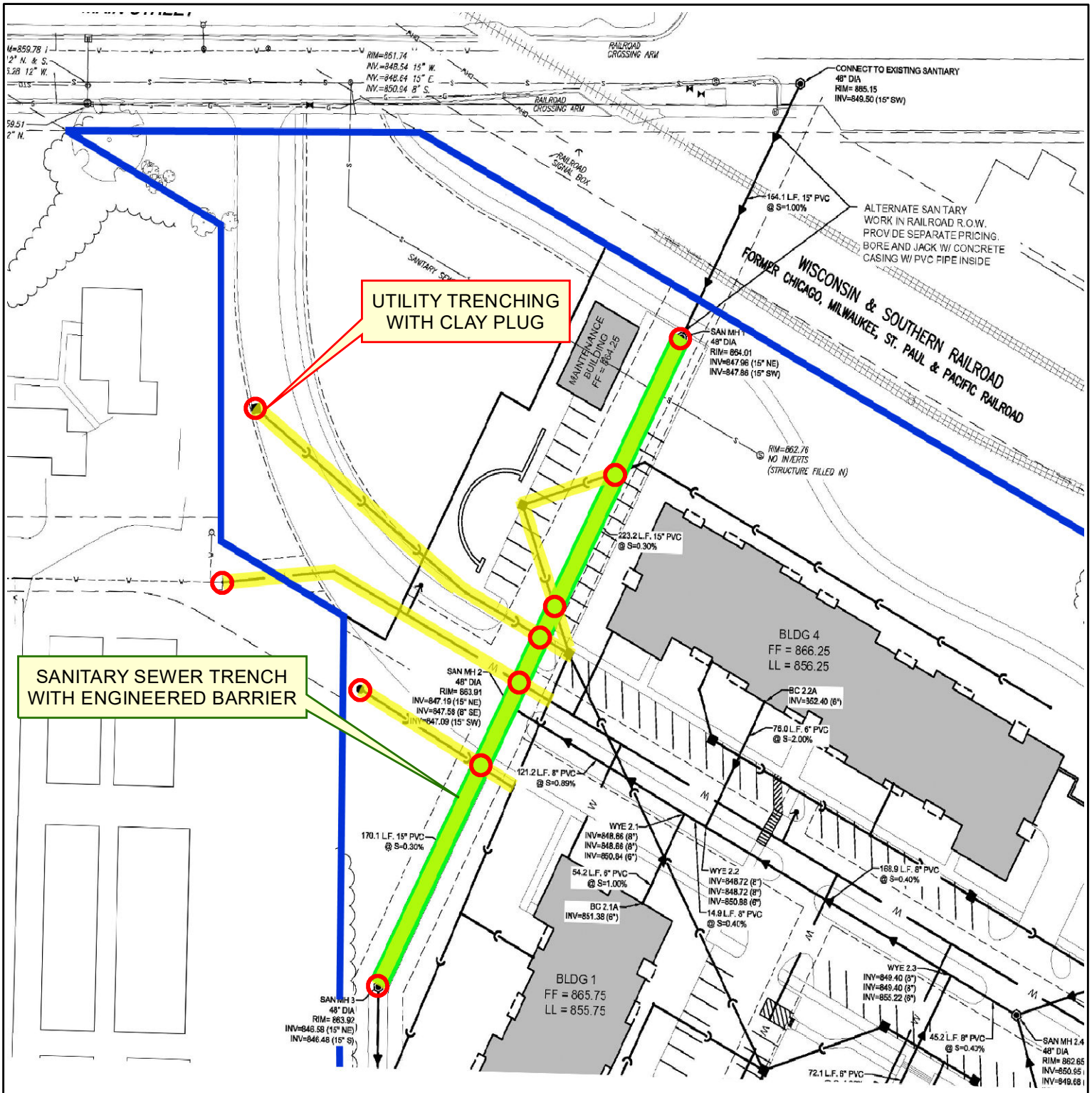

Source: AG Architecture - Saxony Village - Utility Plan

Scale: 0 40 80 160 Feet

Figure 7: Environmental Barriers

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Washington County, Wisconsin

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TABLES

Table 1: Soil Quality Results

Phase 2 Hazardous Materials Investigation

Saxony Village Development

Village of Germantown, Washington County

Project ID: 15016.033

Sample ID	EB-1		EB-2		EB-3		EB-4		EB-5		NR720 Direct Contact Non-Industrial RCLs	NR720 Direct Contact Industrial RCLs	NR 720 Groundwater Protection RCLs (DF=2)
Depth (feet)	6 – 7.5	8.5 - 10	3.5 - 5	6 – 7.5	3.5 - 5	6 – 7.5	1 – 2.5	3.5 - 5	3.5 - 5	6 – 7.5			
Collection Date	11/25/2015		11/25/2015		11/25/2015		11/25/2015		11/25/2015				
VOCs (µg/kg)													
Benzene	< 125	< 25.0	< 25.0	< 50.0	*32.3 J*	< 100	< 312	< 200	< 62.5	*722*	1,490	7,410	5.1
Ethylbenzene	*1,960*	1,230	67 J	447	110	842	**7,900**	**18,600**	*4,710*	**8,840**	7,470	37,000	1,570
Toluene	< 125	50.0 J	39.4 J	*1,150*	90.7	143 J	495 J	925	353	*15,800*	818,000	818,000	1,107.2
Xylenes	3,840	2,330	155 J	508	300	2,340	*4,590*	*69,400*	*17,500*	*42,600*	258,000	258,000	3,940
Trimethylbenzene, 1,2,4-	*5,910*	*1,160*	105	466	1,140	*14,200*	*61,700*	*41,800*	*16,600*	*12,400*	89,800	219,000	1,379
Trimethylbenzene, 1,3,5-	*2,460*	*544*	127	555	235	*3,800*	*11,300*	*14,600*	*6,480*	*4,290*	182,000	182,000	
Methyl-tert-butyl ether	< 125	< 25.0	< 25.0	< 50.0	< 25.0	< 100	< 312	< 200	< 62.5	*106 J*	59,400	293,000	27
Naphthalene	**6,820**	*911*	317	*1,150*	*780*	*3,500*	**12,300**	**8,350**	*2,240*	*1,690*	5,150	26,000	658.7
Cumulative Hazard Index / Cancer Risk													
Individual Exceedances	1	0	0	0	0	0	2	2	0	1	NR 720 Direct Contact Non-Industrial RCLs		
Hazard Index (HI)	0.11	0.0214	0.0032	0.0129	0.0178	0.1845	0.7741	0.6111	0.2259	0.212	Cumulative HI ≤ 1.000		
Cancer Risk (CR)	1.6E-06	3.4E-07	7.1E-08	2.8E-07	1.9E-07	7.9E-07	3.4E-06	4.1E-06	1.1E-06	2.0E-06	Cumulative CR ≤ 1.0E-05		

Notes:
Analytes detected above the method detection limit (MDL) in at least one sample are included in the Table
GRO = Gasoline Range Organics; DRO = Diesel Range Organics; VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds; RCRA = Resource Conservation and Recovery Act
mg/kg = milligrams per kilogram = parts per million (ppm)
µg/kg = micrograms per kilogram = parts per billion (ppb)
NSE = No Standard Established; RCL= Residual Contaminant Level; DF = Dilution Factor
J = Estimated concentration above the MDL and below the adjusted reporting limit
Results in UNDERLINE exceed NR 720 Direct Contact - Industrial RCLs
Results in **BOLD** exceed NR 720 Direct Contact - Non-Industrial RCLs
Results in *ITALICS* exceed NR 720 Groundwater Protection RCLs

Table 2: Groundwater Quality Results
Phase 2 Hazardous Materials Investigation
Saxony Village Development
Village of Germantown, Washington County
Project ID: 15016.033

Sample I.D.	EB-3	EB-4	EB-5	NR 140 ES (µg/L)	NR 140 PAL (µg/L)
Collection Date	11/25/2015	11/25/2015	11/25/2015		
VOCs (µg/L)					
Benzene	<19.8	**6,810**	**1,610**	5	0.5
Ethylbenzene	**706**	**1,950**	**2,470**	700	140
Toluene	84.0	**7,430**	**3,020**	800	160
Xylenes (m-,o-,p-)	*1,280*	**8,710**	**9,940**	2000	400
Trimethylbenzene (1,2,4- & 1,3,5-)	**13,510**	**2,103**	**979**	480	96
Methyl-tert-butyl ether	<24.2	<48.5	<19.4	60	12
Naphthalene	**1,430**	**351**	**101**	100	10

Notes:
Analytes detected above the method detection limit (MDL) in at least one sample are included in the Table
VOCs = Volatile Organic Compounds
RCRA = Resource Conservation and Recovery Act
mg/L = milligrams per liter = parts per million (ppm)
µg/L = micrograms per liter = parts per billion (ppb)
ES = Enforcement Standard per NR 140; PAL = Preventative Action Limit
J = Concentration reported is between the Method Detection Limit and the Limit of Quantitation
Italics results indicate concentrations exceeding NR 140 PAL
Bold results indicate concentrations exceeding NR 140 ES

APPENDICES

APPENDIX A

SOIL BORING LOGS

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: OFF-ROAD BORING

Boring No. EB-1
Surface Elevation 860.23
Job No. 15016.033
Sheet 1 of 1

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	2" ROOT MAT; SATURATED GRAVEL FILL BELOW						
1	SS	12"	D	5	2.5	CLAYEY GRAVEL(FILL/GC): Loose, brown, dry		20				1.2
2	SS	18"	M	9	5	SILT (ML): Stiff to Very stiff, light brown, moist to wet, trace to little fine sand	2.5	19				1.0
3	SS	18"	W	5	7.5	GRAY STAINING (PETROLEUM ODOR) wet	1.5	20				188
4	SS	18"	W	11	10		1.0	17				12.7
					12.5	End of Boring = 10.0 Feet BACKFILLED WITH BENTONITE CHIPS						

WATER LEVEL OBSERVATIONS

While Drilling 6 FEET
Upon Completion of Drilling 6 FEET
Time After Drilling
Depth to Water
Depth to Cave-in 6 FEET

GENERAL NOTES

Start 11/25/2015 Complete 11/25/2015
Crew Chief STEVE Rig ATV: CME 45
Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: MAINTENANCE BUILDING

Boring No. EB-2
Surface Elevation 861.85
Job No. 15016.033
Sheet 1 of 1

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	2" ROOT MAT; SATURATED GRAVEL FILL						
1	SS	18"	D	5	2.5	SILTY SAND (FILL/SM): Loose, light brown, dry to moist		13				0.1
2	SS	18"	M	13	5	SILT (ML): Medium stiff to Stiff, light brown, moist to wet SLIGHT PETROLEUM ODOR	1.0	16				14.2
3	SS	18"	W	17	7.5	GRAY STAINING (PETROLEUM ODOR)	0.75	17				16.7
4	SS	18"	W	14	10	End of Boring = 10.0 Feet BACKFILLED WITH BENTONITE CHIPS	1.5	25				1.0
					12.5							

WATER LEVEL OBSERVATIONS

While Drilling 6 FEET
Upon Completion of Drilling 6 FEET
Time After Drilling
Depth to Water
Depth to Cave-in 6 FEET

GENERAL NOTES

Start 11/25/2015 Complete 11/25/2015
Crew Chief STEVE Rig ATV: CME 45
Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

Project Saxony Village / Germantown

Location OFF-ROAD BORING

Boring No. EB-3
Surface Elevation 862.33
Job No. 15016.033
Sheet 1 **of** 1

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	**TOPSOIL / GRAVEL**						
1	SS	18"	D	6	2.5	**SILT WITH SAND (FILL/SM): Stiff, light brown, dry, little clay**	2.0	10				4.8
2	SS	18"	M	15	5	**SILT (ML): Soft, brown, moist, little fine sand** **SLIGHT PETROLEUM ODOR**	0.75	17				21.4
3	SS	18"	W	9	7.5	**GRAY STAINING (PETROLEUM ODOR) wet**	0.5	14				27.1
4	SS	18"	W	9	10	**6 INCH SAND/GRAVEL SEAM @ 7 FEET BGS (BLACK STAIN)**	0.75	22				14.8
5	SS	18"		7	12.5	**SILTY SAND (SM): Loose, brown, mostly fine sand**	0.75	19				1.0
						End of Boring = 13.5 Feet **TEMP WELL INSTALLED (10'SCREEN,5'RISER)** **WELL REMOVED AND FILLED WITH BENTONITE**						

WATER LEVEL OBSERVATIONS

While Drilling 6 FEET
Upon Completion of Drilling 5 FEET
Time After Drilling 30 MIN.
Depth to Water 4.5
Depth to Cave-in

GENERAL NOTES

Start 11/25/2015 **Complete** 11/25/2015
Crew Chief STEVE **Rig** ATV: CME 45
Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: OFF-ROAD BORING

Boring No. EB-4
Surface Elevation 861.10
Job No. 15016.033
Sheet 1 of 1

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	TOPSOIL / GRAVEL						
1	SS	18"	D	11	2.5	SILT (CH-MH): Stiff to Very stiff, light brown, dry, trace fine sand (PETROLEUM ODOR @ 2 FEET BGS)	2.5	21				60.1
2	SS	18"	M	10	5	(GRAY STAINING-STRONG PETROLEUM ODOR)	1.0	15				810
3	SS	18"	W	16	7.5	wet	1.5	18				370
4	SS	18"	W	7	10	trace clay	0.25	19				15.2
5	SS	18"		8	12.5	trace clay	0.5	18				1.0
						End of Boring = 13.5 Feet TEMP WELL INSTALLED (10'SCREEN,5'RISER) WELL REMOVED AND FILLED WITH BENTONITE						

WATER LEVEL OBSERVATIONS

While Drilling 8.5 FEET
Upon Completion of Drilling 8 FEET
Time After Drilling 30 MIN.
Depth to Water 3.0
Depth to Cave-in

GENERAL NOTES

Start 11/25/2015 Complete 11/25/2015
Crew Chief STEVE Rig ATV: CME 45
Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: OFF-ROAD BORING

Boring No. EB-5
Surface Elevation 861.09
Job No. 15016.033
Sheet 1 of 1

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	TOPSOIL / GRAVEL						
1	SS	18"	D	12	2.5	SILT (ML): Soft to Hard, light brown, dry to wet, trace roots	4.0	18				0.0
2	SS	18"	M	12	5	trace fine sand	2.0	17				47.5
3	SS	18"	W	15	7.5	wet, trace clay (GRAY STAINING-PETROLEUM ODOR)	0.25	20				98
4	SS	18"	W	7	10		0.75	17				22
					12.5	End of Boring = 13.5 Feet TEMP WELL INSTALLED (10'SCREEN,5'RISER) WELL REMOVED AND FILLED WITH BENTONITE						

WATER LEVEL OBSERVATIONS

While Drilling 7 FEET
Upon Completion of Drilling 5 FEET
Time After Drilling 30 MIN.
Depth to Water 2.0
Depth to Cave-in

GENERAL NOTES

Start 11/25/2015 Complete 11/25/2015
Crew Chief STEVE Rig ATV: CME 45
Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: BUILDING 4

Boring No. GB-1
Surface Elevation 861.69
Job No. 15016.033
Sheet 1 of 2

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	**TOPSOIL**						
1	SS	16"	D	9	2.5	**CLAYEY GRAVEL(GC): Loose, brown, moist**		16				
2	SS	8"	M	22	5			11				
3	SS	18"	M	9	7.5	**CLAYEY/SANDY SILT(ML): Medium to Very stiff, moist to wet, brown to gray**	1.25	20				
4	SS	18"	W	11	10	**wet**	2.0	21				
5	SS	18"	W	11	12.5		2.25	18				
							1.0	22				

WATER LEVEL OBSERVATIONS

While Drilling 6 FEET
Upon Completion of Drilling 6 FEET
Time After Drilling
Depth to Water
Depth to Cave-in 11

GENERAL NOTES

Start 11/25/2015 Complete 11/25/15
Crew Chief DZ Rig ATV: CME 45
Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: BUILDING 4

Boring No. GB-1

Surface Elevation 861.69

Job No. 15016.033

Sheet 2 of 2

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
6	SS	18"	W	9	15							
7	SS	18"	W	6	17.5		1.25	23				
8	SS	18"	W	6	20		0.75	26				
9	SS	18"	W	24	22.5	SILTY SAND(SM): Medium dense to Dense, gray, wet		18				
10	SS	18"	W	35	25			17				
						End of Boring = 25.0 Feet						
					27.5							
					30							

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: BUILDING 5

Boring No. GB-2
Surface Elevation 862.78
Job No. 15016.033
Sheet 1 of 2

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	**TOPSOIL**						
1	SS	12"	M	14	2.5	**SILTY CLAY (CL): Stiff to Very Stiff, brown, moist, trace roots**	2.25	19				
2	SS	6"	M	12	5		1.25	18				
3	SS	16"	M	11	7.5	**SILT (ML): Medium to Stiff, gray, moist to wet, trace fine sand**		19				
4	SS	16"	W	12	10	**wet**	1.75	17				
5	SS	18"	W	9	12.5		1.5	23				
							1.0	20				

WATER LEVEL OBSERVATIONS

While Drilling 8.5 FEET
Upon Completion of Drilling 7 FEET
Time After Drilling
Depth to Water
Depth to Cave-in 8

GENERAL NOTES

Start 11/27/2015 Complete 11/27/15
Crew Chief DZ Rig ATV: CME 45
Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

Project Saxony Village / Germantown

Location BUILDING 5

Boring No. GB-2

Surface Elevation 862.78

Job No. 15016.033

Sheet 2 **of** 2

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES					PID ppm
No.	Type	Recov.	Moist.	N-Value	Depth (ft.)		q_{est} (q_u) tsf	W %	LL	PL	DD pcf	
6	SS	18"	W	8	15							
7	SS	18"	W	8	17.5	trace clay	1.0	21				
8	SS	18"	W	9	20	trace clay	0.75	22				
9	SS	18"	W	15	22.5			17				
						End of Boring = 22.5 Feet						
					25							
					27.5							
					30							

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: BUILDING 1

Boring No. GB-3
Surface Elevation 862.01
Job No. 15016.033
Sheet 1 of 2

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	**TOPSOIL**						
1	SS	12"	M	10	2.5	**SILTY CLAY (CL): Stiff, brown, dry**	1.75	19				
2	SS	6"	M	14	5	**SILT (ML): Stiff to Very stiff, brown to gray, moist to wet**	2.25	19				
3	SS	16"	M	15	7.5		2.5	18				
4	SS	16"	W	11	10	**wet**	2.75	17				
5	SS	18"	W	8	12.5		1.0	22				
							1.0	20				

WATER LEVEL OBSERVATIONS

While Drilling 9 FEET
Upon Completion of Drilling 11 FEET
Time After Drilling
Depth to Water
Depth to Cave-in 21

GENERAL NOTES

Start 11/25/15 Complete 11/25/15
Crew Chief STEVE Rig ATV: CME 45
Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: BUILDING 1

Boring No. GB-3

Surface Elevation 862.01

Job No. 15016.033

Sheet 2 of 2

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
6	SS	18"	W	8	15							
7	SS	18"	W	6	17.5		0.5	22				
8	SS	18"	W	6	20		1.0	24				
9	SS	18"	W	5	22.5	SILTY CLAY(CL): Soft to Stiff, gray, wet	0.5	22				
10	SS	18"	W	7	25		1.75	24				
						End of Boring = 25.0 Feet						
					27.5							
					30							

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

Project: Saxony Village / Germantown

Location: CLUBHOUSE

Boring No. GB-4

Surface Elevation 863.10

Job No. 15016.033

Sheet 1 of 1

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	TOPSOIL						
1	SS	18"	M	6	2.5	SILTY CLAY (CL): Medium stiff, brown, dry	1.0	18				
2	SS	18"	M	13	5	SILT (ML): Stiff to Very stiff, brown, trace fine sand	2.5	20				
3	SS	18"	M	11	7.5	trace clay	1.75	19				
4	SS	18"	W	12	10	wet	1.75	22				
					12.5	End of Boring = 10.0 Feet						

WATER LEVEL OBSERVATIONS

While Drilling 9 FEET

Upon Completion of Drilling 9 FEET

Time After Drilling

Depth to Water

Depth to Cave-in 7

GENERAL NOTES

Start 11/27/15 Complete 11/27/15

Crew Chief STEVE Rig ATV: CME 45

Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

Project Saxony Village / Germantown

Location POND 2

Boring No. GB-5

Surface Elevation 860.72

Job No. 15016.033

Sheet 1 **of** 2

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	**TOPSOIL**						
1	SS	18"	D	11	2.5	**SILTY CLAY (CL): Stiff to Very stiff, brown, dry, trace roots**	2.0	16				
2	SS	18"	D	8	5	**trace gravel**	2.5	27				
3	SS	15"	M	10	7.5	**SILT (ML): Stiff, brown to gray, moist to wet, trace fine sand**	2.0	17				
4	SS	18"	W	10	10		2.0	16				
5	SS	15"	W	6	12.5		1.0	24				
						trace clay	0.5	23				

WATER LEVEL OBSERVATIONS

While Drilling 13.5 FEET

Upon Completion of Drilling 12 FEET

Time After Drilling

Depth to Water

Depth to Cave-in 15

GENERAL NOTES

Start 11/27/15 **Complete** 11/27/15

Crew Chief STEVE **Rig** ATV: CME 45

Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

Project Saxony Village / Germantown

Location POND 2

Boring No. GB-5

Surface Elevation 860.72

Job No. 15016.033

Sheet 2 **of** 2

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES					PID ppm
No.	Type	Recov.	Moist.	N-Value	Depth (ft.)		q_{est} (q_u) tsf	W %	LL	PL	DD pcf	
6	SS	18"	W	4	15							
7	SS	18"	W	4	17.5	trace clay	0.5	25				
8	SS	18"	W	5	20	trace clay	0.5	20				
9	SS	18"	W	8	22.5		0.5	20				
						End of Boring = 22.5 Feet						
					25							
					27.5							
					30							

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

Project Saxony Village / Germantown

Location BUILDING 3

Boring No. GB-6

Surface Elevation 860.84

Job No. 15016.033

Sheet 1 **of** 2

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	**TOPSOIL**						
1	SS	18"	D	10	2.5	**SILTY CLAY (CL): Soft to Very stiff, brown, trace roots**	3.0	16				
2	SS	18"	D	10	5	**SILTY GRAVEL(GM): Medium dense, brown, very moist, some fine sand**		13				
3	SS	2"	M	15	7.5	**trace clay**		19				
4	SS	18"	W	16	10	**SILT (ML): Medium stiff to Stiff, brown to gray, moist to wet**	2.0	17				
5	SS	18"	W	11	12.5		1.5	16				
						trace clay, trace fine sand	1.0	19				

WATER LEVEL OBSERVATIONS

While Drilling 7 FEET

Upon Completion of Drilling 7 FEET

Time After Drilling

Depth to Water

Depth to Cave-in 11

GENERAL NOTES

Start 11/27/15 **Complete** 11/27/15

Crew Chief STEVE **Rig** ATV: CME 45

Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: BUILDING 3

Boring No.: GB-6

Surface Elevation: 860.84

Job No.: 15016.033

Sheet: 2 of 2

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
6	SS	18"	W	7	15							
7	SS	18"	W	6	17.5		1.0	24				
8	SS	18"	W	6	20	CLAYEY SILT/SILTY CLAY (CL-ML): Soft to Stiff, gray, wet	1.0	22				
9	SS	18"	W	8	22.5		0.5	24				
						End of Boring = 22.5 Feet						
					25							
					27.5							
					30							

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: BUILDING 2

Boring No. GB-7
Surface Elevation 856.34
Job No. 15016.033
Sheet 1 of 2

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	**TOPSOIL**						
1	SS	14"	D	6	2.5	**SILTY SAND(SM): Loose, brown, dry to moist, trace roots**		17				
2	SS	18"	M	11	5	**SILT(ML): Soft to Medium stiff, brown to gray, wet, some clay**	1.5	19				
3	SS	18"	W	6	7.5		0.5	21				
4	SS	18"	W	7	10	**trace clay, trace fine sand**	0.5	21				
5	SS	18"	W	8	12.5		0.5	20				
							1.0	18				

WATER LEVEL OBSERVATIONS

While Drilling 3.5 FEET
Upon Completion of Drilling 3 FEET
Time After Drilling
Depth to Water
Depth to Cave-in 4

GENERAL NOTES

Start 11/27/15 Complete 11/27/15
Crew Chief STEVE Rig ATV: CME 45
Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: BUILDING 2

Boring No. GB-7

Surface Elevation 856.34

Job No. 15016.033

Sheet 2 of 2

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
6	SS	18"	W	9	15							
7	SS	18"	W	8	17.5	SILTY CLAY/CLAYEY SILT (CL-ML): Stiff to Very stiff, gray, wet	2.5	21				
8	SS	18"	W	9	20		1.0	25				
9	SS	18"	W	12	22.5	S	2.0	23				
					25	End of Boring = 22.5 Feet						
					27.5							
					30							

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

Project Saxony Village / Germantown

Location POND 1

Boring No. GB-8
Surface Elevation 857.27
Job No. 15016.033
Sheet 1 **of** 2

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	**TOPSOIL**						
1	SS	18"	D	10	2.5	**SILT (ML): Medium soft, light brown, trace fine sand**	1.5	16				
2	SS	18"	M	15	5	**SILTY GRAVEL(GM): Medium dense, brown, moist**	1.75	18				
3	SS	18"	M	4	7.5	**SILT (ML): Soft to Stiff, brown to gray, trace to some clay**	1.75	20				
4	SS	18"	W	11	10	**trace fine sand**	1	24				
5	SS	18"	W	5	12.5	**trace fine sand**	0.5	20				
							0.5	18				

WATER LEVEL OBSERVATIONS

While Drilling 8.5 FEET
Upon Completion of Drilling 11 FEET
Time After Drilling
Depth to Water
Depth to Cave-in 21

GENERAL NOTES

Start 11/25/2015 **Complete** 11/25/2015
Crew Chief STEVE **Rig** ATV: CME 45
Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: POND 1

Boring No. GB-8

Surface Elevation 857.27

Job No. 15016.033

Sheet 2 of 2

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES					PID ppm
No.	Type	Recov.	Moist.	N-Value	Depth (ft.)		q_{est} (q_u) tsf	W %	LL	PL	DD pcf	
6	SS	18"	W	7	15							
7	SS	18"	W	9	17.5	SILTY CLAY (OH); Stiff to Very stiff, gray, wet	1.0	24				
8	SS	18"	W	7	20		1.0	23				
9	SS	18"	W	17	22.5		2.0	25				
						End of Boring = 22.5 Feet						
					25							
					27.5							
					30							

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

Project: Saxony Village / Germantown

Location: BUILDING 6

Boring No.: GB-9

Surface Elevation: 853.44

Job No.: 15016.033

Sheet: 1 of 1

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	**TOPSOIL**						
1	SS	8"	M	9	2.5	**SILT (ML): Stiff to Very Stiff, brown to gray, some fine sand**	1.75	19				
2	SS	18"	M	11	5	**trace clay**	1.75	23				
3	SS	18"	M	15	7.5	**SILTY CLAY/CLAYEY SILT(CL-ML): Stiff to Very stiff, gray, moist to wet**	1.75	22				
4	SS	18"	W	14	10	**trace fine sand**	2.5	17				
					12.5	**End of Boring = 10.0 Feet**						

WATER LEVEL OBSERVATIONS

While Drilling: 6 FEET

Upon Completion of Drilling: 6.5 FEET

Time After Drilling:

Depth to Water:

Depth to Cave-in: 7

GENERAL NOTES

Start: 11/27/15 Complete: 11/27/15

Crew Chief: DZ Rig: ATV: CME 45

Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project: Saxony Village / Germantown

Location: POND 3

Boring No. GB-10
Surface Elevation 853.99
Job No. 15016.033
Sheet 1 of 2

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE No.	Type	Recov.	Moist.	N-Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES q_{est} (q_u) tsf	W %	LL	PL	DD pcf	PID ppm
					0	**TOPSOIL**						
1	SS	12"	M	15	2.5	**SILT (ML): Soft to Very stiff, dry to wet**	2.25	17				
2	SS	16"	M	10	5	**trace fine sand**	2.0	19				
3	SS	18"	M	11	7.5	**gray, trace clay**	0.5	17				
4	SS	18"	W	4	10	**wet**	0.5	20				
5	SS	18"	W	7	12.5		0.5	21				
						CLAYEY SILT/SILTY CLAY (CL-ML): Soft to Medium stiff, gray, wet	1.5	18				

WATER LEVEL OBSERVATIONS

While Drilling 8.5 FEET
Upon Completion of Drilling 7.5 FEET
Time After Drilling
Depth to Water
Depth to Cave-in 9

GENERAL NOTES

Start 11/27/15 Complete 11/27/15
Crew Chief DZ Rig ATV: CME 45
Drilling Method: HSA

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

LOG OF TEST BORING

Himalayan Consultants, LLC

Project Saxony Village / Germantown

Location POND 3

Boring No. GB-10

Surface Elevation 853.99

Job No. 15016.033

Sheet 2 of 2

W156 N11357 Pilgrim Rd, Germantown, WI 53022 Tel: (262) 502-0066 Fax: (262) 502-0077

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES					PID ppm
No.	Type	Recov.	Moist.	N-Value	Depth (ft.)		q_{est} (q_u) tsf	W %	LL	PL	DD pcf	
6	SS	18"	W	9	15							
7	SS	18"	W	10	17.5		2.0	20				
8	SS	18"	W	8	20		1.75	21				
9	SS	18"	W	10	22.5		1.0	21				
						End of Boring = 22.5 Feet						
					25							
					27.5							
					30							

NOTE: Soil stratification lines represent approximate boundaries between soil types and transitions may be gradual.

APPENDIX B

SOIL / GROUNDWATER LABORATORY REPORTS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40125405001	**EB-5-2**	Solid	11/25/15 09:45	12/01/15 09:10
40125405002	**EB-5-3**	Solid	11/25/15 10:00	12/01/15 09:10
40125405003	**EB-4-1**	Solid	11/25/15 10:45	12/01/15 09:10
40125405004	**EB-4-2**	Solid	11/25/15 11:00	12/01/15 09:10
40125405005	**EB-3-2**	Solid	11/25/15 11:45	12/01/15 09:10
40125405006	**EB-3-3**	Solid	11/25/15 12:00	12/01/15 09:10
40125405007	**EB-2-2**	Solid	11/25/15 12:45	12/01/15 09:10
40125405008	**EB-2-3**	Solid	11/25/15 13:00	12/01/15 09:10
40125405009	**EB-1-3**	Solid	11/25/15 13:45	12/01/15 09:10
40125405010	**EB-1-4**	Solid	11/25/15 14:00	12/01/15 09:10
40125405011	**MEOH BLANK**	Solid	11/25/15 00:00	12/01/15 09:10
40125405012	**EB-5**	Water	11/25/15 14:15	12/01/15 09:10
40125405013	**EB-4**	Water	11/25/15 14:30	12/01/15 09:10
40125405014	**EB-3**	Water	11/25/15 14:45	12/01/15 09:10
40125405015	**TRIP BLANK**	Water	11/25/15 00:00	12/01/15 09:10

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40125405001	**EB-5-2**	WI MOD GRO	PMS	9	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40125405002	**EB-5-3**	WI MOD GRO	PMS	9	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40125405003	**EB-4-1**	WI MOD GRO	PMS	9	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40125405004	**EB-4-2**	WI MOD GRO	PMS	9	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40125405005	**EB-3-2**	WI MOD GRO	PMS	9	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40125405006	**EB-3-3**	WI MOD GRO	PMS	9	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40125405007	**EB-2-2**	WI MOD GRO	PMS	9	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40125405008	**EB-2-3**	WI MOD GRO	PMS	9	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40125405009	**EB-1-3**	WI MOD GRO	PMS	9	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40125405010	**EB-1-4**	WI MOD GRO	PMS	9	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40125405011	**MEOH BLANK**	WI MOD GRO	PMS	9	PASI-G
40125405012	**EB-5**	WI MOD GRO	PMS	9	PASI-G
40125405013	**EB-4**	WI MOD GRO	PMS	9	PASI-G
40125405014	**EB-3**	WI MOD GRO	PMS	9	PASI-G
40125405015	**TRIP BLANK**	WI MOD GRO	PMS	9	PASI-G

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40125405001	**EB-5-2**					
WI MOD GRO	Ethylbenzene	4710	ug/kg	179	12/02/15 17:32	
WI MOD GRO	Naphthalene	2240	ug/kg	179	12/02/15 17:32	
WI MOD GRO	Toluene	353	ug/kg	179	12/02/15 17:32	
WI MOD GRO	1,2,4-Trimethylbenzene	16600	ug/kg	179	12/02/15 17:32	
WI MOD GRO	1,3,5-Trimethylbenzene	6480	ug/kg	179	12/02/15 17:32	
WI MOD GRO	Xylene (Total)	17500	ug/kg	536	12/02/15 17:32	
ASTM D2974-87	Percent Moisture	16.1	%	0.10	12/03/15 15:16	
40125405002	**EB-5-3**					
WI MOD GRO	Benzene	722	ug/kg	192	12/02/15 16:15	
WI MOD GRO	Ethylbenzene	8840	ug/kg	192	12/02/15 16:15	
WI MOD GRO	Methyl-tert-butyl ether	106J	ug/kg	192	12/02/15 16:15	
WI MOD GRO	Naphthalene	1690	ug/kg	192	12/02/15 16:15	
WI MOD GRO	Toluene	15800	ug/kg	192	12/02/15 16:15	
WI MOD GRO	1,2,4-Trimethylbenzene	12400	ug/kg	192	12/02/15 16:15	
WI MOD GRO	1,3,5-Trimethylbenzene	4290	ug/kg	192	12/02/15 16:15	
WI MOD GRO	Xylene (Total)	42600	ug/kg	576	12/02/15 16:15	
ASTM D2974-87	Percent Moisture	21.9	%	0.10	12/03/15 15:16	
40125405003	**EB-4-1**					
WI MOD GRO	Ethylbenzene	7900	ug/kg	885	12/02/15 17:57	
WI MOD GRO	Naphthalene	12300	ug/kg	885	12/02/15 17:57	
WI MOD GRO	Toluene	495J	ug/kg	885	12/02/15 17:57	
WI MOD GRO	1,2,4-Trimethylbenzene	61700	ug/kg	885	12/02/15 17:57	
WI MOD GRO	1,3,5-Trimethylbenzene	11300	ug/kg	885	12/02/15 17:57	
WI MOD GRO	Xylene (Total)	4590	ug/kg	2660	12/02/15 17:57	
ASTM D2974-87	Percent Moisture	15.3	%	0.10	12/03/15 15:16	
40125405004	**EB-4-2**					
WI MOD GRO	Benzene	<200	ug/kg	480	12/02/15 17:06	W
WI MOD GRO	Ethylbenzene	18600	ug/kg	573	12/02/15 17:06	
WI MOD GRO	Naphthalene	8350	ug/kg	573	12/02/15 17:06	
WI MOD GRO	Toluene	925	ug/kg	573	12/02/15 17:06	
WI MOD GRO	1,2,4-Trimethylbenzene	41800	ug/kg	573	12/02/15 17:06	
WI MOD GRO	1,3,5-Trimethylbenzene	14600	ug/kg	573	12/02/15 17:06	
WI MOD GRO	Xylene (Total)	69400	ug/kg	1720	12/02/15 17:06	
ASTM D2974-87	Percent Moisture	16.2	%	0.10	12/03/15 15:16	
40125405005	**EB-3-2**					
WI MOD GRO	Benzene	32.3J	ug/kg	71.7	12/02/15 19:14	
WI MOD GRO	Ethylbenzene	110	ug/kg	71.7	12/02/15 19:14	
WI MOD GRO	Naphthalene	780	ug/kg	71.7	12/02/15 19:14	
WI MOD GRO	Toluene	90.7	ug/kg	71.7	12/02/15 19:14	
WI MOD GRO	1,2,4-Trimethylbenzene	1140	ug/kg	71.7	12/02/15 19:14	
WI MOD GRO	1,3,5-Trimethylbenzene	235	ug/kg	71.7	12/02/15 19:14	
WI MOD GRO	Xylene (Total)	300	ug/kg	215	12/02/15 19:14	
ASTM D2974-87	Percent Moisture	16.3	%	0.10	12/03/15 15:16	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40125405006	**EB-3-3**					
WI MOD GRO	Ethylbenzene	842	ug/kg	280	12/02/15 16:40	
WI MOD GRO	Naphthalene	3500	ug/kg	280	12/02/15 16:40	
WI MOD GRO	Toluene	143J	ug/kg	280	12/02/15 16:40	
WI MOD GRO	1,2,4-Trimethylbenzene	14200	ug/kg	280	12/02/15 16:40	
WI MOD GRO	1,3,5-Trimethylbenzene	3800	ug/kg	280	12/02/15 16:40	
WI MOD GRO	Xylene (Total)	2340	ug/kg	839	12/02/15 16:40	
ASTM D2974-87	Percent Moisture	14.2	%	0.10	12/03/15 15:16	
40125405007	**EB-2-2**					
WI MOD GRO	Ethylbenzene	67.0J	ug/kg	70.8	12/02/15 15:23	
WI MOD GRO	Naphthalene	317	ug/kg	70.8	12/02/15 15:23	
WI MOD GRO	Toluene	39.4J	ug/kg	70.8	12/02/15 15:23	
WI MOD GRO	1,2,4-Trimethylbenzene	105	ug/kg	70.8	12/02/15 15:23	
WI MOD GRO	1,3,5-Trimethylbenzene	127	ug/kg	70.8	12/02/15 15:23	
WI MOD GRO	Xylene (Total)	155J	ug/kg	212	12/02/15 15:23	
ASTM D2974-87	Percent Moisture	15.2	%	0.10	12/03/15 15:16	
40125405008	**EB-2-3**					
WI MOD GRO	Ethylbenzene	447	ug/kg	145	12/02/15 15:49	
WI MOD GRO	Naphthalene	1150	ug/kg	145	12/02/15 15:49	
WI MOD GRO	Toluene	75.5J	ug/kg	145	12/02/15 15:49	
WI MOD GRO	1,2,4-Trimethylbenzene	466	ug/kg	145	12/02/15 15:49	
WI MOD GRO	1,3,5-Trimethylbenzene	555	ug/kg	145	12/02/15 15:49	
WI MOD GRO	Xylene (Total)	508	ug/kg	434	12/02/15 15:49	
ASTM D2974-87	Percent Moisture	17.0	%	0.10	12/03/15 15:16	
40125405009	**EB-1-3**					
WI MOD GRO	Ethylbenzene	1960	ug/kg	362	12/02/15 18:23	
WI MOD GRO	Naphthalene	6820	ug/kg	362	12/02/15 18:23	
WI MOD GRO	1,2,4-Trimethylbenzene	5910	ug/kg	362	12/02/15 18:23	
WI MOD GRO	1,3,5-Trimethylbenzene	2460	ug/kg	362	12/02/15 18:23	
WI MOD GRO	Xylene (Total)	3840	ug/kg	1090	12/02/15 18:23	
ASTM D2974-87	Percent Moisture	17.1	%	0.10	12/03/15 15:16	
40125405010	**EB-1-4**					
WI MOD GRO	Ethylbenzene	1230	ug/kg	72.9	12/02/15 18:49	
WI MOD GRO	Naphthalene	911	ug/kg	72.9	12/02/15 18:49	
WI MOD GRO	Toluene	50.0J	ug/kg	72.9	12/02/15 18:49	
WI MOD GRO	1,2,4-Trimethylbenzene	1160	ug/kg	72.9	12/02/15 18:49	
WI MOD GRO	1,3,5-Trimethylbenzene	544	ug/kg	72.9	12/02/15 18:49	
WI MOD GRO	Xylene (Total)	2330	ug/kg	219	12/02/15 18:49	
ASTM D2974-87	Percent Moisture	17.7	%	0.10	12/03/15 15:17	
40125405012	**EB-5**					
WI MOD GRO	Benzene	1610	ug/L	40.0	12/03/15 15:04	
WI MOD GRO	Ethylbenzene	2470	ug/L	40.0	12/03/15 15:04	
WI MOD GRO	Naphthalene	101	ug/L	40.0	12/03/15 15:04	
WI MOD GRO	Toluene	3020	ug/L	40.0	12/03/15 15:04	
WI MOD GRO	1,2,4-Trimethylbenzene	755	ug/L	40.0	12/03/15 15:04	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40125405012	**EB-5**					
WI MOD GRO	1,3,5-Trimethylbenzene	224	ug/L	40.0	12/03/15 15:04	
WI MOD GRO	Xylene (Total)	9940	ug/L	120	12/03/15 15:04	
40125405013	**EB-4**					
WI MOD GRO	Benzene	6810	ug/L	100	12/03/15 16:47	
WI MOD GRO	Ethylbenzene	1950	ug/L	100	12/03/15 16:47	
WI MOD GRO	Naphthalene	351	ug/L	100	12/03/15 16:47	
WI MOD GRO	Toluene	7430	ug/L	100	12/03/15 16:47	
WI MOD GRO	1,2,4-Trimethylbenzene	1630	ug/L	100	12/03/15 16:47	
WI MOD GRO	1,3,5-Trimethylbenzene	473	ug/L	100	12/03/15 16:47	
WI MOD GRO	Xylene (Total)	8710	ug/L	300	12/03/15 16:47	
40125405014	**EB-3**					
WI MOD GRO	Ethylbenzene	706	ug/L	50.0	12/03/15 17:13	
WI MOD GRO	Naphthalene	1430	ug/L	50.0	12/03/15 17:13	
WI MOD GRO	Toluene	84.0	ug/L	50.0	12/03/15 17:13	
WI MOD GRO	1,2,4-Trimethylbenzene	12400	ug/L	50.0	12/03/15 17:13	
WI MOD GRO	1,3,5-Trimethylbenzene	1110	ug/L	50.0	12/03/15 17:13	
WI MOD GRO	Xylene (Total)	1280	ug/L	150	12/03/15 17:13	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-5-2 **Lab ID: 40125405001** Collected: 11/25/15 09:45 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<62.5**	ug/kg	150	62.5	2.5	12/02/15 07:00	12/02/15 17:32	71-43-2	W
Ethylbenzene	**4710**	ug/kg	179	74.5	2.5	12/02/15 07:00	12/02/15 17:32	100-41-4	
Methyl-tert-butyl ether	**<62.5**	ug/kg	150	62.5	2.5	12/02/15 07:00	12/02/15 17:32	1634-04-4	W
Naphthalene	**2240**	ug/kg	179	74.5	2.5	12/02/15 07:00	12/02/15 17:32	91-20-3	
Toluene	**353**	ug/kg	179	74.5	2.5	12/02/15 07:00	12/02/15 17:32	108-88-3	
1,2,4-Trimethylbenzene	**16600**	ug/kg	179	74.5	2.5	12/02/15 07:00	12/02/15 17:32	95-63-6	
1,3,5-Trimethylbenzene	**6480**	ug/kg	179	74.5	2.5	12/02/15 07:00	12/02/15 17:32	108-67-8	
Xylene (Total)	**17500**	ug/kg	536	223	2.5	12/02/15 07:00	12/02/15 17:32	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	113	%	80-120		2.5	12/02/15 07:00	12/02/15 17:32	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.1**	%	0.10	0.10	1		12/03/15 15:16		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-5-3 **Lab ID: 40125405002** Collected: 11/25/15 10:00 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**722**	ug/kg	192	80.1	2.5	12/02/15 07:00	12/02/15 16:15	71-43-2	
Ethylbenzene	**8840**	ug/kg	192	80.1	2.5	12/02/15 07:00	12/02/15 16:15	100-41-4	
Methyl-tert-butyl ether	**106J**	ug/kg	192	80.1	2.5	12/02/15 07:00	12/02/15 16:15	1634-04-4	
Naphthalene	**1690**	ug/kg	192	80.1	2.5	12/02/15 07:00	12/02/15 16:15	91-20-3	
Toluene	**15800**	ug/kg	192	80.1	2.5	12/02/15 07:00	12/02/15 16:15	108-88-3	
1,2,4-Trimethylbenzene	**12400**	ug/kg	192	80.1	2.5	12/02/15 07:00	12/02/15 16:15	95-63-6	
1,3,5-Trimethylbenzene	**4290**	ug/kg	192	80.1	2.5	12/02/15 07:00	12/02/15 16:15	108-67-8	
Xylene (Total)	**42600**	ug/kg	576	240	2.5	12/02/15 07:00	12/02/15 16:15	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		2.5	12/02/15 07:00	12/02/15 16:15	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.9**	%	0.10	0.10	1		12/03/15 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-4-1 **Lab ID: 40125405003** Collected: 11/25/15 10:45 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<312**	ug/kg	750	312	12.5	12/02/15 07:00	12/02/15 17:57	71-43-2	W
Ethylbenzene	**7900**	ug/kg	885	369	12.5	12/02/15 07:00	12/02/15 17:57	100-41-4	
Methyl-tert-butyl ether	**<312**	ug/kg	750	312	12.5	12/02/15 07:00	12/02/15 17:57	1634-04-4	W
Naphthalene	**12300**	ug/kg	885	369	12.5	12/02/15 07:00	12/02/15 17:57	91-20-3	
Toluene	**495J**	ug/kg	885	369	12.5	12/02/15 07:00	12/02/15 17:57	108-88-3	
1,2,4-Trimethylbenzene	**61700**	ug/kg	885	369	12.5	12/02/15 07:00	12/02/15 17:57	95-63-6	
1,3,5-Trimethylbenzene	**11300**	ug/kg	885	369	12.5	12/02/15 07:00	12/02/15 17:57	108-67-8	
Xylene (Total)	**4590**	ug/kg	2660	1110	12.5	12/02/15 07:00	12/02/15 17:57	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	111	%	80-120		12.5	12/02/15 07:00	12/02/15 17:57	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.3**	%	0.10	0.10	1		12/03/15 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-4-2 **Lab ID: 40125405004** Collected: 11/25/15 11:00 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<200**	ug/kg	480	200	8	12/02/15 07:00	12/02/15 17:06	71-43-2	W
Ethylbenzene	**18600**	ug/kg	573	239	8	12/02/15 07:00	12/02/15 17:06	100-41-4	
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	12/02/15 07:00	12/02/15 17:06	1634-04-4	W
Naphthalene	**8350**	ug/kg	573	239	8	12/02/15 07:00	12/02/15 17:06	91-20-3	
Toluene	**925**	ug/kg	573	239	8	12/02/15 07:00	12/02/15 17:06	108-88-3	
1,2,4-Trimethylbenzene	**41800**	ug/kg	573	239	8	12/02/15 07:00	12/02/15 17:06	95-63-6	
1,3,5-Trimethylbenzene	**14600**	ug/kg	573	239	8	12/02/15 07:00	12/02/15 17:06	108-67-8	
Xylene (Total)	**69400**	ug/kg	1720	716	8	12/02/15 07:00	12/02/15 17:06	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	110	%	80-120		8	12/02/15 07:00	12/02/15 17:06	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.2**	%	0.10	0.10	1		12/03/15 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-3-2 **Lab ID: 40125405005** Collected: 11/25/15 11:45 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**32.3J**	ug/kg	71.7	29.9	1	12/02/15 07:00	12/02/15 19:14	71-43-2	
Ethylbenzene	**110**	ug/kg	71.7	29.9	1	12/02/15 07:00	12/02/15 19:14	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 19:14	1634-04-4	W
Naphthalene	**780**	ug/kg	71.7	29.9	1	12/02/15 07:00	12/02/15 19:14	91-20-3	
Toluene	**90.7**	ug/kg	71.7	29.9	1	12/02/15 07:00	12/02/15 19:14	108-88-3	
1,2,4-Trimethylbenzene	**1140**	ug/kg	71.7	29.9	1	12/02/15 07:00	12/02/15 19:14	95-63-6	
1,3,5-Trimethylbenzene	**235**	ug/kg	71.7	29.9	1	12/02/15 07:00	12/02/15 19:14	108-67-8	
Xylene (Total)	**300**	ug/kg	215	89.6	1	12/02/15 07:00	12/02/15 19:14	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	109	%	80-120		1	12/02/15 07:00	12/02/15 19:14	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.3**	%	0.10	0.10	1		12/03/15 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-3-3 **Lab ID: 40125405006** Collected: 11/25/15 12:00 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<100**	ug/kg	240	100	4	12/02/15 07:00	12/02/15 16:40	71-43-2	W
Ethylbenzene	**842**	ug/kg	280	117	4	12/02/15 07:00	12/02/15 16:40	100-41-4	
Methyl-tert-butyl ether	**<100**	ug/kg	240	100	4	12/02/15 07:00	12/02/15 16:40	1634-04-4	W
Naphthalene	**3500**	ug/kg	280	117	4	12/02/15 07:00	12/02/15 16:40	91-20-3	
Toluene	**143J**	ug/kg	280	117	4	12/02/15 07:00	12/02/15 16:40	108-88-3	
1,2,4-Trimethylbenzene	**14200**	ug/kg	280	117	4	12/02/15 07:00	12/02/15 16:40	95-63-6	
1,3,5-Trimethylbenzene	**3800**	ug/kg	280	117	4	12/02/15 07:00	12/02/15 16:40	108-67-8	
Xylene (Total)	**2340**	ug/kg	839	350	4	12/02/15 07:00	12/02/15 16:40	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	114	%	80-120		4	12/02/15 07:00	12/02/15 16:40	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.2**	%	0.10	0.10	1		12/03/15 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-2-2 **Lab ID: 40125405007** Collected: 11/25/15 12:45 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 15:23	71-43-2	W
Ethylbenzene	**67.0J**	ug/kg	70.8	29.5	1	12/02/15 07:00	12/02/15 15:23	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 15:23	1634-04-4	W
Naphthalene	**317**	ug/kg	70.8	29.5	1	12/02/15 07:00	12/02/15 15:23	91-20-3	
Toluene	**39.4J**	ug/kg	70.8	29.5	1	12/02/15 07:00	12/02/15 15:23	108-88-3	
1,2,4-Trimethylbenzene	**105**	ug/kg	70.8	29.5	1	12/02/15 07:00	12/02/15 15:23	95-63-6	
1,3,5-Trimethylbenzene	**127**	ug/kg	70.8	29.5	1	12/02/15 07:00	12/02/15 15:23	108-67-8	
Xylene (Total)	**155J**	ug/kg	212	88.5	1	12/02/15 07:00	12/02/15 15:23	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	110	%	80-120		1	12/02/15 07:00	12/02/15 15:23	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.2**	%	0.10	0.10	1		12/03/15 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-2-3 **Lab ID: 40125405008** Collected: 11/25/15 13:00 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<50.0**	ug/kg	120	50.0	2	12/02/15 07:00	12/02/15 15:49	71-43-2	W
Ethylbenzene	**447**	ug/kg	145	60.3	2	12/02/15 07:00	12/02/15 15:49	100-41-4	
Methyl-tert-butyl ether	**<50.0**	ug/kg	120	50.0	2	12/02/15 07:00	12/02/15 15:49	1634-04-4	W
Naphthalene	**1150**	ug/kg	145	60.3	2	12/02/15 07:00	12/02/15 15:49	91-20-3	
Toluene	**75.5J**	ug/kg	145	60.3	2	12/02/15 07:00	12/02/15 15:49	108-88-3	
1,2,4-Trimethylbenzene	**466**	ug/kg	145	60.3	2	12/02/15 07:00	12/02/15 15:49	95-63-6	
1,3,5-Trimethylbenzene	**555**	ug/kg	145	60.3	2	12/02/15 07:00	12/02/15 15:49	108-67-8	
Xylene (Total)	**508**	ug/kg	434	181	2	12/02/15 07:00	12/02/15 15:49	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	118	%	80-120		2	12/02/15 07:00	12/02/15 15:49	98-08-8	D3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.0**	%	0.10	0.10	1		12/03/15 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-1-3 **Lab ID: 40125405009** Collected: 11/25/15 13:45 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<125**	ug/kg	300	125	5	12/02/15 07:00	12/02/15 18:23	71-43-2	W
Ethylbenzene	**1960**	ug/kg	362	151	5	12/02/15 07:00	12/02/15 18:23	100-41-4	
Methyl-tert-butyl ether	**<125**	ug/kg	300	125	5	12/02/15 07:00	12/02/15 18:23	1634-04-4	W
Naphthalene	**6820**	ug/kg	362	151	5	12/02/15 07:00	12/02/15 18:23	91-20-3	
Toluene	**<125**	ug/kg	300	125	5	12/02/15 07:00	12/02/15 18:23	108-88-3	W
1,2,4-Trimethylbenzene	**5910**	ug/kg	362	151	5	12/02/15 07:00	12/02/15 18:23	95-63-6	
1,3,5-Trimethylbenzene	**2460**	ug/kg	362	151	5	12/02/15 07:00	12/02/15 18:23	108-67-8	
Xylene (Total)	**3840**	ug/kg	1090	452	5	12/02/15 07:00	12/02/15 18:23	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	111	%	80-120		5	12/02/15 07:00	12/02/15 18:23	98-08-8	D3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.1**	%	0.10	0.10	1		12/03/15 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-1-4 **Lab ID: 40125405010** Collected: 11/25/15 14:00 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 18:49	71-43-2	W
Ethylbenzene	**1230**	ug/kg	72.9	30.4	1	12/02/15 07:00	12/02/15 18:49	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 18:49	1634-04-4	W
Naphthalene	**911**	ug/kg	72.9	30.4	1	12/02/15 07:00	12/02/15 18:49	91-20-3	
Toluene	**50.0J**	ug/kg	72.9	30.4	1	12/02/15 07:00	12/02/15 18:49	108-88-3	
1,2,4-Trimethylbenzene	**1160**	ug/kg	72.9	30.4	1	12/02/15 07:00	12/02/15 18:49	95-63-6	
1,3,5-Trimethylbenzene	**544**	ug/kg	72.9	30.4	1	12/02/15 07:00	12/02/15 18:49	108-67-8	
Xylene (Total)	**2330**	ug/kg	219	91.1	1	12/02/15 07:00	12/02/15 18:49	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		1	12/02/15 07:00	12/02/15 18:49	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.7**	%	0.10	0.10	1		12/03/15 15:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: MEOH BLANK **Lab ID: 40125405011** Collected: 11/25/15 00:00 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 14:06	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 14:06	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 14:06	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 14:06	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 14:06	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 14:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/02/15 07:00	12/02/15 14:06	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	12/02/15 07:00	12/02/15 14:06	1330-20-7	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	12/02/15 07:00	12/02/15 14:06	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-5 **Lab ID: 40125405012** Collected: 11/25/15 14:15 Received: 12/01/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1610**	ug/L	40.0	15.8	40		12/03/15 15:04	71-43-2	
Ethylbenzene	**2470**	ug/L	40.0	15.7	40		12/03/15 15:04	100-41-4	
Methyl-tert-butyl ether	**<19.4**	ug/L	40.0	19.4	40		12/03/15 15:04	1634-04-4	
Naphthalene	**101**	ug/L	40.0	17.0	40		12/03/15 15:04	91-20-3	
Toluene	**3020**	ug/L	40.0	15.5	40		12/03/15 15:04	108-88-3	
1,2,4-Trimethylbenzene	**755**	ug/L	40.0	16.7	40		12/03/15 15:04	95-63-6	
1,3,5-Trimethylbenzene	**224**	ug/L	40.0	16.6	40		12/03/15 15:04	108-67-8	
Xylene (Total)	**9940**	ug/L	120	49.9	40		12/03/15 15:04	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		40		12/03/15 15:04	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-4 **Lab ID: 40125405013** Collected: 11/25/15 14:30 Received: 12/01/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**6810**	ug/L	100	39.6	100		12/03/15 16:47	71-43-2	
Ethylbenzene	**1950**	ug/L	100	39.3	100		12/03/15 16:47	100-41-4	
Methyl-tert-butyl ether	**<48.5**	ug/L	100	48.5	100		12/03/15 16:47	1634-04-4	
Naphthalene	**351**	ug/L	100	42.4	100		12/03/15 16:47	91-20-3	
Toluene	**7430**	ug/L	100	38.8	100		12/03/15 16:47	108-88-3	
1,2,4-Trimethylbenzene	**1630**	ug/L	100	41.8	100		12/03/15 16:47	95-63-6	
1,3,5-Trimethylbenzene	**473**	ug/L	100	41.6	100		12/03/15 16:47	108-67-8	
Xylene (Total)	**8710**	ug/L	300	125	100		12/03/15 16:47	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		100		12/03/15 16:47	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-3 **Lab ID: 40125405014** Collected: 11/25/15 14:45 Received: 12/01/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<19.8**	ug/L	50.0	19.8	50		12/03/15 17:13	71-43-2	
Ethylbenzene	**706**	ug/L	50.0	19.6	50		12/03/15 17:13	100-41-4	
Methyl-tert-butyl ether	**<24.2**	ug/L	50.0	24.2	50		12/03/15 17:13	1634-04-4	
Naphthalene	**1430**	ug/L	50.0	21.2	50		12/03/15 17:13	91-20-3	
Toluene	**84.0**	ug/L	50.0	19.4	50		12/03/15 17:13	108-88-3	
1,2,4-Trimethylbenzene	**12400**	ug/L	50.0	20.9	50		12/03/15 17:13	95-63-6	
1,3,5-Trimethylbenzene	**1110**	ug/L	50.0	20.8	50		12/03/15 17:13	108-67-8	
Xylene (Total)	**1280**	ug/L	150	62.4	50		12/03/15 17:13	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	117	%	80-120		50		12/03/15 17:13	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: TRIP BLANK **Lab ID: 40125405015** Collected: 11/25/15 00:00 Received: 12/01/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		12/03/15 19:21	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		12/03/15 19:21	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		12/03/15 19:21	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		12/03/15 19:21	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		12/03/15 19:21	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		12/03/15 19:21	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		12/03/15 19:21	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		12/03/15 19:21	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		12/03/15 19:21	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

QC Batch: GCV/15433 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40125405001, 40125405002, 40125405003, 40125405004, 40125405005, 40125405006, 40125405007, 40125405008, 40125405009, 40125405010, 40125405011

METHOD BLANK: 1267026 Matrix: Solid
Associated Lab Samples: 40125405001, 40125405002, 40125405003, 40125405004, 40125405005, 40125405006, 40125405007, 40125405008, 40125405009, 40125405010, 40125405011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	12/02/15 08:58	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	12/02/15 08:58	
Benzene	ug/kg	<25.0	50.0	12/02/15 08:58	
Ethylbenzene	ug/kg	<25.0	50.0	12/02/15 08:58	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	12/02/15 08:58	
Naphthalene	ug/kg	<25.0	50.0	12/02/15 08:58	
Toluene	ug/kg	<25.0	50.0	12/02/15 08:58	
Xylene (Total)	ug/kg	<75.0	150	12/02/15 08:58	
a,a,a-Trifluorotoluene (S)	%	102	80-120	12/02/15 08:58	

LABORATORY CONTROL SAMPLE & LCSD: 1267027 1267028

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1010	1040	101	104	80-120	2	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1010	1030	101	103	80-120	2	20	
Benzene	ug/kg	1000	1020	1060	102	106	80-120	4	20	
Ethylbenzene	ug/kg	1000	985	1000	98	100	80-120	2	20	
Methyl-tert-butyl ether	ug/kg	1000	991	1050	99	105	80-120	6	20	
Naphthalene	ug/kg	1000	1000	1070	100	107	80-120	6	20	
Toluene	ug/kg	1000	1010	1030	101	103	80-120	3	20	
Xylene (Total)	ug/kg	3000	2940	2960	98	99	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				102	104	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

QC Batch: GCV/15436 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40125405012, 40125405013, 40125405014, 40125405015

METHOD BLANK: 1267699 Matrix: Water
Associated Lab Samples: 40125405012, 40125405013, 40125405014, 40125405015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	12/03/15 09:04	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	12/03/15 09:04	
Benzene	ug/L	<0.40	1.0	12/03/15 09:04	
Ethylbenzene	ug/L	<0.39	1.0	12/03/15 09:04	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	12/03/15 09:04	
Naphthalene	ug/L	<0.42	1.0	12/03/15 09:04	
Toluene	ug/L	<0.39	1.0	12/03/15 09:04	
Xylene (Total)	ug/L	<1.2	3.0	12/03/15 09:04	
a,a,a-Trifluorotoluene (S)	%	102	80-120	12/03/15 09:04	

LABORATORY CONTROL SAMPLE & LCSD: 1267700 1267701

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.4	21.4	102	107	80-120	5	20	
1,3,5-Trimethylbenzene	ug/L	20	20.7	21.3	104	107	80-120	3	20	
Benzene	ug/L	20	21.7	21.9	109	110	80-120	1	20	
Ethylbenzene	ug/L	20	20.6	21.1	103	105	80-120	2	20	
Methyl-tert-butyl ether	ug/L	20	20.9	21.0	104	105	80-120	0	20	
Naphthalene	ug/L	20	19.4	20.1	97	100	80-120	3	20	
Toluene	ug/L	20	21.0	21.2	105	106	80-120	1	20	
Xylene (Total)	ug/L	60	61.9	64.1	103	107	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1267808 1267809

Parameter	Units	40125405012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	755	800	800	1670	1640	115	110	29-200	2	20	
1,3,5-Trimethylbenzene	ug/L	224	800	800	1110	1090	110	109	57-171	1	20	
Benzene	ug/L	1610	800	800	2450	2490	105	110	69-150	2	20	
Ethylbenzene	ug/L	2470	800	800	3300	3380	105	115	80-146	2	20	
Methyl-tert-butyl ether	ug/L	<19.4	800	800	825	820	103	103	80-120	1	20	
Naphthalene	ug/L	101	800	800	885	899	98	100	66-137	1	20	
Toluene	ug/L	3020	800	800	3830	3960	101	117	67-156	3	20	
Xylene (Total)	ug/L	9940	2400	2400	12500	12700	106	113	71-162	1	20	
a,a,a-Trifluorotoluene (S)	%						101	105	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

QC Batch: PMST/12197 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40125405001, 40125405002, 40125405003, 40125405004, 40125405005, 40125405006, 40125405007, 40125405008, 40125405009, 40125405010

SAMPLE DUPLICATE: 1268132

Parameter	Units	40125459001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.7	6.6	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40125405001	**EB-5-2**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405002	**EB-5-3**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405003	**EB-4-1**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405004	**EB-4-2**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405005	**EB-3-2**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405006	**EB-3-3**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405007	**EB-2-2**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405008	**EB-2-3**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405009	**EB-1-3**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405010	**EB-1-4**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405011	**MEOH BLANK**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405012	**EB-5**	WI MOD GRO	GCV/15436		
40125405013	**EB-4**	WI MOD GRO	GCV/15436		
40125405014	**EB-3**	WI MOD GRO	GCV/15436		
40125405015	**TRIP BLANK**	WI MOD GRO	GCV/15436		
40125405001	**EB-5-2**	ASTM D2974-87	PMST/12197		
40125405002	**EB-5-3**	ASTM D2974-87	PMST/12197		
40125405003	**EB-4-1**	ASTM D2974-87	PMST/12197		
40125405004	**EB-4-2**	ASTM D2974-87	PMST/12197		
40125405005	**EB-3-2**	ASTM D2974-87	PMST/12197		
40125405006	**EB-3-3**	ASTM D2974-87	PMST/12197		
40125405007	**EB-2-2**	ASTM D2974-87	PMST/12197		
40125405008	**EB-2-3**	ASTM D2974-87	PMST/12197		
40125405009	**EB-1-3**	ASTM D2974-87	PMST/12197		
40125405010	**EB-1-4**	ASTM D2974-87	PMST/12197		

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40125405

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Himalayan Consultants
Branch/Location:	Germantown, WI
Project Contact:	T. Dueppen
Phone:	262-502-0066
Project Number:	15016.033
Project Name:	Saxony Village
Project State:	Wisconsin
Sampled By (Print):	T. Dueppen
Sampled By (Sign):	Thomas Dueppen
PO #:	Regulatory Program: WDNR

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC + Naph.	PVOC + Naph.	LAB COMMENTS (Lab Use Only)
001	EB-5-2	11/25/15	9:45	S	N	F	X		1-40zpA, 1-40mlVF
002	EB-5-3		10:00				X		
003	EB-4-1		10:45				X		
004	EB-4-2		11:00				X		
005	EB-3-2		11:45				X		
006	EB-3-3		12:00				X		
007	EB-2-2		12:45				X		
008	EB-2-3		1:00				X		
009	EB-1-3		1:45				X		
010	EB-1-4		2:00				X		
011	EB-5	012	2:15	W				X	3-40mlVB
012	EB-4	013	2:30	W				X	
013	EB-3	014	2:45	W				X	

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	
CLIENT COMMENTS	LAB COMMENTS (Lab Use Only) / Profile #

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed: Normal Turn

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Thomas Dueppen	11/30 10:17AM	Mary Fannin	11/30/15 10:17
Mary Fannin	11/30/15 12:30		
Logistics	12.1.15 0910	Mai McKay PACE	12/1/15 0910

PACE Project No. 40125405

Receipt Temp = 12.1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

011 method Blank * added per lab. mm 12/1/15
015 trip Blank * added per lab. mm 12/1/15

1-40mlVF
2-40mlVB

ORIGINAL

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Project #: **WO# : 40125405**

40125405

Client Name: Himalayan Cons.

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CS Logistics

Tracking #:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other ziploc bag mm 12-1-15

Thermometer Used na **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2.01 /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 12-1-15
Initials: mm

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☑N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☐Yes	☑No	☐N/A	12. 003 - vial time 11:00; 005 & 006 no time on vial. mm 12/1/15
-Includes date/time/ID/Analysis Matrix: S,W				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No	☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No	☑N/A	
exceptions: VOA coliform, TOC, TOX, TOH, O&G, WIDRO, Phenolics, OTHER:	☑Yes	☐No		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	14.
Trip Blank Present:	☑Yes	☐No	☐N/A	15.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): 042015.3CCL				

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution: MeOH Blank and trip blank added to COC per lab. mm 12-1-15

Project Manager Review: JJ for DM **Date:** 12-1-15

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

December 15, 2015

Tom Dueppen
Himalayan Consultants, LLC
W156 N11357 Pilgrim Road
Germantown, WI 53022

RE: Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Dear Tom Dueppen:
Enclosed are the analytical results for sample(s) received by the laboratory on December 01, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Michelle Peed, Himalayan Consultants, LLC

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750

Dallas Certification IDs:
400 West Bethany Dr Suite 190, Allen, TX 75013
EPA# TX00074
Texas Certification #: T104704232-14-8
Texas Certification #: T104704232-15-12
Kansas Certification #: E-10388
Arkansas Certification #: 88-0647
Oklahoma Certification #: 2014-055
Louisiana Certification #: 02007

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40125403001	**EB-COMP**	Solid	11/25/15 03:30	12/01/15 09:10

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SAMPLE ANALYTE COUNT

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40125403001	**EB-COMP**	EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	10	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	19	PASI-G
		EPA 8260	LAP	13	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
		EPA 1010	DEY	1	PASI-G
		SW-846 7.3.4.2	AJJ	1	PASI-D
		EPA 9045	ALY	1	PASI-G
		EPA 9095	DEY	1	PASI-G
		SM 2710F	DEY	1	PASI-G
		SW-846 7.3.3.2	AJJ	1	PASI-D

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SUMMARY OF DETECTION

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40125403001	**EB-COMP**					
ASTM D2974-87	Percent Moisture	16.2	%	0.10	12/01/15 16:01	
EPA 1010	Flashpoint	>210	deg F		12/03/15 11:17	
EPA 9045	pH at 25 Degrees C	7.56	Std. Units	0.100	12/03/15 10:45	H6
EPA 9095	Free Liquids	Pass	no units		12/02/15 10:44	
SM 2710F	Specific Gravity	1.9	no units		12/02/15 11:19	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Sample: EB-COMP **Lab ID: 40125403001** Collected: 11/25/15 03:30 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	12674-11-2	
PCB-1221 (Aroclor 1221)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	11104-28-2	
PCB-1232 (Aroclor 1232)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	11141-16-5	
PCB-1242 (Aroclor 1242)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	53469-21-9	
PCB-1248 (Aroclor 1248)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	12672-29-6	
PCB-1254 (Aroclor 1254)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	11097-69-1	
PCB-1260 (Aroclor 1260)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	11096-82-5	
PCB, Total	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	46-130		1	12/02/15 13:00	12/03/15 18:29	877-09-8	
Decachlorobiphenyl (S)	85	%	39-130		1	12/02/15 13:00	12/03/15 18:29	2051-24-3	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 12/07/15 10:50								
Arsenic	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-38-2	
Barium	**<1.2**	mg/L	2.5	1.2	1	12/09/15 16:21	12/10/15 13:26	7440-39-3	
Cadmium	**<0.012**	mg/L	0.025	0.012	1	12/09/15 16:21	12/10/15 13:26	7440-43-9	
Chromium	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-47-3	
Copper	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-50-8	
Lead	**<0.015**	mg/L	0.038	0.015	1	12/09/15 16:21	12/10/15 13:26	7439-92-1	
Nickel	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-02-0	
Selenium	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7782-49-2	
Silver	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-22-4	
Zinc	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-66-6	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 12/07/15 11:02								
Mercury	**<0.10**	ug/L	0.20	0.10	1	12/08/15 13:45	12/09/15 10:28	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510 Leachate Method/Date: EPA 1311; 12/07/15 11:02								
1,4-Dichlorobenzene	**<19.4**	ug/L	50.0	19.4	1	12/09/15 08:00	12/09/15 15:55	106-46-7	
2,4-Dinitrotoluene	**<10**	ug/L	50.0	10	1	12/09/15 08:00	12/09/15 15:55	121-14-2	
Hexachloro-1,3-butadiene	**<18.2**	ug/L	100	18.2	1	12/09/15 08:00	12/09/15 15:55	87-68-3	
Hexachlorobenzene	**<5.7**	ug/L	50.0	5.7	1	12/09/15 08:00	12/09/15 15:55	118-74-1	
Hexachloroethane	**<14.8**	ug/L	50.0	14.8	1	12/09/15 08:00	12/09/15 15:55	67-72-1	
2-Methylphenol(o-Cresol)	**<9.6**	ug/L	50.0	9.6	1	12/09/15 08:00	12/09/15 15:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<12.8**	ug/L	50.0	12.8	1	12/09/15 08:00	12/09/15 15:55		
Nitrobenzene	**<10.3**	ug/L	50.0	10.3	1	12/09/15 08:00	12/09/15 15:55	98-95-3	
Pentachlorophenol	**<7.5**	ug/L	100	7.5	1	12/09/15 08:00	12/09/15 15:55	87-86-5	
Phenol	**<5.4**	ug/L	50.0	5.4	1	12/09/15 08:00	12/09/15 15:55	108-95-2	
Pyridine	**<14.6**	ug/L	50.0	14.6	1	12/09/15 08:00	12/09/15 15:55	110-86-1	
2,4,5-Trichlorophenol	**<7.6**	ug/L	50.0	7.6	1	12/09/15 08:00	12/09/15 15:55	95-95-4	
2,4,6-Trichlorophenol	**<10.5**	ug/L	50.0	10.5	1	12/09/15 08:00	12/09/15 15:55	88-06-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Sample: EB-COMP **Lab ID: 40125403001** Collected: 11/25/15 03:30 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510 Leachate Method/Date: EPA 1311; 12/07/15 11:02								
Surrogates									
Nitrobenzene-d5 (S)	68	%	53-130		1	12/09/15 08:00	12/09/15 15:55	4165-60-0	
2-Fluorobiphenyl (S)	74	%	50-130		1	12/09/15 08:00	12/09/15 15:55	321-60-8	
Terphenyl-d14 (S)	119	%	36-158		1	12/09/15 08:00	12/09/15 15:55	1718-51-0	
Phenol-d6 (S)	37	%	23-130		1	12/09/15 08:00	12/09/15 15:55	13127-88-3	
2-Fluorophenol (S)	49	%	36-130		1	12/09/15 08:00	12/09/15 15:55	367-12-4	
2,4,6-Tribromophenol (S)	102	%	47-139		1	12/09/15 08:00	12/09/15 15:55	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 12/02/15 12:25								
Benzene	**<5.0**	ug/L	10.0	5.0	10		12/04/15 09:05	71-43-2	
2-Butanone (MEK)	**<29.8**	ug/L	200	29.8	10		12/04/15 09:05	78-93-3	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		12/04/15 09:05	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		12/04/15 09:05	108-90-7	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		12/04/15 09:05	67-66-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		12/04/15 09:05	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		12/04/15 09:05	75-35-4	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		12/04/15 09:05	127-18-4	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		12/04/15 09:05	79-01-6	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		12/04/15 09:05	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%	70-130		10		12/04/15 09:05	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		10		12/04/15 09:05	460-00-4	
Dibromofluoromethane (S)	91	%	70-130		10		12/04/15 09:05	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.2**	%	0.10	0.10	1		12/01/15 16:01		
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>210**	deg F			1		12/03/15 11:17		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2								
Sulfide, Reactive	**<20.0**	mg/kg	60.0	20.0	1	12/04/15 12:50	12/04/15 15:13		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.56**	Std. Units	0.100	0.0100	1		12/03/15 10:45		H6
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095								
Free Liquids	**Pass**	no units			1		12/02/15 10:44		
Specific Gravity	Analytical Method: SM 2710F								
Specific Gravity	**1.9**	no units			1		12/02/15 11:19		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Sample: EB-COMP **Lab ID: 40125403001** Collected: 11/25/15 03:30 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2								
Cyanide, Reactive	**<0.20**	mg/kg	0.20	0.20	1	12/04/15 12:50	12/04/15 14:59		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: MERP/5425
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 40125403001

METHOD BLANK: 1270368 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	12/09/15 10:23	

METHOD BLANK: 1267953 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	12/09/15 11:00	

METHOD BLANK: 1269730 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.32	0.20	12/09/15 10:56	

LABORATORY CONTROL SAMPLE: 1270369

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1270370 1270371

Parameter	Units	40125403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.10	5	5	5.5	5.6	109	111	85-115	2	20	

MATRIX SPIKE SAMPLE: 1270372

Parameter	Units	40125498001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.10	5	5.7	113	85-115	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: MPRP/13030
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 40125403001

METHOD BLANK: 1271055 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.025	0.050	12/10/15 13:21	
Barium	mg/L	<0.25	0.50	12/10/15 13:21	
Cadmium	mg/L	<0.0025	0.0050	12/10/15 13:21	
Chromium	mg/L	<0.025	0.050	12/10/15 13:21	
Copper	mg/L	<0.025	0.050	12/10/15 13:21	
Lead	mg/L	<0.0030	0.0075	12/10/15 13:21	
Nickel	mg/L	<0.025	0.050	12/10/15 13:21	
Selenium	mg/L	<0.025	0.050	12/10/15 13:21	
Silver	mg/L	<0.025	0.050	12/10/15 13:21	
Zinc	mg/L	<0.025	0.050	12/10/15 13:21	

METHOD BLANK: 1269720 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.12	0.25	12/10/15 13:55	
Barium	mg/L	<1.2	2.5	12/10/15 13:55	
Cadmium	mg/L	<0.012	0.025	12/10/15 13:55	
Chromium	mg/L	<0.12	0.25	12/10/15 13:55	
Copper	mg/L	<0.12	0.25	12/10/15 13:55	
Lead	mg/L	<0.015	0.038	12/10/15 13:55	
Nickel	mg/L	<0.12	0.25	12/10/15 13:55	
Selenium	mg/L	<0.12	0.25	12/10/15 13:55	
Silver	mg/L	<0.12	0.25	12/10/15 13:55	
Zinc	mg/L	<0.12	0.25	12/10/15 13:55	

METHOD BLANK: 1270303 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.12	0.25	12/10/15 14:35	
Barium	mg/L	<1.2	2.5	12/10/15 14:35	
Cadmium	mg/L	<0.012	0.025	12/10/15 14:35	
Chromium	mg/L	<0.12	0.25	12/10/15 14:35	
Copper	mg/L	<0.12	0.25	12/10/15 14:35	
Lead	mg/L	<0.015	0.038	12/10/15 14:35	
Nickel	mg/L	<0.12	0.25	12/10/15 14:35	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

METHOD BLANK: 1270303 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Selenium	mg/L	<0.12	0.25	12/10/15 14:35	
Silver	mg/L	<0.12	0.25	12/10/15 14:35	
Zinc	mg/L	<0.12	0.25	12/10/15 14:35	

LABORATORY CONTROL SAMPLE: 1271056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	0.49	97	80-120	
Barium	mg/L	.5	0.53	105	80-120	
Cadmium	mg/L	.5	0.50	100	80-120	
Chromium	mg/L	.5	0.51	101	80-120	
Copper	mg/L	.5	0.51	102	80-120	
Lead	mg/L	.5	0.49	97	80-120	
Nickel	mg/L	.5	0.50	100	80-120	
Selenium	mg/L	.5	0.49	98	80-120	
Silver	mg/L	.25	0.24	98	80-120	
Zinc	mg/L	.5	0.52	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1271057 1271058

Parameter	Units	40125403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	<0.12	2.5	2.5	2.4	2.4	97	95	75-125	2	20	
Barium	mg/L	<1.2	2.5	2.5	2.9	2.9	101	100	75-125	2	20	
Cadmium	mg/L	<0.012	2.5	2.5	2.5	2.5	100	99	75-125	1	20	
Chromium	mg/L	<0.12	2.5	2.5	2.5	2.4	99	96	75-125	3	20	
Copper	mg/L	<0.12	2.5	2.5	2.5	2.4	100	97	75-125	3	20	
Lead	mg/L	<0.015	2.5	2.5	2.4	2.3	96	94	75-125	2	20	
Nickel	mg/L	<0.12	2.5	2.5	2.5	2.4	98	97	75-125	1	20	
Selenium	mg/L	<0.12	2.5	2.5	2.5	2.4	99	97	75-125	1	20	
Silver	mg/L	<0.12	1.2	1.2	1.2	1.2	99	97	75-125	3	20	
Zinc	mg/L	<0.12	2.5	2.5	2.5	2.5	101	98	75-125	2	20	

MATRIX SPIKE SAMPLE: 1271059

Parameter	Units	40125498001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	<0.12	2.5	2.3	94	75-125	
Barium	mg/L	<1.2	2.5	3.2	100	75-125	
Cadmium	mg/L	0.83	2.5	3.3	98	75-125	
Chromium	mg/L	<0.12	2.5	2.5	98	75-125	
Copper	mg/L	<0.12	2.5	2.6	99	75-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

MATRIX SPIKE SAMPLE: 1271059

Parameter	Units	40125498001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	<0.015	2.5	2.3	93	75-125	
Nickel	mg/L	<0.12	2.5	2.4	96	75-125	
Selenium	mg/L	<0.12	2.5	2.4	96	75-125	
Silver	mg/L	<0.12	1.2	1.2	96	75-125	

MATRIX SPIKE SAMPLE: 1271060

Parameter	Units	40125570002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	<0.12	2.5	2.3	93	75-125	
Barium	mg/L	<1.2	2.5	3.4	98	75-125	
Cadmium	mg/L	0.090	2.5	2.5	96	75-125	
Chromium	mg/L	<0.12	2.5	2.4	95	75-125	
Copper	mg/L	0.27	2.5	2.6	95	75-125	
Lead	mg/L	0.43	2.5	2.7	92	75-125	
Nickel	mg/L	0.21J	2.5	2.6	95	75-125	
Selenium	mg/L	<0.12	2.5	2.4	94	75-125	
Silver	mg/L	<0.12	1.2	1.2	93	75-125	
Zinc	mg/L	35.9	2.5	37.8	76	75-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: MSV/31507
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 40125403001

METHOD BLANK: 1267954 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	<0.41	1.0	12/04/15 07:16	
1,2-Dichloroethane	ug/L	<0.17	1.0	12/04/15 07:16	
2-Butanone (MEK)	ug/L	<3.0	20.0	12/04/15 07:16	
Benzene	ug/L	<0.50	1.0	12/04/15 07:16	
Carbon tetrachloride	ug/L	<0.50	1.0	12/04/15 07:16	
Chlorobenzene	ug/L	<0.50	1.0	12/04/15 07:16	
Chloroform	ug/L	<2.5	5.0	12/04/15 07:16	
Tetrachloroethene	ug/L	<0.50	1.0	12/04/15 07:16	
Trichloroethene	ug/L	<0.33	1.0	12/04/15 07:16	
Vinyl chloride	ug/L	<0.18	1.0	12/04/15 07:16	
4-Bromofluorobenzene (S)	%	88	70-130	12/04/15 07:16	
Dibromofluoromethane (S)	%	89	70-130	12/04/15 07:16	
Toluene-d8 (S)	%	94	70-130	12/04/15 07:16	

METHOD BLANK: 1267353 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	<4.1	10.0	12/04/15 09:27	
1,2-Dichloroethane	ug/L	<1.7	10.0	12/04/15 09:27	
2-Butanone (MEK)	ug/L	<29.8	200	12/04/15 09:27	
Benzene	ug/L	<5.0	10.0	12/04/15 09:27	
Carbon tetrachloride	ug/L	<5.0	10.0	12/04/15 09:27	
Chlorobenzene	ug/L	<5.0	10.0	12/04/15 09:27	
Chloroform	ug/L	<25.0	50.0	12/04/15 09:27	
Tetrachloroethene	ug/L	<5.0	10.0	12/04/15 09:27	
Trichloroethene	ug/L	<3.3	10.0	12/04/15 09:27	
Vinyl chloride	ug/L	<1.8	10.0	12/04/15 09:27	
4-Bromofluorobenzene (S)	%	88	70-130	12/04/15 09:27	
Dibromofluoromethane (S)	%	90	70-130	12/04/15 09:27	
Toluene-d8 (S)	%	93	70-130	12/04/15 09:27	

LABORATORY CONTROL SAMPLE: 1267955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	53.6	107	70-130	
1,2-Dichloroethane	ug/L	50	44.8	90	70-131	
Benzene	ug/L	50	46.5	93	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

LABORATORY CONTROL SAMPLE: 1267955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	59.6	119	70-130	
Chlorobenzene	ug/L	50	54.4	109	70-130	
Chloroform	ug/L	50	51.2	102	70-130	
Tetrachloroethene	ug/L	50	62.7	125	70-130	
Trichloroethene	ug/L	50	57.1	114	70-130	
Vinyl chloride	ug/L	50	42.5	85	65-142	
4-Bromofluorobenzene (S)	%			95	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			92	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1268107 1268108

Parameter	Units	40124907001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	<4.1	500	500	601	527	120	105	70-139	13	20	H1
1,2-Dichloroethane	ug/L	<1.7	500	500	459	438	92	88	70-132	5	20	H1
Benzene	ug/L	<5.0	500	500	484	449	97	90	70-130	8	20	H1
Carbon tetrachloride	ug/L	<5.0	500	500	663	567	133	113	70-130	16	20	H1,M1
Chlorobenzene	ug/L	<5.0	500	500	567	527	113	105	70-130	7	20	H1
Chloroform	ug/L	<25.0	500	500	523	492	105	98	70-130	6	20	H1
Tetrachloroethene	ug/L	<5.0	500	500	684	596	137	119	70-130	14	20	H1,M1
Trichloroethene	ug/L	<3.3	500	500	604	550	121	110	70-130	9	20	H1
Vinyl chloride	ug/L	<1.8	500	500	512	442	102	88	60-155	15	20	H1
4-Bromofluorobenzene (S)	%						96	95	70-130			
Dibromofluoromethane (S)	%						95	94	70-130			
Toluene-d8 (S)	%						93	93	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: OEXT/28992 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40125403001

METHOD BLANK: 1267366 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	12/03/15 11:10	
Decachlorobiphenyl (S)	%	92	39-130	12/03/15 11:10	
Tetrachloro-m-xylene (S)	%	87	46-130	12/03/15 11:10	

LABORATORY CONTROL SAMPLE: 1267367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	347	69	63-130	
Decachlorobiphenyl (S)	%			90	39-130	
Tetrachloro-m-xylene (S)	%			85	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1267368 1267369

Parameter	Units	40125437007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1221 (Aroclor 1221)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1232 (Aroclor 1232)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1242 (Aroclor 1242)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1248 (Aroclor 1248)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1254 (Aroclor 1254)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1260 (Aroclor 1260)	ug/kg	<29.9	598	598	783	417	131	70	38-130	61	20	M1,R1
Decachlorobiphenyl (S)	%						78	81	39-130			
Tetrachloro-m-xylene (S)	%						87	87	46-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: OEXT/29106
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 40125403001

METHOD BLANK: 1270580 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	<3.9	10.0	12/09/15 14:15	
2,4,5-Trichlorophenol	ug/L	<1.5	10.0	12/09/15 14:15	
2,4,6-Trichlorophenol	ug/L	<2.1	10.0	12/09/15 14:15	
2,4-Dinitrotoluene	ug/L	<2.0	10.0	12/09/15 14:15	
2-Methylphenol(o-Cresol)	ug/L	<1.9	10.0	12/09/15 14:15	
3&4-Methylphenol(m&p Cresol)	ug/L	<2.6	10.0	12/09/15 14:15	
Hexachloro-1,3-butadiene	ug/L	<3.6	20.0	12/09/15 14:15	
Hexachlorobenzene	ug/L	<1.1	10.0	12/09/15 14:15	
Hexachloroethane	ug/L	<3.0	10.0	12/09/15 14:15	
Nitrobenzene	ug/L	<2.1	10.0	12/09/15 14:15	
Pentachlorophenol	ug/L	<1.5	20.0	12/09/15 14:15	
Phenol	ug/L	<1.1	10.0	12/09/15 14:15	
Pyridine	ug/L	<2.9	10.0	12/09/15 14:15	
2,4,6-Tribromophenol (S)	%	99	47-139	12/09/15 14:15	
2-Fluorobiphenyl (S)	%	80	50-130	12/09/15 14:15	
Nitrobenzene-d5 (S)	%	64	53-130	12/09/15 14:15	
Phenol-d6 (S)	%	34	23-130	12/09/15 14:15	

METHOD BLANK: 1269731 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	<19.4	50.0	12/09/15 17:35	
2,4,5-Trichlorophenol	ug/L	<7.6	50.0	12/09/15 17:35	
2,4,6-Trichlorophenol	ug/L	<10.5	50.0	12/09/15 17:35	
2,4-Dinitrotoluene	ug/L	<10	50.0	12/09/15 17:35	
2-Methylphenol(o-Cresol)	ug/L	<9.6	50.0	12/09/15 17:35	
3&4-Methylphenol(m&p Cresol)	ug/L	<12.8	50.0	12/09/15 17:35	
Hexachloro-1,3-butadiene	ug/L	<18.2	100	12/09/15 17:35	
Hexachlorobenzene	ug/L	<5.7	50.0	12/09/15 17:35	
Hexachloroethane	ug/L	<14.8	50.0	12/09/15 17:35	
Nitrobenzene	ug/L	<10.3	50.0	12/09/15 17:35	
Pentachlorophenol	ug/L	<7.5	100	12/09/15 17:35	
Phenol	ug/L	<5.4	50.0	12/09/15 17:35	
Pyridine	ug/L	<14.6	50.0	12/09/15 17:35	
2,4,6-Tribromophenol (S)	%	98	47-139	12/09/15 17:35	
2-Fluorobiphenyl (S)	%	49	50-130	12/09/15 17:35	S0
Nitrobenzene-d5 (S)	%	48	53-130	12/09/15 17:35	S0
Phenol-d6 (S)	%	30	23-130	12/09/15 17:35	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

LABORATORY CONTROL SAMPLE: 1270581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	41.6	83	53-130	
2,4,5-Trichlorophenol	ug/L	50	51.1	102	70-130	
2,4,6-Trichlorophenol	ug/L	50	49.9	100	70-130	
2,4-Dinitrotoluene	ug/L	50	47.8	96	65-138	
2-Methylphenol(o-Cresol)	ug/L	50	45.4	91	55-130	
3&4-Methylphenol(m&p Cresol)	ug/L	50	39.3	79	46-130	
Hexachloro-1,3-butadiene	ug/L	50	41.3	83	57-130	
Hexachlorobenzene	ug/L	50	56.7	113	69-130	
Hexachloroethane	ug/L	50	43.8	88	46-130	
Nitrobenzene	ug/L	50	38.8	78	66-136	
Pentachlorophenol	ug/L	50	52.2	104	38-130	
Phenol	ug/L	50	20.8	42	28-130	
Pyridine	ug/L	50	9.8J	20	10-130	
2,4,6-Tribromophenol (S)	%			94	47-139	
2-Fluorobiphenyl (S)	%			80	50-130	
Nitrobenzene-d5 (S)	%			64	53-130	
Phenol-d6 (S)	%			36	23-130	

MATRIX SPIKE SAMPLE: 1270582

Parameter	Units	40125403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	<19.4	250	207	83	38-130	
2,4,5-Trichlorophenol	ug/L	<7.6	250	233	93	63-130	
2,4,6-Trichlorophenol	ug/L	<10.5	250	230	92	60-130	
2,4-Dinitrotoluene	ug/L	<10	250	234	93	52-152	
2-Methylphenol(o-Cresol)	ug/L	<9.6	250	196	79	28-130	
3&4-Methylphenol(m&p Cresol)	ug/L	<12.8	250	171	69	25-130	
Hexachloro-1,3-butadiene	ug/L	<18.2	250	197	79	47-130	
Hexachlorobenzene	ug/L	<5.7	250	269	108	63-134	
Hexachloroethane	ug/L	<14.8	250	222	89	37-130	
Nitrobenzene	ug/L	<10.3	250	190	76	66-130	
Pentachlorophenol	ug/L	<7.5	250	259	104	16-158	
Phenol	ug/L	<5.4	250	102	41	20-130	
Pyridine	ug/L	<14.6	250	97.2	39	10-130	
2,4,6-Tribromophenol (S)	%				90	47-139	
2-Fluorobiphenyl (S)	%				78	50-130	
Nitrobenzene-d5 (S)	%				69	53-130	
Phenol-d6 (S)	%				38	23-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: PMST/12189
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40125403001

SAMPLE DUPLICATE: 1266971

Parameter	Units	40125396001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.1	6.1	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WET/23941
QC Batch Method: EPA 1010
Analysis Method: EPA 1010
Analysis Description: 1010 Flash Point, Closed Cup
Associated Lab Samples: 40125403001

LABORATORY CONTROL SAMPLE: 1267819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Flashpoint	deg F		80.0			

SAMPLE DUPLICATE: 1268122

Parameter	Units	40125402001 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	>210	>210			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WET/8413
QC Batch Method: SW-846 7.3.4.2
Analysis Method: SW-846 7.3.4.2
Analysis Description: Reactive Sulfide
Associated Lab Samples: 40125403001

METHOD BLANK: 184842 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	<20.0	60.0	12/04/15 15:09	

SAMPLE DUPLICATE: 184843

Parameter	Units	40125403001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	<20.0	<20.0		20	

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WET/23944
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: 9045 pH
Associated Lab Samples: 40125403001

SAMPLE DUPLICATE: 1268043

Parameter	Units	40125403001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.56	7.59	0	5	

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WET/23931
QC Batch Method: EPA 9095
Analysis Method: EPA 9095
Analysis Description: 9095 PAINT FILTER LIQUID TEST
Associated Lab Samples: 40125403001

SAMPLE DUPLICATE: 1267184

Parameter	Units	40125402001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids	no units	Pass	Pass			

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WET/23932
QC Batch Method: SM 2710F
Analysis Method: SM 2710F
Analysis Description: Spec.Gravity
Associated Lab Samples: 40125403001

SAMPLE DUPLICATE: 1267233

Parameter	Units	40125403001 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Gravity	no units	1.9	1.9	0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WETA/9840
QC Batch Method: SW-846 7.3.3.2
Analysis Method: SW-846 7.3.3.2
Analysis Description: 733C Reactive Cyanide
Associated Lab Samples: 40125403001

METHOD BLANK: 184845 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	<0.20	0.20	12/04/15 14:58	

SAMPLE DUPLICATE: 184846

Parameter	Units	40125403001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	<0.20	<0.20		30	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-D	Pace Analytical Services - Dallas
PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

H1	Analysis conducted outside the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40125403001	**EB-COMP**	EPA 3541	OEXT/28992	EPA 8082	GCSV/13815
40125403001	**EB-COMP**	EPA 3010	MPRP/13030	EPA 6010	ICP/11567
40125403001	**EB-COMP**	EPA 7470	MERP/5425	EPA 7470	MERC/7542
40125403001	**EB-COMP**	EPA 3510	OEXT/29106	EPA 8270	MSSV/8575
40125403001	**EB-COMP**	EPA 8260	MSV/31507		
40125403001	**EB-COMP**	ASTM D2974-87	PMST/12189		
40125403001	**EB-COMP**	EPA 1010	WET/23941		
40125403001	**EB-COMP**	SW-846 7.3.4.2	WET/8413	SW-846 7.3.4.2	WET/8414
40125403001	**EB-COMP**	EPA 9045	WET/23944		
40125403001	**EB-COMP**	EPA 9095	WET/23931		
40125403001	**EB-COMP**	SM 2710F	WET/23932		
40125403001	**EB-COMP**	SW-846 7.3.3.2	WETA/9840	SW-846 7.3.3.2	WETA/9843

SKW

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

COC No. 40125403

Pace Analytical®
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CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Himalayan Consultants
Branch/Location:	Germantown, WI
Project Contact:	Thomas Dueppen
Phone:	262-502-0066
Project Number:	15016.033
Project Name:	Saxony Village
Project State:	WI
Sampled By (Print):	Thomas Dueppen
Sampled By (Sign):	Thomas Dueppen
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Thomas Dueppen
Mail To Company:	Himalayan Consultants
Mail To Address:	W156 N11357 Pilgrim Road, Germantown WI 53022
Invoice To Contact:	Samira Adhikary
Invoice To Company:	Same
Invoice To Address:	Same
Invoice To Phone:	262-502-0066

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

FILTERED? (YES/NO) PRESERVATION (CODE)*

Analyses Requested

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Protocol B	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	EB-COMP	1/25/201	3:30	S	N	A	X	5 Day Turn	5-40zag A	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	tdueppen@himalayanllc.com
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Thomas Dueppen	11/30/2015 10:17AM	Mary Fannin	11/30/15 10:17
Mary Fannin	11/30/15 1230		
CS Logistics	12-1-15 0910	Marinckrypace	12/1/15 0910

PACE Project No.
40125403

Receipt Temp = 2.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal (Present) / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Project #: **WO# : 40125403**

40125403

Client Name: Himalayan Cons.

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CS Logistics

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other ziploc bag mm 12-1-15

Thermometer Used DA

Type of Ice: (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2.01 /Corr: _____

Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 12-1-15
Initials: mm

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6. 5 day TAT mm 12.1.15
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. Date on samples 11-25-15 mm 12.1.15
-Includes date/time/ID/Analysis Matrix: S		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes ☑No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14.
Trip Blank Present:	☐Yes ☐No ☑N/A	15.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: MMH for DM **Date:** 12/1/15

F-GB-C-031-Rev.03 (9April2015) SCUR Form

APPENDIX C

WASTE PROFILE FORM / MMSD NOI FORM

Advanced Disposal

Special Waste Profile Sheet

PROFILE #	
Original submittal Recertification	☐ ☐
One time project	☐

Designated Facility: Advanced Disposal Emerald Park Landfill Sales Representative: Scott Kleinhans

A. Generator

Name: MCB Investments,LLC&Land15,LLC
Site Address: W178N9912 Rivercrest Dr., 101
City, State, Zip: Germantown, WI 53022
Contact: Scott J. Bence
Phone: 262-255-1800
~~Fax~~ email: scott@jbjcompanies.com

B. Billing

Name: (same as generator)
Address:
City, State, Zip:
Contact:
Phone:

C. Description of Waste

Name of Waste: Petroleum Impacted Soil
Process Generating Waste: Petroleum Bulk Tanks

Estimated Volume: 2,200 cu. yds.
Frequency: One month period
Physical State: solid Color: brown Free Liquids: PASS
Flash Point (°F): >210 pH: 7.56 Total Solids: 83.8%

D. Other Waste Data or Comments

E. Sample Information

Check all that apply:

☐ Sample submitted with profile ☑ Laboratory Analysis submitted ☐ Material Safety Data Sheet Submitted

Laboratory Name: PACE Analytical Sample Date: 11/25/2015 Sample I.D.: EB-COMP

F. Generator Certifications

1. This waste is not a hazardous waste as defined in Wisconsin Administrative Code NR 661 or 40 CFR 261.
2. This waste does not contain regulated quantities of PCB's.
3. This waste does not contain regulated quantities of herbicides or pesticides.
4. This waste does not contain regulated quantities of F500 solvents as specified in Wisconsin Administrative Code NR 605.
5. This waste does not contain infectious wastes as defined in Wisconsin Administrative Code NR 526.
6. All information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 and was obtained by using this or an equivalent sampling method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

Generator's Signature: Brian Bence, Tr. II Title: Trustee

Print Name: Brian Bence, Trustee, JBSI Irrev. Tr. II, Member; Theresa M. Weitermann, Trustee, Woodburn, LLC, Member Date: 1-14-16

G. Landfill Approval

My approval is based upon the laboratory analysis of a representative sample and/or material safety data sheets submitted by the generator.

Landfill Signature: _____ Date: _____
Approvals Signature: _____ Date: _____
Waste Category: _____ Analytical Protocol: _____ Disposal Operation: _____ Recert. Date: _____

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750

Dallas Certification IDs:
400 West Bethany Dr Suite 190, Allen, TX 75013
EPA# TX00074
Texas Certification #: T104704232-14-8
Texas Certification #: T104704232-15-12
Kansas Certification #: E-10388
Arkansas Certification #: 88-0647
Oklahoma Certification #: 2014-055
Louisiana Certification #: 02007

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40125403001	**EB-COMP**	Solid	11/25/15 03:30	12/01/15 09:10

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SAMPLE ANALYTE COUNT

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40125403001	**EB-COMP**	EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	10	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	19	PASI-G
		EPA 8260	LAP	13	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
		EPA 1010	DEY	1	PASI-G
		SW-846 7.3.4.2	AJJ	1	PASI-D
		EPA 9045	ALY	1	PASI-G
		EPA 9095	DEY	1	PASI-G
		SM 2710F	DEY	1	PASI-G
		SW-846 7.3.3.2	AJJ	1	PASI-D

Pace Analytical Services, Inc.
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SUMMARY OF DETECTION

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40125403001	**EB-COMP**					
ASTM D2974-87	Percent Moisture	16.2	%	0.10	12/01/15 16:01	
EPA 1010	Flashpoint	>210	deg F		12/03/15 11:17	
EPA 9045	pH at 25 Degrees C	7.56	Std. Units	0.100	12/03/15 10:45	H6
EPA 9095	Free Liquids	Pass	no units		12/02/15 10:44	
SM 2710F	Specific Gravity	1.9	no units		12/02/15 11:19	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Sample: EB-COMP **Lab ID: 40125403001** Collected: 11/25/15 03:30 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	12674-11-2	
PCB-1221 (Aroclor 1221)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	11104-28-2	
PCB-1232 (Aroclor 1232)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	11141-16-5	
PCB-1242 (Aroclor 1242)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	53469-21-9	
PCB-1248 (Aroclor 1248)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	12672-29-6	
PCB-1254 (Aroclor 1254)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	11097-69-1	
PCB-1260 (Aroclor 1260)	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	11096-82-5	
PCB, Total	**<29.8**	ug/kg	59.7	29.8	1	12/02/15 13:00	12/03/15 18:29	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	46-130		1	12/02/15 13:00	12/03/15 18:29	877-09-8	
Decachlorobiphenyl (S)	85	%	39-130		1	12/02/15 13:00	12/03/15 18:29	2051-24-3	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 12/07/15 10:50								
Arsenic	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-38-2	
Barium	**<1.2**	mg/L	2.5	1.2	1	12/09/15 16:21	12/10/15 13:26	7440-39-3	
Cadmium	**<0.012**	mg/L	0.025	0.012	1	12/09/15 16:21	12/10/15 13:26	7440-43-9	
Chromium	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-47-3	
Copper	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-50-8	
Lead	**<0.015**	mg/L	0.038	0.015	1	12/09/15 16:21	12/10/15 13:26	7439-92-1	
Nickel	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-02-0	
Selenium	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7782-49-2	
Silver	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-22-4	
Zinc	**<0.12**	mg/L	0.25	0.12	1	12/09/15 16:21	12/10/15 13:26	7440-66-6	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Leachate Method/Date: EPA 1311; 12/07/15 11:02								
Mercury	**<0.10**	ug/L	0.20	0.10	1	12/08/15 13:45	12/09/15 10:28	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510 Leachate Method/Date: EPA 1311; 12/07/15 11:02								
1,4-Dichlorobenzene	**<19.4**	ug/L	50.0	19.4	1	12/09/15 08:00	12/09/15 15:55	106-46-7	
2,4-Dinitrotoluene	**<10**	ug/L	50.0	10	1	12/09/15 08:00	12/09/15 15:55	121-14-2	
Hexachloro-1,3-butadiene	**<18.2**	ug/L	100	18.2	1	12/09/15 08:00	12/09/15 15:55	87-68-3	
Hexachlorobenzene	**<5.7**	ug/L	50.0	5.7	1	12/09/15 08:00	12/09/15 15:55	118-74-1	
Hexachloroethane	**<14.8**	ug/L	50.0	14.8	1	12/09/15 08:00	12/09/15 15:55	67-72-1	
2-Methylphenol(o-Cresol)	**<9.6**	ug/L	50.0	9.6	1	12/09/15 08:00	12/09/15 15:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<12.8**	ug/L	50.0	12.8	1	12/09/15 08:00	12/09/15 15:55		
Nitrobenzene	**<10.3**	ug/L	50.0	10.3	1	12/09/15 08:00	12/09/15 15:55	98-95-3	
Pentachlorophenol	**<7.5**	ug/L	100	7.5	1	12/09/15 08:00	12/09/15 15:55	87-86-5	
Phenol	**<5.4**	ug/L	50.0	5.4	1	12/09/15 08:00	12/09/15 15:55	108-95-2	
Pyridine	**<14.6**	ug/L	50.0	14.6	1	12/09/15 08:00	12/09/15 15:55	110-86-1	
2,4,5-Trichlorophenol	**<7.6**	ug/L	50.0	7.6	1	12/09/15 08:00	12/09/15 15:55	95-95-4	
2,4,6-Trichlorophenol	**<10.5**	ug/L	50.0	10.5	1	12/09/15 08:00	12/09/15 15:55	88-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Sample: EB-COMP **Lab ID: 40125403001** Collected: 11/25/15 03:30 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510 Leachate Method/Date: EPA 1311; 12/07/15 11:02								
Surrogates									
Nitrobenzene-d5 (S)	68	%	53-130		1	12/09/15 08:00	12/09/15 15:55	4165-60-0	
2-Fluorobiphenyl (S)	74	%	50-130		1	12/09/15 08:00	12/09/15 15:55	321-60-8	
Terphenyl-d14 (S)	119	%	36-158		1	12/09/15 08:00	12/09/15 15:55	1718-51-0	
Phenol-d6 (S)	37	%	23-130		1	12/09/15 08:00	12/09/15 15:55	13127-88-3	
2-Fluorophenol (S)	49	%	36-130		1	12/09/15 08:00	12/09/15 15:55	367-12-4	
2,4,6-Tribromophenol (S)	102	%	47-139		1	12/09/15 08:00	12/09/15 15:55	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 12/02/15 12:25								
Benzene	**<5.0**	ug/L	10.0	5.0	10		12/04/15 09:05	71-43-2	
2-Butanone (MEK)	**<29.8**	ug/L	200	29.8	10		12/04/15 09:05	78-93-3	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		12/04/15 09:05	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		12/04/15 09:05	108-90-7	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		12/04/15 09:05	67-66-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		12/04/15 09:05	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		12/04/15 09:05	75-35-4	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		12/04/15 09:05	127-18-4	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		12/04/15 09:05	79-01-6	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		12/04/15 09:05	75-01-4	
Surrogates									
Toluene-d8 (S)	93	%	70-130		10		12/04/15 09:05	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		10		12/04/15 09:05	460-00-4	
Dibromofluoromethane (S)	91	%	70-130		10		12/04/15 09:05	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.2**	%	0.10	0.10	1		12/01/15 16:01		
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>210**	deg F			1		12/03/15 11:17		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2								
Sulfide, Reactive	**<20.0**	mg/kg	60.0	20.0	1	12/04/15 12:50	12/04/15 15:13		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.56**	Std. Units	0.100	0.0100	1		12/03/15 10:45		H6
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095								
Free Liquids	**Pass**	no units			1		12/02/15 10:44		
Specific Gravity	Analytical Method: SM 2710F								
Specific Gravity	**1.9**	no units			1		12/02/15 11:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Sample: EB-COMP **Lab ID: 40125403001** Collected: 11/25/15 03:30 Received: 12/01/15 09:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2								
Cyanide, Reactive	**<0.20**	mg/kg	0.20	0.20	1	12/04/15 12:50	12/04/15 14:59		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: MERP/5425
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 40125403001

METHOD BLANK: 1270368 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	12/09/15 10:23	

METHOD BLANK: 1267953 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	12/09/15 11:00	

METHOD BLANK: 1269730 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.32	0.20	12/09/15 10:56	

LABORATORY CONTROL SAMPLE: 1270369

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1270370 1270371

Parameter	Units	40125403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.10	5	5	5.5	5.6	109	111	85-115	2	20	

MATRIX SPIKE SAMPLE: 1270372

Parameter	Units	40125498001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.10	5	5.7	113	85-115	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: MPRP/13030
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 40125403001

METHOD BLANK: 1271055 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.025	0.050	12/10/15 13:21	
Barium	mg/L	<0.25	0.50	12/10/15 13:21	
Cadmium	mg/L	<0.0025	0.0050	12/10/15 13:21	
Chromium	mg/L	<0.025	0.050	12/10/15 13:21	
Copper	mg/L	<0.025	0.050	12/10/15 13:21	
Lead	mg/L	<0.0030	0.0075	12/10/15 13:21	
Nickel	mg/L	<0.025	0.050	12/10/15 13:21	
Selenium	mg/L	<0.025	0.050	12/10/15 13:21	
Silver	mg/L	<0.025	0.050	12/10/15 13:21	
Zinc	mg/L	<0.025	0.050	12/10/15 13:21	

METHOD BLANK: 1269720 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.12	0.25	12/10/15 13:55	
Barium	mg/L	<1.2	2.5	12/10/15 13:55	
Cadmium	mg/L	<0.012	0.025	12/10/15 13:55	
Chromium	mg/L	<0.12	0.25	12/10/15 13:55	
Copper	mg/L	<0.12	0.25	12/10/15 13:55	
Lead	mg/L	<0.015	0.038	12/10/15 13:55	
Nickel	mg/L	<0.12	0.25	12/10/15 13:55	
Selenium	mg/L	<0.12	0.25	12/10/15 13:55	
Silver	mg/L	<0.12	0.25	12/10/15 13:55	
Zinc	mg/L	<0.12	0.25	12/10/15 13:55	

METHOD BLANK: 1270303 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.12	0.25	12/10/15 14:35	
Barium	mg/L	<1.2	2.5	12/10/15 14:35	
Cadmium	mg/L	<0.012	0.025	12/10/15 14:35	
Chromium	mg/L	<0.12	0.25	12/10/15 14:35	
Copper	mg/L	<0.12	0.25	12/10/15 14:35	
Lead	mg/L	<0.015	0.038	12/10/15 14:35	
Nickel	mg/L	<0.12	0.25	12/10/15 14:35	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

METHOD BLANK: 1270303 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Selenium	mg/L	<0.12	0.25	12/10/15 14:35	
Silver	mg/L	<0.12	0.25	12/10/15 14:35	
Zinc	mg/L	<0.12	0.25	12/10/15 14:35	

LABORATORY CONTROL SAMPLE: 1271056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	0.49	97	80-120	
Barium	mg/L	.5	0.53	105	80-120	
Cadmium	mg/L	.5	0.50	100	80-120	
Chromium	mg/L	.5	0.51	101	80-120	
Copper	mg/L	.5	0.51	102	80-120	
Lead	mg/L	.5	0.49	97	80-120	
Nickel	mg/L	.5	0.50	100	80-120	
Selenium	mg/L	.5	0.49	98	80-120	
Silver	mg/L	.25	0.24	98	80-120	
Zinc	mg/L	.5	0.52	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1271057 1271058

Parameter	Units	40125403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	<0.12	2.5	2.5	2.4	2.4	97	95	75-125	2	20	
Barium	mg/L	<1.2	2.5	2.5	2.9	2.9	101	100	75-125	2	20	
Cadmium	mg/L	<0.012	2.5	2.5	2.5	2.5	100	99	75-125	1	20	
Chromium	mg/L	<0.12	2.5	2.5	2.5	2.4	99	96	75-125	3	20	
Copper	mg/L	<0.12	2.5	2.5	2.5	2.4	100	97	75-125	3	20	
Lead	mg/L	<0.015	2.5	2.5	2.4	2.3	96	94	75-125	2	20	
Nickel	mg/L	<0.12	2.5	2.5	2.5	2.4	98	97	75-125	1	20	
Selenium	mg/L	<0.12	2.5	2.5	2.5	2.4	99	97	75-125	1	20	
Silver	mg/L	<0.12	1.2	1.2	1.2	1.2	99	97	75-125	3	20	
Zinc	mg/L	<0.12	2.5	2.5	2.5	2.5	101	98	75-125	2	20	

MATRIX SPIKE SAMPLE: 1271059

Parameter	Units	40125498001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	<0.12	2.5	2.3	94	75-125	
Barium	mg/L	<1.2	2.5	3.2	100	75-125	
Cadmium	mg/L	0.83	2.5	3.3	98	75-125	
Chromium	mg/L	<0.12	2.5	2.5	98	75-125	
Copper	mg/L	<0.12	2.5	2.6	99	75-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

MATRIX SPIKE SAMPLE: 1271059

Parameter	Units	40125498001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	<0.015	2.5	2.3	93	75-125	
Nickel	mg/L	<0.12	2.5	2.4	96	75-125	
Selenium	mg/L	<0.12	2.5	2.4	96	75-125	
Silver	mg/L	<0.12	1.2	1.2	96	75-125	

MATRIX SPIKE SAMPLE: 1271060

Parameter	Units	40125570002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	<0.12	2.5	2.3	93	75-125	
Barium	mg/L	<1.2	2.5	3.4	98	75-125	
Cadmium	mg/L	0.090	2.5	2.5	96	75-125	
Chromium	mg/L	<0.12	2.5	2.4	95	75-125	
Copper	mg/L	0.27	2.5	2.6	95	75-125	
Lead	mg/L	0.43	2.5	2.7	92	75-125	
Nickel	mg/L	0.21J	2.5	2.6	95	75-125	
Selenium	mg/L	<0.12	2.5	2.4	94	75-125	
Silver	mg/L	<0.12	1.2	1.2	93	75-125	
Zinc	mg/L	35.9	2.5	37.8	76	75-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: MSV/31507
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 40125403001

METHOD BLANK: 1267954 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	<0.41	1.0	12/04/15 07:16	
1,2-Dichloroethane	ug/L	<0.17	1.0	12/04/15 07:16	
2-Butanone (MEK)	ug/L	<3.0	20.0	12/04/15 07:16	
Benzene	ug/L	<0.50	1.0	12/04/15 07:16	
Carbon tetrachloride	ug/L	<0.50	1.0	12/04/15 07:16	
Chlorobenzene	ug/L	<0.50	1.0	12/04/15 07:16	
Chloroform	ug/L	<2.5	5.0	12/04/15 07:16	
Tetrachloroethene	ug/L	<0.50	1.0	12/04/15 07:16	
Trichloroethene	ug/L	<0.33	1.0	12/04/15 07:16	
Vinyl chloride	ug/L	<0.18	1.0	12/04/15 07:16	
4-Bromofluorobenzene (S)	%	88	70-130	12/04/15 07:16	
Dibromofluoromethane (S)	%	89	70-130	12/04/15 07:16	
Toluene-d8 (S)	%	94	70-130	12/04/15 07:16	

METHOD BLANK: 1267353 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	<4.1	10.0	12/04/15 09:27	
1,2-Dichloroethane	ug/L	<1.7	10.0	12/04/15 09:27	
2-Butanone (MEK)	ug/L	<29.8	200	12/04/15 09:27	
Benzene	ug/L	<5.0	10.0	12/04/15 09:27	
Carbon tetrachloride	ug/L	<5.0	10.0	12/04/15 09:27	
Chlorobenzene	ug/L	<5.0	10.0	12/04/15 09:27	
Chloroform	ug/L	<25.0	50.0	12/04/15 09:27	
Tetrachloroethene	ug/L	<5.0	10.0	12/04/15 09:27	
Trichloroethene	ug/L	<3.3	10.0	12/04/15 09:27	
Vinyl chloride	ug/L	<1.8	10.0	12/04/15 09:27	
4-Bromofluorobenzene (S)	%	88	70-130	12/04/15 09:27	
Dibromofluoromethane (S)	%	90	70-130	12/04/15 09:27	
Toluene-d8 (S)	%	93	70-130	12/04/15 09:27	

LABORATORY CONTROL SAMPLE: 1267955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	53.6	107	70-130	
1,2-Dichloroethane	ug/L	50	44.8	90	70-131	
Benzene	ug/L	50	46.5	93	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

LABORATORY CONTROL SAMPLE: 1267955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	59.6	119	70-130	
Chlorobenzene	ug/L	50	54.4	109	70-130	
Chloroform	ug/L	50	51.2	102	70-130	
Tetrachloroethene	ug/L	50	62.7	125	70-130	
Trichloroethene	ug/L	50	57.1	114	70-130	
Vinyl chloride	ug/L	50	42.5	85	65-142	
4-Bromofluorobenzene (S)	%			95	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			92	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1268107 1268108

Parameter	Units	40124907001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	<4.1	500	500	601	527	120	105	70-139	13	20	H1
1,2-Dichloroethane	ug/L	<1.7	500	500	459	438	92	88	70-132	5	20	H1
Benzene	ug/L	<5.0	500	500	484	449	97	90	70-130	8	20	H1
Carbon tetrachloride	ug/L	<5.0	500	500	663	567	133	113	70-130	16	20	H1,M1
Chlorobenzene	ug/L	<5.0	500	500	567	527	113	105	70-130	7	20	H1
Chloroform	ug/L	<25.0	500	500	523	492	105	98	70-130	6	20	H1
Tetrachloroethene	ug/L	<5.0	500	500	684	596	137	119	70-130	14	20	H1,M1
Trichloroethene	ug/L	<3.3	500	500	604	550	121	110	70-130	9	20	H1
Vinyl chloride	ug/L	<1.8	500	500	512	442	102	88	60-155	15	20	H1
4-Bromofluorobenzene (S)	%						96	95	70-130			
Dibromofluoromethane (S)	%						95	94	70-130			
Toluene-d8 (S)	%						93	93	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: OEXT/28992 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40125403001

METHOD BLANK: 1267366 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	12/03/15 11:10	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	12/03/15 11:10	
Decachlorobiphenyl (S)	%	92	39-130	12/03/15 11:10	
Tetrachloro-m-xylene (S)	%	87	46-130	12/03/15 11:10	

LABORATORY CONTROL SAMPLE: 1267367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	347	69	63-130	
Decachlorobiphenyl (S)	%			90	39-130	
Tetrachloro-m-xylene (S)	%			85	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1267368 1267369

Parameter	Units	40125437007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1221 (Aroclor 1221)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1232 (Aroclor 1232)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1242 (Aroclor 1242)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1248 (Aroclor 1248)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1254 (Aroclor 1254)	ug/kg	<29.9			<29.9	<29.9					20	
PCB-1260 (Aroclor 1260)	ug/kg	<29.9	598	598	783	417	131	70	38-130	61	20	M1,R1
Decachlorobiphenyl (S)	%						78	81	39-130			
Tetrachloro-m-xylene (S)	%						87	87	46-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: OEXT/29106
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 40125403001

METHOD BLANK: 1270580 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	<3.9	10.0	12/09/15 14:15	
2,4,5-Trichlorophenol	ug/L	<1.5	10.0	12/09/15 14:15	
2,4,6-Trichlorophenol	ug/L	<2.1	10.0	12/09/15 14:15	
2,4-Dinitrotoluene	ug/L	<2.0	10.0	12/09/15 14:15	
2-Methylphenol(o-Cresol)	ug/L	<1.9	10.0	12/09/15 14:15	
3&4-Methylphenol(m&p Cresol)	ug/L	<2.6	10.0	12/09/15 14:15	
Hexachloro-1,3-butadiene	ug/L	<3.6	20.0	12/09/15 14:15	
Hexachlorobenzene	ug/L	<1.1	10.0	12/09/15 14:15	
Hexachloroethane	ug/L	<3.0	10.0	12/09/15 14:15	
Nitrobenzene	ug/L	<2.1	10.0	12/09/15 14:15	
Pentachlorophenol	ug/L	<1.5	20.0	12/09/15 14:15	
Phenol	ug/L	<1.1	10.0	12/09/15 14:15	
Pyridine	ug/L	<2.9	10.0	12/09/15 14:15	
2,4,6-Tribromophenol (S)	%	99	47-139	12/09/15 14:15	
2-Fluorobiphenyl (S)	%	80	50-130	12/09/15 14:15	
Nitrobenzene-d5 (S)	%	64	53-130	12/09/15 14:15	
Phenol-d6 (S)	%	34	23-130	12/09/15 14:15	

METHOD BLANK: 1269731 Matrix: Water
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	<19.4	50.0	12/09/15 17:35	
2,4,5-Trichlorophenol	ug/L	<7.6	50.0	12/09/15 17:35	
2,4,6-Trichlorophenol	ug/L	<10.5	50.0	12/09/15 17:35	
2,4-Dinitrotoluene	ug/L	<10	50.0	12/09/15 17:35	
2-Methylphenol(o-Cresol)	ug/L	<9.6	50.0	12/09/15 17:35	
3&4-Methylphenol(m&p Cresol)	ug/L	<12.8	50.0	12/09/15 17:35	
Hexachloro-1,3-butadiene	ug/L	<18.2	100	12/09/15 17:35	
Hexachlorobenzene	ug/L	<5.7	50.0	12/09/15 17:35	
Hexachloroethane	ug/L	<14.8	50.0	12/09/15 17:35	
Nitrobenzene	ug/L	<10.3	50.0	12/09/15 17:35	
Pentachlorophenol	ug/L	<7.5	100	12/09/15 17:35	
Phenol	ug/L	<5.4	50.0	12/09/15 17:35	
Pyridine	ug/L	<14.6	50.0	12/09/15 17:35	
2,4,6-Tribromophenol (S)	%	98	47-139	12/09/15 17:35	
2-Fluorobiphenyl (S)	%	49	50-130	12/09/15 17:35	S0
Nitrobenzene-d5 (S)	%	48	53-130	12/09/15 17:35	S0
Phenol-d6 (S)	%	30	23-130	12/09/15 17:35	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

LABORATORY CONTROL SAMPLE: 1270581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	41.6	83	53-130	
2,4,5-Trichlorophenol	ug/L	50	51.1	102	70-130	
2,4,6-Trichlorophenol	ug/L	50	49.9	100	70-130	
2,4-Dinitrotoluene	ug/L	50	47.8	96	65-138	
2-Methylphenol(o-Cresol)	ug/L	50	45.4	91	55-130	
3&4-Methylphenol(m&p Cresol)	ug/L	50	39.3	79	46-130	
Hexachloro-1,3-butadiene	ug/L	50	41.3	83	57-130	
Hexachlorobenzene	ug/L	50	56.7	113	69-130	
Hexachloroethane	ug/L	50	43.8	88	46-130	
Nitrobenzene	ug/L	50	38.8	78	66-136	
Pentachlorophenol	ug/L	50	52.2	104	38-130	
Phenol	ug/L	50	20.8	42	28-130	
Pyridine	ug/L	50	9.8J	20	10-130	
2,4,6-Tribromophenol (S)	%			94	47-139	
2-Fluorobiphenyl (S)	%			80	50-130	
Nitrobenzene-d5 (S)	%			64	53-130	
Phenol-d6 (S)	%			36	23-130	

MATRIX SPIKE SAMPLE: 1270582

Parameter	Units	40125403001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	<19.4	250	207	83	38-130	
2,4,5-Trichlorophenol	ug/L	<7.6	250	233	93	63-130	
2,4,6-Trichlorophenol	ug/L	<10.5	250	230	92	60-130	
2,4-Dinitrotoluene	ug/L	<10	250	234	93	52-152	
2-Methylphenol(o-Cresol)	ug/L	<9.6	250	196	79	28-130	
3&4-Methylphenol(m&p Cresol)	ug/L	<12.8	250	171	69	25-130	
Hexachloro-1,3-butadiene	ug/L	<18.2	250	197	79	47-130	
Hexachlorobenzene	ug/L	<5.7	250	269	108	63-134	
Hexachloroethane	ug/L	<14.8	250	222	89	37-130	
Nitrobenzene	ug/L	<10.3	250	190	76	66-130	
Pentachlorophenol	ug/L	<7.5	250	259	104	16-158	
Phenol	ug/L	<5.4	250	102	41	20-130	
Pyridine	ug/L	<14.6	250	97.2	39	10-130	
2,4,6-Tribromophenol (S)	%				90	47-139	
2-Fluorobiphenyl (S)	%				78	50-130	
Nitrobenzene-d5 (S)	%				69	53-130	
Phenol-d6 (S)	%				38	23-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: PMST/12189
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40125403001

SAMPLE DUPLICATE: 1266971

Parameter	Units	40125396001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.1	6.1	1	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WET/23941
QC Batch Method: EPA 1010
Analysis Method: EPA 1010
Analysis Description: 1010 Flash Point, Closed Cup
Associated Lab Samples: 40125403001

LABORATORY CONTROL SAMPLE: 1267819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Flashpoint	deg F		80.0			

SAMPLE DUPLICATE: 1268122

Parameter	Units	40125402001 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	>210	>210			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WET/8413
QC Batch Method: SW-846 7.3.4.2
Analysis Method: SW-846 7.3.4.2
Analysis Description: Reactive Sulfide
Associated Lab Samples: 40125403001

METHOD BLANK: 184842 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	<20.0	60.0	12/04/15 15:09	

SAMPLE DUPLICATE: 184843

Parameter	Units	40125403001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	<20.0	<20.0		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WET/23944
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: 9045 pH
Associated Lab Samples: 40125403001

SAMPLE DUPLICATE: 1268043

Parameter	Units	40125403001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.56	7.59	0	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WET/23931
QC Batch Method: EPA 9095
Analysis Method: EPA 9095
Analysis Description: 9095 PAINT FILTER LIQUID TEST
Associated Lab Samples: 40125403001

SAMPLE DUPLICATE: 1267184

Parameter	Units	40125402001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids	no units	Pass	Pass			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WET/23932
QC Batch Method: SM 2710F
Analysis Method: SM 2710F
Analysis Description: Spec.Gravity
Associated Lab Samples: 40125403001

SAMPLE DUPLICATE: 1267233

Parameter	Units	40125403001 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Gravity	no units	1.9	1.9	0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

QC Batch: WETA/9840
QC Batch Method: SW-846 7.3.3.2
Analysis Method: SW-846 7.3.3.2
Analysis Description: 733C Reactive Cyanide
Associated Lab Samples: 40125403001

METHOD BLANK: 184845 Matrix: Solid
Associated Lab Samples: 40125403001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	<0.20	0.20	12/04/15 14:58	

SAMPLE DUPLICATE: 184846

Parameter	Units	40125403001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	<0.20	<0.20		30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALIFIERS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-D	Pace Analytical Services - Dallas
PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

H1	Analysis conducted outside the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125403

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40125403001	**EB-COMP**	EPA 3541	OEXT/28992	EPA 8082	GCSV/13815
40125403001	**EB-COMP**	EPA 3010	MPRP/13030	EPA 6010	ICP/11567
40125403001	**EB-COMP**	EPA 7470	MERP/5425	EPA 7470	MERC/7542
40125403001	**EB-COMP**	EPA 3510	OEXT/29106	EPA 8270	MSSV/8575
40125403001	**EB-COMP**	EPA 8260	MSV/31507		
40125403001	**EB-COMP**	ASTM D2974-87	PMST/12189		
40125403001	**EB-COMP**	EPA 1010	WET/23941		
40125403001	**EB-COMP**	SW-846 7.3.4.2	WET/8413	SW-846 7.3.4.2	WET/8414
40125403001	**EB-COMP**	EPA 9045	WET/23944		
40125403001	**EB-COMP**	EPA 9095	WET/23931		
40125403001	**EB-COMP**	SM 2710F	WET/23932		
40125403001	**EB-COMP**	SW-846 7.3.3.2	WETA/9840	SW-846 7.3.3.2	WETA/9843

SKW

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

COC No. 40125403

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Himalayan Consultants
Branch/Location:	Germantown, WI
Project Contact:	Thomas Dueppen
Phone:	262-502-0066
Project Number:	15016.033
Project Name:	Saxony Village
Project State:	WI
Sampled By (Print):	Thomas Dueppen
Sampled By (Sign):	Thomas Dueppen
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Thomas Dueppen
Mail To Company:	Himalayan Consultants
Mail To Address:	W156 N11357 Pilgrim Road, Germantown WI 53022
Invoice To Contact:	Samira Adhikary
Invoice To Company:	Same
Invoice To Address:	Same
Invoice To Phone:	262-502-0066

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

FILTERED? (YES/NO) PRESERVATION (CODE)*

Analyses Requested

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Protocol B	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	EB-COMP	1/25/201	3:30	S	N	A	X	5 Day Turn	5-40zag A	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	tdueppen@himalayanllc.com
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Thomas Dueppen	11/30/2015 10:17AM	Mary Fannin	11/30/15 10:17
Mary Fannin	11/30/15 1230		
CS Logistics	12-1-15 0910	Marinckrypace	12/1/15 0910

PACE Project No.
40125403

Receipt Temp = 2.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal (Present) / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Project #: **WO# : 40125403**

40125403

Client Name: Himalayan Cons.

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CS Logistics

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other ziploc bag mm 12-1-15

Thermometer Used DA

Type of Ice: (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2.01 /Corr: _____

Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 12-1-15
Initials: mm

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6. 5 day TAT mm 12.1.15
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. Date on samples 11-25-15 mm 12.1.15
-Includes date/time/ID/Analysis Matrix: S		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes ☑No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14.
Trip Blank Present:	☐Yes ☐No ☑N/A	15.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: MMH for DM **Date:** 12/1/15

F-GB-C-031-Rev.03 (9April2015) SCUR Form

Notice of Intent to Discharge Non-domestic Wastewater,
as Required by sec. 11.401, MMSD Rules

I. Facility, Site, or Project Information

(a) Name Saxony Village Development

(b) Address Germantown, Wisconsin

(c) Mailing address J.B.J. Companies, Inc.
W178 N9912 Rivercrest Drive, Suite 101
Germantown, WI 53022

(d) Contact person Thomas Dueppen
Name
Senior Hydrogeologist
Title
262-502-0066
Telephone

(e) Description

Installation of sanitary sewer line.

(f) Five digit NAICS code or four digit SIC code 237110

II. Discharge information

(a) Reason for submitting this notice of intent:

_____ Constructing a new facility that will discharge process wastewater to the sewerage system

_____ Taking possession or control of an existing facility that discharges process wastewater

_____ Changing the physical size or operations at an existing facility to the extent that wastewater volume or content will be substantially changed, including, but not limited to, a change in the annual average daily discharge flow rate of 20% or more


_____ Discharging contaminated groundwater

_____ Commencing or modifying a discharge of hazardous waste that requires reporting according to sec. 11.411, MMSD Rules

_____ Other. Explain on an attached page

(b) Proposed date for the commencement of discharge Spring 2016

(c) Describe the processes, operations, activities, and circumstances that will produce the non-domestic wastewater covered by this *Notice of Intent*

Generation of contaminated water during dewatering process, associated with sewer line trenching activities.

(d) Wastewater discharge rates for the facility as a whole. Complete this section if the discharge is not for a limited-term.

	Flow rates (gallons per day) Existing	Proposed
Domestic	_____	_____
Non-domestic		
Process	_____	_____
Non-contact cooling	_____	_____
Other	_____	_____

(e) Process wastewater discharges (fill in the spaces that apply)

1. Continuous discharge: 8 hours per day 5 days per week

2. Batch discharge: _____ gallons discharged _____ per _____.
   Frequency Time

3. One time discharge: _____ gallons discharged over _____ days

4. Other (explain the timing and type of discharge)

300 GPM = estimated discharge rate

(f) List the pollutants potentially present in the wastewater covered by this *Notice of Intent*

Petroleum VOCs associated with gasoline and diesel fuel

(g) Sample results. If you are able to sample the wastewater covered by this *Notice of Intent*, then attach sample results according to the instructions.

(h) Describe any proposed treatment procedures or equipment

Dewatering trench with sandpoint wells pumping water into series of weir tanks to reduce turbidity; water from weir tanks will discharge to sewer; estimated pumping rate of 300 GPM during construction.

(i) Identify the exact location of the discharge point

See attached map

(j) Enclose a drawing of the site where the discharge will occur. This drawing must identify all connections to the sewerage system; the processes, operations, or activities generating wastewater; treatment facilities, and potential sampling locations.

III. Certification and signature

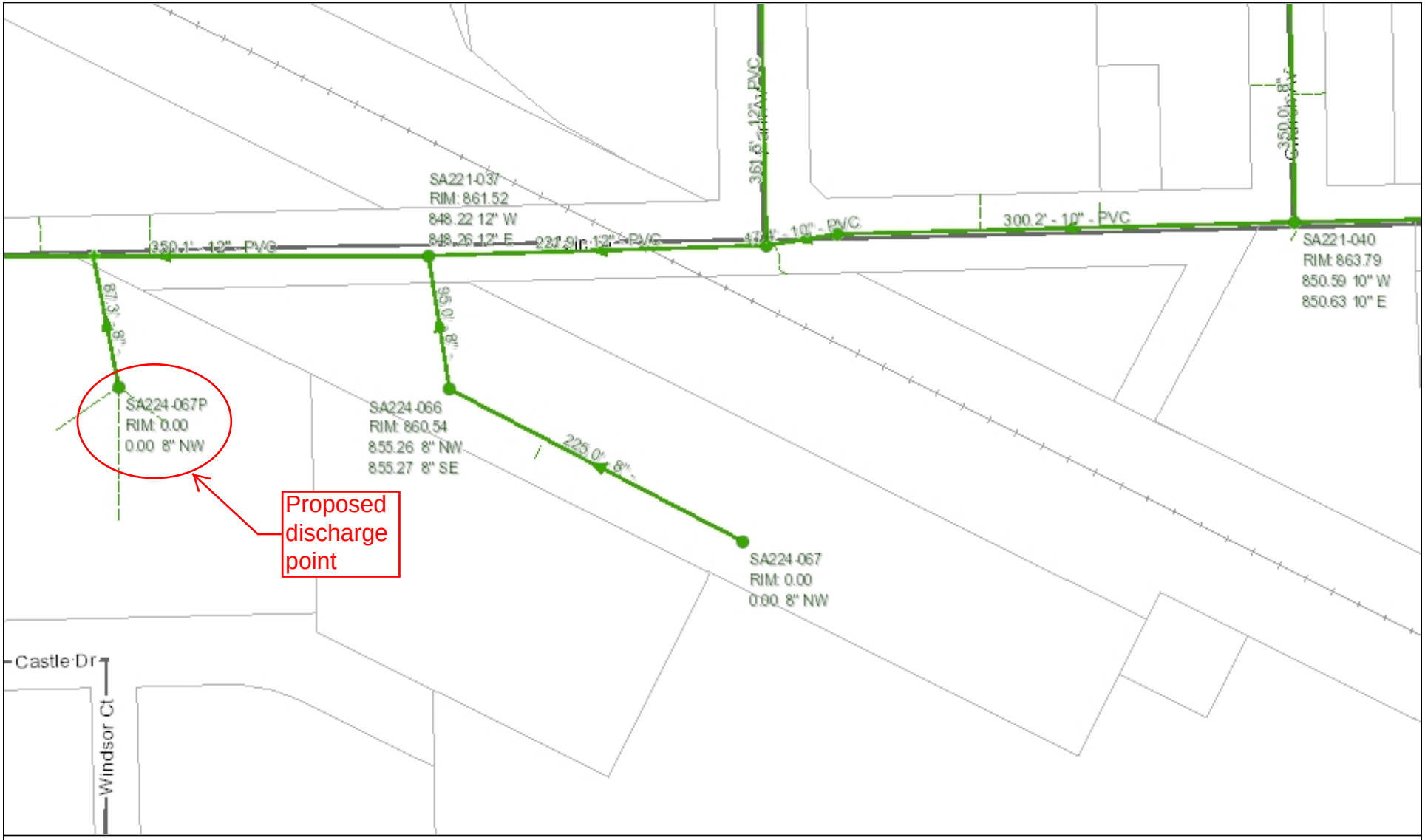
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

1/15/2016

Signature Date

Thomas Dueppen, P.G. - Senior Hydrogeologist

Printed name and title



Village of Germantown
TextBox1

DISCLAIMER:

<u>This map is not a survey of the actual boundary of any property this map depicts.</u>

The Village of Germantown Does not guarantee the accuracy of the material contained here in and is not responsible for any misuse or misrepresentation of this information or its derivatives.

SCALE: 1 = 93'

Village Of Germantown
N112 W17001 Mequon Road
Germantown, WI 53022
262-250-4700

Print Date: 11/19/2015

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-5 **Lab ID: 40125405012** Collected: 11/25/15 14:15 Received: 12/01/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1610**	ug/L	40.0	15.8	40		12/03/15 15:04	71-43-2	
Ethylbenzene	**2470**	ug/L	40.0	15.7	40		12/03/15 15:04	100-41-4	
Methyl-tert-butyl ether	**<19.4**	ug/L	40.0	19.4	40		12/03/15 15:04	1634-04-4	
Naphthalene	**101**	ug/L	40.0	17.0	40		12/03/15 15:04	91-20-3	
Toluene	**3020**	ug/L	40.0	15.5	40		12/03/15 15:04	108-88-3	
1,2,4-Trimethylbenzene	**755**	ug/L	40.0	16.7	40		12/03/15 15:04	95-63-6	
1,3,5-Trimethylbenzene	**224**	ug/L	40.0	16.6	40		12/03/15 15:04	108-67-8	
Xylene (Total)	**9940**	ug/L	120	49.9	40		12/03/15 15:04	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		40		12/03/15 15:04	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-4 **Lab ID: 40125405013** Collected: 11/25/15 14:30 Received: 12/01/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**6810**	ug/L	100	39.6	100		12/03/15 16:47	71-43-2	
Ethylbenzene	**1950**	ug/L	100	39.3	100		12/03/15 16:47	100-41-4	
Methyl-tert-butyl ether	**<48.5**	ug/L	100	48.5	100		12/03/15 16:47	1634-04-4	
Naphthalene	**351**	ug/L	100	42.4	100		12/03/15 16:47	91-20-3	
Toluene	**7430**	ug/L	100	38.8	100		12/03/15 16:47	108-88-3	
1,2,4-Trimethylbenzene	**1630**	ug/L	100	41.8	100		12/03/15 16:47	95-63-6	
1,3,5-Trimethylbenzene	**473**	ug/L	100	41.6	100		12/03/15 16:47	108-67-8	
Xylene (Total)	**8710**	ug/L	300	125	100		12/03/15 16:47	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		100		12/03/15 16:47	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: EB-3 **Lab ID: 40125405014** Collected: 11/25/15 14:45 Received: 12/01/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<19.8**	ug/L	50.0	19.8	50		12/03/15 17:13	71-43-2	
Ethylbenzene	**706**	ug/L	50.0	19.6	50		12/03/15 17:13	100-41-4	
Methyl-tert-butyl ether	**<24.2**	ug/L	50.0	24.2	50		12/03/15 17:13	1634-04-4	
Naphthalene	**1430**	ug/L	50.0	21.2	50		12/03/15 17:13	91-20-3	
Toluene	**84.0**	ug/L	50.0	19.4	50		12/03/15 17:13	108-88-3	
1,2,4-Trimethylbenzene	**12400**	ug/L	50.0	20.9	50		12/03/15 17:13	95-63-6	
1,3,5-Trimethylbenzene	**1110**	ug/L	50.0	20.8	50		12/03/15 17:13	108-67-8	
Xylene (Total)	**1280**	ug/L	150	62.4	50		12/03/15 17:13	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	117	%	80-120		50		12/03/15 17:13	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Sample: TRIP BLANK **Lab ID: 40125405015** Collected: 11/25/15 00:00 Received: 12/01/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		12/03/15 19:21	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		12/03/15 19:21	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		12/03/15 19:21	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		12/03/15 19:21	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		12/03/15 19:21	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		12/03/15 19:21	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		12/03/15 19:21	108-67-8	
Xylene (Total)	**<1.2**	ug/L	3.0	1.2	1		12/03/15 19:21	1330-20-7	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		12/03/15 19:21	98-08-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

QC Batch: GCV/15433 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40125405001, 40125405002, 40125405003, 40125405004, 40125405005, 40125405006, 40125405007, 40125405008, 40125405009, 40125405010, 40125405011

METHOD BLANK: 1267026 Matrix: Solid
Associated Lab Samples: 40125405001, 40125405002, 40125405003, 40125405004, 40125405005, 40125405006, 40125405007, 40125405008, 40125405009, 40125405010, 40125405011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	12/02/15 08:58	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	12/02/15 08:58	
Benzene	ug/kg	<25.0	50.0	12/02/15 08:58	
Ethylbenzene	ug/kg	<25.0	50.0	12/02/15 08:58	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	12/02/15 08:58	
Naphthalene	ug/kg	<25.0	50.0	12/02/15 08:58	
Toluene	ug/kg	<25.0	50.0	12/02/15 08:58	
Xylene (Total)	ug/kg	<75.0	150	12/02/15 08:58	
a,a,a-Trifluorotoluene (S)	%	102	80-120	12/02/15 08:58	

LABORATORY CONTROL SAMPLE & LCSD: 1267027 1267028

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1010	1040	101	104	80-120	2	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1010	1030	101	103	80-120	2	20	
Benzene	ug/kg	1000	1020	1060	102	106	80-120	4	20	
Ethylbenzene	ug/kg	1000	985	1000	98	100	80-120	2	20	
Methyl-tert-butyl ether	ug/kg	1000	991	1050	99	105	80-120	6	20	
Naphthalene	ug/kg	1000	1000	1070	100	107	80-120	6	20	
Toluene	ug/kg	1000	1010	1030	101	103	80-120	3	20	
Xylene (Total)	ug/kg	3000	2940	2960	98	99	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				102	104	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

QC Batch: GCV/15436 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40125405012, 40125405013, 40125405014, 40125405015

METHOD BLANK: 1267699 Matrix: Water
Associated Lab Samples: 40125405012, 40125405013, 40125405014, 40125405015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	12/03/15 09:04	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	12/03/15 09:04	
Benzene	ug/L	<0.40	1.0	12/03/15 09:04	
Ethylbenzene	ug/L	<0.39	1.0	12/03/15 09:04	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	12/03/15 09:04	
Naphthalene	ug/L	<0.42	1.0	12/03/15 09:04	
Toluene	ug/L	<0.39	1.0	12/03/15 09:04	
Xylene (Total)	ug/L	<1.2	3.0	12/03/15 09:04	
a,a,a-Trifluorotoluene (S)	%	102	80-120	12/03/15 09:04	

LABORATORY CONTROL SAMPLE & LCSD: 1267700 1267701

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.4	21.4	102	107	80-120	5	20	
1,3,5-Trimethylbenzene	ug/L	20	20.7	21.3	104	107	80-120	3	20	
Benzene	ug/L	20	21.7	21.9	109	110	80-120	1	20	
Ethylbenzene	ug/L	20	20.6	21.1	103	105	80-120	2	20	
Methyl-tert-butyl ether	ug/L	20	20.9	21.0	104	105	80-120	0	20	
Naphthalene	ug/L	20	19.4	20.1	97	100	80-120	3	20	
Toluene	ug/L	20	21.0	21.2	105	106	80-120	1	20	
Xylene (Total)	ug/L	60	61.9	64.1	103	107	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1267808 1267809

Parameter	Units	40125405012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	755	800	800	1670	1640	115	110	29-200	2	20	
1,3,5-Trimethylbenzene	ug/L	224	800	800	1110	1090	110	109	57-171	1	20	
Benzene	ug/L	1610	800	800	2450	2490	105	110	69-150	2	20	
Ethylbenzene	ug/L	2470	800	800	3300	3380	105	115	80-146	2	20	
Methyl-tert-butyl ether	ug/L	<19.4	800	800	825	820	103	103	80-120	1	20	
Naphthalene	ug/L	101	800	800	885	899	98	100	66-137	1	20	
Toluene	ug/L	3020	800	800	3830	3960	101	117	67-156	3	20	
Xylene (Total)	ug/L	9940	2400	2400	12500	12700	106	113	71-162	1	20	
a,a,a-Trifluorotoluene (S)	%						101	105	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

QC Batch: PMST/12197 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40125405001, 40125405002, 40125405003, 40125405004, 40125405005, 40125405006, 40125405007, 40125405008, 40125405009, 40125405010

SAMPLE DUPLICATE: 1268132

Parameter	Units	40125459001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.7	6.6	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 15016.033 SAXONY VILLAGE
Pace Project No.: 40125405

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40125405001	**EB-5-2**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405002	**EB-5-3**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405003	**EB-4-1**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405004	**EB-4-2**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405005	**EB-3-2**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405006	**EB-3-3**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405007	**EB-2-2**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405008	**EB-2-3**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405009	**EB-1-3**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405010	**EB-1-4**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405011	**MEOH BLANK**	TPH GRO/PVOC WI ext.	GCV/15433	WI MOD GRO	GCV/15434
40125405012	**EB-5**	WI MOD GRO	GCV/15436		
40125405013	**EB-4**	WI MOD GRO	GCV/15436		
40125405014	**EB-3**	WI MOD GRO	GCV/15436		
40125405015	**TRIP BLANK**	WI MOD GRO	GCV/15436		
40125405001	**EB-5-2**	ASTM D2974-87	PMST/12197		
40125405002	**EB-5-3**	ASTM D2974-87	PMST/12197		
40125405003	**EB-4-1**	ASTM D2974-87	PMST/12197		
40125405004	**EB-4-2**	ASTM D2974-87	PMST/12197		
40125405005	**EB-3-2**	ASTM D2974-87	PMST/12197		
40125405006	**EB-3-3**	ASTM D2974-87	PMST/12197		
40125405007	**EB-2-2**	ASTM D2974-87	PMST/12197		
40125405008	**EB-2-3**	ASTM D2974-87	PMST/12197		
40125405009	**EB-1-3**	ASTM D2974-87	PMST/12197		
40125405010	**EB-1-4**	ASTM D2974-87	PMST/12197		

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40125405

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Himalayan Consultants
Branch/Location:	Germantown, WI
Project Contact:	T. Dueppen
Phone:	262-502-0066
Project Number:	15016.033
Project Name:	Saxony Village
Project State:	Wisconsin
Sampled By (Print):	T. Dueppen
Sampled By (Sign):	Thomas Dueppen
PO #:	Regulatory Program: WDNR

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC + Naph.	PVOC + Naph.	LAB COMMENTS (Lab Use Only)
001	EB-5-2	11/25/15	9:45	S	N	F	X		1-40zpA, 1-40mlVF
002	EB-5-3		10:00				X		
003	EB-4-1		10:45				X		
004	EB-4-2		11:00				X		
005	EB-3-2		11:45				X		
006	EB-3-3		12:00				X		
007	EB-2-2		12:45				X		
008	EB-2-3		1:00				X		
009	EB-1-3		1:45				X		
010	EB-1-4		2:00				X		
011	EB-5	012	2:15	W				X	3-40mlVB
012	EB-4	013	2:30	W				X	
013	EB-3	014	2:45	W				X	

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	
CLIENT COMMENTS	LAB COMMENTS (Lab Use Only) / Profile #

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed: Normal Turn

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Thomas Dueppen	11/30 10:17AM	Mary Fannin	11/30/15 10:17
Mary Fannin	11/30/15 12:30		
Logistics	12.1.15 0910	Mai McKay PACE	12/1/15 0910

PACE Project No. 40125405

Receipt Temp = 12.1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

011 method Blank * added per lab. mm 12/1/15
015 trip Blank * added per lab. mm 12/1/15

1-40mlVF
2-40mlVB

ORIGINAL

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Project #: **WO# : 40125405**

40125405

Client Name: Himalayan Cons.

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CS Logistics

Tracking #:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other ziploc bag mm 12-1-15

Thermometer Used na **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2.01 /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 12-1-15
Initials: mm

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☑N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☐Yes	☑No	☐N/A	12. 003 - vial time 11:00; 005 & 006 no time on vial. mm 12/1/15
-Includes date/time/ID/Analysis Matrix: S,W				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No	☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No	☑N/A	
exceptions: VOA coliform, TOC, TOX, TOH, O&G, WIDRO, Phenolics, OTHER:	☑Yes	☐No		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	14.
Trip Blank Present:	☑Yes	☐No	☐N/A	15.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): 042015.3CCL				

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution: MeOH Blank and trip blank added to COC per lab. mm 12-1-15

Project Manager Review: JJ for DM **Date:** 12-1-15