August Mack
ENVIRONMENTAL

317.916.8000 ▪ www.augustmack.com
1302 North Meridian Street, Suite 300 ▪ Indianapolis, Indiana 46202

November 21, 2016

Indiana Brownfields Program
100 North Senate Avenue
Room 1275
Indianapolis, Indiana 46204

Re: Request for Comfort Letter
508 E. Wilson Street
Kentland, Indiana 47951
August Mack Project Number JQ01502.710

Dear Sir or Madam:

On behalf of Jordan Manufacturing Properties, LLC, August Mack Environmental, Inc. (August Mack) is submitting this request for a Comfort Letter for the above-referenced property (Study Site) outlined in **Figure 1**. Attached to this letter please find the following:

- **Attachment A** - Indiana Brownfields Program Comfort/Site Status Letter Request Form.
- **Attachment B** – Indiana Brownfields Program BFPP Comfort Letter Request Checklist.
- **Attachment C** – Study Site Property Reports with Brief Legal Descriptions.
- **Attachment D** - *Phase I Environmental Site Assessment*, issued October 13, 2016 by August Mack (JQ1387.710).
    - Phase I Appendix G – *Revised Remediation Work Plan*, dated November 14, 2014 and Revised May 13, 2015 by Amec Foster Wheeler Environment & Infrastructure, Inc. (AMEC).
    - Phase I Appendix G – *Groundwater Monitoring Report*, dated January 2016 by AMEC.

SITE SUMMARY

The Study Site consists of five (5) parcels (Parcels 56-16-20-441-011.000-011, 56-16-20-441-012.000-011, 56-16-20-442-001.000-011, 56-16-20-442-004.000-011, and 56-16-20-800-005-001-011) totaling approximately 25-acres, owned by El Campo GP LLC. The Site is developed with one (1) 215,759-square-foot industrial warehouse and office building located on the central portion of the Site. The parcels are addressed as 508 E. Wilson Street, Kentland, Newton County, Indiana.

According to information in the Phase I ESA report prepared by August Mack, dated October 13, 2016, the Site was reportedly used for agricultural purposes prior to 1972, when the Site building and a small maintenance building to the southeast were constructed. Multiple additions occurred to the west side of the Site building in 1978 and 1983; and to the east side of the building in 1989 and 2000. The former maintenance building was reportedly demolished in 2000. The Site was previously used for various manufacturing operations, including aluminum extrusion, aluminum painting, sulfuric acid anodizing, and incidental equipment maintenance and cleaning between 1972 and 2012, when operations ceased.

The Study Site was identified as Bon L. Manufacturing Company (Bon L.) on several regulatory databases, including the Voluntary Cleanup Program (VCP) database. An Initial investigation was conducted in 2012 following the plant closure. A Screening Investigation (SI) was conducted by Environmental Resources Management (ERM) in 2012 during and after the closure of the facility. A total of twenty-one (21) potential areas of concern (AOCs) were identified by ERM, largely pertaining to visible interior and exterior staining and historical operations throughout the facility, as well as potential contamination associated with a former fuel oil UST located at the northwest corner of the Site building. Potential contaminants of concern (COCs) were identified by ERM as VOCs, semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), modified target analyte list (TAL) metals, total lead, hexavalent chromium, polychlorinated biphenyls (PCBs), and cyanide. The results of the 2012 soil sampling activities identified the following COCs at concentrations above their applicable excavation worker direct contact Screening Level (SL):

- Ethylbenzene and xylene in the area of the former paint line in the northwest portion of the Site building.
- Trichloroethene (TCE) in the area of the former maintenance shop on the southeast exterior of the Site building.

The source of the ethylbenzene and xylene was attributed to recurring minor spills of paints and paint thinner, while the source of the TCE was unknown.

In addition, the following COCs were identified above their applicable Residential Direct Contact SLs (RDCSLs):

- TCE in the area of the former incinerator on the northeast portion of the Site.
- Benzo(a)pyrene (BaP) near the south employee parking lot.
- Arsenic in a background sample and near the former clarifier area.

As noted above, the source of the TCE was unknown, the likely source of the BaP was later determined to be from asphalt particles in the employee parking lot, and the arsenic was determined to be within normal background concentrations for glacially derived soils in Northern Indiana.

Based on the soil sampling results, Bon L. excavated soils in multiple source areas to below the residential direct contact SLs. Additional soil sampling was conducted in 2014 to demonstrate that the confining unit beneath the maintenance and the former incinerator deceased to below the detection limit, and to delineate the unknown source of VOCs detected in the exterior paint dock area. Results revealed that the confining unit beneath the contamination in the above mentioned areas had not been impacted, and impacts were limited to shallow soils and groundwater. Soil samples from the exterior paint dock were all below the RDCSLs, and the source of contamination in the area was determined to be unknown.

Groundwater samples were collected throughout the Site between 2012 and 2014 from a total of thirty-three (33) monitoring wells. Multiple groundwater plumes were identified during sampling activities, including:

- **Former Maintenance Building Plume:** TCE, cis-1,2-Dichloroethene (cDCE), and vinyl chloride (VC) were detected at concentrations above their respective residential SL in an area that stretches from the southeast corner of the former maintenance building on the southeast exterior of the Site building to the northwest underneath the current Site building.
- **Former Incinerator Plume:** TCE and VC were detected at concentrations above their respective residential SLs and confined to an area along the northern edge of the former incinerator pad on the northeast portion of the Site.
- **Paint Room Plume:** Xylene, ethylbenzene, methyl ether ketone (MEK), and naphthalene (to be addressed as a VOC) were detected at concentrations above their respective residential SLs in the former paint line area. Groundwater samples collected from surrounding monitoring wells were below laboratory detection limits, so the horizontal extent of these groundwater impacts was determined to be delineated.
- **Exterior Paint Room Plume**: TCE, VC, and 1,2-Dichloroethane (1,2-DCA) were detected at concentrations above their applicable residential SLs in the area of the former exterior paint dock located on the northwest exterior of the Site building.

Groundwater samples collected from surrounding monitoring wells were below laboratory detection limits, so the horizontal extent of these groundwater impacts was determined to be delineated.

No specific source was identified for the TCE and associated daughter products based on RCRA listings from the facility. The source of the VOCs in the paint room area were determined to be from spills of paint and paint thinner (source areas in the Paint Room and Former Maintenance Building were removed in 2013.) In addition, four (4) metals exceeded the residential groundwater SL throughout the Site for total and dissolved metals, including arsenic, cobalt, manganese, and vanadium.

The results from groundwater sampling prompted Bon L. Manufacturing Company to enroll in the Indiana Department of Environmental Management's (IDEM's) VRP. The responsible party, Bon L. Manufacturing Company, was accepted into the VRP in January 2014 and was assigned VRP #6130501.

To evaluate the vapor exposure pathway, paired sub-slab soil gas (SGss) and indoor air samples were collected from three (3) areas within the Site building in March of 2014. All samples were below the IDEM indoor air residential SL, with the exception of one (1) sample from the eastern portion of the Site building. However, the sample was found to be below the IDEM indoor air commercial/industrial SL at the time of the sampling event.

The Remediation Work Plan (RWP) was approved on November 19, 2015. The methods selected for remediation and continued risk management in the RWP include biosparging in the paint room, monitored natural attenuation (MNA) in the areas of chlorinated solvent plumes, and the implementation of an environmental restrictive covenant (ERC).

Following remedial activities, results of two (2) groundwater monitoring events indicate reducing conditions, which is also supported by MNA parameter data. In addition, based on the reducing/stable concentrations for the paint room plume, Bon L. indicated that rather than biosparging, MNA will be the remedy for the area and they are currently working with IDEM to modify the RWP. Bon L. is also planning on excavating an approximately 900-square-foot area in the vicinity of the former incinerator to address the remaining soil impacts in the area, which is planned for early 2017.

A second round of VI sampling was conducted in July of 2016, and revealed all constituents were below their applicable SLs, with the exception of naphthalene. Naphthalene was identified in the indoor air above the commercial/industrial SL, but was not detected in the sub-slab sample. AMEC Foster Wheeler (AMEC), environmental consultant for Bon L., opined that the detection of naphthalene in the

indoor air was likely due to construction activities and the building sitting stagnant with no power or ventilation for an extended period of time. Bon L. is planning an additional round of VI sampling once the building is in operation and intends to provide additional lines of evidence that VI is not a concern.

As a part of the 2015 RWP, ERM drafted an Environmental Restrictive Covenant (ERC) as part of risk management measures for the Site. The restrictions identified in the draft ERC included residential land-use, including for purposes related to child care or education; the use or extraction of groundwater for purposes other than environmental investigations or remediation activities; and the construction or occupancy of a dwelling or work space within restricted areas on the northeast and southeast portions without the installation and maintenance of a vapor mitigation system. However, based on results of VI sampling it has been proposed that the vapor restrictions may be removed from the ERC. Bon L. intends to record the ERC to the deed prior to any property transaction.

The Phase I ESA indicated the Site's active status in the VRP with contaminants of concern in both soil and groundwater constituted a REC. However, the Phase I ESA also indicated that once the ERC is recorded on the property and restrictions are implemented to prevent exposure to constituents of concern and the Site has received closure from IDEM, any remaining on-Site contaminants will be considered a Controlled REC (CREC).

CONCLUSIONS

August Mack is requesting, on behalf of Jordan Manufacturing Properties, LLC, a Comfort Letter be issued for the Study Site located at 508 E. Wilson Street, Kentland, Newton County, Indiana (Parcels 56-16-20-441-011.000-011, 56-16-20-441-012.000-011, 56-16-20-442-001.000-011, 56-16-20-442-004.000-011, and 56-16-20-800-005-001-011) based on the following:

1. Metal and VOC related COCs were identified in groundwater above their respective IDEM RCG SLs in 4 areas of concern (AOCs) throughout the Site.
2. Although naphthalene exceeded the IDEM indoor air commercial/industrial SL in July 2016, it was not detected in the sub-slab sample. Potential VI concerns have been addressed in a draft ERC, which includes restrictions regarding the construction or occupancy of a dwelling or work space within restricted areas on the northeast and southeast portions without the installation and maintenance of a vapor mitigation system.
3. The groundwater exposure pathway is not complete since no potable groundwater wells are located at the Site and the Site is connected to the municipal water supply.

4. The Stakeholder did not cause, contribute to, or exacerbate the contamination on the Study Site.
5. The Stakeholder is exempt from liability or eligible for a defense to liability as a Bona-Fide Prospective Purchaser (BFPP).

As such, August Mack respectfully requests that a Comfort Letter be granted by the Indiana Brownfields to Jordan Manufacturing Properties, LLC.

We trust that this Comfort Letter Request meets with your approval. Please do not hesitate to contact August Mack should you have any questions or comments regarding this submittal.

Sincerely,

Matt Brandvik
Environmental Site Assessor

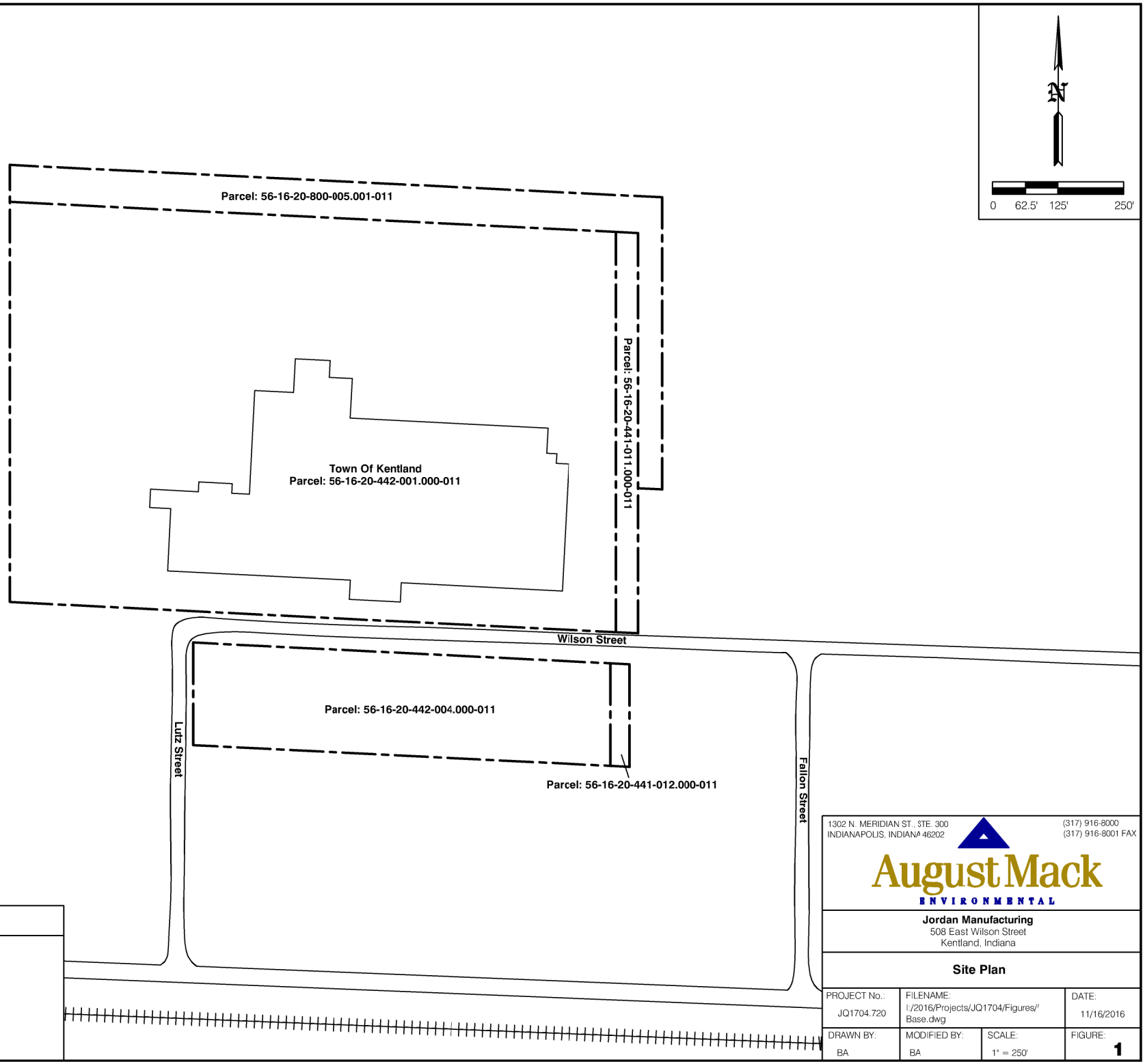
Brian Wilson
Principal, Transaction Services

Attachments

cc: Dave Jordan – Jordan Manufacturing Properties, LLC
David Starkweather – Stuart & Branigin

FIGURES

Figure 1 – Site Plan



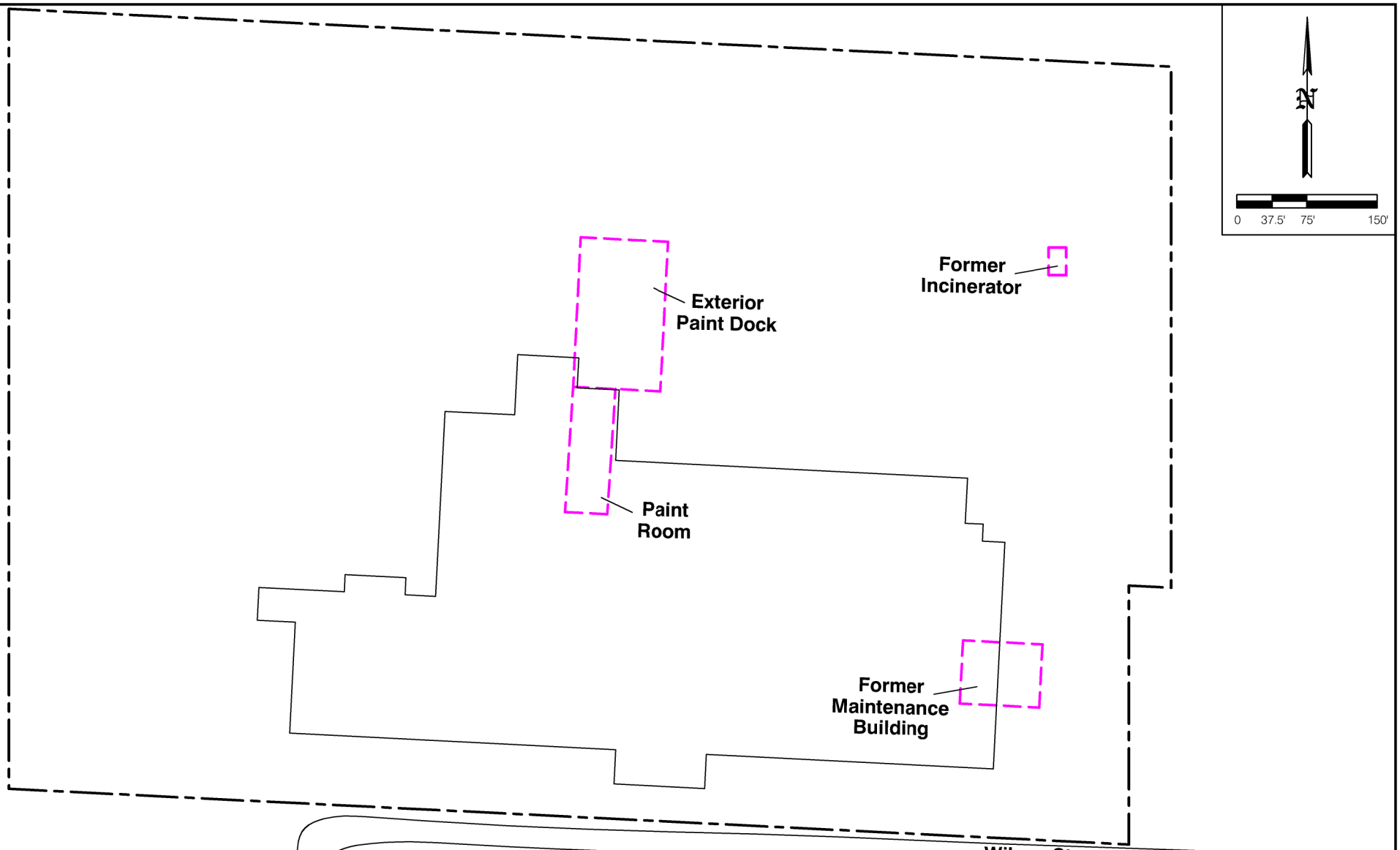
1302 N. MERIDIAN ST., STE. 300
INDIANAPOLIS, INDIANA 46202
(317) 916-8000
(317) 916-8001 FAX
August Mack ENVIRONMENTAL

Jordan Manufacturing
508 East Wilson Street
Kentland, Indiana

Site Plan

PROJECT No.:	FILENAME:		DATE:
JQ1704.720	I:/2016/Projects/JQ1704/Figures/Base.dwg		11/16/2016
DRAWN BY: BA	MODIFIED BY: BA	SCALE: 1" = 250'	FIGURE: 1

Figure 2 – Site Plan with Boring Locations Above Screening Levels



LEGEND

= Property Boundary

= Area Of Concern

1302 N. MERIDIAN ST., STE. 300
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(317) 916-8000
(317) 916-8001 FAX
August Mack ENVIRONMENTAL

Jordan Manufacturing
508 East Wilson Street
Kentland, Indiana

Map Showing Areas of Concern Locations

PROJECT No.:	FILENAME:		DATE:
JQ1704.720	I:/2016/Projects/JQ1704/Figures/Base.dwg		11/16/2016
DRAWN BY:	MODIFIED BY:	SCALE:	FIGURE:
BA	BA	1" = 150'	2

ATTACHMENT A

Indiana Brownfields Program
Comfort/Site Status Letter Request Form

Indiana Brownfields Program
Comfort/Site Status Letter Request

State Form 51493 (R2/6-07)
Indiana Finance Authority

Return this form to:
INDIANA BROWNFIELDS PROGRAM
100 N. Senate Avenue, Room 1275
Indianapolis, IN 46204
For questions: 317-234-1279
Submit form electronically to: brownfields@ifa.in.gov
FAX: 317-234-1338

Pursuant to the Indiana Department of Environmental Management (IDEM) Nonrule Policy Document W-0051, "Brownfields Program Comfort and Site Status Letters Policy" (April 18, 2003), the Indiana Brownfields Program may issue a Comfort or Site Status Letter to stakeholders at brownfields sites that satisfy the eligibility criteria and conditions of the policy.

Brownfield Site Definition

A brownfield site is defined as a parcel of real estate that is abandoned or inactive; or may not be operated at its appropriate use; and on which expansion or redevelopment is complicated because of the presence or potential presence of a hazardous substance, a contaminant, petroleum, or a petroleum product that poses a risk to human health and the environment. IC 13-11-2-19.3

Comfort Letter

A Comfort Letter is issued to a party that qualifies for an applicable exemption to liability found in Indiana law or IDEM policy, but is not a legal release from liability. The Comfort Letter explains the applicable liability exemption or IDEM's exercise of enforcement discretion under an applicable IDEM policy. Potentially applicable liability exemptions or IDEM policies include:

- ✓ the Stakeholder is a government entity exempt from liability under IC 13-25-4-8(e), IC 13-11-2-150(c), or IC 13-11-2-151(b);
- ✓ the Stakeholder is a creditor, lender, or fiduciary exempt from liability under IC 13-23-13-14, IC 13-24-1-10, or IC 13-25-4-8(c);
- ✓ the Stakeholder is not the statutory owner of an underground storage tank pursuant to IC 13-11-2-150(a) because the tanks were not used after November 8, 1984 and the Stakeholder was not the person who owned the tank immediately before the discontinuation of the tank's use;
- ✓ the Stakeholder is exempt from liability or eligible for a defense to liability as a bona fide prospective purchaser, contiguous property owner or innocent landowner pursuant to IC 13-25-4-8(b); and
- ✓ the Stakeholder satisfies the conditions of IDEM Nonrule Policy Document W-0047, "Property Containing Contaminated Aquifers" (20 IR 1674, January 30, 1997), or IDEM Nonrule Policy Document W-0038 "Property Containing Contaminated Aquifers/Underground Storage Tanks" (23 IR 2141, April 20, 2000).

Site Status Letter

A Site Status Letter is issued to a party that did not cause or contribute to or knowingly exacerbate the contamination and can demonstrate that current levels of contaminants of concern at the brownfield substantially meet current cleanup criteria as established by IDEM under the Risk Integrated System of Closure. The potential liability of the party requesting the letter is not addressed. The Site Status Letter states that based on a technical analysis of information submitted to IDEM pertaining to site conditions, IDEM concludes that current site conditions do not present a threat to human health or the environment and that IDEM does not plan to take or require a response action at the brownfield site.

INSTRUCTIONS: *Please complete this form (type or print legibly) and return it to the Indiana Brownfields Program to begin the process of assessing eligibility to receive a letter. Each request will be reviewed by the Indiana Brownfields Program and IDEM staff. Determinations of eligibility are made based on facts and data provided with the request. A decision on whether or not to issue a Comfort or Site Status Letter will be made approximately 60 days from receipt of the request. The complexity of technical issues pertaining to site conditions may increase staff review time. Please attach any additional documentation required if space on the form does not allow for a complete response.*

Contact Information

Letter Recipient		Organization/Community	
David Jordan		Jordan Manufacturing Properties, LLC	
Address: *(number and street, city, state and ZIP code)* 1200 S. 6th Street, Monticello, IN 47960			
Telephone Number 574-583-6008	Cell Number N/A	Fax Number N/A	E-mail Address davidj@jordanmanufacturing.com

Environmental Consultant Representing the Letter Recipient

Name(s)	Firm
Brian P. Wilson, Principal Transaction Services	August Mack Environmental, Inc.

Address: *(number and street, city, state and ZIP code)*
1302 N. Meridian Street, Suite 300, Indianapolis, Indiana 46202

Telephone Number	Cell Number	Fax Number	E-mail Address
317-916-3171		317-916-8001	bwilson@augustmack.com

Attorney Representing the Letter Recipient

Name(s)	Firm
David Starkweather	Stuart & Branigin

Address: *(number and street, city, state and ZIP code)*
300 Main Street, Suite 900 P.O. Box 1010
Lafayette, Indiana 47902

Telephone Number	Cell Number	Fax Number	E-mail Address
(765) 428-7065		(765) 742-8175	das@stuartlaw.com

Site Information

Site or Project Name(s)

Former Bon L. Manufacturing Company

Address: *(number and street, city, state and ZIP code)*
508 E. Wilson Street, Kentland, IN 47951

IDEM Site Number	US EPA Site Number	Size in acres
VCP Number 6130501	IND057396608	25-acres

Current Owner:	Address: *(number and street, city, state and ZIP code)*
El Campo GP LLC, a Virginia Limited Liability Company	PO Box 428 Susan Dooley Newnan, GA 30265

Telephone Number	Cell Number	E-mail Address
(770) 254-7682		JECourtney@bonlalum.com

Property Status

Current Status: (*Check all that apply*)

☒Private Owner ☐Public Owner ☐In Bankruptcy ☐Abandoned ☐Inactive ☐Underutilized ☐Tax delinquent ☐Other *(please specify)* _____

Environmental Documentation Submitted for Review: (*Check all that apply*)

☒Phase I Environmental Site Assessment-After 11/1/06 must comply with federal All Appropriate Inquiry Rule* ☐Phase II Environmental Site Assessment

☒Sampling Results ☒Further Site Characterization ☐Other (*please specify*) _____
**contact the Indiana Brownfields Program if you have questions*

The Site will be:

☒Sold ☐Leased ☐Used by governmental entity ☐Gifted ☐ Other (*please specify*) _Already Purchased_____ ☐ Undecided

Potential or intended reuse of property: (*Check all that apply*)

☐Commercial ☒Industrial ☐Residential ☐Mixed Use ☐ Park ☐Green Space ☐Other (*please specify*) _____ ☐ Undecided

Community Involvement/Public Participation: (*Check all that apply*)

☐Community notification by news media ☐Public Meeting(s) ☐ Letter(s) of community support ☐Community work group

☒Community input was not sought

How did you hear about the Indiana Brownfields Program? (*Check all that apply*)

☐Indiana Brownfields Program staff, brochure, or web site ☐ Other State Program/Agency ☐ EPA ☒ Consultant ☐Other (please specify) _____

Signature

I hereby request an Indiana Brownfields Program: ☒Comfort Letter ☐Site Status Letter

Signature of Letter Recipient or Authorized Representative	**Date** (*month, day, year*)
[signature]	11/21/16

ATTACHMENT B

Indiana Brownfields Program
BFPP Comfort Letter Request Checklist

Indiana Brownfields Program
Comfort/Site Status Letter Request
Supplemental Information

Please include the following information in a transmittal letter with your *Comfort and Site Status Letter Request Form* to facilitate the review of your request:

1. Identify the basis in statute or enforcement discretion policy for the Comfort Letter request:
   - *the Stakeholder is a government entity exempt from liability under IC 13-25-4-8(e), IC 13-11-2-150(d), or IC 13-11-2-151(b);*
   - *the Stakeholder is a creditor, lender, or fiduciary exempt from liability under IC 13-23-13-14 (IC 13-11-2-150(b)), IC 13-23-13-15, IC 13-24-1-10 (IC 13-11-2-151(d)), IC 13-24-1-11, or IC 13-25-4-8(c);*
   - *the Stakeholder is not the statutory owner of an underground storage tank pursuant to IC 13-11-2-150(a) because the tank was not used after November 8, 1984 and the Stakeholder was not the person who owned the tank immediately before the discontinuation of the tank's use;*
   - *the Stakeholder is exempt from liability or eligible for a defense to liability as a bona fide prospective purchaser (BFPP), contiguous property owner (CPO) or innocent landowner (ILO) pursuant to IC 13-25-4-8(b), IC 13-11-2-150(f), IC 13-11-2-150(g), IC 13-11-2-151(g), or IC 13-11-2-151(h);*
   - *the Stakeholder is a nonprofit corporation exempt from liability under IC 13-25-4-8(h), IC 13-11-2-150(e), or IC 13-11-2-151(f); or,*
   - *the Stakeholder satisfies the conditions of IDEM Nonrule Policy Document W-0047, "Property Containing Contaminated Aquifers" (20 IR 1674, January 30, 1997), or IDEM Nonrule Policy Document W-0038 "Property Containing Contaminated Aquifers/Underground Storage Tanks" (23 IR 2141, April 20, 2000).*
2. Identify the parcel(s) comprising the site and the corresponding 18-digit parcel number(s)
3. A legible copy of the recorded deed(s) or a surveyed legal description(s) for the parcel(s) comprising the site*
4. The date of property acquisition (or proposed property transfer/closing date)
5. A black & white site map (no aerial photos) depicting property boundaries, parcel(s) & parcel number(s)
6. A site redevelopment/design plan (if available)

If the basis for a Comfort Letter request is the BFPP liability exemption, please complete the attached checklist of additional information required to be submitted with your Comfort Letter request.

The following additional information *may* be requested following Program review of available site investigation data/reports:

1. Data table(s) with sample results compared to applicable IDEM screening levels (e.g., residential, commercial/industrial, recreational)
2. A black & white map (no aerial photos) with contaminant locations above applicable IDEM screening levels
3. A table with GPS coordinates of sample locations at which contaminants of concern have been detected above applicable IDEM screening levels
4. A Site map with survey or GPS coordinates establishing the boundaries of any "Affected Area" to which a land use restriction will be tied

**Note*: *if you are a prospective purchaser, and an environmental restrictive covenant is required to be recorded on the deed(s) for the site, your new deed(s) will be utilized at the time of recording.*

Indiana Brownfields Program
BFPP (Bona Fide Prospective Purchaser) Comfort Letter Request Checklist

Date of Phase I report: 10 / 13 / 2016

Entity for which the Phase I report/Phase I Update was prepared (User): Jordan Manufacturing Properties, LLC

Which of the following describes the User? (check the applicable box):

- [x] Prospective Purchaser (has not purchased)
- [ ] Prospective Tenant (has not executed lease)
- [ ] Current Owner (seller or already purchased)
- [ ] Current Tenant (seeking liability protection under existing lease or intending to buy)

Is the User the stakeholder requesting the Comfort Letter? [x] Yes [ ] No

Who answered the User-specific questions in the Phase I/Phase I Update? Mr. David Jordan

- Were the questions answered on behalf of the BFPP seeking comfort? [x] Yes [ ] No

If the User identified above is not the BFPP, has the BFPP obtained a Phase I Update in its name and/or a reliance letter to utilize the Phase I report? [ ] Yes [ ] No

- If yes: Date of the Phase I Update or reliance letter obtained for the BFPP? ____/____/_____
- If yes: Did the BFPP complete a User-questionnaire for itself when obtaining the Phase I Update or reliance letter [ ] Yes [ ] No

Phase I report completed within 180 days of (prior to) acquisition (clock on 180 days and one-year shelf life of Phase I report begins ticking from the date on which the earliest report information is collected, NOT the date of the report)?[1] [x] Yes [ ] No

- If no: Has the User/BFPP obtained a Phase I Update? [ ] Yes [ ] No
- If yes: Date of the Phase I Update: ____/____/_____

	Date Conducted	Expiration Date
(i) interviews with owners, operators, and occupants;	9/20/2016	3/19/2017
(ii) searches for recorded environmental cleanup liens;	10/12/2016	4/10/2017
(iii) reviews of federal, tribal, state, and local government records;	8/30/2016	2/26/2017
(iv) visual inspections of the *property* and of *adjoining properties*; and,	9/2/2016	3/1/2017
(v) declaration by the environmental professional	10/13/2016	4/11/2017

Report Viability Date (based on earliest expiration date from above-listed items): 2/26/2017

[1] *The "continuing viability" component of the ASTM standard requires updates after 180 days from the earliest date of collection of interviews with owners, operators & occupants; environmental lien search; government database search; visual inspections/site reconnaissance; and, the Environmental Professional declaration. In any case, if a different User relies on the report, the new User must satisfy the User Responsibilities.*

Indiana Brownfields Program
BFPP (Bona Fide Prospective Purchaser)
Comfort Letter Request Checklist (*continued*)

Do the Phase I User name and the name of the purchasing entity (to be) listed on the deed match exactly?

[x] Yes [ ] No (If no, need to obtain a reliance letter or a Phase I Update and a complete a new User Questionnaire on behalf of the correct entity)

Phase I/Phase I Update completed in accordance with ASTM E1527-05 or 40 CFR Part 312? [x] Yes [ ] No

Phase I signed by qualified Environmental Professional with the required certification statement? [x] Yes [ ] No

Is the BFPP "affiliated with" another party who is potentially liable at the site? [ ] Yes [x] No

1. *Direct or indirect familial relationship?*
2. *Any contractual, corporate, or financial relationship (other than property transfer instrument)?*
3. *Reorganization of a business entity that was potentially liable?*

For sites already acquired, has the BFPP satisfied *continuing obligations* since acquisition?

1. *Provided all legally required notices with respect to discovery/release of hazardous substances*[2] [ ] Yes [ ] No [x] Not Applicable
2. *Taken reasonable steps to stop continuing releases, prevent any threatened future releases, prevent or limit exposure to any previously released hazardous substances* [ ] Yes [ ] No [x] Not Applicable
3. *Provided full cooperation, assistance and access to persons conducting response actions* [ ] Yes [ ] No [x] Not Applicable
4. *In compliance with any land use restrictions already established and not impeding the effectiveness or integrity of any institutional control employed at the site in connection with a response action* [ ] Yes [ ] No [x] Not Applicable
5. *Complied with any request for information or administrative subpoena issued by the U. S. EPA* [ ] Yes [ ] No [x] Not Applicable

[2] *If applying for comfort based on BFPP status for a petroleum-contaminated site, evaluate these criteria for petroleum releases rather than/in addition to hazardous substances.*

ATTACHMENT C

Study Site Property Card with Legal Description

Beacon™ Newton County, IN

Parcel Summary

Parcel ID	56-16-20-441-012.000-011
Tax Bill ID	013-04560-00
Map Reference #	15-20-441-012.000-13
Property Address	Vacant Land Wilson St Kentland, IN, 47951
Brief Legal Description	E 36' W1/2 Lot 2 Blk 2 Batton'S 1st Add Kentland (Note: Not to be used on legal documents)
Class	INDUSTRIAL VACANT LAND
Tax District	Kentland
Tax Rate Code	13065 - Adv Tax Rate
Property Type	73 - Industrial
Mortgage Co	N/A
Last Change Date	

Ownership

EI Camp GP, LLC
% The Wm L Bonnell Company
PO Box 428 Susan Dooley
Newnan, GA 30265

Land

Land Type	Soil ID	Act Front.	Eff. Depth	Size	Rate	Adj. Rate	Ext. Value	Infl. %	Value
PRIMARY		0	0	0.1653	$25,000.00	$58,000.00	$9,587.40	$0.00	$9,300.00

Valuation

Assessment Year	2016	2015	2014	2013	2012
Reason	Annual Adjustment	Annual Adjustment	Annual Adjustment	Annual Adjustment	GENERAL REVALUATION
As Of Date	1/1/2016	6/18/2015	8/1/2014	9/23/2013	3/1/2012
Land	**$9,800**	**$9,300**	**$9,300**	**$13,600**	**$6,900**
Land Res (1)	$0	$0	$0	$0	$0
Land Non Res (2)	$0	$0	$0	$0	$0
Land Non Res (3)	$9,800	$9,300	$9,300	$13,600	$6,920
Improvement	**$0**	**$0**	**$0**	**$0**	**$0**
Imp Res (1)	$0	$0	$0	$0	$0
Imp Non Res (2)	$0	$0	$0	$0	$0
Imp Non Res (3)	$0	$0	$0	$0	$0
Total	**$9,800**	**$9,300**	**$9,300**	**$13,600**	**$6,900**
Total Res (1)	$0	$0	$0	$0	$0
Total Non Res (2)	$0	$0	$0	$0	$0
Total Non Res (3)	$9,800	$9,300	$9,300	$13,600	$6,920

Tax History

	2015 Pay 2016	2014 Pay 2015	2013 Pay 2014	2012 Pay 2013	2011 Pay 2012
+ Spring Tax	$112.14	$104.92	$163.68	$82.36	$78.52
+ Spring Penalty	$0.00	$0.00	$0.00	$0.00	$0.00
+ Spring Annual	$0.00	$0.00	$0.00	$0.00	$0.00
+ Fall Tax	$112.14	$104.92	$163.68	$82.36	$78.52
+ Fall Penalty	$0.00	$0.00	$0.00	$4.12	$3.93
+ Fall Annual	$0.00	$0.00	$0.00	$0.00	$0.00
+ Delq NTS Tax	$0.00	$0.00	$82.36	$78.52	$0.00
+ Delq NTS Pen	$0.00	$0.00	$4.12	$7.85	$0.00
+ Delq TS Tax	$0.00	$0.00	$0.00	$0.00	$0.00
+ Delq TS Pen	$0.00	$0.00	$0.00	$0.00	$0.00
+ Other Assess	$13.31	$12.74	$21.46	$6.05	$3.77
+ Advert Fee	$0.00	$0.00	$0.00	$0.00	$0.00
+ Tax Sale Fee	$0.00	$0.00	$0.00	$0.00	$0.00
+ NSF Fee	$0.00	$0.00	$0.00	$0.00	$0.00
PTRC	$0.00	$0.00	$0.00	$0.00	$0.00
HMST Credit	$0.00	$0.00	$0.00	$0.00	$0.00
Circuit Breaker	$0.00	$0.00	$0.00	$0.00	$0.00
Over 65 CB	$0.00	$0.00	$0.00	$0.00	$0.00
= **Charges**	**$237.59**	**$222.58**	**$435.30**	**$261.26**	**$164.74**
- Surplus Transfer	$0.00	$0.00	$0.00	$0.00	$0.00
- Credits	($125.45)	($222.58)	($435.30)	($174.78)	($82.29)

	2015 Pay 2016	2014 Pay 2015	2013 Pay 2014	2012 Pay 2013	2011 Pay 2012
= **Total Due**	**$112.14**	**$0.00**	**$0.00**	**$86.48**	**$82.45**

Delinquent payments made after the fall due date will still show due in the year they were originally assessed. If paid, payment will show in the next tax year.

Payments

Year	Receipt #	Payment Date	Amount
2015 Pay 2016	1233978	4/29/2016	$125.45
2014 Pay 2015	1229602	11/10/2015	$104.92
2014 Pay 2015	1218964	5/11/2015	$117.66
2013 Pay 2014	1206180	11/6/2014	$163.68
2013 Pay 2014	1193595	5/1/2014	$189.26
2013 Pay 2014	1189281	12/19/2013	$82.36
2012 Pay 2013	1173447	5/1/2013	$88.41
2012 Pay 2013	1169541	3/19/2013	$7.85
2012 Pay 2013	1169370	1/25/2013	$78.52
2011 Pay 2012	1157373	5/9/2012	$82.29

Transfer History

Date	New Owner	Doc ID	Book/Page	Sale Price
12/28/2012	EI Camp GP, LLC			$0.00
	Capitol Products Corporation A Delaw			$0.00

Property Record Cards

56-16-20-441-012.000-011.pdf

Map

No data available for the following modules: Residential Dwellings, Improvements, Deductions, Notes, Sketches.

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Beacon™ Newton County, IN

Parcel Summary

Parcel ID	56-16-20-441-011.000-011
Tax Bill ID	013-08080-00
Map Reference #	15-20-441-011.000-13
Property Address	Vacant Land Wilson St Kentland, IN, 47951
Brief Legal Description	Pt Se Sec 20 T27n R9w .63 Acres Kentland (Note: Not to be used on legal documents)
Class	INDUSTRIAL VACANT LAND
Tax District	Kentland
Tax Rate Code	13065 - Adv Tax Rate
Property Type	73 - Industrial
Mortgage Co	N/A
Last Change Date	

Ownership

El Campo GP LLC, a Virginia Limited Liability Company
% The Wm L Bonnell Company
PO Box 428
Newnan, GA 30265

Land

Land Type	Soil ID	Act Front.	Eff. Depth	Size	Rate	Adj. Rate	Ext. Value	Infl. %	Value
SECONDARY		0	0	0.6300	$18,800.00	$18,800.00	$11,844.00	$0.00	$11,490.00

Valuation

Assessment Year	2016	2015	2014	2013	2012
Reason	Annual Adjustment	Annual Adjustment	Annual Adjustment	Annual Adjustment	GENERAL REVALUATION
As Of Date	1/1/2016	6/18/2015	8/1/2014	9/23/2013	3/1/2012
Land	**$12,100**	**$11,500**	**$11,500**	**$11,500**	**$11,500**
Land Res (1)	$0	$0	$0	$0	$0
Land Non Res (2)	$0	$0	$0	$0	$0
Land Non Res (3)	$12,100	$11,500	$11,500	$11,500	$11,490
Improvement	**$0**	**$0**	**$0**	**$0**	**$0**
Imp Res (1)	$0	$0	$0	$0	$0
Imp Non Res (2)	$0	$0	$0	$0	$0
Imp Non Res (3)	$0	$0	$0	$0	$0
Total	**$12,100**	**$11,500**	**$11,500**	**$11,500**	**$11,500**
Total Res (1)	$0	$0	$0	$0	$0
Total Non Res (2)	$0	$0	$0	$0	$0
Total Non Res (3)	$12,100	$11,500	$11,500	$11,500	$11,490

Tax History

	2015 Pay 2016	2014 Pay 2015	2013 Pay 2014	2012 Pay 2013	2011 Pay 2012
+ Spring Tax	$138.66	$129.75	$138.41	$137.27	$90.78
+ Spring Penalty	$0.00	$0.00	$0.00	$0.00	$0.00
+ Spring Annual	$0.00	$0.00	$0.00	$0.00	$0.00
+ Fall Tax	$138.66	$129.75	$138.41	$137.27	$90.78
+ Fall Penalty	$0.00	$0.00	$0.00	$6.86	$4.54
+ Fall Annual	$0.00	$0.00	$0.00	$0.00	$0.00
+ Delq NTS Tax	$0.00	$0.00	$137.27	$90.78	$0.00
+ Delq NTS Pen	$0.00	$0.00	$6.86	$9.08	$0.00
+ Delq TS Tax	$0.00	$0.00	$0.00	$0.00	$0.00
+ Delq TS Pen	$0.00	$0.00	$0.00	$0.00	$0.00
+ Other Assess	$21.46	$20.76	$18.15	$10.09	$4.36
+ Advert Fee	$0.00	$0.00	$0.00	$0.00	$0.00
+ Tax Sale Fee	$0.00	$0.00	$0.00	$0.00	$0.00
+ NSF Fee	$0.00	$0.00	$0.00	$0.00	$0.00
PTRC	$0.00	$0.00	$0.00	$0.00	$0.00
HMST Credit	$0.00	$0.00	$0.00	$0.00	$0.00
Circuit Breaker	$0.00	$0.00	$0.00	$0.00	$0.00
Over 65 CB	$0.00	$0.00	$0.00	$0.00	$0.00
= **Charges**	**$298.78**	**$280.26**	**$439.10**	**$391.35**	**$190.46**
- Surplus Transfer	$0.00	$0.00	$0.00	$0.00	$0.00
- Credits	($160.12)	($280.26)	($439.10)	($247.22)	($95.14)

	2015 Pay 2016	2014 Pay 2015	2013 Pay 2014	2012 Pay 2013	2011 Pay 2012
= **Total Due**	**$138.66**	**$0.00**	**$0.00**	**$144.13**	**$95.32**

Delinquent payments made after the fall due date will still show due in the year they were originally assessed. If paid, payment will show in the next tax year.

Payments

Year	Receipt #	Payment Date	Amount
2015 Pay 2016	1233980	4/29/2016	$160.12
2014 Pay 2015	1229603	11/10/2015	$129.75
2014 Pay 2015	1218963	5/11/2015	$150.51
2013 Pay 2014	1206181	11/6/2014	$138.41
2013 Pay 2014	1193597	5/1/2014	$163.42
2013 Pay 2014	1189279	12/19/2013	$137.27
2012 Pay 2013	1173449	5/1/2013	$147.36
2012 Pay 2013	1169544	3/19/2013	$9.08
2012 Pay 2013	1169371	1/25/2013	$90.78
2011 Pay 2012	1157374	5/9/2012	$95.14

Transfer History

Date	New Owner	Doc ID	Book/Page	Sale Price
12/28/2012	El Campo GP LLC, a Virginia Limited			$0.00
	Capitol Products Corporation A Delaw			$0.00

Property Record Cards

56-16-20-441-011.000-011.pdf

Map

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Beacon™ Newton County, IN

Parcel Summary

Parcel ID	56-16-20-442-004.000-011
Tax Bill ID	013-01660-00
Map Reference #	15-20-442-004.000-13
Property Address	Vacant Land Wilson St Kentland, IN, 47951
Brief Legal Description	Lots 3, 4, 5, 6 & W 64' Lot 2 Blk 2 Batton'S First Add Kentland (Note: Not to be used on legal documents)
Class	INDUSTRIAL OTHER STRUCTURES
Tax District	Kentland
Tax Rate Code	13065 - Adv Tax Rate
Property Type	73 - Industrial
Mortgage Co	N/A
Last Change Date	

Ownership

El Campo GP LLC, a Virginia Limited Liability Company
% The Wm L Bonnell Company
PO Box 428 Susan Dooley
Newnan, GA 30265

Improvements

Descr	PC	Grade	Year Built	Eff Year	Cond	LCM	Size	Nbhd Factor	Mrkt Factor
Paving C 01	100	C	1973	1973	A	1.01	70500	1	1.24

Land

Land Type	Soil ID	Act Front.	Eff. Depth	Size	Rate	Adj. Rate	Ext. Value	Infl. %	Value
SECONDARY		0	0	1.7600	$18,800.00	$18,800.00	$33,088.00	$0.00	$32,100.00
UNDEVELOPED USABLE		0	0	1.8390	$12,500.00	$12,500.00	$22,987.50	$0.00	$22,300.00

Valuation

Assessment Year	2016	2015	2014	2013	2012
Reason	Annual Adjustment	Annual Adjustment	Annual Adjustment	Annual Adjustment	GENERAL REVALUATION
As Of Date	1/1/2016	6/18/2015	8/1/2014	9/23/2013	3/1/2012
Land	**$57,200**	**$54,400**	**$54,400**	**$54,400**	**$54,400**
Land Res (1)	$0	$0	$0	$0	$0
Land Non Res (2)	$0	$0	$0	$0	$0
Land Non Res (3)	$57,200	$54,400	$54,400	$54,400	$54,400
Improvement	**$33,600**	**$31,000**	**$31,600**	**$31,000**	**$29,800**
Imp Res (1)	$0	$0	$0	$0	$0
Imp Non Res (2)	$0	$0	$0	$0	$0
Imp Non Res (3)	$33,600	$31,000	$31,600	$31,000	$29,800
Total	**$90,800**	**$85,400**	**$86,000**	**$85,400**	**$84,200**
Total Res (1)	$0	$0	$0	$0	$0
Total Non Res (2)	$0	$0	$0	$0	$0
Total Non Res (3)	$90,800	$85,400	$86,000	$85,400	$84,200

Tax History

	2015 Pay 2016	2014 Pay 2015	2013 Pay 2014	2012 Pay 2013	2011 Pay 2012
+ Spring Tax	$1,029.71	$970.30	$1,027.83	$1,005.06	$753.28
+ Spring Penalty	$0.00	$0.00	$0.00	$0.00	$0.00
+ Spring Annual	$0.00	$0.00	$0.00	$0.00	$0.00
+ Fall Tax	$1,029.71	$970.30	$1,027.83	$1,005.06	$753.28
+ Fall Penalty	$0.00	$0.00	$0.00	$50.25	$37.66
+ Fall Annual	$0.00	$0.00	$0.00	$0.00	$0.00
+ Delq NTS Tax	$0.00	$0.00	$1,005.06	$753.28	$0.00
+ Delq NTS Pen	$0.00	$0.00	$50.25	$75.33	$0.00
+ Delq TS Tax	$0.00	$0.00	$0.00	$0.00	$0.00
+ Delq TS Pen	$0.00	$0.00	$0.00	$0.00	$0.00
+ Other Assess	$122.20	$117.82	$173.53	$95.58	$37.06
+ Advert Fee	$0.00	$0.00	$0.00	$0.00	$0.00
+ Tax Sale Fee	$0.00	$0.00	$0.00	$0.00	$0.00
+ NSF Fee	$0.00	$0.00	$0.00	$0.00	$0.00
PTRC	$0.00	$0.00	$0.00	$0.00	$0.00
HMST Credit	$0.00	$0.00	$0.00	$0.00	$0.00

	2015 Pay 2016	2014 Pay 2015	2013 Pay 2014	2012 Pay 2013	2011 Pay 2012
Circuit Breaker	$0.00	$0.00	$0.00	$0.00	$0.00
Over 65 CB	$0.00	$0.00	$0.00	$0.00	$0.00
= **Charges**	**$2,181.62**	**$2,058.42**	**$3,284.50**	**$2,984.56**	**$1,581.28**
- Surplus Transfer	$0.00	$0.00	$0.00	$0.00	$0.00
- Credits	($1,090.81)	($2,058.42)	($3,284.50)	($1,890.48)	($771.36)
= **Total Due**	**$1,090.81**	**$0.00**	**$0.00**	**$1,094.08**	**$809.92**

Delinquent payments made after the fall due date will still show due in the year they were originally assessed. If paid, payment will show in the next tax year.

Payments

Year	Receipt #	Payment Date	Amount
2015 Pay 2016	1233977	4/29/2016	$1,090.81
2014 Pay 2015	1229605	11/10/2015	$1,029.21
2014 Pay 2015	1218961	5/11/2015	$1,029.21
2013 Pay 2014	1206183	11/6/2014	$1,095.21
2013 Pay 2014	1193594	5/1/2014	$1,147.31
2013 Pay 2014	1189280	12/19/2013	$1,041.98
2012 Pay 2013	1173448	5/1/2013	$1,041.98
2012 Pay 2013	1169542	3/19/2013	$77.14
2012 Pay 2013	1169374	1/25/2013	$771.36
2011 Pay 2012	1157382	5/9/2012	$771.36

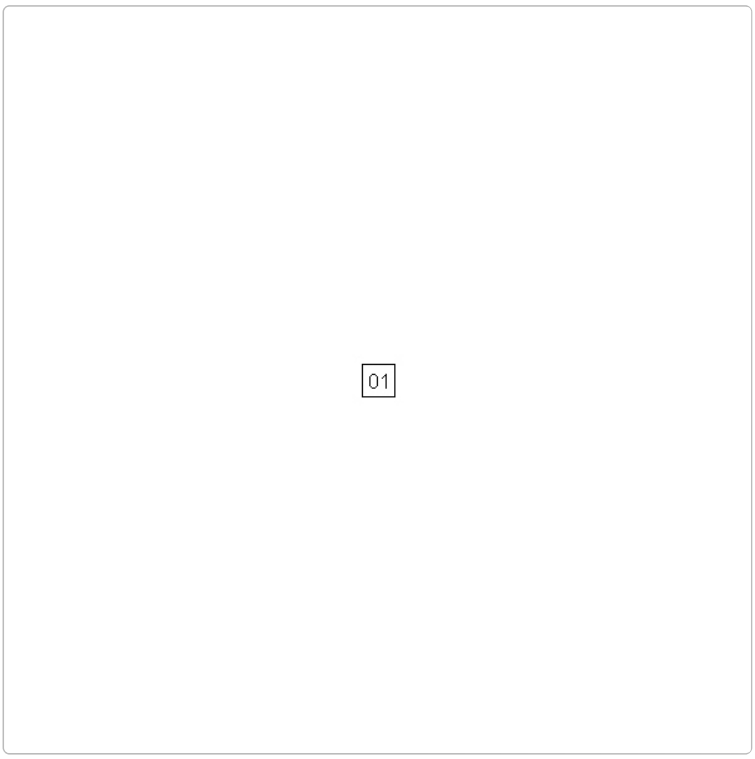
Transfer History

Date	New Owner	Doc ID	Book/Page	Sale Price
12/28/2012	El Campo GP LLC, a Virginia Limited			$0.00
	Capitol Products Corporation A Delaw			$0.00

Property Record Cards

56-16-20-442-004.000-011.pdf

Sketches



Map

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Parcel Summary

Parcel ID	56-16-20-800-005.001-011
Tax Bill ID	013-09280-00
Map Reference #	15-20-800-005.001-13
Property Address	N/A
Brief Legal Description	Pt Se Sec 20 T27n R9w 1.06 Acres Kentland (Note: Not to be used on legal documents)
Class	INDUSTRIAL VACANT LAND
Tax District	Kentland
Tax Rate Code	13065 - Adv Tax Rate
Property Type	73 - Industrial
Mortgage Co	N/A
Last Change Date	

Ownership

El Campo GP, LLC a Virginia Limited Liability Company
% The Wm L Bonnell Campany
PO Box 428 Susan Dooley
Newnan, GA 30265

Land

Land Type	Soil ID	Act Front.	Eff. Depth	Size	Rate	Adj. Rate	Ext. Value	Infl. %	Value
UNDEVELOPED USABLE		0	0	1.0600	$12,500.00	$0.00	$0.00	$0.00	$0.00

Valuation

Assessment Year	2016	2015	2014	2013	2012
Reason	Annual Adjustment	Annual Adjustment	Annual Adjustment	Annual Adjustment	GENERAL REVALUATION
As Of Date	1/1/2016	6/18/2015	8/1/2014	9/23/2013	3/1/2012
Land	**$14,300**	**$13,700**	**$13,700**	**$13,700**	**$13,700**
Land Res (1)	$0	$0	$0	$0	$0
Land Non Res (2)	$0	$0	$0	$0	$0
Land Non Res (3)	$14,300	$13,700	$13,700	$13,700	$13,650
Improvement	**$0**	**$0**	**$0**	**$0**	**$0**
Imp Res (1)	$0	$0	$0	$0	$0
Imp Non Res (2)	$0	$0	$0	$0	$0
Imp Non Res (3)	$0	$0	$0	$0	$0
Total	**$14,300**	**$13,700**	**$13,700**	**$13,700**	**$13,700**
Total Res (1)	$0	$0	$0	$0	$0
Total Non Res (2)	$0	$0	$0	$0	$0
Total Non Res (3)	$14,300	$13,700	$13,700	$13,700	$13,650

Tax History

	2015 Pay 2016	2014 Pay 2015	2013 Pay 2014	2012 Pay 2013	2011 Pay 2012
+ Spring Tax	$165.19	$154.57	$164.88	$163.53	$105.51
+ Spring Penalty	$0.00	$0.00	$0.00	$0.00	$0.00
+ Spring Annual	$0.00	$0.00	$0.00	$0.00	$0.00
+ Fall Tax	$165.19	$154.57	$164.88	$163.53	$105.51
+ Fall Penalty	$0.00	$0.00	$0.00	$8.18	$5.28
+ Fall Annual	$0.00	$0.00	$0.00	$0.00	$0.00
+ Delq NTS Tax	$0.00	$0.00	$163.53	$105.51	$0.00
+ Delq NTS Pen	$0.00	$0.00	$8.18	$10.55	$0.00
+ Delq TS Tax	$0.00	$0.00	$0.00	$0.00	$0.00
+ Delq TS Pen	$0.00	$0.00	$0.00	$0.00	$0.00
+ Other Assess	$29.60	$28.76	$31.62	$22.01	$5.07
+ Advert Fee	$0.00	$0.00	$0.00	$0.00	$0.00
+ Tax Sale Fee	$0.00	$0.00	$0.00	$0.00	$0.00
+ NSF Fee	$0.00	$0.00	$0.00	$0.00	$0.00
PTRC	$0.00	$0.00	$0.00	$0.00	$0.00
HMST Credit	$0.00	$0.00	$0.00	$0.00	$0.00
Circuit Breaker	$0.00	$0.00	$0.00	$0.00	$0.00
Over 65 CB	$0.00	$0.00	$0.00	$0.00	$0.00
= **Charges**	**$359.98**	**$337.90**	**$533.09**	**$473.31**	**$221.37**
- Surplus Transfer	$0.00	$0.00	$0.00	$0.00	$0.00
- Credits	($179.99)	($337.90)	($533.09)	($301.60)	($110.58)

	2015 Pay 2016	2014 Pay 2015	2013 Pay 2014	2012 Pay 2013	2011 Pay 2012
= **Total Due**	**$179.99**	**$0.00**	**$0.00**	**$171.71**	**$110.79**

Delinquent payments made after the fall due date will still show due in the year they were originally assessed. If paid, payment will show in the next tax year.

Payments

Year	Receipt #	Payment Date	Amount
2015 Pay 2016	1233979	4/29/2016	$179.99
2014 Pay 2015	1229606	11/10/2015	$168.95
2014 Pay 2015	1218962	5/11/2015	$168.95
2013 Pay 2014	1206182	11/6/2014	$180.69
2013 Pay 2014	1193596	5/1/2014	$188.87
2013 Pay 2014	1189283	12/19/2013	$163.53
2012 Pay 2013	1173445	5/1/2013	$185.54
2012 Pay 2013	1169543	3/19/2013	$10.55
2012 Pay 2013	1169372	1/25/2013	$105.51
2011 Pay 2012	1157377	5/9/2012	$110.58

Transfer History

Date	New Owner	Doc ID	Book/Page	Sale Price
12/28/2012	El Campo GP, LLC a Virginia Limited			$0.00
	Capitol Products Corporation A Delaw			$0.00

Property Record Cards

56-16-20-800-005.001-011.pdf

Map

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Beacon™ Newton County, IN

Parcel Summary

Parcel ID	56-16-20-442-001.000-011
Tax Bill ID	013-01670-00
Map Reference #	15-20-442-001.000-13
Property Address	508 E Wilson St Kentland, IN, 47951
Brief Legal Description	Pt Se Sec 20 T27n R9w 19.567 Acres Kentland (Note: Not to be used on legal documents)
Class	INDUSTRIAL MEDIUM MANUFACTURING & ASSEMBLY
Tax District	Kentland
Tax Rate Code	13065 - Adv Tax Rate
Property Type	73 - Industrial
Mortgage Co	N/A
Last Change Date	

Ownership

El Campo GP LLC, a Virginia Limited Liability Company
% The Wm L Bonnell Company
PO Box 428 Susan Dooley
Newnan, GA 30265

Improvements

Descr	PC	Grade	Year Built	Eff Year	Cond	LCM	Size	Nbhd Factor	Mrkt Factor
C/I Building C 02	100	D+2	1977	1977	F	1.01	215759	1	1.24
Fencing C 02	100	C	1973	1973	A	1.01	0	1	1.24

Land

Land Type	Soil ID	Act Front.	Eff. Depth	Size	Rate	Adj. Rate	Ext. Value	Infl. %	Value
PRIMARY		0	0	9.0000	$25,000.00	$25,000.00	$225,000.00	$0.00	$229,500.00
SECONDARY		0	0	5.5000	$18,800.00	$18,800.00	$103,400.00	$0.00	$105,470.00
UNDEVELOPED USABLE		0	0	5.0670	$12,500.00	$12,500.00	$63,337.50	$0.00	$64,600.00

Valuation

Assessment Year	2016	2016 (2)	2015	2014	2013
Reason	PTABOA DETERMINATION (FORM 115)	Annual Adjustment	Annual Adjustment	Annual Adjustment	Annual Adjustment
As Of Date	10/6/2016	1/1/2016	6/18/2015	8/1/2014	9/23/2013
Land	**$399,600**	**$399,600**	**$380,000**	**$380,000**	**$380,000**
Land Res (1)	$0	$0	$0	$0	$0
Land Non Res (2)	$0	$0	$0	$0	$0
Land Non Res (3)	$399,600	$399,600	$380,000	$380,000	$380,000
Improvement	**$748,900**	**$933,700**	**$860,700**	**$1,262,800**	**$1,353,100**
Imp Res (1)	$0	$0	$0	$0	$0
Imp Non Res (2)	$0	$0	$0	$0	$0
Imp Non Res (3)	$748,900	$933,700	$860,700	$1,262,800	$1,353,100
Total	**$1,148,500**	**$1,333,300**	**$1,240,700**	**$1,642,800**	**$1,733,100**
Total Res (1)	$0	$0	$0	$0	$0
Total Non Res (2)	$0	$0	$0	$0	$0
Total Non Res (3)	$1,148,500	$1,333,300	$1,240,700	$1,642,800	$1,733,100

Tax History

	2015 Pay 2016	2014 Pay 2015	2013 Pay 2014	2012 Pay 2013	2011 Pay 2012
+ Spring Tax	$14,959.74	$18,534.89	$20,858.72	$31,073.10	$35,911.12
+ Spring Penalty	$0.00	$0.00	$0.00	$0.00	$0.00
+ Spring Annual	$0.00	$0.00	$0.00	$0.00	$0.00
+ Fall Tax	$14,959.74	$12,877.83	$20,858.72	$31,073.10	$35,911.12
+ Fall Penalty	$0.00	$0.00	$0.00	$1,553.66	$1,795.56
+ Fall Annual	$0.00	$0.00	$0.00	$0.00	$0.00
+ Delq NTS Tax	$0.00	$0.00	$31,073.10	$35,911.12	$0.00
+ Delq NTS Pen	$0.00	$0.00	$0.00	$3,591.11	$0.00
+ Delq TS Tax	$0.00	$0.00	$0.00	$0.00	$0.00
+ Delq TS Pen	$0.00	$0.00	$0.00	$0.00	$0.00
+ Other Assess	$1,775.44	$1,907.18	$3,481.62	$3,288.31	$1,767.16
+ Advert Fee	$0.00	$0.00	$0.00	$0.00	$0.00
+ Tax Sale Fee	$0.00	$0.00	$0.00	$0.00	$0.00
+ NSF Fee	$0.00	$0.00	$0.00	$0.00	$0.00

		2015 Pay 2016	2014 Pay 2015	2013 Pay 2014	2012 Pay 2013	2011 Pay 2012
	PTRC	$0.00	$0.00	$0.00	$0.00	$0.00
	HMST Credit	$0.00	$0.00	$0.00	$0.00	$0.00
	Circuit Breaker	$0.00	$0.00	$0.00	$0.00	$0.00
	Over 65 CB	$0.00	$0.00	$0.00	$0.00	$0.00
=	**Charges**	**$31,694.92**	**$33,319.90**	**$76,272.16**	**$106,490.40**	**$75,384.96**
-	Surplus Transfer	$0.00	$0.00	$0.00	$0.00	$0.00
-	Credits	($15,847.46)	($33,319.90)	($76,272.16)	($72,665.06)	($36,773.15)
=	**Total Due**	**$15,847.46**	**$0.00**	**$0.00**	**$33,825.34**	**$38,611.81**

Delinquent payments made after the fall due date will still show due in the year they were originally assessed. If paid, payment will show in the next tax year.

Payments

Year	Receipt #	Payment Date	Amount
2015 Pay 2016	1233976	4/29/2016	$15,847.46
2014 Pay 2015	1229604	11/10/2015	$13,659.69
2014 Pay 2015	1218960	5/11/2015	$19,660.21
2013 Pay 2014	1206184	11/6/2014	$21,774.34
2013 Pay 2014	1193592	5/1/2014	$22,283.22
2013 Pay 2014	1189282	12/19/2013	$32,214.60
2012 Pay 2013	1173446	5/1/2013	$32,214.60
2012 Pay 2013	1169546	3/19/2013	$3,677.31
2012 Pay 2013	1169373	1/25/2013	$36,773.15
2011 Pay 2012	1157381	5/9/2012	$36,773.15

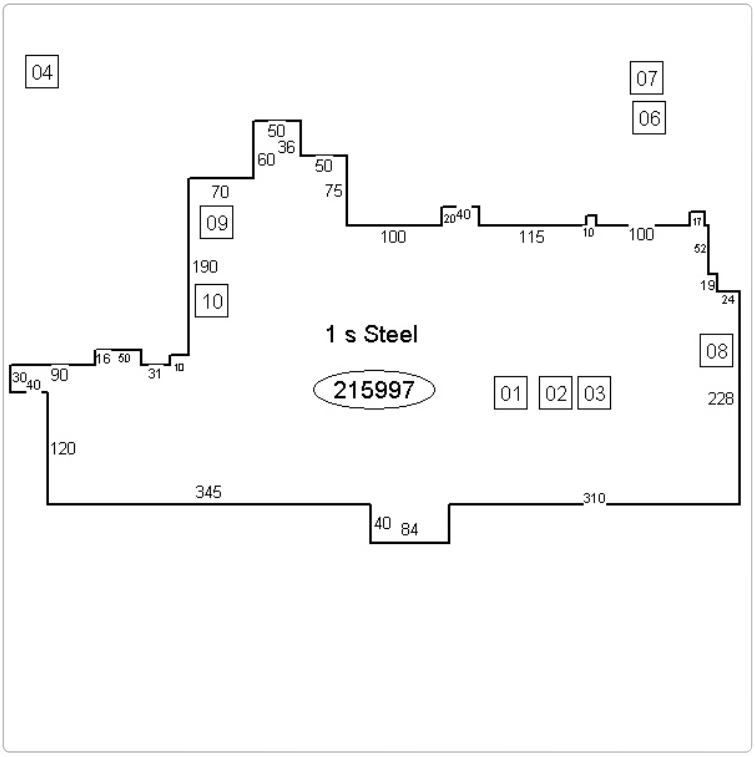
Transfer History

Date	New Owner	Doc ID	Book/Page	Sale Price
12/28/2012	El Campo GP LLC, a Virginia Limited			$0.00
	Capitol Products Corporation A Delaw			$0.00

Property Record Cards

56-16-20-442-001.000-011.pdf

Sketches



Map

No data available for the following modules: Residential Dwellings, Deductions, Notes.

Newton County, its employees, agents and personnel, makes no representation or warranty as to its accuracy, and in particular, its accuracy as to labeling, dimensions, contours, property boundaries, or placement or location of any map features thereon; nor to the accuracy of any other information contained thereon.

Last Data Upload: 11/3/2016 9:07:51 AM

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The Schneider Corporation

ATTACHMENT D

Phase I Environmental Site Assessment,
issued October 13, 2016 by August Mack Environmental, Inc.

August Mack
ENVIRONMENTAL

317-916-8000 • www.augustmack.com
1302 N. Meridian Street, Suite 300 • Indianapolis, Indiana 46202

October 13, 2016

Mr. David Jordan
Jordan Manufacturing Properties, LLC
1200 S. 6th Street
Monticello, Indiana 47960

RE: Final Report
Phase I Environmental Site Assessment
508 E. Wilson Street
Kentland, Indiana
August Mack Project Number JQ1387.710

Dear Mr. Jordan:

August Mack Environmental, Inc. (August Mack) has completed the Final Phase I Environmental Site Assessment (ESA) for the above-referenced Site. The final report was prepared in accordance with the Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13) issued by the American Society for Testing and Materials.

We trust that this submittal is responsive to your needs. Please contact us if you have any questions or comments regarding this submittal, or if we can be of additional service to you.

Sincerely,

Matt Brandvik
Environmental Site Assessor

Brian P. Wilson
Environmental Professional

PHASE I ENVIRONMENTAL SITE ASSESSMENT

508 E. Wilson Street
Kentland, Indiana

AME PROJECT #: JQ1387.710

PREPARED FOR:

Mr. David Jordan
Jordan Manufacturing Properties, LLC
1200 S. 6th Street
Monticello, Indiana 47960

PREPARED BY:

August Mack Environmental, Inc.
1302 N. Meridian Street, Suite 300
Indianapolis, Indiana 46202

ISSUE DATE:
October 13, 2016

August Mack
ENVIRONMENTAL

PHASE I ENVIRONMENTAL SITE ASSESSMENT
508 E. Wilson Street
Kentland, Indiana
August Mack Project Number JQ1387.710

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
508 E. Wilson Street
Kentland, Indiana
August Mack Project Number JQ1387.710

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
508 E. Wilson Street
Kentland, Indiana
August Mack Project Number JQ1387.710

1.0 EXECUTIVE SUMMARY

August Mack Environmental, Inc. (August Mack) has completed a Phase I Environmental Site Assessment (ESA) of the subject site located at 508 E. Wilson Street, Kentland, Newton County, Indiana (hereafter referred to as the "Study Site" or "Site"). The Phase I ESA was conducted in accordance with the Environmental Protection Agency (EPA) All Appropriate Inquiries (AAI) Rule (40 CFR Part 312) and American Society for Testing and Materials (ASTM) Standard E1527-13 (Standard Practice for Environmental Site Assessments).

At the time of inspection, the Study Site encompassed two (2) parcels totaling approximately 25-acres developed with one (1) 215,759-square-foot industrial warehouse and office building, which is currently vacant. The Site was reportedly used for agricultural purposes prior to 1972 when the Site building and a small maintenance building to the southeast were constructed. Aerial photographs were available for the Study Site dating back to 1977, at which time the Site was developed with the current industrial warehouse and office building on the central portion with a driveway and trailer storage to the north, as well as a parking lot to the south. Multiple additions occurred to the west side of the Site building in 1978 and 1983; and to the east side of the building in 1989 and 2000. The former maintenance building was reportedly demolished in 2000. The Site appeared similar to current configuration in 2015 when the trailer storage area appeared vacant. The Site was previously used for various manufacturing operations, including aluminum extrusion, aluminum painting, sulfuric acid anodizing, and incidental equipment maintenance and cleaning between 1972 and 2012 when operations ceased. City directories did not identify the Site address for any year reviewed between 1989 and 2009.

The Study Site was identified as Bon L. Manufacturing Company (Bon L.) on several regulatory databases, including the VCP database for the Site's 2014 enrollment in IDEM's Voluntary Remediation Program (VRP). An Initial investigation was conducted in 2012 following the plant closure. This investigation and subsequent investigations identified multiple areas of concern throughout the Site with contaminants identified in both soil and groundwater. Based on the soil sampling results, Bon L. excavated soils in multiple source areas to below the residential direct contact Screening Levels (SL). The results from groundwater sampling indicated multiple VOC groundwater plumes, which prompted Bon L. Manufacturing Company to enroll in IDEM's VRP. The responsible party, Bon L. Manufacturing Company, was accepted into the VRP in January 2014 and was assigned VRP #6130501. The Remediation Work Plan was approved on November 19, 2015. The methods selected for remediation and continued risk management in the RWP include

biosparging in the paint room, monitored natural attenuation (MNA) in the areas of chlorinated solvent plumes, and the implementation of an environmental restrictive covenant (ERC).

Following acceptance of the RWP and site investigation and remedial activities, results of two (2) groundwater monitoring events indicate reducing conditions, which is also supported by MNA parameter data. In addition, based on the reducing/stable concentrations for the paint room plume, Bon L. indicated that rather than biosparging, MNA will be the remedy for the area and they are currently working with IDEM to modify the RWP. Bon L. is also planning on excavating an approximately 900-square-foot area in the vicinity of the former incinerator to address the remaining soil impacts in the area, which is planned for early 2017. In addition, vapor intrusion (VI) sampling was performed to evaluate the vapor exposure pathway. The results of the 2014 sampling indicated that all contaminants of concern were below the commercial/industrial indoor air screening levels (SL). According to AMEC, a second round of VI sampling was conducted in July of 2016, and revealed all constituents were below their applicable SLs, with the exception of naphthalene. Naphthalene was identified in the indoor air above the commercial/industrial SL, but was not detected in the subslab sample. AMEC opined that the detection of naphthalene in the indoor air was likely due to construction and the building sitting stagnant with no power or ventilation for an extended period of time. Bon L. is planning an additional round of VI sampling once the building is in operation and intends to provide additional lines of evidence that VI is not a concern.

Bon L. intends to record an ERC to the deed prior to any property transaction. The restrictions identified in the draft ERC included residential land-use, including for purposes related to child care or education; the use or extraction of groundwater for purposes other than environmental investigations or remediation activities; and the construction or occupancy of a dwelling or work space within restricted areas on the northeast and southeast portions without the installation and maintenance of a vapor mitigation system. However, based on results of VI sampling it has been proposed that the vapor restrictions may be removed from the ERC.

Following any property transaction, Bon L. and their consultant and contractors will need continued access to the Site to complete the required remediation and monitoring activities until a Certificate of Completion is issued by IDEM. Based on conversations with Bon L. and their consultant, AMEC, they will need to complete eight quarters of sampling to demonstrate MNA, which they intend to have completed in 2018 with a request for closure in 2019.

Surrounding properties appeared primarily agricultural to the north in 1952; however, no coverage was available to the east, west, or south until 1977 when commercial development appeared to the east and southwest. The surrounding area appeared relatively unchanged from that time until approximately 1992 when the east adjoining property was commercially developed. The surrounding area appeared to reach its current configuration in 2005 when commercial development increased slightly to the southeast. None of the surrounding properties were determined to pose an environmental concern to the Study Site.

A summary of the findings from the assessment are provided below.

	Report Section	None	REC	CREC	HREC	Data Gap	Other	Comments
3.0	User-Provided Information	✔						
4.2	Environmental Records Search	✔						
4.3	Regulatory Agency File and Records Review		✔					The Site's active status in the VRP with contaminants present in soil and groundwater.
4.4	Vapor Encroachment Screening						✔	Refer to Section 4.4.
4.5	Historical Use Information	✔						
5.0	Site Reconnaissance	✔						
8.0	Non-Scope Considerations	✔						

2.0 INTRODUCTION

2.1 Property Description

The Study Site is located at 508 E. Wilson Street, Kentland, Newton County, Indiana. The Site is located on the west side of Kentland, approximately 0.9-mile from the city's center. The Study Site consists of five (5) parcels (56-16-20-441-011.000-011, 56-16-20-441-012.000-011, 56-16-20-442-001.000-011, 56-16-20-442-004.000-011, and 56-16-20-800-005-001-011) totaling approximately 25-acres, owned by El Campo GP LLC, a Virginia Limited Liability Company c/o The William L. Bonnell Company. The Site is developed with one (1) 215,759-square-foot industrial warehouse and office building located on the central portion of the Site with gravel driveways to the north and paved parking to the south. The remainder of the Site was covered with grassy vegetation. The location of the Site is depicted on a topographic map and aerial photograph, which are provided in Appendix A.

2.2 Purpose

The purpose of this assessment was to identify Recognized Environmental Conditions (RECs) at the Study Site. According to the ASTM Standard E1527-13, a REC is defined as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." The term "environment" and "release" are defined in CERCLA 42 U.S.C. § 9601(8)) and (22)), respectively.

2.3 Detailed Scope of Services

The scope of work for this assessment was completed in conformance with the standards and protocols set forth in the ASTM standard designation E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The scope of services for the Phase I ESA included an on-Site reconnaissance of the property, interviews with the property owner (or the key Site manager as designated by the owner) and persons knowledgeable about the Site, and a review of available environmental records concerning the property and surrounding area.

The review of the environmental history of the property was also conducted through a computerized database search of the relevant sites maintained by state and federal regulatory agencies. Pertinent regulatory agency files and records were reviewed for the property and adjoining properties that were identified on one or more of the standard environmental record sources. In addition, historical aerial photographs and other historical records were reviewed to help document past Site usage and the past usage of surrounding properties. An evaluation for vapor migration onto the property from known or potential contaminant sources was also performed. The assessment was conducted by or under the supervision or responsible charge of an Environmental Professional (EP), as defined by ASTM and 40 CFR §312.10(b).

2.4 Significant Assumptions

This Phase I ESA was conducted to ensure that the methodologies used meet the all appropriate inquiry requirements and are consistent with good commercial and customary practices to identify and analyze environmental conditions that constitute existing, past, or potential environmental risks associated with the Study Site. Performance, in accordance with this standard, is intended to reduce, but not entirely eliminate, uncertainty with respect to the potential RECs associated with the Study Site. Information regarding operations, conditions, and data provided by the client, user, owner, regulatory database provider, regulatory agencies, other providers of public record, or their representatives has been assumed to be correct and complete. The investigative requirements as stated in ASTM E1527-13 have been satisfied by this assignment with no significant deviations.

2.5 Limitations, Exceptions, and Deviations

The findings presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by August Mack and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances as established by the environmental consulting industry. To the extent that August Mack relied upon any information prepared by other parties not under contract to August Mack, August Mack makes no representation as to the accuracy or completeness of such information. Only the party for whom this report was originally prepared, and other specifically named parties, may make use of and rely upon the information in this report, in its entirety, for a period not to exceed 180 days in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13) and/ or the Standards and Practices for All Appropriate Inquiries: Final Rule (40 CFR Part 312). After 180 days and prior to using the information contained herein, components of the report are required to be updated in accordance with ASTM standards and federal regulations.

The findings presented in this report apply solely to site conditions existing at the time when August Mack's assessment was performed. It must be recognized, however, that a Phase I ESA is intended for the purpose of evaluating the potential for contamination through limited research and investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the Site may vary from those at the locations where data was collected. August Mack's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in Phase I ESA conclusions cannot reasonably be achieved. Therefore, August Mack does not provide any guarantees, certifications, or warranties (express or implied) that a property is free from environmental contamination. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and all applicable laws, codes, regulations, or standards.

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

2.6 Special Terms and Conditions

All appropriate inquiry into the prior uses of the property was made in accordance with good commercial and customary practices to identify and analyze RECs constituting existing, past, or potential environmental concerns in connection with the Study Site. This assessment did not include special terms and conditions outside the scope of ASTM E1527-13.

2.7 Report Reliance

This assessment was performed utilizing methods and procedures consistent with good commercial and customary practices designed to conform to acceptable industry standards. The report may be relied on by Jordan Manufacturing Properties, LLC and Jordan Manufacturing Properties, LLC. Reliance on the information and conclusions presented in this report by any other party(ies) is not authorized by August Mack.

3.0 USER-PROVIDED INFORMATION

The User of this report is Jordan Manufacturing Properties, LLC. Mr. David Jordan, Managing Partner of Jordan Manufacturing Properties, LLC, completed the User-provided information portion of this assessment. A completed copy of the User Questionnaire is included in Appendix B.

The User also provided several documents pertaining to the Site's Voluntary Cleanup Program (VCP) listing identified in the database report outlined in Section 4.2. The VCP listing is in reference with the Indiana Voluntary Remediation Program (VRP). A summary of the User-provided documents is provided in Section 4.3, in addition to pertinent documents available on the Indiana Department of Environmental Management (IDEM) Virtual File Cabinet (VFC). Copies of the reviewed documents are provided in Appendix G.

3.1 Environmental Liens

The User did not report any environmental liens for the Study Site parcel. According to the database report, no environmental liens were identified for the Study Site. The User provided a Corporate Warranty Deed dated December 31, 2012 which did not identify any environmental liens for the Site. A copy of the deed is provided in Appendix G.

3.2 Activity Use Limitations (AULs)

The User did not report any activity and use limitations (AULs) for the Study Site parcel. According to the database report, no AULs were identified for the Study Site. The User provided a Corporate Warranty Deed dated December 31, 2012 that did not identify any AULs for the Site. However, the User also provided a draft (undated) Environmental Restrictive Covenant (ERC) that identified multiple proposed restrictions for the Site, including: residential land-use restrictions, including child care and education purposes; the use or extraction of groundwater other than for environmental investigations and/or remediation activities; and the construction or occupancy of a dwelling or work space in two (2) restricted zones on the northeast and southeast portions without the installation and maintenance of a vapor mitigation system. According to interviews with Bon L. and AMEC, the ERC is going to be recorded on the deed prior to any property transaction. Additionally, it has been proposed by AMEC that the vapor restrictions be removed from the ERC based on the results of recent VI sampling conducted at the Site. Copies of the User-provided documents are provided in Appendix G.

3.3 Specialized Knowledge or Experience

The User did not report any specialized knowledge for the Study Site parcel.

3.4 Property Valuation Reduction for Environmental Issues

The User reported that the purchase price for the property was below fair market value due to environmental contamination at the Site.

3.5 Commonly Known or Reasonably Ascertainable Information

The User provided files regarding contamination and the Site's status in the VRP. Files reviewed are discussed further in Section 4.3.

3.6 Reason for Performing Phase I

The Phase I ESA report was prepared by August Mack at the request of Mr. David Jordan of Jordan Manufacturing Properties, LLC The ESA was requested in order to constitute all appropriate inquiry for the purposes of establishing CERCLA's Innocent Land Owner, Contiguous Property Owner, or Bona-fide Prospective Purchaser Landowner Liability Protection (LLP) defense.

4.0 RECORDS REVIEW

4.1 Physical Setting

The Study Site topography is gently rolling with an average surface elevation of approximately 715-feet above mean sea level. Surface drainage appears to flow via infiltration into the subsurface and runoff towards the adjacent properties. The area topography surrounding the Study Site is gently rolling with a general topographical gradient to the north towards Montgomery Ditch, a tributary of the Iroquois River.

The Study Site is located in a regional physiographic area called the Middle Wabash River Basin in the province referred to as the Tipton Till Plain. According to the Hydrogeologic Atlas of Aquifers in Indiana (Fenelon, Bobay, and Others, 1994), bedrock formations in the vicinity of the Site are comprised of Mississippian shale, siltstone, limestone, and sandstone.

According to information at the Natural Resource Conservation Service website, surficial soils on the Study Site are primarily comprised of Darroch loam (DgA), till substratum, 0 to 2 percent slopes, somewhat poorly drained; Foresman silt loam (FtA), till substratum, 0 to 2 percent slopes, eroded, moderately well drained; and Selma silty clay loam (Sk), till substratum, poorly drained. A copy of the soil survey map is provided in Appendix G.

Site specific groundwater flow information was available for the Study Site. According to a 2016 Groundwater Monitoring Report, shallow groundwater flow on-Site is to the general north. Any reference to hydraulic gradient is assumed based on this information. Factors such as utilities, groundwater wells, injection wells, and development can locally influence groundwater flow; therefore, hydraulic gradient is typically only one of the criteria considered when evaluating the likelihood of impact from a surrounding property.

4.2 Environmental Records Search

Files maintained by the United States Environmental Protection Agency (U.S. EPA) and the Indiana Department of Environmental Management (IDEM) were reviewed to determine the regulatory status of the Site and surrounding area. A computerized database search report obtained from Environmental Risk Information Services, Ltd. (ERIS) dated August 30, 2016, was reviewed regarding solid and hazardous waste management, emergency response, chemical spills, underground storage tanks (USTs), and leaking underground storage tanks (LUSTs) to determine, at a minimum, whether the facility or neighboring facilities: (1) are under investigation for violation of any environmental laws, regulations, or standards; (2) are listed on any environmental databases, including the CERCLA, Resource Conservation and Recovery Act (RCRA), UST notification lists, disposal sites, etc.; and (3) whether the facility has been the subject of any reported violations or complaints. Each standard database was searched to at least the approximate minimum search distance as identified in ASTM E1527-13. A summary of the regulatory records review information

obtained from the database report is presented in the table below, and the database report is provided in Appendix C.

Regulatory Report Summary

Database	Search Radius	Target Property	Within 0.12mi	0.12mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
ERNS	0.02	3	-	-	-	-	3
FINDS/FRS	0.02	1	1	-	-	-	2
HAZ WASTE SITES	1.0	1	2	1	1	6	11
HIS SPILLS	0.125	4	0	-	-	-	4
ICIS	0.02	3	-	-	-	-	3
RCRA CESQG	0.25	0	1	0	-	-	1
RCRA NON GEN	0.25	1	1	0	-	-	2
SPILLS	0.125	1	0	-	-	-	1
SWF	0.5	1	0	0	0	-	1
TRIS	0.02	26	-	-	-	-	26
TSCA	0.125	1	0	-	-	-	1
VCP	0.5	1	0	0	0	-	1

4.2.1 Listings for the Study Site

The Study Site was identified in the following databases:

Detail Summary

Site Name:	BON L. MANUFACTURING COMPANY
Databases:	ERNS, FINDS/FRS, HIS SPILLS, HAZ WASTE SITES, ICIS, RCRA NonGen, SPILLS, SWF, TRIS, TSCA, VCP
Address:	508 E. WILSON STREET
Distance:	On-Site
Direction:	On-Site
Elevation:	715-feet

Comments:	The Study Site was identified as Bon L. Manufacturing Company on several regulatory databases, including the Emergency Response Notification System (ERNS), Facility Index System/Facility Registry Service (FINDS/FRS), Historical (His) Spills, Hazardous (Haz) Waste Sites, Integrated Compliance Information System (ICIS), Resource Conservation and Recovery Act (RCRA) NonGenerator (NonGen), Spills, Indiana Permitted Solid Waste Facilities (SWF), Toxic Release Inventory System (TRIS), Toxic Substances Control Act (TSCA), and the Voluntary Cleanup Program (VCP) databases. The multiple ERNS and His Spills listings identified 1998, 2000, and 2002 incidents involving wastewater treatment sludge released due to equipment failures and/or a pipe leak. All incidents were listed as fixed by removing the exposed soil and/or installing a dike and using absorbent materials. One (1) Spill incident (35508) was identified in 2013 with an assigned to staff status; however, no additional information was available. The FINDS/FRS listing identified an association with several compliance reporting databases, as well as the state air and hazardous waste programs, and a National Pollutant Discharge Elimination System (NPDES) permit. The Haz Waste Sites listing identified available files on IDEM's Virtual File Cabinet (VFC). The ICIS listings identified administrative orders, a letter of violation/warning letter, and an order of consent pertaining to the state air program and the Site's NPDES permit. In addition, the Site was listed as a RCRA-Large Quantity Generator (LQG) between 1980 and 2015; and as a RCRA NonGen in 2002. A waste summary identified multiple hazardous substances associated with aluminum extruding, electroplating, and other manufacturing processes. Multiple general and pre-transport violations were identified for the Site between 1985 and 2007, which have all achieved compliance. The SWF listing identified the Site as a permitted solid waste facility, and the TRIS listing identified annual compliance reporting for reportable substances between 1987 and 2012. The TSCA listing identified compliance reporting for wastewater treatment products on the TSCA Chemical Substance Inventory. Lastly, the Site was identified on the VCP database under facility ID 11830. Refer to Section 4.3 for additional information.

4.2.2 Listings for the Surrounding Properties

The regulatory records that were identified within the search distance from the Study Site were evaluated using August Mack's professional judgment to determine the facility's potential impact to the Site. The factors considered in evaluating a facility's potential impact to the Site include the facility's distance from the Site, information about the regulated activities on the site, the topography

of the area, and the estimated groundwater flow direction. Listings of environmental significance are summarized in the tables below.

Detail Summary

Site Name:	MIKE'S MACHINE SHOP
Databases:	FINDS/FRS, HAZ WASTE SITES, RCRA-CESQG
Address:	120 LUTZ STREET
Distance:	Adjoining
Direction:	South-Southwest
Elevation:	Lower
Comments:	This property was listed on the FINDS/FRS, Haz Waste Sites, and RCRA-Conditionally Exempt Small Quantity Generator (CESQG) databases. The FINDS/FRS listing indicated an association with the IN-Facility Registry System (FRS), RCRAInfo, and IN-Tools for Environmental Management and Protection Organizations (TEMPO). The Haz Waste Sites listing identified available documents on IDEM's VFC. This facility was listed as a RCRA-CESQG of D002 (corrosive waste), D007 (chromium), and D008 (lead) in 1997 with no violations found. Refer to Section 4.3 for additional information.

Site Name:	JI CASE COMPANY
Databases:	HAZ WASTE SITES, RCRA NonGen
Address:	U.S HIGHWAY 24 & LUTZ ROAD
Distance:	Adjoining
Direction:	Southwest
Elevation:	Lower

Comments:	This property was listed on the Haz Waste Sites and RCRA Non Gen databases. The Haz Waste Sites listing identified available documents on IDEM's VFC. This facility was listed as a RCRA-Small Quantity Generator in 1992 of D001 (ignitable waste), with a current RCRA NonGen status with no violations found. Based on the regulatory status, and the lack of reported releases or violations, this property does not pose an environmental concern to the Site.

4.2.3 Orphan Site Summary

Unplottable sites are sites where incomplete address information exists, meaning the site could not be accurately plotted. Six (6) unplottable sites were identified in the database report. A review of the names and limited address information for these sites found none to pose known or potential environmental concern to the Study Site.

4.3 Regulatory Agency File and Records Review

The following regulatory records were reviewed as part of this assessment:

Study Site

The Study Site was identified on several standard regulatory record sources. August Mack reviewed pertinent documents provided by the User and available on IDEM's VFC pertaining to the Site's enrollment in the Indiana Voluntary Remediation Program (VRP) (identified on the VCP database described in Section 4.2). The responsible party, Bon L. Manufacturing Company, was accepted into the VRP in January 2014 and was assigned VRP #6130501. The Remediation Work Plan was approved on November 19, 2015. A summary of Site history and pertinent documents reviewed is provided below.

Historical Site Uses & Background Information

According to a Revised Remediation Work Plan (RRWP) completed on May 13, 2015 by Amec Foster Wheeler Environment & Infrastructure, Inc. (AFW), the Site was previously used for various manufacturing operations, including aluminum extrusion, aluminum painting, sulfuric acid anodizing, and incidental equipment maintenance and cleaning between 1972 and 2012. Two (2) wastewater treatment (WWT) systems were on-Site for the paint line and for the anodizing process. The paint line WWT system formerly located in the northwest portion of the Site building generated a chromium hydroxide filter cake which was designated hazardous waste in 1981. The anodizing process WWT system was added in the northwest portion of the Site building in 1983, and treated wastewater was discharged to Morrison Ditch located to the north of the Site. Both WWT systems ceased operation in 2003 when wastewater began discharging to the municipal sewer.

Several historical spills and excavations were identified in the RRWP, including the following:

- A fuel oil UST was installed when the Site building was first constructed in 1972. The UST was reportedly removed from the northwest corner of the Site building as part of a plant expansion. No closure documentation could be located by AFW.
- Plant personnel indicated that two (2) fuel oil aboveground storage tanks (ASTs) formerly located east of the northeast corner of the Site building were demolished in 1997 and the associated stained soil was excavated and properly disposed. No documentation could be located by AFW.
- In 1998, approximately 60-gallons of chromium hydroxide sludge was released to pavement located to the north of the exterior paint dock located on the northwest exterior of the Site building, and cleanup activities were conducted by plant personnel.
- In 2000, 100-gallons of chromium hydroxide sludge was released near the exterior paint dock located on the northwest exterior of the Site building, and cleanup activities were conducted by plant personnel.
- In 2005, soil was excavated in the vicinity of a former clarifier located outside the building north of the paint line in order to address past minor spills of treated wastewater and precipitated solids. Confirmatory soil samples were collected from the excavation and analyzed for total petroleum hydrocarbons (TPH), diesel range organics (DRO), and volatile organic compounds (VOCs), which revealed concentrations below industrial cleanup objectives.

Sampling Activities and VRP Approval

A Screening Investigation (SI) was conducted by Environmental Resources Management (ERM) in 2012 during and after the closure of the facility. A total of twenty-one (21) potential areas of concern (AOCs) were identified by ERM largely pertaining to visible interior and exterior staining and historical operations throughout the facility, as well as potential contamination associated with a former fuel oil UST located at the northwest corner of the Site building. Potential contaminants of concern (COCs) were identified by ERM as VOCs, semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), modified target analyte list (TAL) metals, total lead, hexavalent chromium, polychlorinated biphenyls (PCBs), and cyanide. The results of the 2012 soil sampling activities identified the following COCs at concentrations above their applicable excavation worker direct contact SL, including:

- Ethylbenzene and xylene in the area of the former paint line in the northwest portion of the Site building.
- Trichloroethene (TCE) in the area of the former maintenance shop on the southeast exterior of the Site building.

The source of the ethylbenzene and xylene was attributed to recurring minor spills of paints and paint thinner, while the source of the TCE was determined to be unknown.

In addition, the following COCs were identified above their applicable residential direct contact SLs (RDCSLs):

- TCE in the area of the former incinerator on the northeast portion of the Site.
- Benzo(a)pyrene (BaP) near the south employee parking lot.
- Arsenic in a background sample and near the former clarifier area.

The source of the TCE was determined to be unknown, the likely source of the (BaP) was later determined to be from asphalt particles in the employee parking lot, and the arsenic was determined to be within normal background concentrations for glacially derived soils in Northern Indiana.

After receiving the 2012 soil screening results, Bon L. Manufacturing Company decided to immediately excavate and remove contaminated soil in the areas with impacts above the excavation worker direct contact SLs. Excavations in the paint line area and near the former maintenance shop were to an approximate depth of 8-feet. Groundwater encountered near the paint line was stored and treated with activated carbon, before being discharged to the sanitary sewer with permission from IDEM and the local POTW. All impacted soils were disposed of off-Site and confirmatory floor and sidewall samples revealed that COCs were below their applicable IDEM SLs.

Additional soil sampling was conducted in 2014 to demonstrate that the confining unit beneath the maintenance and the former incinerator deceased to below the detection limit, and to delineate the unknown source of VOCs detected in the exterior paint dock area. Results revealed that the confining unit beneath the contamination in the above mentioned areas had not been impacted, and impacts were limited to shallow soils and groundwater. Soil samples from the exterior paint dock were all below the RDCSLs, and the source of contamination in the area was determined to be unknown.

Groundwater samples were collected throughout the Site between 2012 and 2014 from a total of thirty-three (33) monitoring wells. Multiple groundwater plumes were identified during sampling activities, including:

- **Former Maintenance Building Plume:** TCE, cis-1,2-Dichloroethene (cDCE), and vinyl chloride (VC) were detected at concentrations above their respective residential SL in an area that stretches from the southeast corner of the former maintenance building on the southeast exterior of the Site building to the northwest underneath the current Site building.
- **Former Incinerator Plume:** TCE and VC were detected at concentrations above their respective residential SLs and confined to an area along the northern edge of the former incinerator pad on the northeast portion of the Site.
- **Paint Room Plume:** Xylene, ethylbenzene, methyl ether ketone (MEK), and naphthalene (to be addressed as a VOC) were detected at concentrations above their respective residential

SLs in the former paint line area. Groundwater samples collected from surrounding monitoring wells were below laboratory detection limits, so the horizontal extent of these groundwater impacts was determined to be delineated.

- **Exterior Paint Room Plume:** TCE, VC, and 1,2-Dichloroethane (1,2-DCA) were detected at concentrations above their applicable residential SLs in the area of the former exterior paint dock located on the northwest exterior of the Site building. Groundwater samples collected from surrounding monitoring wells were below laboratory detection limits, so the horizontal extent of these groundwater impacts was determined to be delineated.

No specific source was identified for the TCE and associated daughter products based on RCRA listings from the facility. The source of the VOCs in the paint room area were determined to be from spills of paint and paint thinner (source areas in the Paint Room and Former Maintenance Building were removed in 2013.)

Four (4) metals exceeded the residential groundwater SL for total and dissolved metals, including arsenic, cobalt, manganese, and vanadium, throughout the Site.

To evaluate the vapor exposure pathway, paired subslab soil gas (SGss) and indoor air samples were collected from three (3) areas within the Site building in March of 2014. All samples were below the IDEM indoor air residential SL, with the exception of one (1) sample from the eastern portion of the Site building. However, the sample was found to be below the IDEM indoor air commercial/industrial SL at the time of the sampling event (screening levels for SGss samples used a 0.01 attenuation factor). According to AMEC Foster Wheeler (AMEC), environmental consultant for Bon L., a second round of vapor intrusion (VI) sampling was conducted in July of 2016; and revealed all constituents were below their applicable SLs, with the exception of naphthalene, which was identified in the indoor air above the commercial/industrial SL, but was not detected in the subslab sample. AMEC opined that the detection of naphthalene in the indoor air was likely due to the building sitting stagnant with no power or air ventilation for an extended period of time.

According to the RRWP, methods selected for remediation and continued risk management in the areas of VOC plumes discussed above include the following:

- Biosparging in the paint room area with petroleum impacts.
- Monitored natural attenuation (MNA) in the areas of chlorinated solvent plumes.
- An environmental restrictive covenant (ERC) restricting residential land use, groundwater use for potable purposes, and vapor mitigation requirements for occupied buildings in the areas of the former maintenance area and incinerator.

Current Site Conditions

Following acceptance of the RWP, results of two (2) groundwater monitoring events were available for August Mack's review (April 27, 2015 sampling event, to establish an updated baseline for comparison of future groundwater concentrations, and a September 10, 2015 follow-up monitoring event.) In addition, information regarding ongoing activities was obtained through interviews with Janette Courtney, Environmental Compliance Manager for Bon L. Results of the investigation and information obtained from Bon L. personnel are discussed below.

- **Paint Room Plume:** Groundwater samples generally showed a decrease in COC concentrations, however many concentrations are still above the residential groundwater SL.
- **Exterior Paint Dock Plume:** Results from the April 2015 sampling event showed a general decrease in VOC concentrations when compared to the March 2014 data; however, September 2015 sampling results indicated an increase in concentrations compared to the April 2015 data. Multiple VOCs remain above the residential groundwater SL.
- **Former Maintenance Area Plume:** Results from the source messenger well indicated reductions in VOC concentrations compared to the March 2014 data. Other messenger wells showed a moderate increase in cis-1,2-dichloroethene and vinyl chloride. Multiple VOCs remain above the residential groundwater SL.
- **Former Incinerator Area Plume:** Results indicated that VOC concentrations in the area of the former incinerator have increased when compared to the March 2014 sampling event. Multiple VOCs remain above the residential groundwater SL.
- Several total metals, including aluminum, chromium, cobalt, lead, iron, and manganese, were detected above their respective RGWT SL in samples collected from MW-1 located to the southeast of the Site building. However, no dissolved metals were detected at concentrations above their respective residential groundwater SLs.
- Total and/or dissolved manganese was detected in MW-10, MW-12, and MW-17. Only the dissolved manganese concentration in MW-17 exceeded the residential groundwater SL.

No groundwater samples were analyzed for total or dissolved metals in September 2015.

According to the groundwater monitoring report, the presence of TCE daughter products, cis-1,2-dichloroethane and vinyl chloride, throughout the Site is indicative of reducing conditions, which is also supported by MNA parameter data. In addition, based on substantial decreases in concentrations in the former paint room area, Bon L. plans on collecting additional data in March 2016 and re-evaluating the proposed biosparging. The report also indicated additional investigation is planned for the incinerator area, due to remaining soil contamination and increased VOC concentrations.

Bon L. personnel indicated that based on the reducing/stable concentrations in the paint room plume, MNA will be the remedy for the area and Bon L. is currently working with IDEM to modify the RWP. Bon L. is also planning on excavating an approximately 900-square-foot area in the vicinity of the former incinerator to address the remaining soil impacts in the area. Bon L. and its contractors will need continued access to the Site to complete the required remediation activities until a Certificate of Completion is issued by IDEM.

As a part of the 2015 RWP, ERM drafted an Environmental Restrictive Covenant (ERC) as part of risk management measures for the Site. The restrictions identified in the draft ERC included residential land-use, including for purposes related to child care or education; the use or extraction of groundwater for purposes other than environmental investigations or remediation activities; and the construction or occupancy of a dwelling or work space within restricted areas on the northeast and southeast portions without the installation and maintenance of a vapor mitigation system. However, based on results of VI sampling it has been proposed that the vapor restrictions may be removed from the ERC. Bon L. intends to record the ERC to the deed prior to any property transaction.

Lastly, the most recent Industrial/Hazardous Waste Site Inspection completed by IDEM on July 23, 2014, indicated that Bon L. Manufacturing Company was no longer in operation, and that all process waste was previously removed from the Site. The inspection form also indicated an active VRP status for TCE in groundwater and other remediation activities. No violations were observed and the Site was identified to be a RCRA-SQG.

Adjoining Properties

August Mack searched the IDEM VFC for records pertaining to the south-southwest adjoining machine shop at 120 Lutz Street, which was identified as Mike's Machine Shop in multiple regulatory databases, including the RCRA-CESQG database in 1997. No additional information beyond the database report was available for August Mack's review. However, as a part of the 2012 SI completed for the Site, one (1) groundwater monitoring well was installed in the southwest corner of the Site and hydraulically downgradient in relation to the machine shop. A groundwater sample collected from this monitoring well was analyzed for VOCs with all constituent concentrations below laboratory detection limits.

Portions of pertinent documentation are provided in Appendix G.

4.4 Vapor Encroachment Screening

A Vapor Encroachment Screen was conducted in accordance with ASTM E2600-15. A Vapor Encroachment Condition (VEC) is the presence or likely presence of chemicals of concern (COC) vapors in the vadose zone of the Site caused by the release of vapors from contaminated soil and/ or groundwater either on or near the Site. It should be noted, the screen is intended to reduce, but not eliminate, uncertainty regarding whether or not a VEC exists in connection with a property.

Through review of the database report and historical sources, several historical releases of various hazardous substances associated with former Site manufacturing operations were identified. In addition, a draft ERC identified two (2) areas located on the eastern portion of the Site for which residential and/or workplace use purposes would be prohibited due to vapor exposure from existing groundwater plumes. However, although a VEC may be present on the Site, based on VI sampling conducted as part of the VRP activities, it has been determined that VI pathway is not complete. Additional VI sampling is proposed as part of the VRP following occupancy to further verify this finding.

4.5 Historical Use Information

The Site was reportedly used for agricultural purposes prior to 1972 when the Site building was constructed. At the same time, a small maintenance building was also constructed at the southeast exterior of the Site building. Aerial photographs were available for the Study Site dating back to 1977, at which time the Site was developed with the current industrial warehouse and office building on the central portion with a driveway and trailer storage to the north, as well as a parking lot to the south. Multiple additions occurred to the west side of the Site building in 1978 and 1983; and to the east side of the building in 1989 and 2000. The former maintenance building was reportedly demolished in 2000. The Site appeared similar to current configuration in 2015 when the trailer storage area appeared vacant. City directories did not identify the Site address for any year reviewed between 1989 and 2009.

Surrounding properties appeared primarily agricultural to the north in 1952; however, no coverage was available to the east, west, or south until 1977 when commercial development appeared to the east and southwest. The surrounding area appeared relatively unchanged from that time until approximately 1992 when the east adjoining property was commercially developed. The surrounding area appeared to reach its current configuration in 2005 when commercial development increased slightly to the southeast. City directories identified the east adjoining property as B&G Garage & Tire between 1999 and 2009.

Copies of historical research documentation are included in Appendix D.

4.5.1 Sanborn Fire Insurance Maps

Sanborn Maps were not reviewed as part of this assessment.

4.5.2 City Directories Search

August Mack contracted Historical Information Gatherers (HIG) to search for city directories of the Study Site and surrounding area. The Site address was not listed on city directories for any year reviewed between 1989 and 2009.

Surrounding properties were commercial and industrial. Properties of environmental significance are presented in the table below.

Summary of Historical City Directories for the Surrounding Areas

Address	Occupant	Years Listed
504 Wilson Street (east adjoining)	B&G Garage & Tire	1999, 2004, and 2009

4.5.3 Aerial Photographs

August Mack contracted EDR to search for historical aerial photographs of the Study Site and surrounding area. In addition, aerial photographs were viewed using Google Earth. A summary of the aerial photographs are presented in the table below.

Summary of Historical Aerial Photographs

Year(s)	Study Site Description	Surrounding Property Description
1952	No coverage.	Primarily agricultural farmland with residences to the north. However, no coverage was available to the east, west, or south.
1977	The Site appears developed with the current industrial warehouse and office building on the central portion with driveway and trailer storage to the north, and a parking lot to the south.	Commercial development appears to the east and southwest.
1981	Similar to 1977 photograph with an addition to the western portion of the Site building.	Similar to 1977 photograph.
1987	Similar to 1981 photograph with additions to the eastern and western portions of the Site building.	Similar to 1981 photograph.
1992 1998 2003 2004	Similar to 1987 photograph.	Commercial development appears on the east adjoining property.
2005 2006 2007 2008 2010 2012	An addition to the eastern portion of the Site building is visible.	Commercial development increases slightly to the southeast; similar to current configuration.

Year(s)	Study Site Description	Surrounding Property Description
2015	The trailer storage area on the northern portion appears vacant; similar to current configuration.	Similar to current configuration.

4.5.4 Topographic Maps

Topographic Maps were not reviewed as part of this assessment.

4.5.5 Other Historical Sources

According to the 2015 RRWP summarized in Section 4.3, the Site was used for agricultural purposes prior to 1972 when the Site building was constructed. At the same time, a small maintenance building was also constructed at the southeast exterior of the Site building. Multiple additions occurred over the years, including to the west side of the Site building in 1978 and 1983. Additions to the east side of the building occurred in 1989 and 2000. The former maintenance building was demolished in 2000, and a former in-ground scale adjacent the maintenance building was also reportedly removed prior to 2012 when Site operations ceased. Additional former Site features included a sewer lift station on the southwest portion also Wilson Street, a wastewater holding tank along the western side of the Site building with a former fuel oil UST to the northeast. Propane tanks were formerly located in the northeast corner of the Site with an incinerator the south followed by an AST area, an electrical substation and manhole, and two (2) former oil ASTs further south. Additional information obtained from the 2015 RRWP and other pertinent documents has been incorporated throughout this report. Copies of the pertinent documentation are provided in Appendix G.

5.0 SITE RECONNAISSANCE

5.1 Site Reconnaissance Methodologies

A Site reconnaissance was conducted on September 2, 2016, by Mr. Matt Brandvik, Environmental Site Assessor for August Mack. At the time of the inspection, the weather was overcast with a temperature of 75 degrees Fahrenheit. The purpose of the inspection was to gather information regarding the environmental conditions at the Study Site and surrounding areas. Mr. Brandvik was unaccompanied during the inspection. The Site reconnaissance involved an inspection of the property and a brief inspection of the abutting and nearby properties. The borders of the Study Site were observed during the Site walk. Photographs taken during the Site inspection depicting general Site conditions are provided in Appendix E.

5.2 Site Use(s) and General Characteristics

At the time of the inspection, the Study Site was comprised of a vacant industrial building, currently being renovated. The Site was most recently occupied by Bon L. Manufacturing. Site operations included aluminum extruding and painting, sulfuric acid anodizing, and equipment maintenance and cleaning. A description of the Site and Site building are provided in the tables below.

Study Site Summary

Size of Site:	25-acres
General Topography:	Flat
Roads:	Wilson Street to the south
Parking:	Paved parking to the south
Exterior Storage Areas:	None
Unimproved Areas:	None
Surface Water:	None

Building Summary

Building Name:	Industrial
Number of Floors:	One
Square Feet:	215,759

Construction Date:	1972
Potable Water Supply:	Municipal
Sewage Disposal:	Municipal
Heating and Cooling Source:	Former boiler system

5.3 Vicinity Characteristics and Use(s) of Adjoining Properties

The Study Site is located in an area of agricultural and commercial development north of Wilson Street. A summary of the current uses of adjoining properties is presented in the table below.

Location	Description
North	Agricultural
South	Vacant land and commercial
East	Agricultural and commercial
West	Agricultural

5.4 Interior and Exterior Observations

At the time of the inspection, the interior of the Site building was undergoing renovation activities. The building was comprised primarily of open industrial space, with the exception of the office area to the north. No processing equipment formerly used at the facility was present during the inspection. Multiple construction related vehicles and construction debris was observed in the interior of the Site building.

The exterior of the Site consisted of gravel drives with paved parking to the south, with areas of grassy vegetation throughout.

5.4.1 Underground Storage Tanks

No evidence of underground storage tanks (USTs), such as vent or fill pipes, was observed at the Study Site at the time of inspection. According to the Remediation Work Plan, a fuel oil UST was formerly located northwest of the Site building, and was removed in 1983. No information regarding the size of the UST was available.

5.4.2 Aboveground Storage Tanks

No aboveground storage tanks (ASTs) were observed on the Study Site at the time of inspection. According to the Remediation Work Plan, two (2) fuel oil UST were formerly located northeast of the Site building and were removed in 1997. In addition, one (1) temporary

approximately 500-gallon diesel fuel AST was observed in the central portion of the Site building. No staining was observed in the vicinity of the AST and the AST appeared to be in good condition.

5.4.3 Hazardous Substances and Petroleum Products

Drums of investigation-derived waste were observed in the northern portion of the Site building. In addition, multiple 5-gallon containers of oil were observed in the eastern portion of the Site building.

5.4.4 Solid Waste

Multiple roll-off dumpsters were observed in the eastern portion of the Site building. No staining was observed in the vicinity of the dumpsters.

5.4.5 Polychlorinated Biphenyls (PCBs)

Although no longer commercially produced in the United States, PCBs may be present in products and materials produced before the 1979 PCB ban. Products that may contain PCBs include but are not limited to transformers, capacitors and other electrical equipment, oil used in motors and hydraulic systems, old electrical devices or appliances containing PCB capacitors and fluorescent light ballasts.

Two (2) pad-mounted transformers were observed on the east and west exterior of the Site building. No labels were observed indicating PCB status; however, the transformers appeared to be in good condition and no staining was observed in the vicinity.

5.4.6 Staining, Odors, Pooled Liquids and Stressed Vegetation

No evidence of staining, odors, pooled liquids, or stressed vegetation was observed on-Site at the time of the inspection.

5.4.7 Drains and Sumps

Multiple floor drains were observed within the Site building. According to Ms. Courtney, the Site is connected to the sanitary sewer system.

5.4.8 Pits, Ponds, And Lagoons

Multiple pits were observed within the Site building. According to representatives from Bon L., the rectangular pits were likely part of a stretch-wrap machine or parts for electrical connections for various equipment. The round manhole to the east received water pumped from a sump in the detached maintenance building, and from another sump near the northeast corner of the building that collected discharge from the original extrusion cooling tower and the water side of the oil/water separator. It originally drained to another sump near the south wall of the building, then to the city sewer. It was abandoned as the maintenance building was demolished.

5.4.9 Wells

Multiple monitoring wells were observed throughout the Site property. According to the RWP no potable water wells have ever been located at the Site.

6.0 INTERVIEWS

6.1 Interview with Past and Present Owner

Ms. Jannette Courtney, Environmental Compliance Manager with Bonnell Aluminum, was interviewed via email on September 20, 2016 and via telephone on September 22, 2016 and September 23, 2016. Ms. Courtney provided additional information regarding the ongoing remediation activities occurring at the Site. Information obtained from Ms. Courtney has been incorporated throughout this report.

6.2 Interview with Key Site Manager

Ms. Courtney was also identified as a Key Site Manager.

6.3 Interviews with Occupants

August Mack interviewed occupants conducting demolition and remodeling activities during the Site inspection. According to the occupants, they had not encountered any USTs during renovation activities, and were not aware of any other environmental issues in relation to the Site.

6.4 Interviews with Others

Ms. Leslie Miller, Project Manager with AMEC Foster Wheeler, was interviewed via telephone on September 22, 2016. Ms. Miller provided information regarding the ongoing remediation at the Site. In addition, representatives with Bon L. provided information via email on September 23, 2016, regarding the use of the pits identified at the Site. The information provided has been incorporated throughout this report.

6.5 Interviews with State and Local Government Officials

The following local government officials were interviewed as part of this assessment.

Interview Summary

Role:	Health Department
Title:	N/A
Name	N/A
Company:	Newton County Health Department
Method:	E-Mail Inquiry on August 29, 2016
Comments:	No response as of the publication date of this report.

Role:	Fire Department
Title:	Fire Chief
Name	N/A
Company:	Kentland Fire Department
Method:	E-Mail Inquiry on August 29, 2016
Comments:	No response as of the publication date of this report.

7.0 EVALUATION

7.1 Findings and Opinions

August Mack Environmental, Inc. (August Mack) has completed a Phase I Environmental Site Assessment (ESA) of the Study Site located at 508 E. Wilson Street, Kentland, Newton County, Indiana. At the time of inspection, the Study Site encompassed five (5) parcels totaling approximately 25-acres developed with one (1) 215,759-square-foot industrial warehouse and office building, which is currently vacant.

In the professional opinion of the Environmental Professional (EP) all appropriate inquiry has been made into the previous ownership and uses of the Study Site consistent with good commercial and customary practices in an effort to minimize liability. The intent of such an inquiry was to identify Recognized Environmental Conditions (RECs) at the Study Site. According to the American Society of Testing and Materials (ASTM) Standard E1527-13 (Standard Practice for Environmental Site Assessments), a REC is defined as "**the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.**" ASTM E1527-13 requires an EP opinion of the impact on the Study Site of conditions identified as findings of the assessment. This opinion is required to include a rationale for concluding that a finding is or is not currently a REC. Based on this requirement, the following findings and related opinions are offered:

On-Site

- The history of the property could only be researched back to 1977, at which time the property was developed with a large portion of current Site building. However, according to a 2015 RRWP described in Section 4.3, the Site was used for agricultural purposes prior to 1972. Since it is required that the property history be detailed back to its first developed use, a data failure has occurred. **Based on historical review, surrounding property use, and reported Site use prior to 1972, it is the opinion of the EP that this data failure is not considered significant and no further investigation into the previous uses of the Study Site is considered necessary.**

- The Study Site was identified as Bon L. Manufacturing Company (Bon L.) on several regulatory databases, including the VCP database for the Site's 2014 enrollment in IDEM's Voluntary Remediation Program (VRP). An Initial investigation was conducted in 2012 following the plant closure. This investigation and subsequent investigations identified multiple areas of concern throughout the Site with contaminants identified in both soil and groundwater. Bon L. Manufacturing Company was accepted into the VRP in January 2014 and was assigned VRP #6130501 with a Remediation Work Plan approved on November

19, 2015. Following acceptance of the RWP and site investigation and remedial activities, results of two (2) groundwater monitoring events indicate reducing conditions, which is also supported by Monitored Natural Attenuation (MNA) parameter data. Bon L. is currently working with IDEM to modify the RWP for MNA to be the remedial approach for the Site, along with the implementation of an ERC. Bon L. intends to excavate an approximately 900-square-foot area in the vicinity of the former incinerator to address the remaining soil impacts in the area, which is planned for early 2017. Bon L. is also planning an additional round of VI sampling once the building is in operation and intends to provide additional lines of evidence that VI is not a concern. Bon L. intends to record an ERC to the deed prior to any property transaction. The restrictions identified in the draft ERC included residential land-use, including for purposes related to child care or education; the use or extraction of groundwater for purposes other than environmental investigations or remediation activities; and the construction or occupancy of a dwelling or work space within restricted areas on the northeast and southeast portions without the installation and maintenance of a vapor mitigation system. However, based on results of VI sampling it has been proposed that the vapor restrictions may be removed from the ERC. Based on conversations with Bon L. and their consultant AMEC, they will need to complete eight quarters of sampling to demonstrate MNA, which they intend to have completed in 2018 with a request for closure in 2019. **Based on the Site's active status in the VRP with contaminants of concern in both soil and groundwater, it is the opinion of the EP that this finding constitutes a REC. Once the ERC is recorded on the property and restrictions are implemented to prevent exposure to constituents of concern and the Site has received closure from IDEM, any remaining on-Site contaminants will be considered a Controlled REC (CREC).**

Off-Site

- The south-southwest adjoining property at 120 Lutz Street was identified as Mike's Machine Shop on multiple regulatory databases, including the RCRA-CESQG database. This facility was listed as a RCRA-CESQG of D002, D007 and D008 in 1997 with no violations found. August Mack searched the IDEM VFC for records pertaining to the RCRA-CESQG listing; however, no additional information beyond what was indicated in the database report was available for August Mack's review. However, as a part of the 2012 SI completed for the Study Site, one (1) groundwater monitoring well was installed in the southwest corner of the Site and hydraulically upgradient in relation to the machine shop. A groundwater sample collected from this monitoring well was analyzed for VOCs and returned all concentrations below laboratory detection limits. Historical sources did not identify the machine shop for any years reviewed. **Therefore, based on the lack of reported releases or violations, the presumably short-term occupancy, and the lack of evidence indicative of the machine shop as a source of potential contamination**

on the southwest portion of the Site, it is the opinion of the EP that this finding does not constitute a REC.

- The east adjoining property at 504 Wilson Street was identified B&G Garage & Tire in city directories between 1999 and 2009. This facility was not listed on any regulatory databases. **Therefore, based on the lack of reported releases, violations, or regulatory database report listings, coupled with the hydraulically crossgradient location in relation to the Site, it is the opinion of the EP that this finding does not constitute a REC.**

7.2 Data Gaps

No significant data gaps were identified as part of this assessment.

7.3 Conclusions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 of the identified Study Site. Any exceptions to, or deletions from, this practice are described in Section 2.5 of this report. ***This assessment has revealed no evidence of RECs in connection with the Study Site except for the following:***

- ***The Site's active status in the VRP with contaminants of concern in both soil and groundwater.***

7.4 Limiting Conditions/Deviations

August Mack did not significantly delete or deviate from the recommended exercises set forth in ASTM Practice E1527-13 for Phase I Environmental Site Assessments when completing this Phase I ESA. The scope-of-work did not include consideration of any potential environmental conditions that are outside the scope of ASTM Practice E1527-13.

8.0 NON-SCOPE SERVICES

No non-scope considerations were included as part of this assessment.

9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. The resumes of the Environmental Professional and others involved with this project are included in Appendix F.

Prepared by:

August Mack Environmental, Inc.
1302 N. Meridian Street, Suite 300
Indianapolis, Indiana 46202
317-916-8000

Brian P. Wilson
Environmental Professional

10.0 REFERENCES

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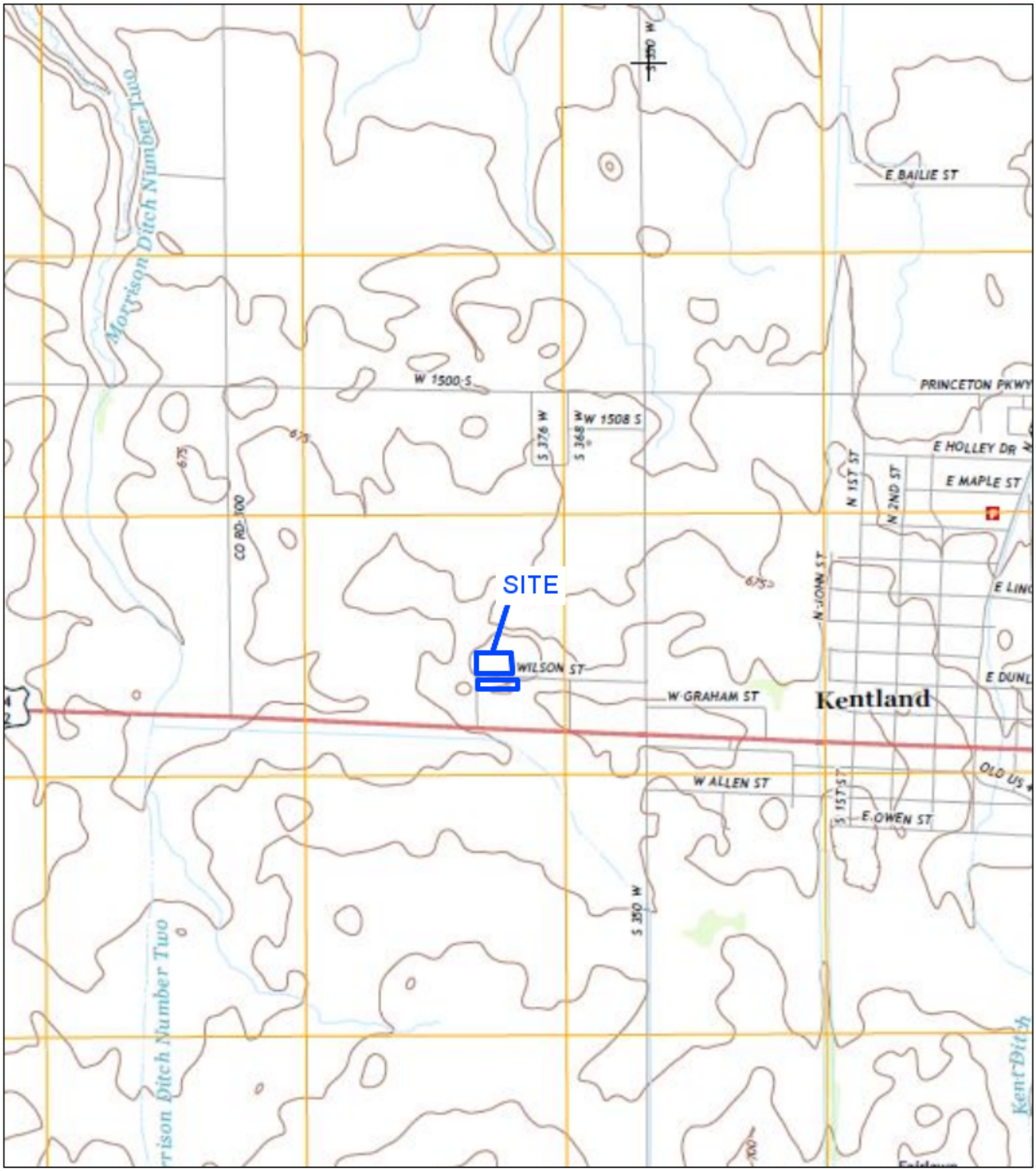
Appendix A - Figures

AERIAL PHOTOGRAPH

508 Wilson Street

Kentland, Indiana

August Mack
ENVIRONMENTAL



TOPOGRAPHIC MAP

508 Wilson Street

Kentland, Indiana

August Mack ENVIRONMENTAL

Appendix B -

User/Owner Provided Information

AugustMack
ENVIRONMENTAL

317.916.8000 ▪ www.augustmack.com
1302 North Meridian Street, Suite 300 ▪ Indianapolis, Indiana 46202

USER QUESTIONNAIRE

In order to qualify for one of the *Landowner Liability Protections* (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *"Brownfields Amendments"*), the *user* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that *"all appropriate inquiry"* is not complete.

Property Street Address: 508 Wilson St

City, State, Postal Code: Kenthood IN 47857

(1.) Did a search of recorded land title records (or judicial records[1] where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law? yes ☐ no ☐ still working on.

If yes, describe:

(2.) Did a search of recorded land title records (or judicial records where appropriate) identify any AULs (activity and use limitations), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded against the property under federal, tribal, state or local law? yes ☐ no ☐ I don't know

If yes, describe:

(3.) As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? *For example: (Are you involved in the same line of business as the current or former occupants of the property or adjoining properties so that you have specialized knowledge of the chemicals and processes used by this type of business?)* yes ☐ no ☒

If yes, describe:

(4.) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? yes ☐ no ☒

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?
yes ☒ no ☐ some

[1] In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be reached for environmental liens and AULs.

(5.) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? *For example, as user:*

(a.) Do you know the past uses of the property? yes ☐ no ☒
If yes, describe:

(b.) Do you know the specific chemicals that are present or once were present at the property? yes ☐ no ☒ **If yes, describe:**

(c.) Do you know of spills or other chemical releases that have taken place at the property? yes ☐ no ☒ **If yes, describe:**

(d.) Do you know of any environmental cleanups that have taken place at the property?
yes ☒ no ☐ **If yes, describe**
I sent you what I Received on the EPA.

(6.) As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property? yes ☐ no ☐
If yes, describe:

Completed by:
(Please include name and title of person completing questionnaire and relationship to user)

Print Name: David Jordan Signature: [signature] Date: 10/12/16
Company Name: Jordan Properties LLC Title: Managing Partner

Appendix C -

Regulatory Information

DATABASE REPORT

Project Property:	*JQ1387.710 - 508 E. Wilson Street* *508 E. Wilson Street* *Kentland IN*
Project No:	
Report Type:	*Database Report*
Order No:	*20160829023*
Requested by:	*August Mack Environmental, Inc.*
Date Completed:	*August 30, 2016*

Environmental Risk Information Services
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

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Executive Summary

Property Information:

Project Property:	*JQ1387.710 - 508 E. Wilson Street* *508 E. Wilson Street Kentland IN*
Project No:	
Coordinates:	
Latitude:	*40.771311*
Longitude:	*-87.46506*
UTM Northing:	*4,513,474.90*
UTM Easting:	*460,752.79*
UTM Zone:	*UTM Zone 16T*
Elevation:	*715 FT*

Order Information:

Order No:	*20160829023*
Date Requested:	*August 29, 2016*
Requested by:	*August Mack Environmental, Inc.*
Report Type:	*Database Report*

Historicals/Products:

City Directory Search	*1 Street Search*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	.5	0	0	0	0	-	0
SEMS	Y	.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	.5	0	0	0	0	-	0
CERCLIS	Y	.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	.5	0	0	0	0	-	0
RCRA LQG	Y	.25	0	0	0	-	-	0
RCRA SQG	Y	.25	0	0	0	-	-	0
RCRA CESQG	Y	.25	0	1	0	-	-	1
RCRA NON GEN	Y	.25	1	1	0	-	-	2
FED ENG	Y	.5	0	0	0	0	-	0
FED INST	Y	.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	3	-	-	-	-	3
FED BROWNFIELDS	Y	.5	0	0	0	0	-	0
FEMA UST	Y	.25	0	0	0	-	-	0
State								
SHWS	Y	1	0	0	0	0	0	0
SWF	Y	.5	1	0	0	0	-	1
HAZ WASTE SITES	Y	1	1	2	1	1	6	11
WASTE	Y	.5	0	0	0	0	-	0
OLD LF	Y	.5	0	0	0	0	-	0
LUST	Y	.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DLST	Y	.5	0	0	0	0	-	0
UST	Y	.25	0	0	0	-	-	0
DTNK	Y	.25	0	0	0	-	-	0
AUL	Y	.5	0	0	0	0	-	0
VCP	Y	.5	1	0	0	0	-	1
BROWNFIELDS	Y	.5	0	0	0	0	-	0
Tribal								
ILST	Y	.5	0	0	0	0	-	0
IUST	Y	.25	0	0	0	-	-	0
DELISTED ILST	Y	.5	0	0	0	0	-	0
DELISTED IUST	Y	.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							
Additional Environmental Records								
Federal								
FINDS/FRS	Y	PO	1	1	-	-	-	2
TRIS	Y	PO	26	-	-	-	-	26
HMIRS	Y	.125	0	0	-	-	-	0
NCDL	Y	PO	0	-	-	-	-	0
ODI	Y	.5	0	0	0	0	-	0
IODI	Y	.5	0	0	0	0	-	0
TSCA	Y	.125	1	0	-	-	-	1
HIST TSCA	Y	.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	.5	0	0	0	0	-	0
ICIS	Y	PO	3	-	-	-	-	3
FED DRYCLEANERS	Y	.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	.25	0	0	0	-	-	0
State								
SCP	Y	.5	0	0	0	0	-	0
TSDF	Y	.5	0	0	0	0	-	0
SPILLS	Y	.125	1	0	-	-	-	1
HIS SPILLS	Y	.125	4	0	-	-	-	4
VFC FACILITIES	Y	.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental record sources available for this State.***							
	Total:		*43*	*5*	*1*	*1*	*6*	*56*

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	ERNS		508 WEST WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	23
1	ERNS		508 WEST WILSON ST KENTLAND IN	-	0.00 / 0.00	-28	24
1	ERNS		508 WEST WILSON ST PAINT DOCK AREA KENTLAND IN 47951	-	0.00 / 0.00	-28	25
1	FINDS/FRS	BON L MANUFACTURING CO	508 WILSON ST KENTLAND IN 479510106	-	0.00 / 0.00	-28	26
1	HIS SPILLS		508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	27
1	HIS SPILLS		508 Wilson Street Kentland IN 47951	-	0.00 / 0.00	-28	27
1	HIS SPILLS		508 W. Wilson St Kentland IN 47951	-	0.00 / 0.00	-28	28
1	HIS SPILLS		508 W. Wilson St Kentland IN 47951	-	0.00 / 0.00	-28	28
1	HAZ WASTE SITES	BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 479510106	-	0.00 / 0.00	-28	28
1	ICIS	BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	33
1	ICIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	34
1	ICIS	BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	34
1	RCRA NON GEN	BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	35

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	SPILLS		508 W. Wilson Street Kentland, IN Newton Co. IN ***Incident NO / Incident Status:*** *35508 / Assigned to Staff*	-	0.00 / 0.00	-28	44
1	SWF	BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 479510106	-	0.00 / 0.00	-28	44
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	44
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	46
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	49
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	51
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	54
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	57
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	60
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	62
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	65
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	68
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	70
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	73

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	75
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	77
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	79
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	82
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	85
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	87
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	90
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	92
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	95
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	96
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	99
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	101
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	103
1	TRIS	BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	-28	106

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	TSCA	BON L MANUFACTURING CO	508 WILSON ST KENTLAND IN 479510106	-	0.00 / 0.00	-28	109
1	VCP	BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 479510106	-	0.00 / 0.00	-28	110

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	FINDS/FRS	MIKES MACHINE SHOP	120 LUTZ ST KENTLAND IN 47951-9792	SW	0.01 / 35.35	-31	110
2	HAZ WASTE SITES	MIKES MACHINE SHOP	120 LUTZ ST KENTLAND IN 47951	SW	0.01 / 35.35	-31	111
2	RCRA CESQG	MIKES MACHINE SHOP	120 LUTZ ST KENTLAND IN 479510252	SW	0.01 / 35.35	-31	111
3	HAZ WASTE SITES	JI CASE COMPANY	US HWY 24 & LUTZ RD KENTLAND IN 47951	SSW	0.08 / 428.25	-35	112
3	RCRA NON GEN	JI CASE CO	HWY 24 AND LUTZ RD KENTLAND IN 47951	SSW	0.08 / 428.25	-35	112
4	HAZ WASTE SITES	LEHMAN MANUFACTURING COMPANY INCORPORATED	304 N FAIRGROUND RD KENTLAND IN 47951	E	0.24 / 1,279.02	-33	113
5	HAZ WASTE SITES	DON CENTER PONTIAC	310 W RAILROAD ST KENTLAND IN 47951	ESE	0.39 / 2,032.96	-29	114
6	HAZ WASTE SITES	DON CENTER CHEVROLET BUICK INCORPORATED	127 W SEYMOUR ST KENTLAND IN 47951	ESE	0.72 / 3,797.11	-30	114
7	HAZ WASTE SITES	DORMEYER A F MANUFACTURING COMPANY	106 N 1ST ST KENTLAND IN 47951	E	0.75 / 3,949.15	-33	115
8	HAZ WASTE SITES	MILESTONE CONTRACTORS LIMITED PARTNERSHIP	235 E US HWY 24 KENTLAND IN 47951	ESE	0.89 / 4,675.06	-30	116
8	HAZ WASTE SITES	ROGERS GROUP NEWTON COUNTY STONE	235 US HWY 24 E KENTLAND IN 47951	ESE	0.89 / 4,675.06	-30	116
9	HAZ WASTE SITES	HOOSIER CLEANERS	211 E GRAHAM ST KENTLAND IN 47951	E	0.92 / 4,855.60	-29	116

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
10	HAZ WASTE SITES	MIKES MACHINE SHOP	102 N 3RD KENTLAND IN 47951	ESE	0.94 / 4,982.02	-28	117

Executive Summary: Summary by Data Source

Standard

Federal

RCRA CESQG - RCRA Conditionally Exempt Small Quantity Generators List

A search of the RCRA CESQG database, dated Jun 21, 2016 has found that there are 1 RCRA CESQG site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MIKES MACHINE SHOP	120 LUTZ ST KENTLAND IN 479510252	SW	0.01 / 35.35	2

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jun 21, 2016 has found that there are 2 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
JI CASE CO	HWY 24 AND LUTZ RD KENTLAND IN 47951	SSW	0.08 / 428.25	3

ERNS - Emergency Response Notification System

A search of the ERNS database, dated Oct 7, 2015 has found that there are 3 ERNS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	508 WEST WILSON ST PAINT DOCK AREA KENTLAND IN 47951	-	0.00 / 0.00	1
	508 WEST WILSON ST KENTLAND IN	-	0.00 / 0.00	1
	508 WEST WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1

State

SWF - Indiana Permitted Solid Waste Facilities

A search of the SWF database, dated Mar 01, 2016 has found that there are 1 SWF site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 479510106	-	0.00 / 0.00	1

HAZ WASTE SITES - Hazardous Waste Sites

A search of the HAZ WASTE SITES database, dated Apr 28, 2016 has found that there are 11 HAZ WASTE SITES site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 479510106	-	0.00 / 0.00	1
MIKES MACHINE SHOP	120 LUTZ ST KENTLAND IN 47951	SW	0.01 / 35.35	2
JI CASE COMPANY	US HWY 24 & LUTZ RD KENTLAND IN 47951	SSW	0.08 / 428.25	3
LEHMAN MANUFACTURING COMPANY INCORPORATED	304 N FAIRGROUND RD KENTLAND IN 47951	E	0.24 / 1,279.02	4
DON CENTER PONTIAC	310 W RAILROAD ST KENTLAND IN 47951	ESE	0.39 / 2,032.96	5
DON CENTER CHEVROLET BUICK INCORPORATED	127 W SEYMOUR ST KENTLAND IN 47951	ESE	0.72 / 3,797.11	6
DORMEYER A F MANUFACTURING COMPANY	106 N 1ST ST KENTLAND IN 47951	E	0.75 / 3,949.15	7
ROGERS GROUP NEWTON COUNTY STONE	235 US HWY 24 E KENTLAND IN 47951	ESE	0.89 / 4,675.06	8
MILESTONE CONTRACTORS LIMITED PARTNERSHIP	235 E US HWY 24 KENTLAND IN 47951	ESE	0.89 / 4,675.06	8
HOOSIER CLEANERS	211 E GRAHAM ST KENTLAND IN 47951	E	0.92 / 4,855.60	9

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MIKES MACHINE SHOP	102 N 3RD KENTLAND IN 47951	ESE	0.94 / 4,982.02	10

VCP - Voluntary Remediation Agreement

A search of the VCP database, dated Apr 28, 2016 has found that there are 1 VCP site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 479510106	-	0.00 / 0.00	1

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Mar 9, 2016 has found that there are 2 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BON L MANUFACTURING CO	508 WILSON ST KENTLAND IN 479510106	-	0.00 / 0.00	1
MIKES MACHINE SHOP	120 LUTZ ST KENTLAND IN 47951-9792	SW	0.01 / 35.35	2

TRIS - Toxics Release Inventory (TRI) Program

A search of the TRIS database, dated Dec 31, 2014 has found that there are 26 TRIS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1

TSCA - Toxic Substances Control Act

A search of the TSCA database, dated Jun 30, 2014 has found that there are 1 TSCA site(s) within approximately 0.12 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BON L MANUFACTURING CO	508 WILSON ST KENTLAND IN 479510106	-	0.00 / 0.00	1

ICIS - Integrated Compliance Information System (ICIS)

A search of the ICIS database, dated May 24, 2016 has found that there are 3 ICIS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BON L MANUFACTURING CO	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1
BON L MANUFACTURING COMPANY	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1

State

SPILLS - Spills Incidents Database

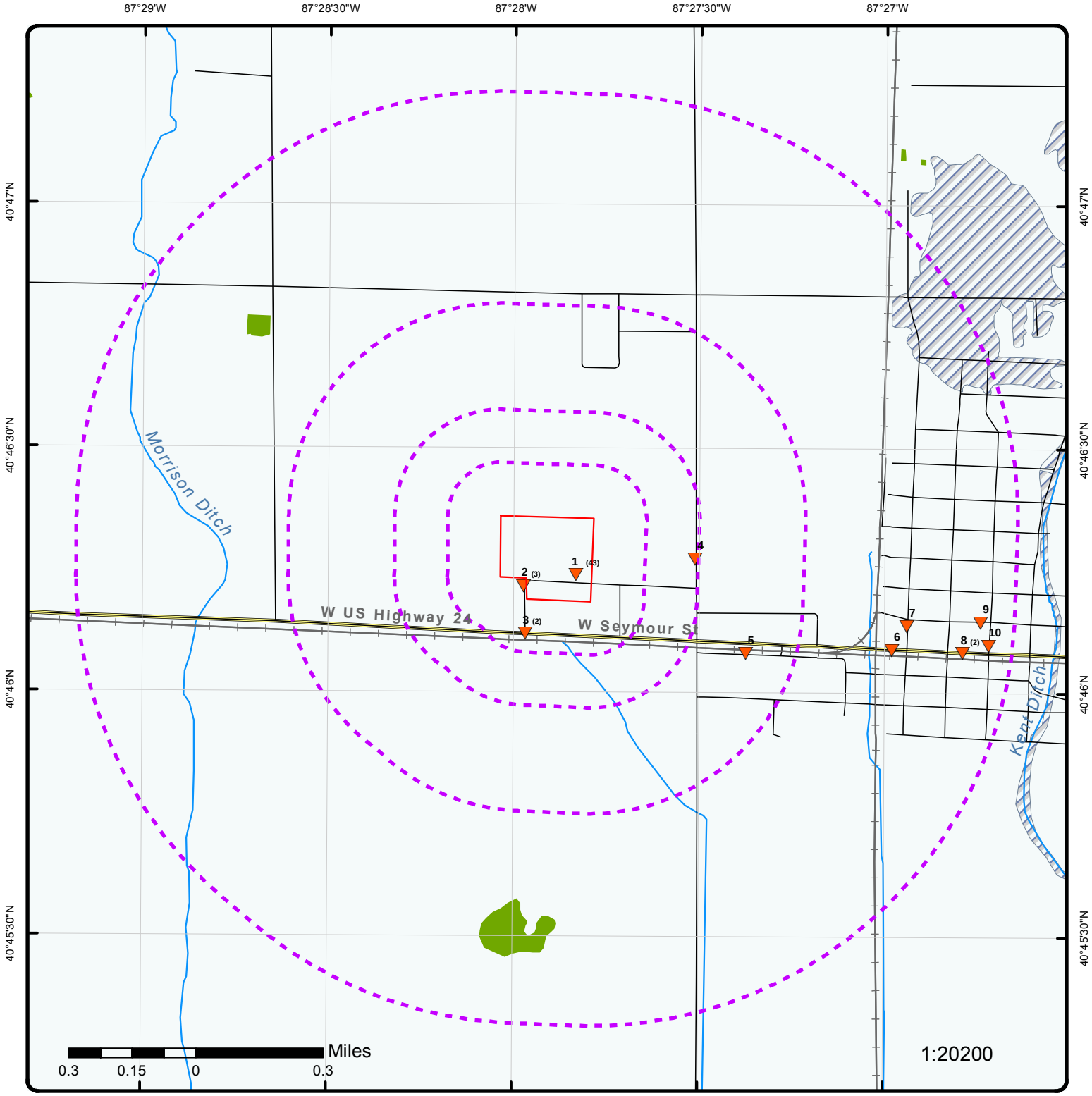
A search of the SPILLS database, dated Jun 30, 2016 has found that there are 1 SPILLS site(s) within approximately 0.12 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	508 W. Wilson Street Kentland, IN Newton Co. IN ***Incident NO / Incident Status**: 35508 / Assigned to Staff*	-	0.00 / 0.00	1

HIS SPILLS - Historic Spill Incidents

A search of the HIS SPILLS database, dated Dec 3, 2010 has found that there are 4 HIS SPILLS site(s) within approximately 0.12 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	508 W. Wilson St Kentland IN 47951	-	0.00 / 0.00	1
	508 W. Wilson St Kentland IN 47951	-	0.00 / 0.00	1
	508 Wilson Street Kentland IN 47951	-	0.00 / 0.00	1
	508 W WILSON ST KENTLAND IN 47951	-	0.00 / 0.00	1



Map : 1 Mile Radius

Order No: 20160829023

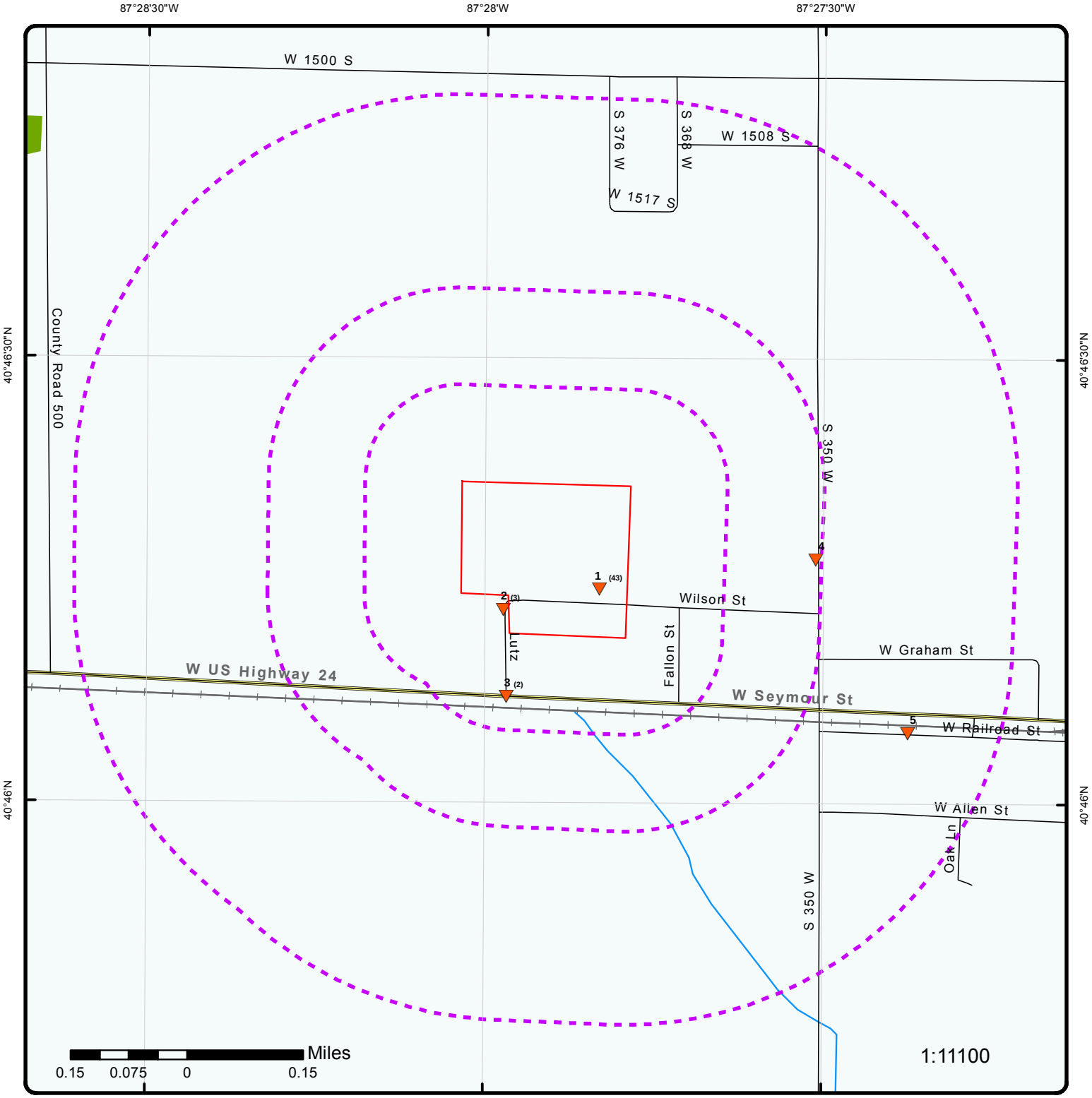
Address: 508 E. Wilson Street, Kentland, IN

[redacted]

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

© ERIS Information Inc.



Map : 0.5 Mile Radius

Order No: 20160829023

Address: 508 E. Wilson Street, Kentland, IN

[redacted]

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

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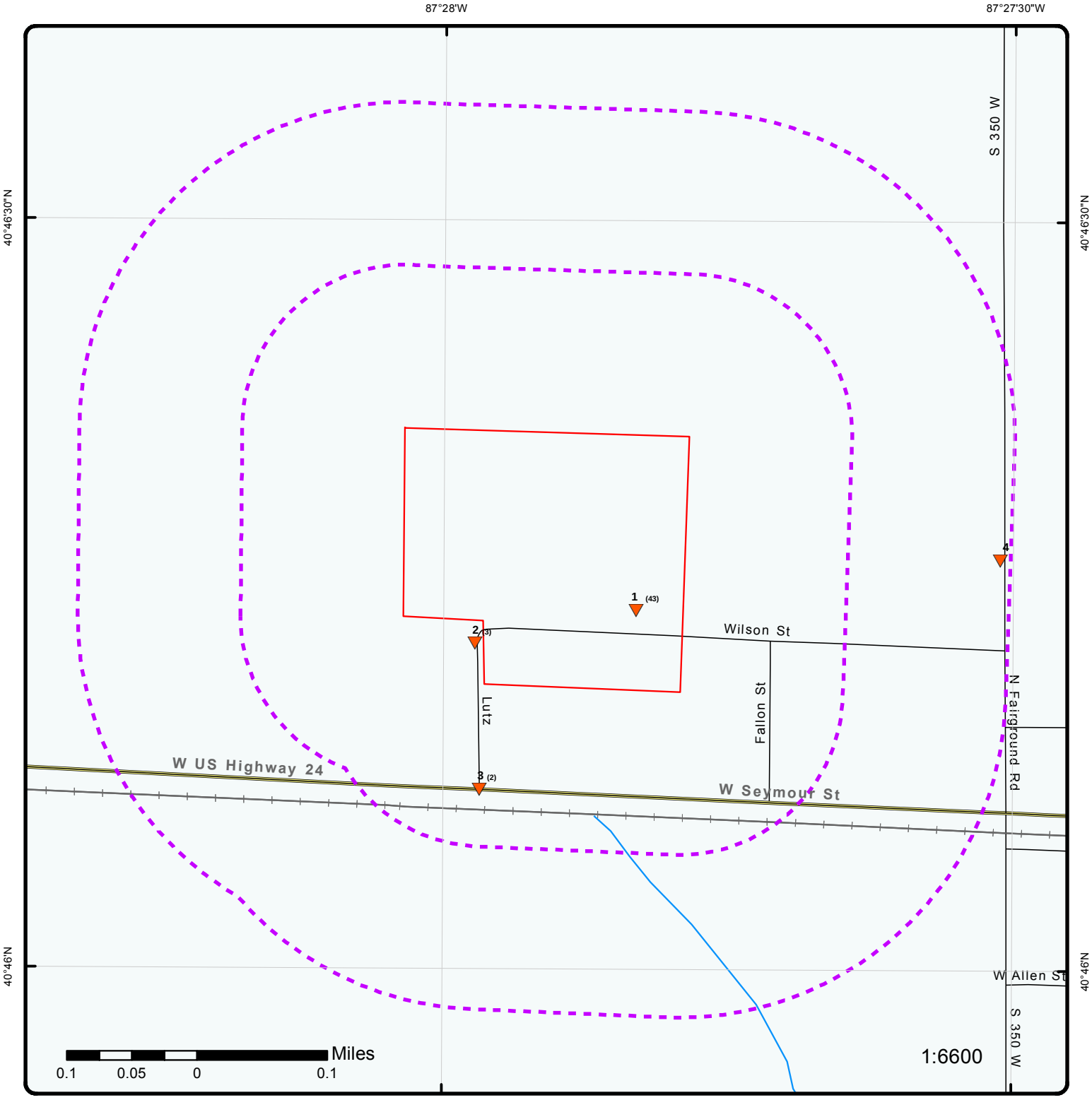

Map : 0.25 Mile Radius

Order No: 20160829023

Address: 508 E. Wilson Street, Kentland, IN

[redacted]

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

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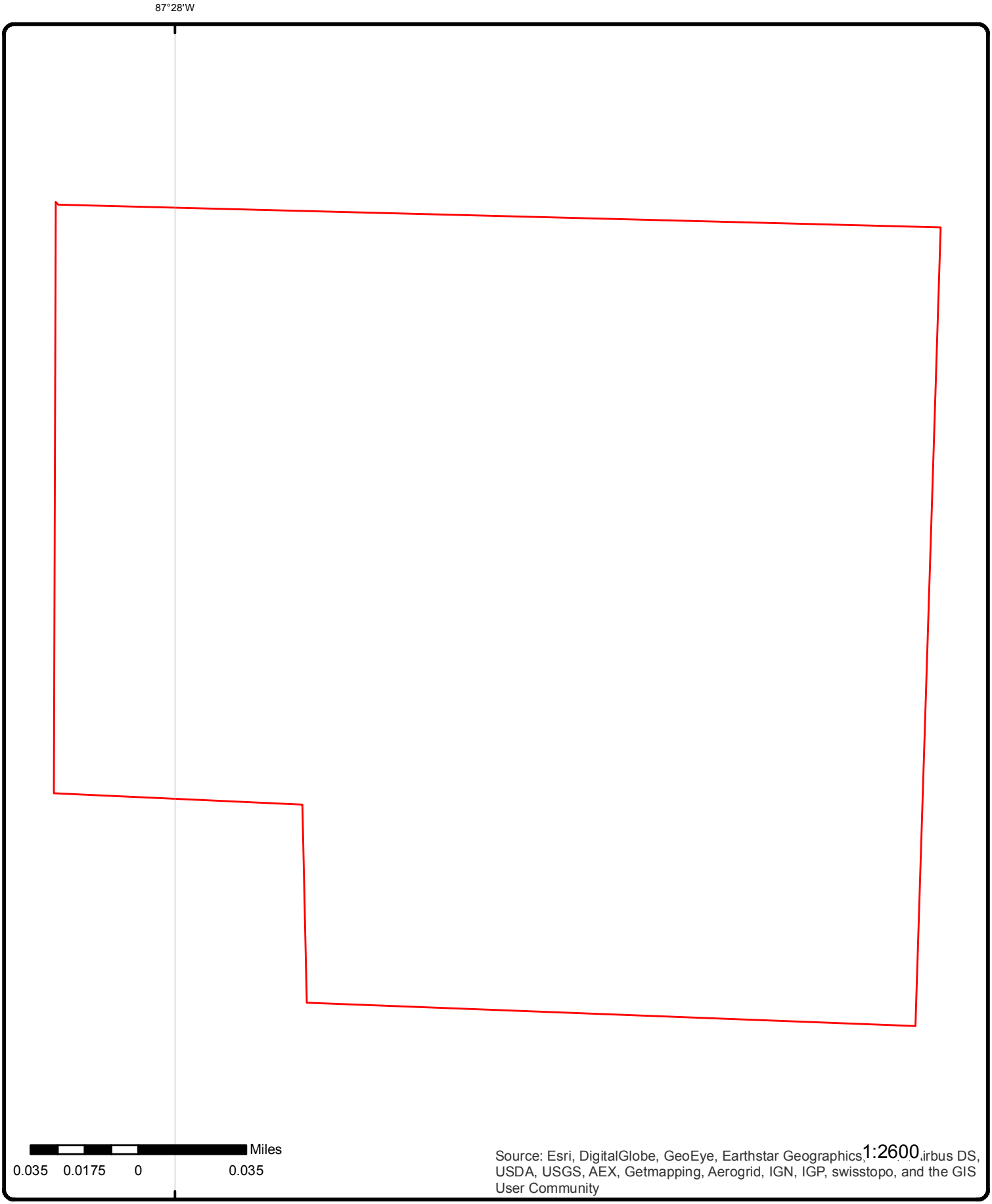

Aerial

Order No: 20160829023

[redacted]

Address: 508 E. Wilson Street, Kentland, IN

© ERIS Information Inc.

Source: ESRI World Imagery

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
1	1 of 43	-	0.00 / 0.00	687.32	508 WEST WILSON ST KENTLAND IN 47951	ERNS

NRC Report Number:	532760
Type Of Incident:	FIXED
Desc Remedial Action:	EXCAVATED SOIL AND PRODUCT WILL BE DISPOSED OF
Description Of Incident:	PIPE ON WASTEWATER TREATMENT SYSTEM DEVELOPED A LEAK.
Release Secured:	Y
Release Rate:	
Date Received:	6/20/2000 10:09:07 AM
Incident Cause:	EQUIPMENT FAILURE
Incident Date:	6/20/2000 8:00:00 AM
Incident Location:	
State Agency Notified:	STATE / LEPC
Federal Agency Notified:	
State Agency On Scene:	
State Agency Report Num:	
Responsible Company:	CAPITOL PRODUCTS CORP.
Estima Duration of Release:	
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	KENTLAND
Responsible State:	IN
Responsible Zip:	47951
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Who Evacuated:	
Radius Of Evacuation:	
Any Injuries:	N
Number Injured:	
Any Fatalities:	N
Number Fatalities:	
Any Damages:	N
Damage Amount:	
Employee Fatality:	
Passenger Fatality:	
Occupant Fatality:	
Air Corridor Closed:	N
Air Corridor Desc:	
Air Closure Time:	
Waterway Corridor Closed:	N
Waterway Corridor Desc:	
Waterway Closure Time:	
Road Closed:	N
Road Desc:	
Road Closure Time:	
Major Artery:	N
Track Closed:	N
Track Desc:	
Track Closure Time:	
Media Interest:	NONE
Medium Desc:	LAND
Additional Medium Info:	SOIL
Body Of Water:	
Tributary Of:	
Weather Conditions:	
Air Temperature:	
Wind Speed:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Wind Direction:
Water Supply Contamin: U
Nearest River Mile Marker:
Passengers Transferred: UNK
Community Impact: N
Additional Info: CALLER WILL NOTIFY:COUNTY HEALTH DEPT. / NO ADDITIONAL INFORMATION

Material Spill Information

CHRIS Code: NCC
CAS Number: 000000-00-0
UN Number:
Amount Of Material: 4200
Unit Of Material: POUND(S)
Name Of Material: F019 WASTE WATER TREATMENT SLUDGE
If Reached Water: NO
Amount In Water:
Unit Of Measure Reach Water:

1	2 of 43	-	0.00 / 0.00	687.32	508 WEST WILSON ST KENTLAND IN	ERNS

NRC Report Number: 600746
Type Of Incident: FIXED
Desc Remedial Action: IMMEDIATELY PUT UP EARTHEN DYKE, SPREAD CLAY ABSORBENT MATERIAL AND LIME TO DRY THE SLUDE
Description Of Incident: THE MATERIAL RELEASED FROM WASTE WATER TREATMENT PROCESS DUE TO FLOAT SWITCH MALFUNCTION AND A PUMP DIDN'T SHUTOFF AND THE TANK OVERFLOWED.
Release Secured: Y
Release Rate:
Date Received: 4/25/2002 4:28:15 PM
Incident Cause: OTHER
Incident Date: 4/25/2002 3:00:00 PM
Incident Location:
State Agency Notified:
Federal Agency Notified:
State Agency On Scene:
State Agency Report Num:
Responsible Company: BON L MANUFACTURING CO
Estima Duration of Release:
Responsible Org Type: PRIVATE ENTERPRISE
Responsible City: KENTLAND
Responsible State: IN
Responsible Zip: 47951
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Who Evacuated:
Radius Of Evacuation:
Any Injuries: N
Number Injured:
Any Fatalities: N
Number Fatalities:
Any Damages: N
Damage Amount:
Employee Fatality:
Passenger Fatality:
Occupant Fatality:
Air Corridor Closed: N
Air Corridor Desc:
Air Closure Time:
Waterway Corridor Closed: N
Waterway Corridor Desc:
Waterway Closure Time:
Road Closed: N
Road Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Road Closure Time:
Major Artery: N
Track Closed: N
Track Desc:
Track Closure Time:
Media Interest: NONE
Medium Desc: SOIL
Additional Medium Info:
Body Of Water:
Tributary Of:
Weather Conditions: SUNNY
Air Temperature: 65
Wind Speed:
Wind Direction:
Water Supply Contamin: U
Nearest River Mile Marker:
Passengers Transferred: UNK
Community Impact: N
Additional Info: THE CALLER WILL NOTIFY IN DEM, NEWTON COUNTY EMA.

Material Spill Information

CHRIS Code: NCC
CAS Number: 000000-00-0
UN Number:
Amount Of Material: 500
Unit Of Material: POUND(S)
Name Of Material: F019 HAZARDOUS WASTE (WASTE WATER TREATMENT SLUDGE)
If Reached Water: NO
Amount In Water:
Unit Of Measure Reach Water:

1	3 of 43	-	0.00 / 0.00	687.32	508 WEST WILSON ST PAINT DOCK AREA KENTLAND IN 47951	ERNS

NRC Report Number: 426163
Type Of Incident: FIXED
Desc Remedial Action: VACUUM FILTER WAS SHUTDOWN/ DIKED FURTHEST EXTENT OF SPILL AND ARESOAKING W/ABSORBENT MATERIAL AND DISPOSING ALONG WITH SOIL CONTACTED
Description Of Incident: EXHAUST VENT FROM VACUUM FILTER DRUM OF WASTE WATER TREATMENT SYSTEM/MALFUNCTION OF VACUUM FILTER SYSTEM DUE TO FAILED PUMP OR PLUGGED LINE
Release Secured: U
Release Rate:
Date Received: 2/26/1998 2:06:13 PM
Incident Cause: EQUIPMENT FAILURE
Incident Date: 2/26/1998 10:30:00 AM
Incident Location:
State Agency Notified:
Federal Agency Notified:
State Agency On Scene:
State Agency Report Num:
Responsible Company: CAPITOL PRODUCTS CORP.
Estima Duration of Release:
Responsible Org Type: PRIVATE ENTERPRISE
Responsible City: KENTLAND
Responsible State: IN
Responsible Zip: 47951
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Who Evacuated:
Radius Of Evacuation:
Any Injuries: U
Number Injured:
Any Fatalities: U

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Number Fatalities:	
Any Damages:	N
Damage Amount:	
Employee Fatality:	
Passenger Fatality:	
Occupant Fatality:	
Air Corridor Closed:	N
Air Corridor Desc:	
Air Closure Time:	
Waterway Corridor Closed:	N
Waterway Corridor Desc:	
Waterway Closure Time:	
Road Closed:	N
Road Desc:	
Road Closure Time:	
Major Artery:	N
Track Closed:	N
Track Desc:	
Track Closure Time:	
Media Interest:	
Medium Desc:	LAND
Additional Medium Info:	SOIL
Body Of Water:	
Tributary Of:	
Weather Conditions:	
Air Temperature:	
Wind Speed:	
Wind Direction:	
Water Supply Contamin:	U
Nearest River Mile Marker:	
Passengers Transferred:	UNK
Community Impact:	N
Additional Info:	MATERIAL ALSO CAME OUT EXHAUST VENT TO ROOF, SPILLING ACROSS ROOF TODOWNSPOUT AND CLEANUP WILL TAKE PLACE IN THAT AREA ALSO

Material Spill Information

CHRIS Code:	NCC
CAS Number:	
UN Number:	
Amount Of Material:	60
Unit Of Material:	GALLON(S)
Name Of Material:	F019 HAZARDOUS WASTE (WASTE WATER TX SLUDGE FROM CHEMICAL CONVERSION COATING O
If Reached Water:	YES
Amount In Water:	0
Unit Of Measure Reach Water:	NONE

1	***4 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 WILSON ST*** ***KENTLAND IN 479510106***	***FINDS/FRS***

Registry ID:	110000404401
FIPS Code:	18111
Program Acronyms:	AIR, AIRS/AFS, BR, EIS, IN-FRS, IN-TEMPO, NPDES, RCRAINFO, TRIS, TSCA
HUC Code:	07120002
Site Type Name:	STATIONARY
EPA Region Code:	05
Conveyor:	FRS-TRIS
County Name:	NEWTON
Source:	
SIC Codes:	3354, 3442, 3471
SIC Code Descriptions:	ALUMINUM EXTRUDED PRODUCTS, ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING, METAL DOORS, SASH, FRAMES, MOLDING, AND TRIM
Federal Facility Code:	
NAICS Codes:	331316, 331318, 332323, 332813

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

NAICS Code Descriptions:	ALUMINUM EXTRUDED PRODUCT MANUFACTURING., ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING., ORNAMENTAL AND ARCHITECTURAL METAL WORK MANUFACTURING., OTHER ALUMINUM ROLLING, DRAWING, AND EXTRUDING
Federal Agency Name:	
US/Mexico Border Ind:	
Congressional Dist No:	01
Census Block Code:	181111007002065
Create Date:	01-MAR-2000 00:00:00
Update Date:	11-JAN-2016 19:02:38
Location Description:	
Supplemental Location:	508 WILSON ST
Tribal Land Code:	
Tribal Land Name:	
Latitude:	40.77043
Longitude:	-87.46457
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Reference Point:	CENTER OF A FACILITY OR STATION
Interest Types:	AIR EMISSIONS CLASSIFICATION UNKNOWN, AIR MAJOR, HAZARDOUS WASTE BIENNIAL REPORTER, ICIS-NPDES NON-MAJOR, STATE MASTER, TRI REPORTER, TSCA SUBMITTER, UNSPECIFIED UNIVERSE
Facility Detail Rprt URL:	http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110000404401

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
1	5 of 43	-	0.00 / 0.00	687.32	508 W WILSON ST KENTLAND IN 47951	HIS SPILLS

Spill NO:	200204234
Spill Type:	Spill
Spill Source:	Industrial
Spilled Amount:	500.00
Spilled Units:	P
Material Name:	HAZ WASTE CODE F019
Contained:	
Recovered Units:	
Recovered Amount:	
Area Affected:	100 SQ FT
Water Supply Affected:	N
Receiving Water:	
NO of Fish Killed:	
Public Intake:	
Incident Date/Time:	4/25/2002 15:00:00
Reported Date/Time:	4/25/2002 15:45:00
County:	Newton

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
1	6 of 43	-	0.00 / 0.00	687.32	508 Wilson Street Kentland IN 47951	HIS SPILLS

Spill NO:	200006164
Spill Type:	Spill
Spill Source:	Industrial
Spilled Amount:	1300.00
Spilled Units:	P
Material Name:	F-019 chromimum hydroxide
Contained:	
Recovered Units:	P
Recovered Amount:	2600.00
Area Affected:	soil
Water Supply Affected:	N
Receiving Water:	None
NO of Fish Killed:	0.00
Public Intake:	None
Incident Date/Time:	6/19/2000 18:30:00
Reported Date/Time:	6/20/2000 8:57:52
County:	Newton

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
1	7 of 43	-	0.00 / 0.00	687.32	508 W. Wilson St Kentland IN 47951	HIS SPILLS

Spill NO:	199802183
Spill Type:	Spill
Spill Source:	Industrial
Spilled Amount:	
Spilled Units:	U
Material Name:	Sludge From Coating Al
Contained:	N
Recovered Units:	U
Recovered Amount:	
Area Affected:	1100 Sq.Ft. (roof And Paint Dk
Water Supply Affected:	N
Receiving Water:	None
NO of Fish Killed:	0.00
Public Intake:	
Incident Date/Time:	2/26/1998 10:30:00
Reported Date/Time:	2/26/1998 14:30:00
County:	Newton

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
1	8 of 43	-	0.00 / 0.00	687.32	508 W. Wilson St Kentland IN 47951	HIS SPILLS

Spill NO:	199802183
Spill Type:	Spill
Spill Source:	Industrial
Spilled Amount:	500.00
Spilled Units:	P
Material Name:	Wwt Sludge F 019
Contained:	Y
Recovered Units:	P
Recovered Amount:	500.00
Area Affected:	1100 Sq.Ft. (roof And Paint Dk
Water Supply Affected:	N
Receiving Water:	None
NO of Fish Killed:	0.00
Public Intake:	
Incident Date/Time:	2/26/1998 10:30:00
Reported Date/Time:	2/26/1998 14:30:00
County:	Newton

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
1	9 of 43	-	0.00 / 0.00	687.32	BON L MANUFACTURING COMPANY 508 W WILSON ST KENTLAND IN 479510106	HAZ WASTE SITES

Facility ID:	11830
Document Page Link:	http://108.59.49.89/search-results.aspx?xAIID=11830
County:	NEWTON

--- Details ---

Document NO:	51414535
Doc Type:	OLQ Report
Program:	HW Site
Program Facility Key:	IND057396608
Date:	9/23/2009 12:00 AM
Security:	Public
Info Link:	http://108.59.49.89/DocDetail.aspx?dID=3642662
Doc Link:	https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3642662&dDocName=51414535&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=51414535.pdf

+

Document NO:	80151348

Doc Type: OLQ Permit
Program: HW Site
Program Facility Key: IND057396608
Date: 3/18/1982 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=80151312
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=80151312&dDocName=80151348&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=80151348.pdf

+
Document NO: 68727011
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND057396608
Date: 2/28/2013 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4421443
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4421443&dDocName=68727011&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=68727011.pdf

+
Document NO: 62625966
Doc Type: OLQ Report
Program: HW Site
Program Facility Key: IND057396608
Date: 3/4/2009 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4011237
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4011237&dDocName=62625966&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=62625966.pdf

+
Document NO: 29710769
Doc Type: OLQ Report
Program: HW Site
Program Facility Key: IND057396608
Date: 3/1/2002 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3443380
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3443380&dDocName=29710769&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29710769.pdf

+
Document NO: 64936734
Doc Type: OLQ Report
Program: HW Site
Program Facility Key: IND057396608
Date: 2/28/2007 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4125023
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4125023&dDocName=64936734&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=64936734.pdf

+
Document NO: 32384646
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND057396608
Date: 3/6/1998 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=2970853
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=2970853&dDocName=32384646&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=32384646.pdf

+
Document NO: 18986479
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND057396608
Date: 3/6/2007 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=2668082
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=2668082&dDocName=18986479&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=18986479.pdf

+
Document NO: 80151339
Doc Type: OLQ Permit
Program: HW Site
Program Facility Key: IND057396608
Date: 11/18/1986 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=80151303
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=80151303&dDocName=80151339&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=80151339.pdf

+
Document NO: 68870271
Doc Type: OLQ Report
Program: HW Site
Program Facility Key: IND057396608
Date: 2/28/2013 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4406778
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4406778&dDocName=68870271&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=68870271.pdf

+
Document NO: 70443833
Doc Type: OLQ Report
Program: HW Site
Program Facility Key: IND057396608
Date: 12/2/2013 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4638830
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4638830&dDocName=70443833&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=70443833.pdf

+
Document NO: 70299649
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND057396608
Date: 7/23/2014 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4612696
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4612696&dDocName=70299649&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=70299649.pdf

+
Document NO: 32754772
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND057396608
Date: 3/14/2001 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3028209
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3028209&dDocName=32754772&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=32754772.pdf

+
Document NO: 29807312
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND057396608
Date: 4/25/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3427915
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3427915&dDocName=29807312&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29807312.pdf

+
Document NO: 19145965
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND057396608
Date: 4/12/2007 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=2726498

Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=2726498&dDocName=19145965&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=19145965.pdf

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Document NO: 70029915
Doc Type: OLQ Permit
Program: HW Site
Program Facility Key: IND057396608
Date: 11/12/1985 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4567241
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4567241&dDocName=70029915&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=70029915.pdf

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Document NO: 18993586
Doc Type: Correspondence
Program: HW Site
Program Facility Key: IND057396608
Date: 1/23/2007 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=2843622
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=2843622&dDocName=18993586&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=18993586.pdf

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Document NO: 67982548
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND057396608
Date: 4/25/2013 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4317233
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4317233&dDocName=67982548&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=67982548.pdf

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Document NO: 32410973
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND057396608
Date: 10/9/2003 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=2997498
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=2997498&dDocName=32410973&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=32410973.pdf

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Document NO: 48965484
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND057396608
Date: 6/10/2009 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3341926
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3341926&dDocName=48965484&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=48965484.pdf

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Document NO: 59599335
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND057396608
Date: 11/10/2010 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3528984
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3528984&dDocName=59599335&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=59599335.pdf

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Document NO: 58852092
Doc Type: OLQ Report
Program: HW Site
Program Facility Key: IND057396608
Date: 3/1/2010 12:00 AM

Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3480785
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3480785&dDocName=58852092&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=58852092.pdf

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Document NO: 80151343
Doc Type: OLQ Permit
Program: HW Site
Program Facility Key: IND057396608
Date: 10/29/1985 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=80151307
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=80151307&dDocName=80151343&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=80151343.pdf

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Document NO: 26148274
Doc Type: OLQ Fee
Program: HW Site
Program Facility Key: IND057396608
Date: 10/16/2007 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=2839269
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=2839269&dDocName=26148274&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=26148274.pdf

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Document NO: 80016084
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND057396608
Date: 12/2/2013 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=80015936
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=80015936&dDocName=80016084&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=80016084.pdf

+
Document NO: 63616390
Doc Type: OLQ Report
Program: HW Site
Program Facility Key: IND057396608
Date: 2/28/2011 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4054845
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4054845&dDocName=63616390&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=63616390.pdf

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Document NO: 28806583
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND057396608
Date: 2/1/2006 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3377237
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3377237&dDocName=28806583&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=28806583.pdf

+
Document NO: 67039293
Doc Type: OLQ Report
Program: HW Site
Program Facility Key: IND057396608
Date: 2/20/2012 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4217984
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4217984&dDocName=67039293&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=67039293.pdf

+
Document NO: 64423242
Doc Type: OLQ Report
Program: HW Site

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Program Facility Key: IND057396608
Date: 3/4/2003 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4041523
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4041523&dDocName=64423242&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=64423242.pdf

+
Document NO: 45015346
Doc Type: OLQ Report
Program: HW Site
Program Facility Key: IND057396608
Date: 3/30/2009 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3230278
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3230278&dDocName=45015346&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=45015346.pdf

+
Document NO: 68483770
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND057396608
Date: 6/10/2013 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4415819
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4415819&dDocName=68483770&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=68483770.pdf

+
Document NO: 64149004
Doc Type: OLQ Report
Program: HW Site
Program Facility Key: IND057396608
Date: 1/28/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=4030753
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=4030753&dDocName=64149004&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=64149004.pdf

+
Document NO: 80103951
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND057396608
Date: 1/2/2015 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=80103735
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=80103735&dDocName=80103951&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=80103951.pdf

+
Document NO: 31275049
Doc Type: OLQ Report
Program: HW Site
Program Facility Key: IND057396608
Date: 3/1/2004 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3069082
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3069082&dDocName=31275049&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=31275049.pdf

1	*10 of 43*	-	*0.00 / 0.00*	*687.32*	***BON L MANUFACTURING COMPANY*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***ICIS***

EPA Region:	05	***Federal Facility ID:***	
FRS Facility UIN:	110000404401	***Tribal Land Code:***	
Program Syst ID:	IN0000001811100005	***County:***	Newton
Prog Sys Acrnym:	AIR	***Latitude:***	40.770667
Permit Type:		***Longitude:***	-87.463833

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

--- Details ---

EA Identifier:		***Enf Act Forum Dsc:***	
EA Type Code:		***Fac NAICS Code:***	331316
EA Type Desc:		***Facility SIC Code:***	3354
EA Name:			
+			
EA Identifier:	IN000A0000181110000500003	***Enf Act Forum Dsc:***	Administrative - Formal
EA Type Code:	SCAAAO	***Fac NAICS Code:***	331316
EA Type Desc:	Administrative Order	***Facility SIC Code:***	3471
EA Name:	BON L MANUFACTURING COMPANY 181110000500003		
+			
EA Identifier:	IN000A0000181110000500003	***Enf Act Forum Dsc:***	Administrative - Formal
EA Type Code:	SCAAAO	***Fac NAICS Code:***	331316
EA Type Desc:	Administrative Order	***Facility SIC Code:***	3354
EA Name:	BON L MANUFACTURING COMPANY 181110000500003		
+			
EA Identifier:		***Enf Act Forum Dsc:***	
EA Type Code:		***Fac NAICS Code:***	331316
EA Type Desc:		***Facility SIC Code:***	3471
EA Name:			

1	***11 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***ICIS***

EPA Region:	05	***Federal Facility ID:***	
FRS Facility UIN:	110000404401	***Tribal Land Code:***	
Program Syst ID:	INP000090	***County:***	Newton
Prog Sys Acrnym:	NPDES	***Latitude:***	40.770667
Permit Type:	Individual State Issued Permit (Non-NPDES)	***Longitude:***	-87.463833

--- Details ---

EA Identifier:		***Enf Act Forum Dsc:***	
EA Type Code:		***Fac NAICS Code:***	
EA Type Desc:		***Facility SIC Code:***	3354
EA Name:			

1	***12 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING COMPANY*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***ICIS***

EPA Region:	05	***Federal Facility ID:***	
FRS Facility UIN:	110000404401	***Tribal Land Code:***	
Program Syst ID:	IN0049859	***County:***	Newton
Prog Sys Acrnym:	NPDES	***Latitude:***	40.770528
Permit Type:	NPDES Individual Permit	***Longitude:***	-87.464889

--- Details ---

EA Identifier:	IN-N00002668	***Enf Act Forum Dsc:***	Administrative - Formal
EA Type Code:	STAOCO	***Fac NAICS Code:***	
EA Type Desc:	State Administrative Order of Consent	***Facility SIC Code:***	3442
EA Name:	BON L MANUFACTURING COMPANY (Permit IN0049859) Administrative Consent Order		
+			
EA Identifier:	IN-N00002057	***Enf Act Forum Dsc:***	Administrative - Informal
EA Type Code:	LOVWL	***Fac NAICS Code:***	
EA Type Desc:	Letter of Violation/ Warning Letter	***Facility SIC Code:***	3442
EA Name:	BON L MANUFACTURING COMPANY (Permit IN0049859) Letter Of Violation/Warning Letter		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

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EA Identifier:		***Enf Act Forum Dsc:***	
EA Type Code:		***Fac NAICS Code:***	
EA Type Desc:		***Facility SIC Code:***	3442
EA Name:			

+

EA Identifier:	IN-N00002669	***Enf Act Forum Dsc:***	Administrative - Formal
EA Type Code:	STAOCO	***Fac NAICS Code:***	
EA Type Desc:	State Administrative Order of Consent	***Facility SIC Code:***	3442
EA Name:	BON L MANUFACTURING COMPANY (Permit IN0049859) Administrative Consent Order		

1	***13 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING COMPANY 508 W WILSON ST KENTLAND IN 47951***	***RCRA NON GEN***

EPA Handler ID:	IND057396608
Current Site Name:	BON L MANUFACTURING COMPANY
Generator Status Universe:	No Report
Land Type:	Private
Activity Location:	IN
TSD Activity:	No
Mixed Waste Generator:	No
Importer Activity:	No
Transporter Activity:	No
Transfer Facility:	No
Recycler Activity:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Inject Activity:	No
Rece Waste From Off Site:	No
Used Oil Transporter:	
Used Oil Transfer Facility:	
Used Oil Processor:	
Used Oil Refiner:	
Used Oil Burner:	
Used Oil Market Burner:	
Used Oil Spec Marketer:	
Mailing Address:	25, BONNELL ST, , NEWNAN, GA, 30263, US
Contact Name:	TERRY D SNELL
Contact Address:	25, BONNELL ST, , NEWNAN, GA, 30263, US
Contact Email:	TDSNELL@BONLALUM.COM
Location Street 2:	

Owner/Operator Information

Owner/Operator Indicator:	CP
Owner/Operator Name:	ETHYL CORPORATION
Owner/Operator Address:	PO BOX 2189 CITY NOT REPORTED VA 99998
Owner/Operator Phone:	8047885000
Owner/Operator Type:	P
Date Became Current:	
Date Ended Current:	

Owner/Operator Indicator:	CO
Owner/Operator Name:	BON L MFG CO
Owner/Operator Address:	C/O TREDEGAR, PO BOX 428 NEWNAN GA 30264
Owner/Operator Phone:	8047885000
Owner/Operator Type:	P
Date Became Current:	
Date Ended Current:	

Owner/Operator Indicator:	CP
Owner/Operator Name:	BON L MFG CO

Owner/Operator Address: US
Owner/Operator Phone:
Owner/Operator Type: P
Date Became Current:
Date Ended Current:

Owner/Operator Indicator: CO
Owner/Operator Name: BON L MFG CO
Owner/Operator Address: PO BOX 428 NEWNAN GA US 30264
Owner/Operator Phone: 770-253-2020
Owner/Operator Type: P
Date Became Current: 20020101
Date Ended Current:

Owner/Operator Indicator: CP
Owner/Operator Name: BON L MANUFACTURING COMPANY
Owner/Operator Address: US
Owner/Operator Phone:
Owner/Operator Type: P
Date Became Current: 20020101
Date Ended Current:

Owner/Operator Indicator: CO
Owner/Operator Name: BON L MANUFACTURING COMPANY
Owner/Operator Address: PO BOX 428 NEWNAN GA US 30264
Owner/Operator Phone: 2194745136
Owner/Operator Type: P
Date Became Current: 20020101
Date Ended Current:

Owner/Operator Indicator: CO
Owner/Operator Name: BON L MFG CO
Owner/Operator Address: C/O TREDEGAR, PO BOX 428 NEWNAN GA US 30264
Owner/Operator Phone:
Owner/Operator Type: P
Date Became Current: 19000101
Date Ended Current:

Owner/Operator Indicator: CO
Owner/Operator Name: BON L MANUFACTURING COMPANY C/O TREDEGAR
Owner/Operator Address: PO BOX 428 NEWNAN GA US 30264
Owner/Operator Phone:
Owner/Operator Type: P
Date Became Current: 20020101
Date Ended Current:

Owner/Operator Indicator: CP
Owner/Operator Name: BON L MFG CO
Owner/Operator Address: PO BOX 428 NEWNAN GA US 30264
Owner/Operator Phone: 770-253-2020
Owner/Operator Type: P
Date Became Current: 20020101
Date Ended Current:

Owner/Operator Indicator: CO
Owner/Operator Name: BON L MANUFACTURING COMPANY
Owner/Operator Address: PO BOX 428 NEWNAN GA US 30264
Owner/Operator Phone: 4044310028
Owner/Operator Type: P
Date Became Current: 20020101
Date Ended Current:

Owner/Operator Indicator: CP
Owner/Operator Name: BON L MANUFACTURING COMPANY
Owner/Operator Address:
Owner/Operator Phone:
Owner/Operator Type: P
Date Became Current: 20020101

Date Ended Current:

Owner/Operator Indicator: CO
Owner/Operator Name: BON L MANUFACTURING COMPANY
Owner/Operator Address: PO BOX 428 NEWNAN US 30264
Owner/Operator Phone: 770-253-2020
Owner/Operator Type: P
Date Became Current: 20020101
Date Ended Current:

Owner/Operator Indicator: CP
Owner/Operator Name: BON L MFG CO
Owner/Operator Address: C/O TREDEGAR, PO BOX 428 NEWNAN GA US 30264
Owner/Operator Phone:
Owner/Operator Type: P
Date Became Current: 19000101
Date Ended Current:

NAICS Information

Naics Code: 332321
Naics Description: METAL WINDOW AND DOOR MANUFACTURING

Naics Code: 331316
Naics Description: ALUMINUM EXTRUDED PRODUCT MANUFACTURING

Naics Code: 33991
Naics Description: JEWELRY AND SILVERWARE MANUFACTURING

Naics Code: 331318
Naics Description: OTHER ALUMINUM ROLLING, DRAWING, AND EXTRUDING

Naics Code: 332813
Naics Description: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

Handler Information

Date Received: 20120216
Facility Name: BON L MANUFACTURING COMPANY
Classification: Large Quantity Generator

Date Received: 19800818
Facility Name: BON L MFG CO
Classification: Large Quantity Generator

Date Received: 20040303
Facility Name: BON L MFG CO
Classification: Large Quantity Generator

Date Received: 19980227
Facility Name: CAPITOL PRODUCTS CORP
Classification: Large Quantity Generator

Date Received: 20080124
Facility Name: BON L MFG CO
Classification: Large Quantity Generator

Date Received: 19960229
Facility Name: CAPTIOL PRODUCTS CORPORATION
Classification: Large Quantity Generator

Date Received: 20020221
Facility Name: BON L MFG CO
Classification: Large Quantity Generator

Date Received: 20010118
Facility Name: BON L MFG CO
Classification: Large Quantity Generator

Date Received: 19900301
Facility Name: CAPITOL PRODUCTS CORPORATION
Classification: Large Quantity Generator

Date Received: 20140220
Facility Name: BON L MANUFACTURING COMPANY
Classification: Large Quantity Generator

Date Received: 20090304
Facility Name: BON L MFG CO
Classification: Large Quantity Generator

Date Received: 20150102
Facility Name: BON L MANUFACTURING COMPANY
Date Received: 19920309
Facility Name: CAPITOL PRODUCTS CORPORATION
Classification: Large Quantity Generator

Date Received: 19940301
Facility Name: CAPITOL PRODUCTS CORPORATION
Classification: Large Quantity Generator

Date Received: 20100217
Facility Name: BON L MANUFACTURING COMPANY
Classification: Large Quantity Generator

Date Received: 20010323
Facility Name: CAPITOL PRODUCTS INC
Classification: Large Quantity Generator

Date Received: 19801114
Facility Name: BON L MFG CO
Date Received: 20140221
Facility Name: BON L MANUFACTURING COMPANY
Classification: Small Quantity Generator

Date Received: 20040301
Facility Name: BON L MFG CO
Classification: Large Quantity Generator

Date Received: 20060222
Facility Name: BON L MFG CO
Classification: Large Quantity Generator

Hazardous Waste Information

Waste Code: F006
Waste: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste Code: K062
Waste: SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.

Waste Code: D007
Waste: CHROMIUM

Waste Code: D035
Waste: METHYL ETHYL KETONE

Waste Code: F005
Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-

NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F018
Waste: DESCRIPTION

Waste Code: D001
Waste: IGNITABLE WASTE

Waste Code: F003
Waste: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F019
Waste: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Waste Code: D002
Waste: CORROSIVE WASTE

Waste Code: D000
Waste: DESCRIPTION

Violation/Evaluation Information

Evaluation Start Date: 19920228
Evaluation Agency: S
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - Pre-transport
Violation Determined Date: 19920228
Actual Return to Compliance Date: 19930223
Violation Responsible Agency: S
Enforcement Action Date: 19920616
Enforcement Agency: S
Disposition Status Date:
Disposition Status:
Enforcement Type Description: WRITTEN INFORMAL
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 19940107
Evaluation Agency: S
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Violation Determined Date:
Actual Return to Compliance Date:
Violation Responsible Agency:
Enforcement Action Date:
Enforcement Agency:
Disposition Status Date:
Disposition Status:
Enforcement Type Description:
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date:	20070306
Evaluation Agency:	S
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	Generators - Pre-transport
Violation Determined Date:	20070306
Actual Return to Compliance Date:	20070608
Violation Responsible Agency:	S
Enforcement Action Date:	20070412
Enforcement Agency:	S
Disposition Status Date:	
Disposition Status:	
Enforcement Type Description:	WRITTEN INFORMAL
Proposed Penalty Amount:	
Paid Amount:	
Final Amount:	

Evaluation Start Date:	20101119
Evaluation Agency:	S
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	
Violation Determined Date:	
Actual Return to Compliance Date:	
Violation Responsible Agency:	
Enforcement Action Date:	
Enforcement Agency:	
Disposition Status Date:	
Disposition Status:	
Enforcement Type Description:	
Proposed Penalty Amount:	
Paid Amount:	
Final Amount:	

Evaluation Start Date:	20010314
Evaluation Agency:	S
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	Generators - Pre-transport
Violation Determined Date:	20010314
Actual Return to Compliance Date:	20010727
Violation Responsible Agency:	S
Enforcement Action Date:	20010427
Enforcement Agency:	S
Disposition Status Date:	
Disposition Status:	
Enforcement Type Description:	WRITTEN INFORMAL
Proposed Penalty Amount:	
Paid Amount:	
Final Amount:	

Evaluation Start Date:	20140723
Evaluation Agency:	S
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	
Violation Determined Date:	
Actual Return to Compliance Date:	
Violation Responsible Agency:	
Enforcement Action Date:	
Enforcement Agency:	
Disposition Status Date:	
Disposition Status:	
Enforcement Type Description:	
Proposed Penalty Amount:	
Paid Amount:	
Final Amount:	

Evaluation Start Date:	19830808
Evaluation Agency:	S
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	

Violation Determined Date:
Actual Return to Compliance Date:
Violation Responsible Agency:
Enforcement Action Date:
Enforcement Agency:
Disposition Status Date:
Disposition Status:
Enforcement Type Description:
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 19851009
Evaluation Agency: S
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Violation Determined Date:
Actual Return to Compliance Date:
Violation Responsible Agency:
Enforcement Action Date:
Enforcement Agency:
Disposition Status Date:
Disposition Status:
Enforcement Type Description:
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 19920228
Evaluation Agency: S
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Violation Determined Date: 19920228
Actual Return to Compliance Date: 19930222
Violation Responsible Agency: S
Enforcement Action Date: 19920616
Enforcement Agency: S
Disposition Status Date:
Disposition Status:
Enforcement Type Description: WRITTEN INFORMAL
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 20010727
Evaluation Agency: S
Evaluation Type Description: COMPLIANCE SCHEDULE EVALUATION
Violation Short Description: Generators - Pre-transport
Violation Determined Date: 20010314
Actual Return to Compliance Date: 20010727
Violation Responsible Agency: S
Enforcement Action Date: 20010427
Enforcement Agency: S
Disposition Status Date:
Disposition Status:
Enforcement Type Description: WRITTEN INFORMAL
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 20031009
Evaluation Agency: S
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Violation Determined Date:
Actual Return to Compliance Date:
Violation Responsible Agency:
Enforcement Action Date:

Enforcement Agency:
Disposition Status Date:
Disposition Status:
Enforcement Type Description:
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 19850610
Evaluation Agency: S
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: Generators - General
Violation Determined Date: 19850610
Actual Return to Compliance Date: 19850904
Violation Responsible Agency: S
Enforcement Action Date: 19850826
Enforcement Agency: S
Disposition Status Date:
Disposition Status:
Enforcement Type Description: WRITTEN INFORMAL
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 19920228
Evaluation Agency: S
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - Pre-transport
Violation Determined Date: 19920228
Actual Return to Compliance Date: 19930222
Violation Responsible Agency: S
Enforcement Action Date: 19920616
Enforcement Agency: S
Disposition Status Date:
Disposition Status:
Enforcement Type Description: WRITTEN INFORMAL
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 19971020
Evaluation Agency: S
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Violation Determined Date:
Actual Return to Compliance Date:
Violation Responsible Agency:
Enforcement Action Date:
Enforcement Agency:
Disposition Status Date:
Disposition Status:
Enforcement Type Description:
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 19971020
Evaluation Agency: S
Evaluation Type Description: COMPLIANCE SCHEDULE EVALUATION
Violation Short Description:
Violation Determined Date:
Actual Return to Compliance Date:
Violation Responsible Agency:
Enforcement Action Date:
Enforcement Agency:
Disposition Status Date:
Disposition Status:
Enforcement Type Description:

Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 19970716
Evaluation Agency: S
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - Pre-transport
Violation Determined Date: 19970716
Actual Return to Compliance Date: 20001231
Violation Responsible Agency: S
Enforcement Action Date:
Enforcement Agency:
Disposition Status Date:
Disposition Status:
Enforcement Type Description:
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 19851011
Evaluation Agency: S
Evaluation Type Description: COMPLIANCE SCHEDULE EVALUATION
Violation Short Description:
Violation Determined Date:
Actual Return to Compliance Date:
Violation Responsible Agency:
Enforcement Action Date:
Enforcement Agency:
Disposition Status Date:
Disposition Status:
Enforcement Type Description:
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 19980306
Evaluation Agency: S
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Violation Determined Date:
Actual Return to Compliance Date:
Violation Responsible Agency:
Enforcement Action Date:
Enforcement Agency:
Disposition Status Date:
Disposition Status:
Enforcement Type Description:
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Evaluation Start Date: 20130610
Evaluation Agency: S
Evaluation Type Description: COMPLIANCE ASSISTANCE VISIT
Violation Short Description:
Violation Determined Date:
Actual Return to Compliance Date:
Violation Responsible Agency:
Enforcement Action Date:
Enforcement Agency:
Disposition Status Date:
Disposition Status:
Enforcement Type Description:
Proposed Penalty Amount:
Paid Amount:
Final Amount:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
1	14 of 43	-	0.00 / 0.00	687.32	508 W. Wilson Street Kentland, IN Newton Co. IN	SPILLS

Incident NO:	35508
Incident Status:	Assigned to Staff
Incident Date/Time:	4/17/2013 1:30:00 PM
Reported Date/Time:	4/17/2013 1:37:20 PM
Spill Type:	Emergency Response-Emergency
Spill Source:	
Spilled Amount:	
Units:	
Material:	
Receiving Water:	
Public Intake:	
County:	Newton

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
1	15 of 43	-	0.00 / 0.00	687.32	BON L MANUFACTURING COMPANY 508 W WILSON ST KENTLAND IN 479510106	SWF

Permit Expires on:		**County:**	NEWTON
Open to public:		**Contact:**	
Facility Type:		**Phone NO:**	
SW Operator NO:	11830	**Responsible Party:**	
Match Key ID:		**Source:**	Virtual File Cabinet
RP Phone:			
Document Page Link:	http://108.59.49.89/search-results.aspx?xAIID=11830		
RP Address:			
Owner:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
1	16 of 43	-	0.00 / 0.00	687.32	BON L MANUFACTURING CO 508 W WILSON ST KENTLAND IN 47951	TRIS

TRI Facility ID:	47951CPTLP307WI	**Year:**	1992
BIA Code:		**Tribe:**	
Federal Facility:	NO	**County:**	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1392060195120
Chemical:	SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)
CAS/Compound ID:	007664939
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	64
Total Releases:	64
Sec 8 Releases:	64
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	500000
Production Waste:	577064
One-Time Release:	0
Production Ratio:	1.38

Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1392060195106
Chemical: CERTAIN GLYCOL ETHERS
CAS/Compound ID: N230
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 14400
Total Releases: 14400
Sec 8 Releases: 14000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 14000
One-Time Release: 0
Production Ratio: 1.21
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1392060195082
Chemical: METHYL ETHYL KETONE
CAS/Compound ID: 000078933
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 5600
Total Releases: 5600
Sec 8 Releases: 5600
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 44600
One-Time Release: 0
Production Ratio: 1.21
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1392060195118
Chemical: NITRIC ACID
CAS/Compound ID: 007697372
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 2511
Total Releases: 2511
Sec 8 Releases: 2500
On-site Contained: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	190000
Production Waste:	230500
One-Time Release:	0
Production Ratio:	1.43
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1392060195094
Chemical:	O-XYLENE
CAS/Compound ID:	000095476
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	110000
Total Releases:	110000
Sec 8 Releases:	110000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	160000
One-Time Release:	0
Production Ratio:	1.21
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1392060195132
Chemical:	PHOSPHORIC ACID
CAS/Compound ID:	007664382
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	612
Total Releases:	612
Sec 8 Releases:	610
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	98000
Production Waste:	1498610
One-Time Release:	0
Production Ratio:	1.43
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	*17 of 43*	-	*0.00 / 0.00*	*687.32*	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	2009
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	
Primary NAICS:	331316
Document Number:	1309207349960
Chemical:	CERTAIN GLYCOL ETHERS
CAS/Compound ID:	N230
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	6760
Total Releases:	6770
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	6760
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	9980
One-Time Release:	0
Production Ratio:	.78
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC:	
Primary NAICS:	331316
Document Number:	1309207349958
Chemical:	AMMONIA
CAS/Compound ID:	007664417
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	3
Total Releases:	2903
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	3
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	920
Production Waste:	4743
One-Time Release:	0
Production Ratio:	.65
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC:	
Primary NAICS:	331316
Document Number:	1309207350000
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	17600
Total Releases:	17619
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	17600

On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 104638
One-Time Release: 0
Production Ratio: .78
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1309207349996
Chemical: LEAD COMPOUNDS
CAS/Compound ID: N420
Clean Air Act?: YES
Classification: PBT
Metal: YES
Metal Category: 1
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: .000017
Total Releases: 1.180017
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: .000017
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 88.780017
One-Time Release: 0
Production Ratio: .65
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1309207349945
Chemical: 1,2,4-TRIMETHYLBENZENE
CAS/Compound ID: 000095636
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 12300
Total Releases: 12317
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 12300
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 18114
One-Time Release: 0
Production Ratio: .78
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1309207349972
Chemical: DIISOCYANATES
CAS/Compound ID: N120
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	0
Total Releases:	0
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	.56
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	
Primary NAICS:	331316
Document Number:	1309207349984
Chemical:	ETHYLBENZENE
CAS/Compound ID:	000100414
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	5300
Total Releases:	5306
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	5300
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	21312
One-Time Release:	0
Production Ratio:	.78
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***18 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	1988
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	3356
Primary NAICS:	331491
Document Number:	1388025683691
Chemical:	PHOSPHORIC ACID
CAS/Compound ID:	007664382
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	612
Total Releases:	612
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0

On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio:
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3356
Primary NAICS: 331491
Document Number: 1388025683715
Chemical: SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)
CAS/Compound ID: 007664939
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 64
Total Releases: 64
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio:
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3356
Primary NAICS: 331491
Document Number: 1388025683689
Chemical: NITRIC ACID
CAS/Compound ID: 007697372
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 2511
Total Releases: 2511
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio:
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3356
Primary NAICS: 331491
Document Number: 1388025683703
Chemical: SODIUM HYDROXIDE (SOLUTION)
CAS/Compound ID: 001310732
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Unit of Measure:	Pounds
On-Site Release Total:	1100
Total Releases:	1100
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3356
Primary NAICS:	331491
Document Number:	1388025683677
Chemical:	METHYL ETHYL KETONE
CAS/Compound ID:	000078933
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	5200
Total Releases:	5200
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3356
Primary NAICS:	331316
Document Number:	1388025683727
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	80000
Total Releases:	80000
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	*19 of 43*	-	*0.00 / 0.00*	*687.32*	***BON L MANUFACTURING CO*** ***508 W WILSON ST***	***TRIS***

KENTLAND IN 47951

TRI Facility ID:	47951CPTLP307WI	***Year:***	1993
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1393070298753
Chemical:	METHYL ETHYL KETONE
CAS/Compound ID:	000078933
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	5600
Total Releases:	5600
Sec 8 Releases:	5600
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	36600
One-Time Release:	0
Production Ratio:	.94
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1393070298765
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	103000
Total Releases:	103000
Sec 8 Releases:	100000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	142000
One-Time Release:	0
Production Ratio:	.94
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1393070298777
Chemical:	PHOSPHORIC ACID
CAS/Compound ID:	007664382
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds

On-Site Release Total: 612
Total Releases: 612
Sec 8 Releases: 610
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 140000
Production Waste: 1340610
One-Time Release: 0
Production Ratio: .99
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1393070298803
Chemical: CERTAIN GLYCOL ETHERS
CAS/Compound ID: N230
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 10080
Total Releases: 10080
Sec 8 Releases: 10000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 10000
One-Time Release: 0
Production Ratio: .94
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1393070298791
Chemical: NITRIC ACID
CAS/Compound ID: 007697372
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 2511
Total Releases: 2511
Sec 8 Releases: 2500
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 220000
Production Waste: 256500
One-Time Release: 0
Production Ratio: .99
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1393070298740
Chemical: N-BUTYL ALCOHOL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

CAS/Compound ID:	000071363
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	11100
Total Releases:	11100
Sec 8 Releases:	11000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	11000
One-Time Release:	0
Production Ratio:	.94
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1393070298789
Chemical:	SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)
CAS/Compound ID:	007664939
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	64
Total Releases:	64
Sec 8 Releases:	64
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	640000
Production Waste:	709064
One-Time Release:	0
Production Ratio:	.98
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***20 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	2005
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1305203399542
Chemical:	1,2,4-TRIMETHYLBENZENE
CAS/Compound ID:	000095636
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	21100

Total Releases:	21350
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	21000
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	29648
One-Time Release:	0
Production Ratio:	1.14
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1305203399530
Chemical:	LEAD COMPOUNDS
CAS/Compound ID:	N420
Clean Air Act?:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	.00003
Total Releases:	1.23003
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	.00003
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	171.23003
One-Time Release:	0
Production Ratio:	1.14
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1305203399516
Chemical:	ETHYLBENZENE
CAS/Compound ID:	000100414
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	18800
Total Releases:	19050
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	19000
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	46040
One-Time Release:	0
Production Ratio:	1.14
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1305203399504
Chemical:	CERTAIN GLYCOL ETHERS
CAS/Compound ID:	N230

Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 23300
Total Releases: 23550
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 23000
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 32453
One-Time Release: 0
Production Ratio: 1.14
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1305203399555
Chemical: AMMONIA
CAS/Compound ID: 007664417
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 255
Total Releases: 255
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 17
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 17
One-Time Release: 0
Production Ratio: 1.14
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1305203399492
Chemical: XYLENE (MIXED ISOMERS)
CAS/Compound ID: 001330207
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 75000
Total Releases: 75250
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 74000
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 214150
One-Time Release: 0
Production Ratio: 1.14
Parent Company Name: TREDEGAR CORP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1305203399528
Chemical:	DIISOCYANATES
CAS/Compound ID:	N120
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	0
Total Releases:	0
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	1.03
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***21 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	2000
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1300140413345
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	72600
Total Releases:	72850
Sec 8 Releases:	73000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	144000
One-Time Release:	0
Production Ratio:	1.11
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1300140413360
Chemical:	CERTAIN GLYCOL ETHERS
CAS/Compound ID:	N230
Clean Air Act?:	YES

Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 20000
Total Releases: 20250
Sec 8 Releases: 20000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 26400
One-Time Release: 0
Production Ratio: 1.11
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1300140413333
Chemical: METHYL ETHYL KETONE
CAS/Compound ID: 000078933
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 1500
Total Releases: 1505
Sec 8 Releases: 1700
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 15700
One-Time Release: 0
Production Ratio: 1.11
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1300140413396
Chemical: DIISOCYANATES
CAS/Compound ID: N120
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 0
Total Releases: 0
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio: 1.62
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785

+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1300140413358
Chemical: NITRIC ACID
CAS/Compound ID: 007697372
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 1305
Total Releases: 1305
Sec 8 Releases: 1300
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 87000
Production Waste: 88300
One-Time Release: 0
Production Ratio: .95
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1300140413384
Chemical: NITRATE COMPOUNDS
CAS/Compound ID: N511
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 86000
Total Releases: 86250
Sec 8 Releases: 87000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 87000
One-Time Release: 0
Production Ratio: .95
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1300140413372
Chemical: ETHYLBENZENE
CAS/Compound ID: 000100414
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 7900
Total Releases: 8150
Sec 8 Releases: 8000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	19000
One-Time Release:	0
Production Ratio:	1.11
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	22 of 43	-	0.00 / 0.00	687.32	BON L MANUFACTURING CO 508 W WILSON ST KENTLAND IN 47951	TRIS

TRI Facility ID:	47951CPTLP307WI	**Year:**	1998
BIA Code:		**Tribe:**	
Federal Facility:	NO	**County:**	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1398120732363
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	56100
Total Releases:	56350
Sec 8 Releases:	56000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	125000
One-Time Release:	0
Production Ratio:	.91
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1398120732401
Chemical:	ETHYLBENZENE
CAS/Compound ID:	000100414
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	13900
Total Releases:	14150
Sec 8 Releases:	13000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	25000
One-Time Release:	0
Production Ratio:	.91
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1398120732375
Chemical: PHOSPHORIC ACID
CAS/Compound ID: 007664382
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 1000
Total Releases: 1000
Sec 8 Releases: 610
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 81000
On-Site Treatment: 130000
Production Waste: 211610
One-Time Release: 0
Production Ratio: 1.15
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1398120732351
Chemical: METHYL ETHYL KETONE
CAS/Compound ID: 000078933
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 4000
Total Releases: 4005
Sec 8 Releases: 4000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 22000
One-Time Release: 0
Production Ratio: .91
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1398120732413
Chemical: NITRATE COMPOUNDS
CAS/Compound ID: N511
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 110000
Total Releases: 110570
Sec 8 Releases: 110000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

On-Site Treatment:	0
Production Waste:	110000
One-Time Release:	0
Production Ratio:	1.15
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1398120732399
Chemical:	CERTAIN GLYCOL ETHERS
CAS/Compound ID:	N230
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	11200
Total Releases:	11450
Sec 8 Releases:	12000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	17200
One-Time Release:	0
Production Ratio:	.91
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1398120732387
Chemical:	NITRIC ACID
CAS/Compound ID:	007697372
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	2750
Total Releases:	2750
Sec 8 Releases:	2500
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	60000
Production Waste:	62500
One-Time Release:	0
Production Ratio:	1.15
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***23 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	1999
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	3354

Primary NAICS: 331316
Document Number: 1399130659941
Chemical: CERTAIN GLYCOL ETHERS
CAS/Compound ID: N230
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 8550
Total Releases: 8800
Sec 8 Releases: 8700
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 14600
One-Time Release: 0
Production Ratio: 1.27
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1399130659927
Chemical: XYLENE (MIXED ISOMERS)
CAS/Compound ID: 001330207
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 56000
Total Releases: 56250
Sec 8 Releases: 56000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 127000
One-Time Release: 0
Production Ratio: 1.27
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1399130659939
Chemical: NITRIC ACID
CAS/Compound ID: 007697372
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 2750
Total Releases: 2750
Sec 8 Releases: 2500
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 170000

Production Waste: 172500
One-Time Release: 0
Production Ratio: 1.03
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1399130659954
Chemical: ETHYLBENZENE
CAS/Compound ID: 000100414
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 6600
Total Releases: 6850
Sec 8 Releases: 6600
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 17600
One-Time Release: 0
Production Ratio: 1.27
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1399130519008
Chemical: DIISOCYANATES
CAS/Compound ID: N120
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 0
Total Releases: 0
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio: 1.86
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1399130659966
Chemical: NITRATE COMPOUNDS
CAS/Compound ID: N511
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 210000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Total Releases:	211400
Sec 8 Releases:	210000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	210000
One-Time Release:	0
Production Ratio:	1.03
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1399130659915
Chemical:	METHYL ETHYL KETONE
CAS/Compound ID:	000078933
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	2700
Total Releases:	2705
Sec 8 Releases:	2700
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	19700
One-Time Release:	0
Production Ratio:	1.27
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	*24 of 43*	-	*0.00 / 0.00*	*687.32*	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	**Year:**	1995
BIA Code:		**Tribe:**	
Federal Facility:	NO	**County:**	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1395090518503
Chemical:	PHOSPHORIC ACID
CAS/Compound ID:	007664382
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	1000
Total Releases:	1000
Sec 8 Releases:	610
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	83000
Production Waste:	83610

One-Time Release: 0
Production Ratio: .85
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1395090518515
Chemical: NITRIC ACID
CAS/Compound ID: 007697372
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 2750
Total Releases: 2750
Sec 8 Releases: 2500
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 29000
Production Waste: 31500
One-Time Release: 0
Production Ratio: .85
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1395090518491
Chemical: XYLENE (MIXED ISOMERS)
CAS/Compound ID: 001330207
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 76000
Total Releases: 76250
Sec 8 Releases: 76000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 160000
One-Time Release: 0
Production Ratio: 1.06
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1395090518489
Chemical: METHYL ETHYL KETONE
CAS/Compound ID: 000078933
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 5300
Total Releases: 5305

Sec 8 Releases: 5300
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 35300
One-Time Release: 0
Production Ratio: 1.06
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1395090518527
Chemical: CERTAIN GLYCOL ETHERS
CAS/Compound ID: N230
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 11100
Total Releases: 11350
Sec 8 Releases: 11000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 13400
One-Time Release: 0
Production Ratio: 1.06
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1395090518541
Chemical: NITRATE COMPOUNDS
CAS/Compound ID: N511
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 80000
Total Releases: 80550
Sec 8 Releases: 80000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 80000
One-Time Release: 0
Production Ratio: .85
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1395090518539
Chemical: ETHYLBENZENE
CAS/Compound ID: 000100414
Clean Air Act?: YES

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	8000
Total Releases:	8250
Sec 8 Releases:	8000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	24000
One-Time Release:	0
Production Ratio:	1.06
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	25 of 43	-	0.00 / 0.00	687.32	BON L MANUFACTURING CO 508 W WILSON ST KENTLAND IN 47951	TRIS

TRI Facility ID:	47951CPTLP307WI	**Year:**	2011
BIA Code:		**Tribe:**	
Federal Facility:	NO	**County:**	NEWTON

--- Details ---

Primary SIC:	
Primary NAICS:	331316
Document Number:	1311209155567
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	15000
Total Releases:	15025
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	15000
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	105025
One-Time Release:	0
Production Ratio:	.74
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC:	
Primary NAICS:	331316
Document Number:	1311209962962
Chemical:	AMMONIA
CAS/Compound ID:	007664417
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	2
Total Releases:	1802
Sec 8 Releases:	0

On-site Contained: 0
On-site Other: 2
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 2300
Production Waste: 6402
One-Time Release: 0
Production Ratio: .07
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1311209155542
Chemical: ETHYLBENZENE
CAS/Compound ID: 000100414
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 3800
Total Releases: 3807
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 3800
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 19907
One-Time Release: 0
Production Ratio: .74
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1311209155516
Chemical: 1,2,4-TRIMETHYLBENZENE
CAS/Compound ID: 000095636
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 12200
Total Releases: 12229
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 12200
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 14929
One-Time Release: 0
Production Ratio: .74
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1311209962974
Chemical: LEAD COMPOUNDS
CAS/Compound ID: N420
Clean Air Act?: YES
Classification: PBT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Metal:	YES
Metal Category:	1
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	.053014
Total Releases:	.853014
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	.053014
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	93.753014
One-Time Release:	0
Production Ratio:	.98
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	
Primary NAICS:	331316
Document Number:	1311209155530
Chemical:	DIISOCYANATES
CAS/Compound ID:	N120
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	0
Total Releases:	0
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	1.01
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***26 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	2004
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1304202509814
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	61000
Total Releases:	61250
Sec 8 Releases:	0
On-site Contained:	0

On-site Other: 61000
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 171110
One-Time Release: 0
Production Ratio: 1.03
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1304202509840
Chemical: DIISOCYANATES
CAS/Compound ID: N120
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 0
Total Releases: 0
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio: 1.12
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1304202509838
Chemical: ETHYLBENZENE
CAS/Compound ID: 000100414
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 15200
Total Releases: 15450
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 15000
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 36030
One-Time Release: 0
Production Ratio: 1.03
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1304202509877
Chemical: AMMONIA
CAS/Compound ID: 007664417
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO

Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 255
Total Releases: 255
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 32
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 32
One-Time Release: 0
Production Ratio: 1.08
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1304202509826
Chemical: CERTAIN GLYCOL ETHERS
CAS/Compound ID: N230
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 18800
Total Releases: 19050
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 19000
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 25338
One-Time Release: 0
Production Ratio: 1.03
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1304202509853
Chemical: LEAD COMPOUNDS
CAS/Compound ID: N420
Clean Air Act?: YES
Classification: PBT
Metal: YES
Metal Category: 1
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: .00001
Total Releases: 1.50001
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: .00001
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 161.50001
One-Time Release: 0
Production Ratio: 1.08
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Primary NAICS:	331316
Document Number:	1304202509865
Chemical:	1,2,4-TRIMETHYLBENZENE
CAS/Compound ID:	000095636
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	19900
Total Releases:	20150
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	20000
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	25533
One-Time Release:	0
Production Ratio:	1.03
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	27 of 43	-	0.00 / 0.00	687.32	BON L MANUFACTURING CO 508 W WILSON ST KENTLAND IN 47951	TRIS

TRI Facility ID:	47951CPTLP307WI	**Year:**	1989
BIA Code:		**Tribe:**	
Federal Facility:	NO	**County:**	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1389035192069
Chemical:	SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)
CAS/Compound ID:	007664939
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	64
Total Releases:	64
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1389035192095
Chemical:	METHYL ETHYL KETONE
CAS/Compound ID:	000078933
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0

Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 5000
Total Releases: 5000
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio:
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1389035192071
Chemical: PHOSPHORIC ACID
CAS/Compound ID: 007664382
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 612
Total Releases: 612
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio:
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1389035192057
Chemical: XYLENE (MIXED ISOMERS)
CAS/Compound ID: 001330207
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 67900
Total Releases: 67900
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio:
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Document Number:	1389035192083
Chemical:	NITRIC ACID
CAS/Compound ID:	007697372
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	2511
Total Releases:	2511
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	28 of 43	-	0.00 / 0.00	687.32	BON L MANUFACTURING CO 508 W WILSON ST KENTLAND IN 47951	TRIS

TRI Facility ID:	47951CPTLP307WI	**Year:**	1991
BIA Code:		**Tribe:**	
Federal Facility:	NO	**County:**	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1391050015383
Chemical:	SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)
CAS/Compound ID:	007664939
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	64
Total Releases:	64
Sec 8 Releases:	64
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	530000
Production Waste:	578064
One-Time Release:	0
Production Ratio:	.83
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1391050015407
Chemical:	PHOSPHORIC ACID
CAS/Compound ID:	007664382
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO

Unit of Measure: Pounds
On-Site Release Total: 612
Total Releases: 612
Sec 8 Releases: 610
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 220000
Production Waste: 1080610
One-Time Release: 0
Production Ratio: .7
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1391050015395
Chemical: NITRIC ACID
CAS/Compound ID: 007697372
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 2511
Total Releases: 2511
Sec 8 Releases: 2500
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 130000
Production Waste: 156500
One-Time Release: 0
Production Ratio: .7
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1391050015421
Chemical: METHYL ETHYL KETONE
CAS/Compound ID: 000078933
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 5000
Total Releases: 5000
Sec 8 Releases: 5000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 32000
One-Time Release: 0
Production Ratio: 1.47
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1391050015419

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Chemical:	O-XYLENE
CAS/Compound ID:	000095476
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	93000
Total Releases:	93000
Sec 8 Releases:	93000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	132000
One-Time Release:	0
Production Ratio:	1.47
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	29 of 43	-	0.00 / 0.00	687.32	BON L MANUFACTURING CO 508 W WILSON ST KENTLAND IN 47951	TRIS

TRI Facility ID:	47951CPTLP307WI	**Year:**	2001
BIA Code:		**Tribe:**	
Federal Facility:	NO	**County:**	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1301150639387
Chemical:	METHYL ETHYL KETONE
CAS/Compound ID:	000078933
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	1790
Total Releases:	1795
Sec 8 Releases:	1800
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	17800
One-Time Release:	0
Production Ratio:	.84
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1301150639425
Chemical:	DIISOCYANATES
CAS/Compound ID:	N120
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds

On-Site Release Total: 0
Total Releases: 0
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio: 1.62
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1301150639413
Chemical: ETHYLBENZENE
CAS/Compound ID: 000100414
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 3950
Total Releases: 4200
Sec 8 Releases: 4000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 15000
One-Time Release: 0
Production Ratio: .84
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1301150639399
Chemical: XYLENE (MIXED ISOMERS)
CAS/Compound ID: 001330207
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 75000
Total Releases: 75250
Sec 8 Releases: 75000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 135000
One-Time Release: 0
Production Ratio: .84
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1301150639401
Chemical: CERTAIN GLYCOL ETHERS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

CAS/Compound ID:	N230
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	23300
Total Releases:	23550
Sec 8 Releases:	23000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	24200
One-Time Release:	0
Production Ratio:	.84
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1301150729503
Chemical:	LEAD COMPOUNDS
CAS/Compound ID:	N420
Clean Air Act?:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	.00011
Total Releases:	1.03013
Sec 8 Releases:	1
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	61
One-Time Release:	0
Production Ratio:	.77
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***30 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	1996
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1396100439557
Chemical:	PHOSPHORIC ACID
CAS/Compound ID:	007664382
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	762

Total Releases:	762
Sec 8 Releases:	610
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	82000
Production Waste:	82610
One-Time Release:	0
Production Ratio:	.97
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1396100439583
Chemical:	NITRATE COMPOUNDS
CAS/Compound ID:	N511
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	87000
Total Releases:	87790
Sec 8 Releases:	88000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	88000
One-Time Release:	0
Production Ratio:	.97
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1396100439532
Chemical:	METHYL ETHYL KETONE
CAS/Compound ID:	000078933
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	5300
Total Releases:	5305
Sec 8 Releases:	5300
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	32300
One-Time Release:	0
Production Ratio:	1.2
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1396100439569
Chemical:	NITRIC ACID
CAS/Compound ID:	007697372

Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 2750
Total Releases: 2750
Sec 8 Releases: 2500
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 37000
Production Waste: 39500
One-Time Release: 0
Production Ratio: .97
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1396100439595
Chemical: ETHYLBENZENE
CAS/Compound ID: 000100414
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 9200
Total Releases: 9450
Sec 8 Releases: 9300
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 26300
One-Time Release: 0
Production Ratio: 1.2
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1396100439571
Chemical: CERTAIN GLYCOL ETHERS
CAS/Compound ID: N230
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 15600
Total Releases: 15850
Sec 8 Releases: 16000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 20400
One-Time Release: 0
Production Ratio: 1.2
Parent Company Name: TREDEGAR CORP

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1396100439544
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	83000
Total Releases:	83250
Sec 8 Releases:	83000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	172000
One-Time Release:	0
Production Ratio:	1.2
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***31 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	2002
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1302200051821
Chemical:	LEAD COMPOUNDS
CAS/Compound ID:	N420
Clean Air Act?:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	.000378
Total Releases:	2.82046
Sec 8 Releases:	2.82
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	170.82
One-Time Release:	0
Production Ratio:	1.07
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1302200051795
Chemical:	CERTAIN GLYCOL ETHERS
CAS/Compound ID:	N230
Clean Air Act?:	YES

Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 18800
Total Releases: 19050
Sec 8 Releases: 19000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 25000
One-Time Release: 0
Production Ratio: 1.13
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1302200051845
Chemical: XYLENE (MIXED ISOMERS)
CAS/Compound ID: 001330207
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 41100
Total Releases: 41350
Sec 8 Releases: 41000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 119000
One-Time Release: 0
Production Ratio: 1.13
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1302200051783
Chemical: 1,2,4-TRIMETHYLBENZENE
CAS/Compound ID: 000095636
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 13300
Total Releases: 13550
Sec 8 Releases: 14000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 16600
One-Time Release: 0
Production Ratio: 1.13
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785

+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1302200051833
Chemical: METHYL ETHYL KETONE
CAS/Compound ID: 000078933
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 1710
Total Releases: 1715
Sec 8 Releases: 1700
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 25700
One-Time Release: 0
Production Ratio: 1.13
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1302200051807
Chemical: DIISOCYANATES
CAS/Compound ID: N120
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 0
Total Releases: 0
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio: .33
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1302200051819
Chemical: ETHYLBENZENE
CAS/Compound ID: 000100414
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 10800
Total Releases: 11050
Sec 8 Releases: 11000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	26000
One-Time Release:	0
Production Ratio:	1.13
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	32 of 43	-	0.00 / 0.00	687.32	BON L MANUFACTURING CO 508 W WILSON ST KENTLAND IN 47951	TRIS

TRI Facility ID:	47951CPTLP307WI	**Year:**	2006
BIA Code:		**Tribe:**	
Federal Facility:	NO	**County:**	NEWTON

--- Details ---

Primary SIC:	
Primary NAICS:	331316
Document Number:	1306204546333
Chemical:	1,2,4-TRIMETHYLBENZENE
CAS/Compound ID:	000095636
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	24400
Total Releases:	24650
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	24000
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	31385
One-Time Release:	0
Production Ratio:	.88
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC:	
Primary NAICS:	331316
Document Number:	1306204546345
Chemical:	AMMONIA
CAS/Compound ID:	007664417
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	255
Total Releases:	255
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	4
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	1.8
Production Waste:	5.8
One-Time Release:	0
Production Ratio:	.92
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC:
Primary NAICS: 331316
Document Number: 1306204546358
Chemical: CERTAIN GLYCOL ETHERS
CAS/Compound ID: N230
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 12200
Total Releases: 12450
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 12000
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 15642
One-Time Release: 0
Production Ratio: .88
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1306204546360
Chemical: DIISOCYANATES
CAS/Compound ID: N120
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 0
Total Releases: 0
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio: 1.45
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1306204546396
Chemical: XYLENE (MIXED ISOMERS)
CAS/Compound ID: 001330207
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 29800
Total Releases: 30050
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 30000
On-site Energy Recovery: 0
On-Site Recycling: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

On-Site Treatment:	0
Production Waste:	135886
One-Time Release:	0
Production Ratio:	.88
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	
Primary NAICS:	331316
Document Number:	1306204546384
Chemical:	LEAD COMPOUNDS
CAS/Compound ID:	N420
Clean Air Act?:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	.00003
Total Releases:	2.32003
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	.00003
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	162.32003
One-Time Release:	0
Production Ratio:	.92
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	
Primary NAICS:	331316
Document Number:	1306204546372
Chemical:	ETHYLBENZENE
CAS/Compound ID:	000100414
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	7200
Total Releases:	7450
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	7200
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	26222
One-Time Release:	0
Production Ratio:	.88
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***33 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	2003
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	3354

Primary NAICS:	331316
Document Number:	1303201451515
Chemical:	CERTAIN GLYCOL ETHERS
CAS/Compound ID:	N230
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	22200
Total Releases:	22450
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	22000
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	28246
One-Time Release:	0
Production Ratio:	1.3
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1303201451503
Chemical:	DIISOCYANATES
CAS/Compound ID:	N120
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	0
Total Releases:	0
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	1.9
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1303201451453
Chemical:	LEAD COMPOUNDS
CAS/Compound ID:	N420
Clean Air Act?:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	.00042
Total Releases:	2.98142
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	.0004
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0

Production Waste: 204.9714
One-Time Release: 0
Production Ratio: 1.12
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1303201451527
Chemical: 1,2,4-TRIMETHYLBENZENE
CAS/Compound ID: 000095636
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 17800
Total Releases: 18050
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 18000
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 23037
One-Time Release: 0
Production Ratio: 1.3
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1303201451489
Chemical: METHYL ETHYL KETONE
CAS/Compound ID: 000078933
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 1750
Total Releases: 1755
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 1800
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 30801
One-Time Release: 0
Production Ratio: 1.3
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1303201451477
Chemical: N-BUTYL ALCOHOL
CAS/Compound ID: 000071363
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 8200

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Total Releases:	8450
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	8200
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	10514
One-Time Release:	0
Production Ratio:	1.3
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1303201451491
Chemical:	ETHYLBENZENE
CAS/Compound ID:	000100414
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	13000
Total Releases:	13250
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	13000
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	32026
One-Time Release:	0
Production Ratio:	1.3
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1303201451465
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	51200
Total Releases:	51450
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	51000
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	151096
One-Time Release:	0
Production Ratio:	1.3
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***34 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	**Year:**	1990
BIA Code:		**Tribe:**	
Federal Facility:	NO	**County:**	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1390045662943
Chemical:	METHYL ETHYL KETONE
CAS/Compound ID:	000078933
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	5400
Total Releases:	5400
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1390045662970
Chemical:	SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)
CAS/Compound ID:	007664939
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	64
Total Releases:	64
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1390045662956
Chemical:	NITRIC ACID
CAS/Compound ID:	007697372
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	2511
Total Releases:	2511

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1390045662968
Chemical:	PHOSPHORIC ACID
CAS/Compound ID:	007664382
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	612
Total Releases:	612
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1390045662931
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	69100
Total Releases:	69100
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***35 of 43***	-	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID: 47951CPTLP307WI ***Year:*** 2008

BIA Code: **Tribe:**
Federal Facility: NO **County:** NEWTON

--- Details ---

Primary SIC:
Primary NAICS: 331316
Document Number: 1308206814384
Chemical: AMMONIA
CAS/Compound ID: 007664417
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 4
Total Releases: 4
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 4
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 980
Production Waste: 1964
One-Time Release: 0
Production Ratio: .81
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1308206814408
Chemical: DIISOCYANATES
CAS/Compound ID: N120
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 0
Total Releases: 0
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio: 1.09
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1308206814396
Chemical: CERTAIN GLYCOL ETHERS
CAS/Compound ID: N230
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 11100
Total Releases: 11126
Sec 8 Releases: 0

On-site Contained: 0
On-site Other: 11100
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 14426
One-Time Release: 0
Production Ratio: .76
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1308206814422
Chemical: LEAD COMPOUNDS
CAS/Compound ID: N420
Clean Air Act?: YES
Classification: PBT
Metal: YES
Metal Category: 1
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: .000009
Total Releases: 1.800009
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: .000009
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 118.900009
One-Time Release: 0
Production Ratio: .81
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1308206814372
Chemical: 1,2,4-TRIMETHYLBENZENE
CAS/Compound ID: 000095636
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 17300
Total Releases: 17337
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 17300
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 22037
One-Time Release: 0
Production Ratio: .76
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1308206814434
Chemical: XYLENE (MIXED ISOMERS)
CAS/Compound ID: 001330207
Clean Air Act?: YES
Classification: NON-PBT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	25700
Total Releases:	25745
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	25700
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	125745
One-Time Release:	0
Production Ratio:	.76
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	
Primary NAICS:	331316
Document Number:	1308206814410
Chemical:	ETHYLBENZENE
CAS/Compound ID:	000100414
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	7720
Total Releases:	7735
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	7720
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	26235
One-Time Release:	0
Production Ratio:	.76
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***36 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	2012
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	
Primary NAICS:	331316
Document Number:	1312210206506
Chemical:	LEAD COMPOUNDS
CAS/Compound ID:	N420
Clean Air Act?:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	.0221502
Total Releases:	.3098438
Sec 8 Releases:	0
On-site Contained:	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

On-site Other:	.0221502
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	46.1098438
One-Time Release:	0
Production Ratio:	.4
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	
Primary NAICS:	331316
Document Number:	1312209933023
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	3900
Total Releases:	3902
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	3900
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	23902
One-Time Release:	0
Production Ratio:	.36
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	37 of 43	-	0.00 / 0.00	687.32	**BON L MANUFACTURING CO** **508 W WILSON ST** **KENTLAND IN 47951**	TRIS

TRI Facility ID:	47951CPTLP307WI	**Year:**	1987
BIA Code:		**Tribe:**	
Federal Facility:	NO	**County:**	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	
Document Number:	1387010187159
Chemical:	SODIUM HYDROXIDE (SOLUTION)
CAS/Compound ID:	001310732
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	1100
Total Releases:	1100
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP

Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS:
Document Number: 1387010187173
Chemical: SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)
CAS/Compound ID: 007664939
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 64
Total Releases: 64
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio:
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS:
Document Number: 1387010187161
Chemical: SODIUM SULFATE (SOLUTION)
CAS/Compound ID: 007757826
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 730000
Total Releases: 730000
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio:
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS:
Document Number: 1387010187185
Chemical: XYLENE (MIXED ISOMERS)
CAS/Compound ID: 001330207
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 59200
Total Releases: 59200
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0

On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio:
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS:
Document Number: 1387010187122
Chemical: METHYL ETHYL KETONE
CAS/Compound ID: 000078933
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 5260
Total Releases: 5260
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio:
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS:
Document Number: 1387010187146
Chemical: PHOSPHORIC ACID
CAS/Compound ID: 007664382
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 612
Total Releases: 612
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio:
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS:
Document Number: 1387010187134
Chemical: NITRIC ACID
CAS/Compound ID: 007697372
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	2511
Total Releases:	2511
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***38 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	2010
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	
Primary NAICS:	331316
Document Number:	1310208656672
Chemical:	1,2,4-TRIMETHYLBENZENE
CAS/Compound ID:	000095636
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	15700
Total Releases:	15738
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	15700
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	19788
One-Time Release:	0
Production Ratio:	.97
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC:	
Primary NAICS:	331316
Document Number:	1310208656696
Chemical:	ETHYLBENZENE
CAS/Compound ID:	000100414
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	5500
Total Releases:	5511
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	5500
On-site Energy Recovery:	0

On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 26111
One-Time Release: 0
Production Ratio: .97
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1310208656710
Chemical: XYLENE (MIXED ISOMERS)
CAS/Compound ID: 001330207
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 19900
Total Releases: 19934
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 19900
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 133734
One-Time Release: 0
Production Ratio: .97
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1310208656684
Chemical: DIISOCYANATES
CAS/Compound ID: N120
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 0
Total Releases: 0
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio: .71
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1310208656708
Chemical: LEAD COMPOUNDS
CAS/Compound ID: N420
Clean Air Act?: YES
Classification: PBT
Metal: YES
Metal Category: 1
Carcinogen: NO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Unit of Measure:	Pounds
On-Site Release Total:	.000014
Total Releases:	.890014
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	.000014
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	92.190014
One-Time Release:	0
Production Ratio:	1.22
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***39 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	1994
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1394080401363
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	117000
Total Releases:	117000
Sec 8 Releases:	120000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	174000
One-Time Release:	0
Production Ratio:	1.02
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

+

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1394080401348
Chemical:	N-BUTYL ALCOHOL
CAS/Compound ID:	000071363
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	11100
Total Releases:	11100
Sec 8 Releases:	11000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0

On-Site Treatment: 0
Production Waste: 11240
One-Time Release: 0
Production Ratio: 1.02
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1394080401401
Chemical: CERTAIN GLYCOL ETHERS
CAS/Compound ID: N230
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 12200
Total Releases: 12200
Sec 8 Releases: 13000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 13280
One-Time Release: 0
Production Ratio: 1.02
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1394080401351
Chemical: METHYL ETHYL KETONE
CAS/Compound ID: 000078933
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 7200
Total Releases: 7200
Sec 8 Releases: 7200
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 45200
One-Time Release: 0
Production Ratio: 1.02
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1394080401375
Chemical: PHOSPHORIC ACID
CAS/Compound ID: 007664382
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

On-Site Release Total:	1000
Total Releases:	1000
Sec 8 Releases:	610
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	120000
Production Waste:	1420610
One-Time Release:	0
Production Ratio:	1.13
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1394080401399
Chemical:	NITRIC ACID
CAS/Compound ID:	007697372
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	2750
Total Releases:	2750
Sec 8 Releases:	2500
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	210000
Production Waste:	248500
One-Time Release:	0
Production Ratio:	1.13
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	*40 of 43*	-	*0.00 / 0.00*	*687.32*	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	1997
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1397110511173
Chemical:	METHYL ETHYL KETONE
CAS/Compound ID:	000078933
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	4300
Total Releases:	4305
Sec 8 Releases:	4300
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0

Production Waste: 21300
One-Time Release: 0
Production Ratio: .79
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1397110511197
Chemical: PHOSPHORIC ACID
CAS/Compound ID: 007664382
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 1000
Total Releases: 1000
Sec 8 Releases: 610
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 160000
Production Waste: 160610
One-Time Release: 0
Production Ratio: 1.02
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1397110511209
Chemical: CERTAIN GLYCOL ETHERS
CAS/Compound ID: N230
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 11100
Total Releases: 11350
Sec 8 Releases: 11000
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 15900
One-Time Release: 0
Production Ratio: .79
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC: 3354
Primary NAICS: 331316
Document Number: 1397110511235
Chemical: NITRIC ACID
CAS/Compound ID: 007697372
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 2750

Total Releases:	2750
Sec 8 Releases:	2500
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	79000
Production Waste:	81500
One-Time Release:	0
Production Ratio:	1.02
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1397110511223
Chemical:	NITRATE COMPOUNDS
CAS/Compound ID:	N511
Clean Air Act?:	NO
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	130000
Total Releases:	131000
Sec 8 Releases:	130000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	130000
One-Time Release:	0
Production Ratio:	1.02
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1397110416815
Chemical:	DIISOCYANATES
CAS/Compound ID:	N120
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	0
Total Releases:	0
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	0
One-Time Release:	0
Production Ratio:	1.1
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1397110511185
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	61800
Total Releases:	62050
Sec 8 Releases:	62000
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	129000
One-Time Release:	0
Production Ratio:	.79
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785
+	
Primary SIC:	3354
Primary NAICS:	331316
Document Number:	1397110511211
Chemical:	ETHYLBENZENE
CAS/Compound ID:	000100414
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	9300
Total Releases:	9550
Sec 8 Releases:	9200
On-site Contained:	0
On-site Other:	0
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	23200
One-Time Release:	0
Production Ratio:	.79
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	***41 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING CO*** ***508 W WILSON ST*** ***KENTLAND IN 47951***	***TRIS***

TRI Facility ID:	47951CPTLP307WI	***Year:***	2007
BIA Code:		***Tribe:***	
Federal Facility:	NO	***County:***	NEWTON

--- Details ---

Primary SIC:	
Primary NAICS:	331316
Document Number:	1307205445125
Chemical:	XYLENE (MIXED ISOMERS)
CAS/Compound ID:	001330207
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	30700
Total Releases:	30767

Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 31000
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 121067
One-Time Release: 0
Production Ratio: .92
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1307205445113
Chemical: LEAD COMPOUNDS
CAS/Compound ID: N420
Clean Air Act?: YES
Classification: PBT
Metal: YES
Metal Category: 1
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: .000016
Total Releases: 1.780016
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: .000016
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 135.980016
One-Time Release: 0
Production Ratio: .85
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1307205445099
Chemical: DIISOCYANATES
CAS/Compound ID: N120
Clean Air Act?: YES
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 0
Total Releases: 0
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 0
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 0
One-Time Release: 0
Production Ratio: .96
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1307205445087
Chemical: CERTAIN GLYCOL ETHERS
CAS/Compound ID: N230
Clean Air Act?: YES

Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 13300
Total Releases: 13334
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 13000
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 14134
One-Time Release: 0
Production Ratio: .92
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1307205445063
Chemical: 1,2,4-TRIMETHYLBENZENE
CAS/Compound ID: 000095636
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 27400
Total Releases: 27470
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 27000
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 0
Production Waste: 29370
One-Time Release: 0
Production Ratio: .92
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785
+
Primary SIC:
Primary NAICS: 331316
Document Number: 1307205445075
Chemical: AMMONIA
CAS/Compound ID: 007664417
Clean Air Act?: NO
Classification: NON-PBT
Metal: NO
Metal Category: 0
Carcinogen: NO
Unit of Measure: Pounds
On-Site Release Total: 10
Total Releases: 10
Sec 8 Releases: 0
On-site Contained: 0
On-site Other: 4
On-site Energy Recovery: 0
On-Site Recycling: 0
On-Site Treatment: 2
Production Waste: 6
One-Time Release: 0
Production Ratio: .85
Parent Company Name: TREDEGAR CORP
Parent Company DB No: 555463785

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

+

Primary SIC:	
Primary NAICS:	331316
Document Number:	1307205445101
Chemical:	ETHYLBENZENE
CAS/Compound ID:	000100414
Clean Air Act?:	YES
Classification:	NON-PBT
Metal:	NO
Metal Category:	0
Carcinogen:	NO
Unit of Measure:	Pounds
On-Site Release Total:	8600
Total Releases:	8620
Sec 8 Releases:	0
On-site Contained:	0
On-site Other:	8600
On-site Energy Recovery:	0
On-Site Recycling:	0
On-Site Treatment:	0
Production Waste:	24620
One-Time Release:	0
Production Ratio:	.92
Parent Company Name:	TREDEGAR CORP
Parent Company DB No:	555463785

1	42 of 43	-	0.00 / 0.00	687.32	BON L MANUFACTURING CO 508 WILSON ST KENTLAND IN 479510106	TSCA

Site County: NEWTON

Site Details

Chemical Report ID:	464152
Chemical ID Number:	1302-42-7
Number ID Code:	CASRN
Chemical Name:	Aluminate (AlO21-), sodium (1:1)
Activity:	M
DOM MFG LB:	104000
Imported LB:	0
Imported Never at Site:	
Volume Used:	0
Volume Exported:	0
Number of Workers:	100 - 499
Max Concentration:	1% - < 30%
Chemical Recycled:	YES
Physical Forms:	Liquid
Past Product Volume:	92000
Parent Company Name:	TREDEGAR CORP
Parent Address:	1100 Boulders Parkway
Parent Supplemental Address:	
Parent City:	Richmond
Parent County:	(Independent)
Parent State:	VA
Parent Zip:	23225
Submitter First Name:	Terry
Submitter Middle Initial:	D
Submitter Last Name:	Snell
Submitter Suffix:	
Submitter Title:	Mr.

Consumer Use

Product Category:	Water Treatment Products
Cons Comm Option:	Commercial
Children Products:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Pct Product Volume:	100
Max Concentration:	90% +
Number of Workers:	Not Known or Reasonably Ascertainable

Industrial Use

Product Category:	Processing-incorporation into formulation, mixture, or reaction product
Cons Comm Option:	Other (requires additional information)
Children Products:	Solids separation agents
Pct Product Volume:	100
Max Concentration:	Not Known or Reasonably Ascertainable
Number of Workers:	Not Known or Reasonably Ascertainable

Chemical Report ID:	464146
Chemical ID Number:	7429-90-5
Number ID Code:	CASRN
Chemical Name:	Aluminum
Activity:	M
DOM MFG LB:	48000
Imported LB:	0
Imported Never at Site:	
Volume Used:	0
Volume Exported:	0
Number of Workers:	100 - 499
Max Concentration:	90% +
Chemical Recycled:	YES
Physical Forms:	OtherSolid
Past Product Volume:	48000
Parent Company Name:	TREDEGAR CORP
Parent Address:	1100 Boulders Parkway
Parent Supplemental Address:	
Parent City:	Richmond
Parent County:	(Independent)
Parent State:	VA
Parent Zip:	23225
Submitter First Name:	Terry
Submitter Middle Initial:	D
Submitter Last Name:	Snell
Submitter Suffix:	
Submitter Title:	Mr.

1	***43 of 43***	***-***	***0.00 / 0.00***	***687.32***	***BON L MANUFACTURING COMPANY*** ***508 W WILSON ST*** ***KENTLAND IN 479510106***	***VCP***

Match Key ID:	6130501
Source File:	Virtual File Cabinet
Document Page Link:	http://108.59.49.89/search-results.aspx?xAIID=11830
Fac ID:	11830
County:	NEWTON

2	***1 of 3***	***SW***	***0.01 / 35.35***	***684.03***	***MIKES MACHINE SHOP*** ***120 LUTZ ST*** ***KENTLAND IN 47951-9792***	***FINDS/FRS***

Registry ID:	110003130433
FIPS Code:	18111
Program Acronyms:	IN-FRS, IN-TEMPO, RCRAINFO
HUC Code:	07120002
Site Type Name:	STATIONARY
EPA Region Code:	05
Conveyor:	FRS-GEOCODE
County Name:	NEWTON

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Source:
SIC Codes:
SIC Code Descriptions:
Federal Facility Code:
NAICS Codes:
NAICS Code Descriptions:
Federal Agency Name:
US/Mexico Border Ind:
Congressional Dist No: 01
Census Block Code: 181111007002065
Create Date: 01-MAR-2000 00:00:00
Update Date: 30-APR-2014 08:16:12
Location Description:
Supplemental Location: 120 LUTZ ST
Tribal Land Code:
Tribal Land Name:
Latitude: 40.77043
Longitude: -87.46651
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Reference Point: CENTER OF A FACILITY OR STATION
Interest Types: CESQG, STATE MASTER
Facility Detail Rprt URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110003130433

2	2 of 3	SW	0.01 / 35.35	684.03	MIKES MACHINE SHOP 120 LUTZ ST KENTLAND IN 47951	HAZ WASTE SITES

Facility ID: 50253
Document Page Link: http://108.59.49.89/search-results.aspx?xAIID=50253
County: NEWTON

--- Details ---
Document NO: 29486851
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: INR000012591
Date: 4/8/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3384400
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3384400&dDocName=29486851&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29486851.pdf

---

2	3 of 3	SW	0.01 / 35.35	684.03	MIKES MACHINE SHOP 120 LUTZ ST KENTLAND IN 479510252	RCRA CESQG

EPA Handler ID: INR000012591
Current Site Name: MIKES MACHINE SHOP
Generator Status Universe: Conditionally Exempt Small Quantity Generator
Land Type: Private
Activity Location: IN
TSD Activity: No
Mixed Waste Generator: No
Importer Activity: No
Transporter Activity: No
Transfer Facility: No
Recycler Activity: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Inject Activity: No
Rece Waste From Off Site: No
Used Oil Transporter:
Used Oil Transfer Facility:
Used Oil Processor:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Used Oil Refiner:
Used Oil Burner:
Used Oil Market Burner:
Used Oil Spec Marketer:
Mailing Address: PO BOX 252, , KENTLAND, IN, 479510252,
Contact Name: PHILLIP M CRIPE
Contact Address: PO BOX 252, , KENTLAND, IN, 479510252, US
Contact Email:
Location Street 2:

Owner/Operator Information

Owner/Operator Indicator: CO
Owner/Operator Name: CRIPE, PHILLIP M/COLLEEN J
Owner/Operator Address: PO BOX 305 GOODLAND IN 479480305
Owner/Operator Phone: 2192974826
Owner/Operator Type: P
Date Became Current:
Date Ended Current:

NAICS Information

Handler Information

Date Received: 19970903
Facility Name: MIKES MACHINE SHOP
Classification: Conditionally Exempt Small Quantity

Hazardous Waste Information

Waste Code: D007
Waste: CHROMIUM

Waste Code: D002
Waste: CORROSIVE WASTE

Waste Code: D008
Waste: LEAD

Violation/Evaluation Information

3	*1 of 2*	*SSW*	*0.08 / 428.25*	*680.42*	***JI CASE COMPANY*** ***US HWY 24 & LUTZ RD*** ***KENTLAND IN 47951***	***HAZ WASTE SITES***

Facility ID: 52420
Document Page Link: http://108.59.49.89/search-results.aspx?xAIID=52420
County: NEWTON

--- Details ---
Document NO: 29808361
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND984903302
Date: 4/25/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3413151
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3413151&dDocName=29808361&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29808361.pdf

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3	*2 of 2*	*SSW*	*0.08 / 428.25*	*680.42*	***JI CASE CO*** ***HWY 24 AND LUTZ RD*** ***KENTLAND IN 47951***	***RCRA NON GEN***

EPA Handler ID: IND984903302

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Current Site Name:	JI CASE CO
Generator Status Universe:	No Report
Land Type:	Private
Activity Location:	IN
TSD Activity:	No
Mixed Waste Generator:	No
Importer Activity:	No
Transporter Activity:	No
Transfer Facility:	No
Recycler Activity:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Inject Activity:	No
Rece Waste From Off Site:	No
Used Oil Transporter:	
Used Oil Transfer Facility:	
Used Oil Processor:	
Used Oil Refiner:	
Used Oil Burner:	
Used Oil Market Burner:	
Used Oil Spec Marketer:	
Mailing Address:	700 STATE ST, , RACINE, WI, 53404, US
Contact Name:	
Contact Address:	US
Contact Email:	
Location Street 2:	

Owner/Operator Information

Owner/Operator Indicator:	CO
Owner/Operator Name:	JI CASE CO
Owner/Operator Address:	700 STATE ST RACINE WI 53404
Owner/Operator Phone:	4146365196
Owner/Operator Type:	P
Date Became Current:	
Date Ended Current:	

NAICS Information

Handler Information

Date Received:	19921209
Facility Name:	JI CASE CO
Date Received:	19911101
Facility Name:	JI CASE CO
Classification:	Small Quantity Generator

Hazardous Waste Information

Waste Code:	D001
Waste:	IGNITABLE WASTE

Violation/Evaluation Information

4	*1 of 1*	*E*	*0.24 / 1,279.02*	*682.10*	*LEHMAN MANUFACTURING COMPANY INCORPORATED 304 N FAIRGROUND RD KENTLAND IN 47951*	*HAZ WASTE SITES*

Facility ID:	52334
Document Page Link:	http://108.59.49.89/search-results.aspx?xAIID=52334
County:	NEWTON

--- Details ---

Document NO:	18986506

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: INX000039461
Date: 3/6/2007 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=2668083
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=2668083&dDocName=18986506&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=18986506.pdf

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5	1 of 1	ESE	0.39 / 2,032.96	686.40	DON CENTER PONTIAC 310 W RAILROAD ST KENTLAND IN 47951	HAZ WASTE SITES

Facility ID: 50112
Document Page Link: http://108.59.49.89/search-results.aspx?xAIID=50112
County: NEWTON

--- Details ---

Document NO: 30909851
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND984901884
Date: 4/25/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3417388
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3417388&dDocName=30909851&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=30909851.pdf

+

Document NO: 29808019
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND984901884
Date: 4/25/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3413149
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3413149&dDocName=29808019&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29808019.pdf

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Document NO: 29807693
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND984901884
Date: 4/25/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3383774
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3383774&dDocName=29807693&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29807693.pdf

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Document NO: 33249421
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND984901884
Date: 6/21/2001 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=2934453
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=2934453&dDocName=33249421&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=33249421.pdf

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6	1 of 1	ESE	0.72 / 3,797.11	684.67	DON CENTER CHEVROLET BUICK INCORPORATED 127 W SEYMOUR ST KENTLAND IN 47951	HAZ WASTE SITES

Facility ID: 50161
Document Page Link: http://108.59.49.89/search-results.aspx?xAIID=50161
County: NEWTON

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

--- Details ---

Document NO: 32749174
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND984919472
Date: 10/11/2001 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3026853
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3026853&dDocName=32749174&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=32749174.pdf

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Document NO: 30909852
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND984919472
Date: 4/25/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3388034
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3388034&dDocName=30909852&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=30909852.pdf

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Document NO: 32758947
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND984919472
Date: 6/21/2001 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=2971061
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=2971061&dDocName=32758947&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=32758947.pdf

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Document NO: 32749049
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND984919472
Date: 10/11/2001 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3026852
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3026852&dDocName=32749049&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=32749049.pdf

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7	1 of 1	E	0.75 / 3,949.15	682.10	DORMEYER A F MANUFACTURING COMPANY 106 N 1ST ST KENTLAND IN 47951	HAZ WASTE SITES

Facility ID: 52477
Document Page Link: http://108.59.49.89/search-results.aspx?xAIID=52477
County: NEWTON

--- Details ---

Document NO: 32383471
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND005175161
Date: 3/26/1982 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=2913512
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=2913512&dDocName=32383471&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=32383471.pdf

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Document NO: 43876428
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND005175161
Date: 1/24/1986 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3300526

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3300526&dDocName=43876428&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=43876428.pdf

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Document NO: 29807955
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND005175161
Date: 4/25/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3442771
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3442771&dDocName=29807955&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29807955.pdf

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8	1 of 2	ESE	0.89 / 4,675.06	685.40	MILESTONE CONTRACTORS LIMITED PARTNERSHIP 235 E US HWY 24 KENTLAND IN 47951	HAZ WASTE SITES

Facility ID: 10838
Document Page Link: http://108.59.49.89/search-results.aspx?xAIID=10838
County: NEWTON

--- Details ---

Document NO: 29486857
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: INR000019117
Date: 4/8/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3427513
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3427513&dDocName=29486857&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29486857.pdf

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8	2 of 2	ESE	0.89 / 4,675.06	685.40	ROGERS GROUP NEWTON COUNTY STONE 235 US HWY 24 E KENTLAND IN 47951	HAZ WASTE SITES

Facility ID: 50015
Document Page Link: http://108.59.49.89/search-results.aspx?xAIID=50015
County: NEWTON

--- Details ---

Document NO: 32413416
Doc Type: OLQ Field Inspections
Program: HW Site
Program Facility Key: IND984873612
Date: 11/14/2001 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3014014
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3014014&dDocName=32413416&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=32413416.pdf

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Document NO: 29808405
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND984873612
Date: 4/25/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3354380
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3354380&dDocName=29808405&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29808405.pdf

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9	1 of 1	E	0.92 / 4,855.60	686.40	HOOSIER CLEANERS 211 E GRAHAM ST KENTLAND IN 47951	HAZ WASTE SITES

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB

Facility ID: 50232
Document Page Link: http://108.59.49.89/search-results.aspx?xAIID=50232
County: NEWTON

--- Details ---
Document NO: 29808196
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND985047349
Date: 4/25/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3427923
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3427923&dDocName=29808196&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29808196.pdf

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev (ft)	Site	DB
10	1 of 1	ESE	0.94 / 4,982.02	686.70	MIKES MACHINE SHOP 102 N 3RD KENTLAND IN 47951	HAZ WASTE SITES

Facility ID: 50140
Document Page Link: http://108.59.49.89/search-results.aspx?xAIID=50140
County: NEWTON

--- Details ---
Document NO: 29486823
Doc Type: OLQ Authorization
Program: HW Site
Program Facility Key: IND984900753
Date: 4/8/2008 12:00 AM
Security: Public
Info Link: http://108.59.49.89/DocDetail.aspx?dID=3354946
Doc Link: https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3354946&dDocName=29486823&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29486823.pdf

Unplottable Summary

Total: 6 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ERNS		307 WILSON ST	KENTLAND IN	47951	807108793
HAZ WASTE SITES	CHAPMAN IMPLEMENT INCORPORATED	US HWY 24 W	KENTLAND IN	47951	822582978
HIS SPILLS		307 Wilson St	Kentland IN	47951	818957774
HIS SPILLS		307 Wilson St	Kentland IN	47951	818957764
HIS SPILLS		307 Wilson St	Kentland IN	47951	818958759
SWF	CAPITAL PRODUCTS CORPORATION	307 WILSON ST	KENTLAND IN	47951	822726568

Unplottable Report

Site:

307 WILSON ST KENTLAND IN 47951 ERNS

NRC Report Number:	195522
Type Of Incident:	FIXED
Desc Remedial Action:	NEUTRALIZED ACID / RECOVERED MATERIAL WITH SORBENTS
Description Of Incident:	55 GAL DRUM / CORROSION
Release Secured:	
Release Rate:	
Date Received:	8/31/1993 2:26:07 PM
Incident Cause:	EQUIPMENT FAILURE
Incident Date:	8/31/1993 10:00:00 AM
Incident Location:	
State Agency Notified:	
Federal Agency Notified:	
State Agency On Scene:	
State Agency Report Num:	
Responsible Company:	CAPITOL PRODUCTS CORP
Estima Duration of Release:	
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	KENTLAND
Responsible State:	IN
Responsible Zip:	47951
Fire Involved:	N
Fire Extinguished:	
Any Evacuations:	N
Who Evacuated:	
Radius Of Evacuation:	
Any Injuries:	U
Number Injured:	
Any Fatalities:	U
Number Fatalities:	
Any Damages:	N
Damage Amount:	
Employee Fatality:	
Passenger Fatality:	
Occupant Fatality:	
Air Corridor Closed:	
Air Corridor Desc:	
Air Closure Time:	
Waterway Corridor Closed:	
Waterway Corridor Desc:	
Waterway Closure Time:	
Road Closed:	
Road Desc:	
Road Closure Time:	
Major Artery:	
Track Closed:	
Track Desc:	
Track Closure Time:	
Media Interest:	
Medium Desc:	LAND
Additional Medium Info:	SOIL AND ASPHALT
Body Of Water:	
Tributary Of:	
Weather Conditions:	
Air Temperature:	
Wind Speed:	
Wind Direction:	
Water Supply Contamin:	
Nearest River Mile Marker:	

Passengers Transferred:	UNK
Community Impact:	
Additional Info:	

Material Spill Information

--	--
CHRIS Code:	NCC
CAS Number:	
UN Number:	
Amount Of Material:	15
Unit Of Material:	GALLON(S)
Name Of Material:	CHROMIC ACID AND PHOSPHORIC ACID
If Reached Water:	YES
Amount In Water:	0
Unit Of Measure Reach Water:	NONE
--	--

Site: ***CHAPMAN IMPLEMENT INCORPORATED***
US HWY 24 W KENTLAND IN 47951

HAZ WASTE SITES

Facility ID:	51216
Document Page Link:	http://108.59.49.89/search-results.aspx?xAIID=51216
County:	NEWTON

--- Details ---

Document NO:	29807867
Doc Type:	OLQ Authorization
Program:	HW Site
Program Facility Key:	IND984957688
Date:	4/25/2008 12:00 AM
Security:	Public
Info Link:	http://108.59.49.89/DocDetail.aspx?dID=3369057
Doc Link:	https://ecm.idem.in.gov/cs/idcplg?IdcService=GET_FILE&dID=3369057&dDocName=29807867&Rendition=web&allowInterrupt=1&noSaveAs=1&fileName=29807867.pdf

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Site:
307 Wilson St Kentland IN 47951

HIS SPILLS

Spill NO:	199108154
Spill Type:	Fish Kill
Spill Source:	Industrial
Spilled Amount:	2000.00
Spilled Units:	G
Material Name:	Wastewater
Contained:	N
Recovered Units:	G
Recovered Amount:	0.00
Area Affected:	Unknown
Water Supply Affected:	U
Receiving Water:	Morrison Ditch
NO of Fish Killed:	547.00
Public Intake:	
Incident Date/Time:	8/26/1991 0:00:00
Reported Date/Time:	8/28/1991 0:00:00
County:	Newton

Site:
307 Wilson St Kentland IN 47951

HIS SPILLS

Spill NO:	199308283
Spill Type:	Spill
Spill Source:	Industrial
Spilled Amount:	10.00
Spilled Units:	G
Material Name:	Chromic Acid
Contained:	Y

Recovered Units:	G
Recovered Amount:	10.00
Area Affected:	600 Sq Ft
Water Supply Affected:	N
Receiving Water:	None
NO of Fish Killed:	0.00
Public Intake:	
Incident Date/Time:	8/31/1993 10:00:00
Reported Date/Time:	8/31/1993 15:00:00
County:	Newton

Site:
307 Wilson St Kentland IN 47951 HIS SPILLS

Spill NO:	198908153
Spill Type:	Fish Kill
Spill Source:	Industrial
Spilled Amount:	800.00
Spilled Units:	G
Material Name:	Ni Nh3 Wastewater
Contained:	N
Recovered Units:	G
Recovered Amount:	0.00
Area Affected:	0.75 Mile
Water Supply Affected:	N
Receiving Water:	Morrison Dtch 2
NO of Fish Killed:	2000.00
Public Intake:	
Incident Date/Time:	8/24/1989 0:00:00
Reported Date/Time:	8/25/1989 0:00:00
County:	Newton

Site: ***CAPITAL PRODUCTS CORPORATION***
307 WILSON ST KENTLAND IN 47951 SWF

Permit Expires on:		***County:***	NEWTON
Open to public:		***Contact:***	
Facility Type:		***Phone NO:***	
SW Operator NO:	52623	***Responsible Party:***	
Match Key ID:		***Source:***	Virtual File Cabinet
RP Phone:			
Document Page Link:	http://108.59.49.89/search-results.aspx?xAIID=52623		
RP Address:			
Owner:			

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Jun 27, 2016

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Jun 27, 2016

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Jun 27, 2016

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Mar 07, 2016

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Mar 07, 2016

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jun 21, 2016

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Jun 21, 2016

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jun 21, 2016

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jun 21, 2016

RCRA Conditionally Exempt Small Quantity Generators List: RCRA CESQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less per month of hazardous waste or one kilogram or less per month of acutely hazardous waste.

Government Publication Date: Jun 21, 2016

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jun 21, 2016

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jul 30, 2014

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Jul 30, 2014

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 7, 2015

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jul 14, 2016

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Apr 19, 2016

State

State Hazardous Waste Sites: SHWS

A list of Hazardous Waste Response Sites scored using the Indiana Scoring Model (ISM). State hazardous waste site records are the states' equivalent to Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS). These sites may or may not already be listed on the federal CERCLIS list. CERCLIS contains data on potentially hazardous waste sites that have been reported to the US Environmental Protection Agency (EPA) by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This list made available by Department of Environmental Management. This database is state equivalent CERCLIS.

Government Publication Date: Dec 7, 2000

Indiana Permitted Solid Waste Facilities: SWF

Statewide list of active and inactive solid waste facilities permitted by Indiana Department of Environmental Management (IDEM). This list made available by Department of Environmental Management.

Government Publication Date: Mar 01, 2016

Hazardous Waste Sites: HAZ WASTE SITES

A list of hazardous waste sites extrected from Virtual File Cabinet.

Government Publication Date: Apr 28, 2016

Waste Disposal, Storage, and Handling: WASTE

List of waste site locations for the disposal, storage, and handling of solid and hazardous waste in Indiana recorded by the Indiana Department of Environmental Management, Office of Land Quality (IDEM, OLQ). Types of waste sites include constructions/demolition waste, composting of CFO waste, clean fill, municipal, non-municipal, open dumps, restricted waste, surface impoundments, sanitary landfills, incinerators, material recovery, medical waste, recycling, and waste transfer stations.

Government Publication Date: Mar 10, 2016

Old Landfills: OLD LF

List includes solid and industrial waste landfills that are finished with their post-closure care, and older landfills that were never permitted. Post-closure care requires submittal of documentation to Indiana Department of Environmental (IDEM), maintenance of the cover, and methane and ground water monitoring, where applicable. Landfills that are finished with post-closure care: no longer submit information; IDEM inspects them less frequently; and they disappear off the Permit Manager's list.

Government Publication Date: Apr 30, 2010

Leaking Underground Storage Tanks: LUST

List of Leaking Underground Storage Tank (LUST) sites in the Indiana Department of Environmental Management (IDEM) database. Includes suspected, active, and no-further-action release sites from regulated and non-regulated tanks, as well as sites from the IDEM Virtual File Cabinet (VFC) with associated LUST program documents.

Government Publication Date: Apr 28, 2016

Delisted Leaking Storage Tanks: DLST

This database contains a list of closed leaking storage tank sites that were removed from the Indiana Department of Environmental Management (IDEM) database and the IDEM Virtual File Cabinet (VFC) database.

Government Publication Date: Apr 28, 2016

Underground Storage Tanks (UST): UST

A List of Underground Storage Tanks (UST) in Indiana registered by the Indiana Department of Environmental Management (IDEM). The Underground Storage Tanks program is responsible for assuring that all regulated underground storage tanks meet the US Environmental Protection Agency (EPA) and Indiana's requirements for release detection, spill prevention and corrosion protection, and to ensure that tanks not meeting those requirements are properly closed or upgraded.

Government Publication Date: Apr 28, 2016

Delisted Storage Tanks: DTNK

This database contains a list of closed storage tank sites that were removed from the Indiana Department of Environmental Management (IDEM) database and the IDEM Virtual File Cabinet (VFC) database.

Government Publication Date: Apr 28, 2016

Activity and Use Limitations: AUL

List of sites recorded by the Indiana Department of Environmental Management, Office of Land Quality (IDEM OLQ) where the Risk Integrated System of Closure (RISC) guidelines allowed for a risk-based closure with some type of land use restrictions or institutional controls after remediation.

Government Publication Date: Jul 12, 2016

Voluntary Remediation Agreement: VCP

List of Voluntary Remediation Program (VRP) sites released by the Indiana Department of Environmental Management (IDEM). The VRP provides a process for property owners, operators, potential purchasers, and third parties to voluntarily address -- by investigating and, if necessary, remediating -- property that is or that may be contaminated. Note: All VRP sites are considered confidential until the applicant and IDEM sign the Voluntary Remediation Agreement (VRA) which is a contractual agreement. No work is performed by IDEM on a project until the VRA is executed. Confidential sites do not appear on this list.

Government Publication Date: Apr 28, 2016

Brownfields Site List: BROWNFIELDS

List of sites at which the Indiana Brownfields Program, administered by the Indiana Finance Authority (IFA) has considered or provided financial, legal or technical assistance. Indiana defines a brownfield as: a parcel of real estate that is abandoned or inactive, or may not be operated at its appropriate use; and on which expansion, redevelopment, or reuse is complicated, due to the presence or potential presence of a hazardous substance, a contaminant, petroleum, or a petroleum product that poses a risk to human health and the environment.
Government Publication Date: Apr 28, 2016

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: ILST
Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands in Region 5. There are no UST records in Indiana at this time.
Government Publication Date: Feb 26, 2015

Underground Storage Tanks (USTs) on Indian Lands: IUST
Underground Storage Tanks (USTs) on Tribal/Indian Lands in Region 5. There are no UST records in Indiana at this time.
Government Publication Date: Feb 26, 2015

Delisted Tribal Leaking Storage Tanks: DELISTED ILST
Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.
Government Publication Date: Jan 31, 2016

Delisted Tribal Underground Storage Tanks: DELISTED IUST
Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.
Government Publication Date: Jan 31, 2016

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS
The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.
Government Publication Date: Mar 9, 2016

Toxics Release Inventory (TRI) Program: TRIS
The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.
Government Publication Date: Dec 31, 2014

Hazardous Materials Information Reporting System: HMIRS
US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.
Government Publication Date: May 10, 2016

National Clandestine Drug Labs: NCDL
The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.
Government Publication Date: May 17, 2016

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA of the Act) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified ongressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Jun 30, 2014

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Nov 12, 2013

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. It is comprised of states with established drycleaner remediation programs. Coalition members are states with mandated programs and funding for drycleaner site remediation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: May 09, 2016

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: May 24, 2016

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 20, 2016

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Dec 31, 2013

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC.

Government Publication Date: Jul 13, 2016

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Feb 19, 2016

State

State Cleanup Sites: SCP

State Cleanup site list maintained by the Indiana Department of Environmental Management, Office of Land Quality (IDEM, OLQ). Includes sites that are on the Commissioner's Bulletin as well as referred remedial response locations and sites referred by other IDEM programs, which require mitigation of risk to human health and the environment through investigation, remediation or institutional controls. In general, the State Cleanup Section addresses sites and properties contaminated with hazardous substances or petroleum hydrocarbons that do not qualify for inclusion on the US EPA Superfund National Priorities List or do not qualify to be managed by another IDEM Remediation Branch Section.

Government Publication Date: Apr 28, 2016

Hazardous Waste Treatment, Storage, and/or Disposal Facilities: TSDF

List of hazardous waste management facilities which receive hazardous waste for treatment, storage or disposal. This list is made available by the Indiana Department of Environmental Management (IDEM).

Government Publication Date: Jul 9, 2015

Spills Incidents Database: SPILLS

Spill incidents reported to the Emergency Response Program in the Indiana Department of Environmental Management (IDEM).

Government Publication Date: Jun 30, 2016

Historic Spill Incidents: HIS SPILLS

Spill occurrences reported to the Emergency Response Unit in the Indiana Department of Environmental Management (IDEM) prior to December 3, 2010.

Government Publication Date: Dec 3, 2010

Virtual File Cabinate Facility List: VFC FACILITIES

This is a listing of all sites in Virtual File Cabinate (VFC) under following programs: The Excess Liability Trust Fund (ELTF), Emergency Response, Defense Environmental Restoration Program (DERP), Drug Lab Cleanup and Office of Land Quality (OLQ).

Government Publication Date: Apr 28, 2016

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Related Topics: Envirofacts | FRS

FRS Facility Detail Report

BON L MANUFACTURING CO

EPA Registry Id: 110000404401

508 WILSON ST

KENTLAND, IN 479510106

Legend

- Selected Facility
- EPA Facility of Interest
- State/Tribe Facility of Interest

The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.

Facilty Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
EMISSION INVENTORY SYSTEM (EIS)	BON L MANUFACTURING COMPANY	7742611	AIR EMISSIONS CLASSIFICATION UNKNOWN	EIS	03/13/0015	

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	BON L MANUFACTURING COMPANY	IN0049859	ICIS-NPDES NON-MAJOR	ICIS		
TOXIC SUBSTANCES CONTROL ACT	BON L MANUFACTURING CO	TSCA7932	TSCA SUBMITTER	TSCA		
AIR FACILITY SYSTEM	BON L MANUFACTURING COMPANY	1811100005	AIR MAJOR (PERMANENTLY CLOSED)	AIRS/AFS	01/09/2014	
TOXIC SUBSTANCES CONTROL ACT	BON L MANUFACTURING CO	100604907	TSCA SUBMITTER	TSCA	08/13/2012	
INDIANA - FACILITY REGISTRY SYSTEM	BON L MANUFACTURING CO	330015647525	STATE MASTER	IN-FRS		**ACES–CP**-2823 AIR PROGRAM **ACES–CP**-2256 AIR PROGRAM **CRTK**-306 EPCRA **ACES–OP**-11100005 AIR PROGRAM
ICIS-Air (AIR)	BON L MANUFACTURING COMPANY	IN0000001811100005	AIR MAJOR	ICIS	10/19/2014	
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	BON L MANUFACTURING CO	INP000090	ICIS-NPDES NON-MAJOR	ICIS		**ICIS-** ENFORCEMENT/COMPLIANCE ACTIVITY
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	BON L MANUFACTURING COMPANY	IND057396608	UNSPECIFIED UNIVERSE (N)	RCRAINFO	01/02/2015	
BIENNIAL REPORTERS	BON L MANUFACTURING COMPANY	IND057396608	HAZARDOUS WASTE BIENNIAL REPORTER	RCRAINFO	12/31/2013	
TOXIC RELEASE INVENTORY SYSTEM	BON L MANUFACTURING CO	47951CPTLP307WI	TRI REPORTER	TRIS		
INDIANA-TOOLS FOR ENVIRONMENTAL MANAGEMENT AND PROTECTION ORGANIZATIONS	BON L MANUFACTURING COMPANY	11830	STATE MASTER	IN-TEMPO		**TEMPO**-IND057396608 HAZARDOUS WASTE PROGRAM **TEMPO**-INP000090 NPDES PERMIT **TEMPO**-IN0049859 NPDES PERMIT

Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report

Standard Industrial Classification Codes (SIC)

Data Source	SIC Code	Description	Primary
IN-TEMPO	3354	ALUMINUM EXTRUDED PRODUCTS	
AIR	3354	ALUMINUM EXTRUDED PRODUCTS	
AIRS/AFS	3354	ALUMINUM EXTRUDED PRODUCTS	
NPDES	3354	ALUMINUM EXTRUDED PRODUCTS	
NPDES	3442	METAL DOORS, SASH, FRAMES, MOLDING, AND TRIM	
AIR	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING	
AIRS/AFS	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING	

National Industry Classification System Codes (NAICS)

Data Source	NAICS Code	Description	Primary
TRIS	332323	ORNAMENTAL AND ARCHITECTURAL METAL WORK MANUFACTURING.	
IN-TEMPO	331316	ALUMINUM EXTRUDED PRODUCT MANUFACTURING.	
RCRAINFO	331318	OTHER ALUMINUM ROLLING, DRAWING, AND EXTRUDING	
AIR	331316	ALUMINUM EXTRUDED PRODUCT MANUFACTURING.	
AIRS/AFS	331316	ALUMINUM EXTRUDED PRODUCT MANUFACTURING.	
RCRAINFO	332813	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING.	
TRIS	332813	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING.	
EIS	331318	OTHER ALUMINUM ROLLING, DRAWING, AND EXTRUDING	
TRIS	331316	ALUMINUM EXTRUDED PRODUCT MANUFACTURING.	

Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
OWNER	508 W WILSON ST	KENTLAND	IN	47951	NPDES
OWNER	PO BOX 428	NEWNAN		30264	RCRAINFO
MAILING ADDRESS	PO BOX 106	KENTLAND	IN	47951	NPDES

NPDES	3442	METAL DOORS, SASH, FRAMES, MOLDING, AND TRIM	
AIR	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING	
AIRS/AFS	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING	

Facility Codes and Flags

EPA Region:	05
Duns Number:	
Congressional District Number:	04
Legislative District Number:	
HUC Code/Watershed:	07120002 / IROQUOIS
US Mexico Border Indicator:	
Federal Facility:	NO
Tribal Land:	NO

Alternative Names

Alternative Name	Source of Data
CAPITOL PRODUCTS	NPDES PERMIT
CAPITOL PRODUCTS CORP	AIRS/AFS

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address
PARENT COMPANY	TREDEGAR CORP	555463785	TRIS	
OWNER/OPERATOR		057396608	AIRS/AFS	
OWNER/OPERATOR		057396608	AIR	
OWNER	BON L MANUFACTURING COMPANY		RCRAINFO	View
PARENT COMPANY	TREDEGAR CORP		TSCA	View
OPERATOR	STEVEN PORTTEUS CERT 8096		NPDES	View
OWNER	TREDEGAR ALUMINUM EXTRUSIONS		NPDES	View
OWNER	BON L MANUFACTURING CO		NPDES	View
OPERATOR	BON L MANUFACTURING COMPANY		RCRAINFO	
IS LOCAL FIRE DEPARTMENT FOR	KENTLAND FIRE DEPARTMENT		IN-TEMPO	
OPERATOR	PORTTEUS, JAMES STEPHEN #8096		NPDES	View
OWNER/OPERATOR		057396608	TRIS	
OWNER	BON L MANUFACTURING COMPANY		RCRAINFO	View
IS LOCAL EMERGENCY PLANNING COMMITTEE FO	NEWTON COUNTY LOCAL EMERGENCY PLANNING COMMITTEE		IN-TEMPO	View
OPERATOR	PORTTEUS, JAMES STEPHEN 8096		NPDES	View

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
OWNER	508 W WILSON ST	KENTLAND	IN	47951	NPDES
OWNER	PO BOX 428	NEWNAN		30264	RCRAINFO
MAILING ADDRESS	PO BOX 106	KENTLAND	IN	47951	NPDES
REGULATORY CONTACT	25 BONNELL ST	NEWNAN	GA	30263	RCRAINFO
FACILITY MAILING ADDRESS	25 BONNELL ST	NEWNAN	GA	30263	RCRAINFO
OWNER	PO BOX 428	NEWNAN	GA	30264	RCRAINFO
IS LOCAL EMERGENCY PLANNING COMMITTEE FO	3218 W 100 N	MOROCCO	IN	47963	IN-TEMPO
MAILING ADDRESS	PO BOX 2555	NEWNAN	GA	30264	TRIS
FACILITY MAILING ADDRESS	P.O. BOX 106	KENTLAND	IN	479510106	AIRS/AFS
OPERATOR	BON L MANUFACTURING CO	KENTLAND	IN	47951	NPDES
MAILING ADDRESS	508 W WILSON ST	KENTLAND	IN	47951	NPDES
OPERATOR	BON L MANUFACTURING COMPANY	KENTLAND	IN	47951	NPDES
REGULATORY CONTACT	25 BONNELL STREET	NEWNAN	GA	30263	RCRAINFO
PARENT COMPANY	1100 BOULDERS PARKWAY	RICHMOND	VA	23225	TSCA
OWNER	PO BOX 428	NEWNAN	GA	30264	NPDES
FACILITY MAILING ADDRESS	P.O. BOX 106	KENTLAND	IN	479510106	AIR

Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
ENVIRONMENTAL CONTACT	TERRY D SNELL		NPDES	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
COMPLIANCE CONTACT	STEVE PORTTEUS	2194748011	AIR	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
PUBLIC CONTACT	DAVID ASHER	2198635607	TRIS	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
COMPLIANCE CONTACT	STEVE PORTTEUS	2194748011	AIRS/AFS	

NPDES	3442	METAL DOORS, SASH, FRAMES, MOLDING, AND TRIM	
AIR	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING	
AIRS/AFS	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING	

Facility Codes and Flags

EPA Region:	05
Duns Number:	
Congressional District Number:	04
Legislative District Number:	
HUC Code/Watershed:	07120002 / IROQUOIS
US Mexico Border Indicator:	
Federal Facility:	NO
Tribal Land:	NO

Alternative Names

Alternative Name	Source of Data
CAPITOL PRODUCTS	NPDES PERMIT
CAPITOL PRODUCTS CORP	AIRS/AFS

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address
PARENT COMPANY	TREDEGAR CORP	555463785	TRIS	
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PARENT COMPANY	TREDEGAR CORP		TSCA	View
OPERATOR	STEVEN PORTTEUS CERT 8096		NPDES	View
OWNER	TREDEGAR ALUMINUM EXTRUSIONS		NPDES	View
OWNER	BON L MANUFACTURING CO		NPDES	View
OPERATOR	BON L MANUFACTURING COMPANY		RCRAINFO	
IS LOCAL FIRE DEPARTMENT FOR	KENTLAND FIRE DEPARTMENT		IN-TEMPO	
OPERATOR	PORTTEUS, JAMES STEPHEN #8096		NPDES	View
OWNER/OPERATOR		057396608	TRIS	
OWNER	BON L MANUFACTURING COMPANY		RCRAINFO	View
IS LOCAL EMERGENCY PLANNING COMMITTEE FO	NEWTON COUNTY LOCAL EMERGENCY PLANNING COMMITTEE		IN-TEMPO	View
OPERATOR	PORTTEUS, JAMES STEPHEN 8096		NPDES	View

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
OWNER	508 W WILSON ST	KENTLAND	IN	47951	NPDES
OWNER	PO BOX 428	NEWNAN		30264	RCRAINFO
MAILING ADDRESS	PO BOX 106	KENTLAND	IN	47951	NPDES
REGULATORY CONTACT	25 BONNELL ST	NEWNAN	GA	30263	RCRAINFO
FACILITY MAILING ADDRESS	25 BONNELL ST	NEWNAN	GA	30263	RCRAINFO
OWNER	PO BOX 428	NEWNAN	GA	30264	RCRAINFO
IS LOCAL EMERGENCY PLANNING COMMITTEE FO	3218 W 100 N	MOROCCO	IN	47963	IN-TEMPO
MAILING ADDRESS	PO BOX 2555	NEWNAN	GA	30264	TRIS
FACILITY MAILING ADDRESS	P.O. BOX 106	KENTLAND	IN	479510106	AIRS/AFS
OPERATOR	BON L MANUFACTURING CO	KENTLAND	IN	47951	NPDES
MAILING ADDRESS	508 W WILSON ST	KENTLAND	IN	47951	NPDES
OPERATOR	BON L MANUFACTURING COMPANY	KENTLAND	IN	47951	NPDES
REGULATORY CONTACT	25 BONNELL STREET	NEWNAN	GA	30263	RCRAINFO
PARENT COMPANY	1100 BOULDERS PARKWAY	RICHMOND	VA	23225	TSCA
OWNER	PO BOX 428	NEWNAN	GA	30264	NPDES
FACILITY MAILING ADDRESS	P.O. BOX 106	KENTLAND	IN	479510106	AIR

Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
ENVIRONMENTAL CONTACT	TERRY D SNELL		NPDES	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
COMPLIANCE CONTACT	STEVE PORTTEUS	2194748011	AIR	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
PUBLIC CONTACT	DAVID ASHER	2198635607	TRIS	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
COMPLIANCE CONTACT	STEVE PORTTEUS	2194748011	AIRS/AFS	

OPERATOR	BON L MANUFACTURING COMPANY		RCRAINFO	
IS LOCAL FIRE DEPARTMENT FOR	KENTLAND FIRE DEPARTMENT		IN-TEMPO	
OPERATOR	PORTTEUS, JAMES STEPHEN #8096		NPDES	View
OWNER/OPERATOR		057396608	TRIS	
OWNER	BON L MANUFACTURING COMPANY		RCRAINFO	View
IS LOCAL EMERGENCY PLANNING COMMITTEE FO	NEWTON COUNTY LOCAL EMERGENCY PLANNING COMMITTEE		IN-TEMPO	View
OPERATOR	PORTTEUS, JAMES STEPHEN 8096		NPDES	View
MAILING ADDRESS	BON L. MFG INC.		NPDES	View
IS BUSINESS OWNER FOR	BON L MANUFACTURING COMPANY		IN-TEMPO	
MAILING ADDRESS	BON L. MFG INC.		NPDES	View
OWNER	BON L MANUFACTURING COMPANY		RCRAINFO	View

COMPLIANCE CONTACT	STEVE PORTTEUS	2194748011	AIR	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
PUBLIC CONTACT	DAVID ASHER	2198635607	TRIS	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
COMPLIANCE CONTACT	STEVE PORTTEUS	2194748011	AIRS/AFS	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
PRIMARY CONTACT	KENNETH A WAMPLER		NPDES	
OTHER CONTACT	DAVID M ASHER		NPDES	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
TECHNICAL CONTACT	MR. TERRY D SNELL		TSCA	
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View
REGULATORY CONTACT	TERRY D SNELL	4044310028	RCRAINFO	View

Query executed on: SEP-15-2016

Additional information for CERCLIS or TRI sites:

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- National Library of Medicine (NLM) EXIT EPA TOXMAP

Appendix D -

Historical Research

Research Summary for City Directory Abstract

Site Location
JQ1387.710 - 508 E. Wilson Street
508 E. Wilson Street
Kentland, IN

Conducted For
ERIS
38 Lesmill Road, Unit #2
Toronto, ON

HIG Project #
1638115
Date Created
08/31/2016

Historical Information Gatherers

HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.

600 XXXX = Correct address only. No other information.

X Streetname = intersecting cross street

Publication year, publisher and title

2009 Haines Northwest Indiana

2004 Haines Northwest Indiana

1999 Haines Northwest Indiana

1994 Haines Northwest Indiana

1989 Haines Northwest Indiana

Abstract Section 1- This section includes the city directory data sorted by address.

No# Wilson Street	
2009	HUCK'S TIRE SHOP
1999	DEIDAM DECORATING SHOP
1994	KENTLAND FERTILIZER
1989	CASTONGIA D TRUCKNG
1989	F&B GARAGE
1989	KENTLAND FERTILIZER
402 Wilson Street	
2009	XXXX
2004	XXXX
1999	AGVENTURE D & M WAREHOUSE
403 Wilson Street	
1989	CHAPMANSON TRUCKN
408 Wilson Street	
2009	XXXX
2004	ANGEL Tearning
502 Wilson Street	
2004	DEIDAM DECORATING SHOP
503 Wilson Street	
2004	XXXX
1999	XXXX
1994	B&G INC
504 Wilson Street	
2009	B & G GARAGE
2004	B & G GARAGE
1999	B&G GARAGE&TIRE

Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.

2009	
No#	HUCK'S TIRE SHOP
	X N FAIRGROUND RD
402	XXXX
408	XXXX
	X FALLON ST
504	B & G GARAGE

	X N LUTZ ST
2004	
	X N FAIRGROUND RD
402	XXXX
408	ANGEL Tearning
502	DEIDAM DECORATING SHOP
503	XXXX
504	B & G GARAGE
	X N LUTZ ST
1999	
No#	DEIDAM DECORATING SHOP
402	AGVENTURE D & M WAREHOUSE
503	XXXX
504	B&G GARAGE&TIRE
1994	
No#	KENTLAND FERTILIZER
503	B&G INC
1989	
No#	CASTONGIA D TRUCKNG
No#	F&B GARAGE
No#	KENTLAND FERTILIZER
403	CHAPMANSON TRUCKN

Bon L
508 W. Wilson Street
Kentland, IN 47951

Inquiry Number: 3397712.2
August 27, 2012

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography August 27, 2012

Target Property:

508 W. Wilson Street

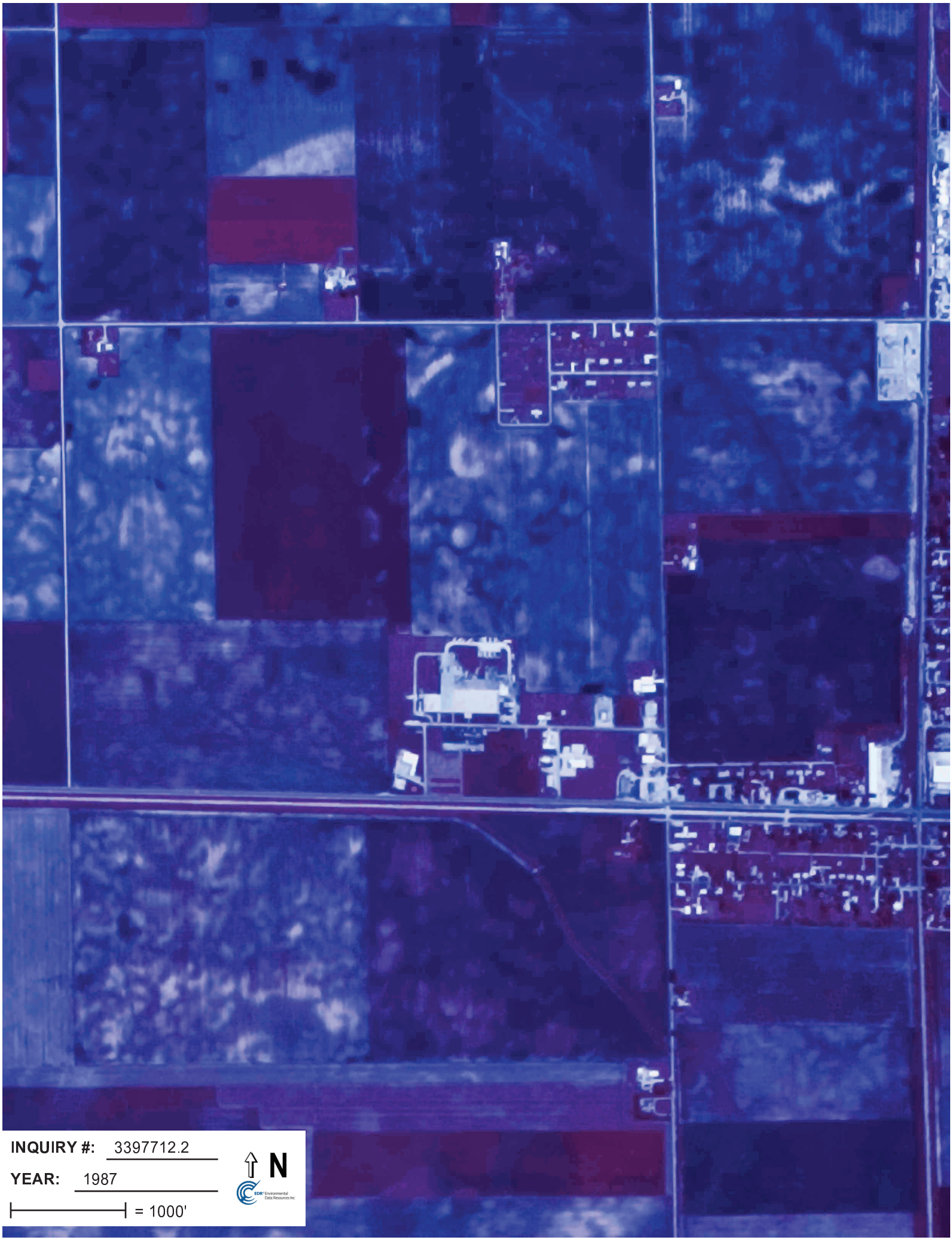
Kentland, IN 47951

Year	***Scale***	***Details***	***Source***
1952	Aerial Photograph. Scale: 1"=1000'	Panel #: 40087-G4, Kentland, IN;/Flight Date: August 24, 1952	EDR
1977	Aerial Photograph. Scale: 1"=750'	Panel #: 40087-G4, Kentland, IN;/Flight Date: April 08, 1977	EDR
1981	Aerial Photograph. Scale: 1"=1000'	Panel #: 40087-G4, Kentland, IN;/Flight Date: November 17, 1981	EDR
1987	Aerial Photograph. Scale: 1"=1000'	Panel #: 40087-G4, Kentland, IN;/Flight Date: June 05, 1987	EDR
1992	Aerial Photograph. Scale: 1"=750'	Panel #: 40087-G4, Kentland, IN;/Flight Date: April 05, 1992	EDR
1998	Aerial Photograph. Scale: 1"=500'	Panel #: 40087-G4, Kentland, IN;/Composite DOQQ - acquisition dates: April 12, 1998	EDR
2005	Aerial Photograph. Scale: 1"=500'	Panel #: 40087-G4, Kentland, IN;/Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 40087-G4, Kentland, IN;/Flight Year: 2006	EDR
2007	Aerial Photograph. Scale: 1"=500'	Panel #: 40087-G4, Kentland, IN;/Flight Year: 2007	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 40087-G4, Kentland, IN;/Flight Year: 2008	EDR

INQUIRY #: 3397712.2
YEAR: 1952
= 1000'
N

INQUIRY #: 3397712.2
YEAR: 1977
= 750'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3397712.2
YEAR: 1981
= 1000'
N
EDR Environmental Data Resources Inc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EDR Environmental Data Resources Inc

INQUIRY #: 3397712.2
YEAR: 1992
= 750'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3397712.2
YEAR: 1998
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3397712.2
YEAR: 2005
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3397712.2
YEAR: 2006
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3397712.2
YEAR: 2007
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3397712.2
YEAR: 2008
= 500'
N
EDR Environmental Data Resources Inc

Appendix E -

Photographic Documentation

1

Site from the north

2

Site from the south

3

Site from the east

4

Site from the west

5

North adjoining property

6

South adjoining property

7

East adjoining properties

8

West adjoining property

9

Former incinerator area

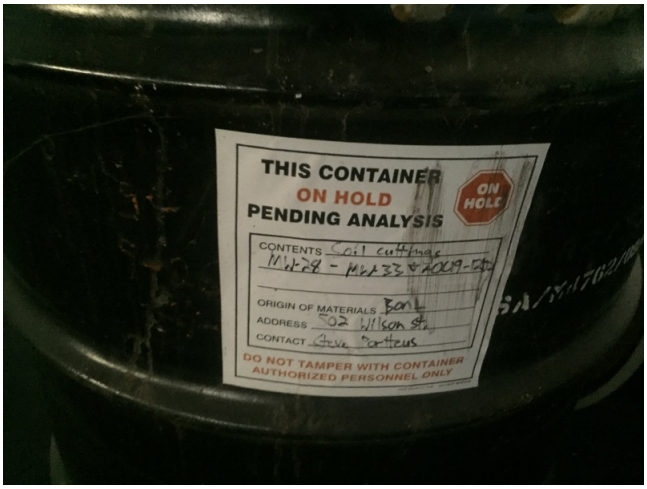
10

Interior of Site building

11

Solid waste dumpster

12



Drums of investigation derived waste

13

Monitoring well location

14

Interior of the Site building

15

Pit associated with fromer equipment

16

Former anodizing area

17

Former sump pit within the Site building

18

Temporary AST

Appendix F -

Qualifications and Resumes of Environmental Professionals

Matt Brandvik
Environmental Site Assessor

Specialized Experience

- Phase I Environmental Assessments
- Microbial investigations
- Asbestos survey and sampling
- Asbestos air monitoring and abatement oversight
- Lead risk assessments/Inspections
- Lead in drinking water sampling
- Industrial hygiene investigations
- Negative Exposure Assessments
- Subsurface Investigations
- Storm water management

Representative Project Experience

Environmental Consulting

- Prepared Spill, Prevention, Control, and Countermeasure (SPCC) plan to comply with the SPCC regulations.

Industrial Hygiene

- Conducted numerous indoor air quality investigations including air sampling for microbial and bacterial contamination, particulates, volatile organic compounds, polycyclic aromatic hydrocarbons, as well as other general indoor air quality parameters.
- Inspected residential, commercial and industrial buildings for asbestos materials, including a large hospital building and large multi-building industrial facility. Inspections include identifying suspect asbestos containing materials (ACMs), collection of bulk samples, determining friability, and quantification of suspect ACMs.
- Conducted lead paint inspections/risk assessments on residential, commercial, and industrial facilities. Assessments included identifying potential lead-based paint and lead-based paint hazards, performing lead paint testing, collecting dust and soil samples for laboratory analysis and report generation.
- Performed general oversight for mold remediation, asbestos abatement, and general reconstruction. Oversight activities consisted of on-site consulting services, on-site directing of project activities, health and safety, logging of field activities, final visual inspections, and clearance air sampling.
- Conducted industrial hygiene sampling and negative exposure assessments (NEA) in both industrial and construction settings. Assessments include implementing the

appropriate OSHA/NIOSH sampling and analytical methods, documentation of work activities and conditions, pre and post-calibration of sampling pumps, results interpretation and calculation of 8-hour time-weighted average, and report generation.

Site Assessment

- Conducted thorough environmental evaluations of sites in accordance with the ASTM-1507-05 Phase I Environmental Site Assessment (ESA) standard for commercial and industrial facilities and undeveloped land. Activities for the ESAs included but are not limited to: a site inspection, an investigation of historical uses, interviews, environmental document review, key interviews, and developing a final report with recommendations.

Storm Water Management

- Conducted storm water sampling and reporting to comply with Indiana Rule 6 general permits (for storm water exposed to industrial activities). Prepared Notice of Intent (NOI) for Indiana Rule 6 general permits and submitted them to the regulatory authority. Prepared Storm Water Pollution Prevention Plans (SWPPPs) to comply with Indiana Rule 6 general permits.

Subsurface Investigation

- Conducted subsurface investigations at multiple sites. Activities included acting as on-site consultant, oversight of utility locating activities, site health and safety, performing field classification and screening of soil borings, developing lithologic soil profiles, and collection of field samples for analysis.

Professional Experience

August Mack Environmental
Environmental Site Assessor, 2015 to Current
August Mack Environmental
Field Technician, 2013 to 2015

Education & Certifications

Bachelor of Science, Indiana University, Environmental Science
40-Hour Hazardous Waste Site Operations (HAZWOPER) Training,
Asbestos 16 Hour O&M Worker, IN
Asbestos Inspector, KY
Asbestos Inspector, IN
Lead Risk Assessor, IN

Specialized Experience

- Environmental Property Assessments
- AAI Phase I Environmental Site Assessments (ESA)
- Industrial Hygiene Investigations
- Asbestos and Lead Investigations and Management
- Indoor Air Quality (IAQ) Investigations
- Soil and Groundwater Investigations

Representative Project Experience

Asbestos Survey and Abatement

- Managed an extensive asbestos survey at a large industrial facility in Indianapolis, Indiana. The work activities included performing an asbestos survey of the entire building and developing abatement and operation and maintenance (O&M) plans for managing the asbestos containing materials (ACMs) identified in the building.
- Conducted domestic and international pre-demolition and renovation asbestos surveys for industrial, commercial and residential structures. Assessments included quantifying and identifying potential ACMs, collecting samples for laboratory analysis and report generation.
- Provide asbestos consulting services to numerous clients in regards to NESHAPS, OSHA, AHERA, state, and city requirements.
- Prepared Asbestos Operations & Maintenance Plans for numerous facilities which establish the policies and procedures required to achieve regulatory compliance with the provisions codified in the Occupational Safety and Health Administration (OSHA) asbestos standards, 29 CRF 1910.1001 (General Industry) and 29 CRF 1926.1101 (Construction).
- Supervised numerous asbestos abatement projects. Activities included acting as onsite consultant; providing information to building owners on a daily basis; directing and approving abatement contractor activities; assisting in supervising abatement workers for Occupational Safety and Health Administration (OSHA) compliance; logging daily activities; providing final clearance through visual inspection and air sampling; supervising disassembly of project and final walk; and completing final reporting.

Indoor Air Quality

- Performed numerous industrial, commercial and residential indoor air quality (IAQ) investigations, specifically regarding mold, bacteria and numerous other physical, chemical and biological contaminants.

- Provide nationwide IAQ related triage and consulting services for a large property management and real estate company.

Investigation

- Assessed commercial, industrial, residential and undeveloped sites undergoing renovation, demolition, acquisition and divestiture or refinancing. Determined environmental compliance and liabilities based on former land uses and onsite evidence. Managed work activities and regulatory coordination associated with obtaining site status letters, comfort letters and bona fide prospective purchaser letters for the clients enrolled in the Brownfields Program in Indiana.

Lead Paint Survey and Abatement

- Conducted Housing and Urban Development (HUD) governed lead-based paint inspection and risk assessments for single family and multi-family structures. Assessments included identifying potential lead-based paint and lead-based paint hazards, performing lead paint testing, collecting dust and soil samples for laboratory analysis and report generation.

Mold Survey and Remediation

- Performed numerous microbial surveys that included visual assessments, mold sampling, analytical results interpretation, remediation project design, and project oversight and reporting.
- Managed the assessment, remediation design, and oversight of a four year multi-million dollar large-scale class action lawsuit involving microbial contamination in more than 1,800 residential properties.
- Developed mold remediation protocols for clients and remediation contractors numerous types of properties including small commercial buildings to large 800,000 square feet industrial warehouse buildings. The mold remediation protocols provided remedial methods, health and safety requirements, engineering controls, and clearance criteria.

Site Assessment

- Conducted American Society for Testing and Materials (ASTM) Phase I Environmental Site Assessments (ESAs) at numerous sites undergoing acquisition, divestiture or refinancing, including industrial and commercial buildings and undeveloped sites. Performed asbestos and lead paint surveys and sampling as a part of assessment activities.
- Managed multiple environmental due diligence portfolios for a variety of industrial, commercial and retail properties.
- Provided environmental due diligence consulting to numerous community, regional and national lenders on new origination, loan refinancing and foreclosure in commercial, residential, industrial, and SBA markets.

- Provided numerous clients with SBA required Environmental Records Search with Risk Assessment report documenting records review activities conducted for the properties. The scope of work included a review of Sanborn Fire Insurance Maps, historical topographic maps, historical aerial photographs, a city directory abstract and an Environmental Data Resources, Inc. (EDR) Radius Map report.

Subsurface Investigation

- Managed subsurface investigations to determine if subsurface impacts are present. Investigations included advancing soil borings utilizing direct push technology to retrieve for the purpose of collecting soil and groundwater samples.

Well Installation and Abandonment

- Performed and managed well installation for the purpose of groundwater sampling/monitoring. Wells were installed by advancing soil borings utilizing a truck mounted auger drill rig. The borings were then converted into two-inch monitoring wells. Following well installation, each well was developed, and groundwater samples were collected for laboratory analysis.

Professional Experience

August Mack Environmental, Inc.
Principal, Transaction and Building Sciences, 2013 to Current
August Mack Environmental, Inc.
Senior Manager, 2009 to 2012
August Mack Environmental, Inc.
Project Manager, 2008 to 2009
TRC Environmental Corporation
Central Region Program Manager, 2007 to 2008
TRC Environmental Corporation
Senior Project Manager, 2003 to 2007
Corporation for Environmental Management
Industrial Hygienist, 2001 to 2003

Education & Certifications

Bachelor of Science, Indiana University, Environmental Science and Public Health
40-Hour Hazardous Waste Site Operations (HAZWOPER) Training, OSHA
8-Hour Hazardous Waste Site Operations (HAZWOPER) Refresher Training, OSHA
ACAC Council-certified Indoor Environmental Consultant,
Licensed Asbestos Building Inspector, Indiana
Licensed Lead Hazard Risk Assessor, Kentucky
Licensed Lead Inspector, Indiana
Licensed Lead Risk Assessor, Indiana
NIOSH 582 Equivalent

Membership & Appointments

ASTM International - Committee E50, Committee E50 on Environmental Assessment, Risk Management and Corrective Action

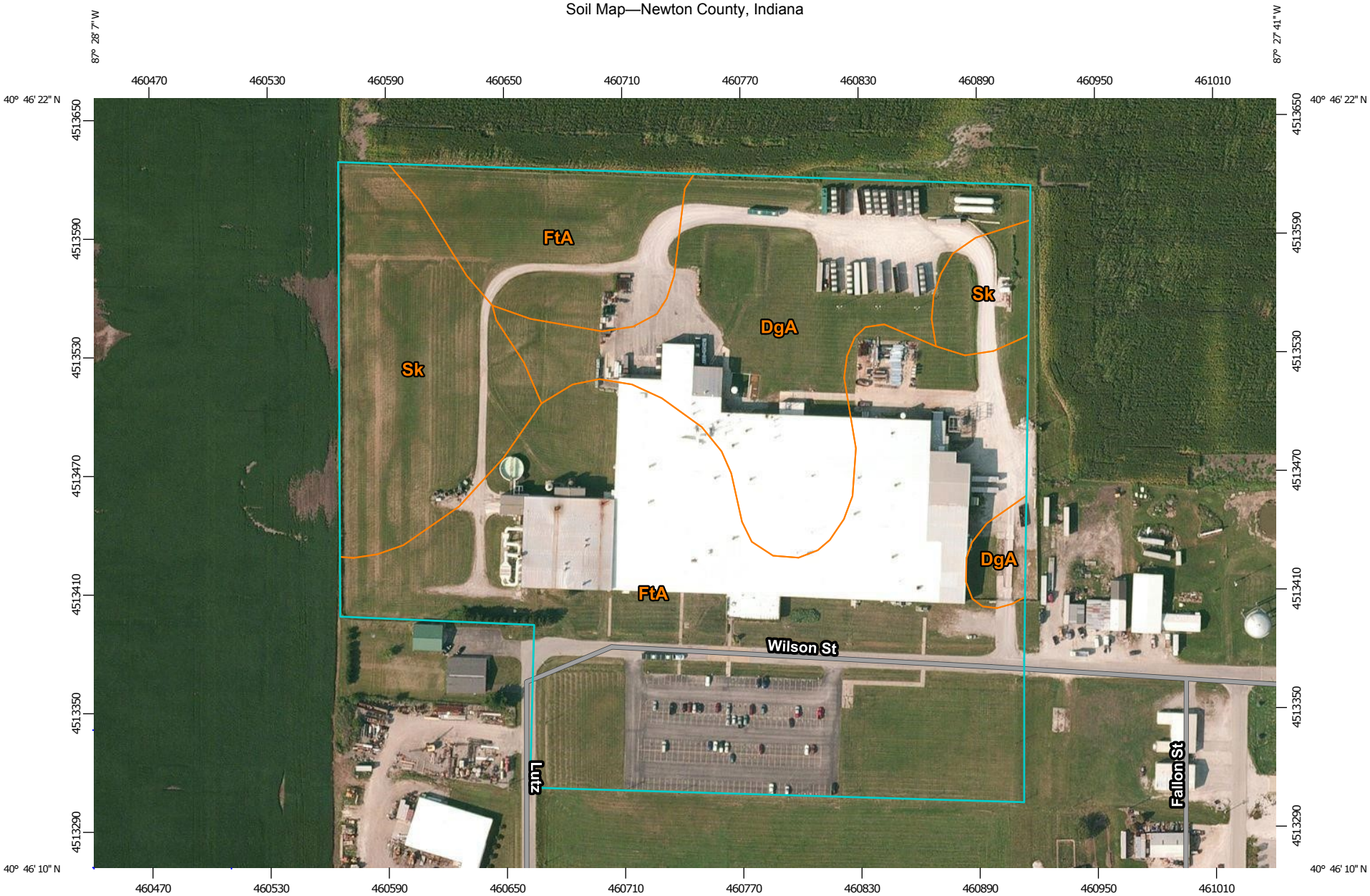
Publications & Presentations

- "Finally, One Phase I Standard to Rule Them All," 2015.
- "A New Phase I ESA Standard: What Will Change and How Does This Affect My Environmental Due Diligence?," August Mack Environmental's Webinar Program, 2013.
- "A New Phase I ESA Standard: What Will Change and How Does This Affect My Environmental Due Diligence?," August Mack Environmental's Monthly Newsletter, 2013.
- "Dealing with Foreclosed and Distressed Properties," August Mack Environmental's Monthly Newsletter, 2013.
- "Managing Indoor Air Quality Complaints in Commercial Buildings," August Mack Environmental's Webinar Program, 2012.
- "Managing Indoor Air Quality Complaints in Commercial Buildings," August Mack Environmental's Monthly Newsletter, 2012.
- "Addressing Vapor Intrusion During a Property Transaction," August Mack Environmental's Webinar Program, 2011.
- "Maintaining Environmental Liability Protection," August Mack Environmental's Monthly Newsletter, 2011.
- "The New Vapor Encroachment Standard Guide and the Impacts on the Phase I Industry," August Mack Environmental's Webinar Program, 2011.
- "Vapor Encroachment Considerations for Real Estate," August Mack Environmental's Monthly Newsletter, 2011.
- "Renovation, Repair and Painting (RRP) Rule: Does it Apply to My Project?," August Mack Environmental's Monthly Newsletter, 2010.
- "Lingering Environmental Trends in Buildings," August Mack Environmental's Webinar Program, 2010.
- "Lead in Construction - Limiting Exposure," August Mack Environmental's Monthly Newsletter, 2010.
- "Environmental Tenant Assessments - Take Control of Your Liability," August Mack Environmental's Webinar Program, 2010.
- "Environmental Tenant Assessments - Take Control of Your Liability," August Mack Environmental's Monthly Newsletter, 2010.
- "New Lead Rules Set to Impact Contractors Across the Country," August Mack Environmental's Webinar Program, 2010.
- "Phase I ESAs: Consider the Things Not Considered," August Mack Environmental's Webinar Program, 2010.
- "Phase I ESAs and Non-Scope Considerations," August Mack Environmental's Monthly Newsletter, 2010.

- "Dealing with Indoor Air Quality Concerns as a Property Manager," August Mack Environmental's Webinar Program, 2009.
- "Property Transactions: Benefits of Environmental Due Diligence," August Mack Environmental's Monthly Newsletter, 2009.
- "Is Your Building Free of Asbestos?," August Mack Environmental's Monthly Newsletter, 2009.
- "Addressing Indoor Air Quality as a Property Manager," August Mack Environmental's Monthly Newsletter, 2009.

Appendix G -

Additional Documentation



Map Scale: 1:2,740 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area

Stony Spot

Very Stony Spot

Wet Spot

Other

Special Line Features

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Newton County, Indiana
Survey Area Data: Version 19, Sep 11, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 16, 2011—Oct 17, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Newton County, Indiana (IN111)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
DgA	Darroch loam, till substratum, 0 to 2 percent slopes	5.8	23.2%
FtA	Foresman silt loam, till substratum, 0 to 2 percent slopes, eroded	15.2	60.7%
Sk	Selma silty clay loam, till substratum	4.0	16.0%
Totals for Area of Interest		**25.1**	**100.0%**

DULY ENTERED FOR TAXATION
SUBJECT TO FINAL
ACCEPTANCE FOR TRANSFER

12-28-12

Shawn Dewing
AUDITOR NEWTON COUNTY

20123173 WD $22.00
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Julie M Alenduff
Newton County Recorder IN
Recorded as Presented

CORPORATE WARRANTY DEED

THIS INDENTURE WITNESSETH, that BON L MANUFACTURING COMPANY, a Virginia corporation, successor by merger to CAPITOL PRODUCTS CORPORATION ("Grantor"), CONVEYS AND WARRANTS to EL CAMPO GP, LLC, a Virginia limited liability company ("Grantee"), for valuable consideration, the receipt of which is hereby acknowledged, the real estate in Newton County, in the State of Indiana, more particularly described on Exhibit A attached hereto and incorporated herein by this reference.

Subject, however, to (i) real estate taxes not delinquent; (ii) all easements, rights-of-way, rights, duties, obligations, covenants, conditions, restrictions, limitations and agreements of record; (iii) all legal highways and public rights-of-way; (iv) all matters that would be disclosed by an accurate survey or inspection of said real estate; and (v) the provisions of all applicable zoning laws.

The undersigned person executing this Deed on behalf of Grantor represents and certifies that such person is a duly elected officer of Grantor and has been fully empowered, by proper resolution of the Board of Directors of Grantor, to execute and deliver this Deed; that Grantor has full corporate capacity to convey the real estate described herein; and that all necessary corporate action for the making of such conveyance has been taken and done.

IN WITNESS WHEREOF, Grantor has executed this Corporate Warranty Deed this 21st day of December, 2012.

Bon L Manufacturing Company,
a Virginia corporation, successor by merger to
Capitol Products Corporation

By: _____
signature

A. BRENT KING
printed name

Its: VP
title

STATE OF Virginia)
) SS:
COUNTY OF Chesterfield)

Before me, the undersigned, a Notary Public in and for said County and State, personally appeared A. Brent King, the Vice President of Bon L Manufacturing Company, successor by merger to Capitol Products Corporation, who having been duly sworn upon his/her oath acknowledged the execution of the foregoing instrument for and on behalf of said entity.

Witness my hand and Notarial Seal this 21st day of December, 2012.

Patricia Ann Thomas,
Notary Public Residing in Chesterfield County, VA

Patricia Ann Thomas
(Printed Name)

My Commission Expires 6/30/2013

Patricia Ann Thomas
Commonwealth of Virginia
Notary Public
Commission No. 222213
My Commission Expires 06/30/2013

Send tax statements to: El Campo GP, LLC
c/o The William L Bonnell Company, Inc.
P. O. Box 428
Newnan, GA 30265
Attention: Susan Dooley

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security Number in this document, unless required by law. Thomas H. Engle

This instrument prepared by (and return to): Thomas H. Engle, Attorney-at-Law
Barnes & Thornburg LLP, 11 South Meridian Street, Indianapolis, Indiana 46204

EXHIBIT A

Legal Description

The West sixty-four (64) feet of Lot Two (2), and all of Lots Three (3), Four (4), Five (5) and Six (6), in Block Two (2), of Batton's First Addition to the Town of Kentland, Newton County, Indiana;

ALSO, a part of the Southeast Quarter of Section Twenty (20), Township Twenty-seven (27) North, Range Nine (9) West of the Second Principal Meridian, Newton County, Indiana, described by: Commencing at a concrete monument marking the Southeast corner of said Section Twenty; thence Northerly on and along the East line of said Section Twenty for a distance of Sixteen Hundred Sixty and Eight Tenths (1660.8) feet to a point in line with the North line of Wilson Street of Batton's First Addition to the Town of Kentland; thence westerly on and along the North line of said Wilson Street for a distance of Thirteen Hundred Twenty-six (1326.0) feet to a 5/8 inch iron rod, this point is the True Point of Beginning; thence continuing westerly on and along a line with the North line of said Wilson Street for a distance of Eleven Hundred Twenty-six and seven tenths (1126.7) feet to a 1/2 inch iron pipe in an existing fence line; thence Northerly on and along said fence line for a distance of Seven Hundred Fifty-eight (758.0) feet to a one inch iron pipe; thence Easterly parallel with the North line of said Wilson Street for a distance of Eleven Hundred Twenty-Two and Three Tenths (1122.3) feet to a one inch iron pipe; thence Southerly Seven Hundred Fifty-eight (758.0) feet to the True Point of Beginning. This parcel of land contains Nineteen and Five Hundred Sixty-Seven Thousandths (19.567) acres.

ALSO, a part of the Southeast Quarter of Section Twenty (20), Township Twenty-seven (27) North, Range Nine (9) West of the Second Principal Meridian, Newton County, Indiana, described by: Commencing at a concrete monument marking the Southeast corner of said Section Twenty; thence northerly on and along the East line of said Section Twenty for a distance of Sixteen Hundred Sixty and Eight Tenths (1660.8) feet to a point in line with the North line of Wilson Street of Batton's First Addition to the Town of Kentland; thence Westerly on and along the North line of said Wilson Street for a distance of Twelve Hundred Ninety (1290.0) feet to a 5/8 inch iron rod, this point is the True Point of Beginning: thence continuing Westerly on and along a line with the North lien of said Wilson Street for a distance of Thirty Six (36.0) feet to a ½ inch Iron pipe; thence northerly on and along the East line of property owned by Capitol Products Corporation, a distance of Seven Hundred Fifty Eight (758.0) feet to a One inch iron pipe; thence easterly parallel with the North line of said Wilson Street for a distance of Thirty Six (36.0) feet to a point; thence Southerly Seven Hundred Fifty Eight (758.0) feet to the True Point of Beginning.

ALSO, the East Thirty Six (36.0) feet of the West One Hundred (100.0) feet of Lot Two (2), Block Two (2), Batton's First Addition to the Town of Kentland.

ALSO, a part of the Southeast Quarter of Section Twenty (20), Township Twenty Seven (27) North, Range Nine (9) West of the Second Principal Meridian, Newton County, Indiana, described by: Commencing at a concrete monument marking the Southeast corner of Said Section Twenty; thence northerly on and along the East line of said Section Twenty for a distance of Sixteen Hundred Sixty and Eight Tenths (1660.8) feet to a point in line with the North line of Wilson Street of Batton's First Addition to the Town of Kentland; thence westerly on and along the North line of said Wilson Street for a distance of Twenty Four Hundred Fifty Two and Seven Tenths (2452.7) feet to a 1/2 inch iron pipe in an existing fence line; thence northerly on and along said fence line for a distance of Seven Hundred Fifty Eight (758.0) feet to a One inch iron pipe, this point is the True Point of Beginning; thence northerly on and along said fence line for a distance of Forty (40.0) feet; thence easterly parallel with the North line of said Wilson Street for a distance of Eleven Hundred Fifty Eight and Three Tenths (1158.3) thence southerly parallel with the West line for a distance of Forty (40.0) feet; thence westerly Eleven Hundred Fifty Eight and Three Tenths (1158.3) feet to the True Point of Beginning. This parcel of land contains One and Six Hundredths (1.06) acres, more or less.

ALLIE M. ALENDUFF, RECORD

REVISED REMEDIATION WORK PLAN

Bon L Manufacturing Company
Kentland, IN Facility

November 14, 2014
Revised May 13, 2015

Prepared for:

Bon L Manufacturing Company
508 Wilson Street
Kentland, IN 47951
IDEM VRP # 6130501

May 13, 2015 Revised Pages

Prepared by:

Amec Foster Wheeler Environment & Infrastructure, Inc.
1075 Big Shanty Road NW, Suite 100
Kennesaw, Georgia 30144

Project No. 6123150107

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List of Acronyms and Abbreviations

AOC	Area of Concern
AS	Air Sparging
AST	Aboveground Storage Tank
ATSDR	Agency for Toxic Substances and Disease Registry
BEA	Baseline Ecological Assessment
Bon L	Bon L Manufacturing Company
CNTS	Covenant Not To Sue
COC	Contaminant of Concern
CSM	Conceptual Site Model
CVOC	Chlorinated VOC
1, 2-DCA	1, 2-Dichloroethane
cDCA	cis-1, 2-Dichloroethene
DRO	Diesel Range Organics
EDR	Environmental Data Resources, Inc.
ERC	Environmental Restrictive Covenant
ERM	Environmental Resources Management
ESA	Ecologically Susceptible Areas
Foc	Fraction of Organic Carbon
HASP	Health and Safety Plan
IA	Indoor Air
IDEM	Indiana Department of Environmental Management
IDNR	Indiana Department of Natural Resources
ISCO	In-Situ Chemical Oxidation
MEK	Methyl Ethyl Ketone
MS/MSD	Matrix Spike/Matrix Spike Duplicate

NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resource Conservation Service
PAH	Polycyclic aromatic hydrocarbons
PCB	Polychlorinated Biphenyls
POC	Perimeter of Compliance
PRB	Permeable Reactive Barrier
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
RCG	Remediation Closure Guide
RCR	Remediation Completion Report
RCRA	Resource Conservation and Recovery Act
RPG	Remediation Program Guide
RSC	Record of Site Closure
RWP	Remediation Work Plan
SGss	Sub-Slab Soil Gas
SHMP	Sodium Hexametaphosphate
SI	Screening Investigation
SL	Screening Level
SR	Sustained Release
SVE	Soil Vapor Extraction
SVOC	Semi volatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene
TPH	Total Petroleum Hydrocarbons
USEPA	Environmental Protection Agency
VC	Vinyl Chloride
VOC	Volatile Organic Compound
VRA	Voluntary Remediation Agreement
VRP	Voluntary Remediation Program
WWT	Wastewater Treatment

1.0 INTRODUCTION

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) has prepared this Revised Remediation Work Plan (Revised RWP) on behalf of the Bon L Manufacturing Company Kentland, IN Facility (Site) (Bon L) in accordance with the requirements of the Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program (VRP).

This Revised RWP is prepared in order to indicate changes to the remedial approach outlined in the November 14, 2014, Remediation Work Plan (2014 RWP). Changes to the 2014 RWP are indicated using replacement pages and modified figures.

The property discussed in this RWP is located at 508 Wilson Street in Kentland, Newton County, Indiana (the "Site"). A topographic map displaying the location of the Site is provided as **Figure 1**. A figure depicting the layout and significant features of the property is provided as **Figure 2**. This document follows the RWP outline format presented in Chapter 8 of IDEM's Remediation Program Guide (RPG) (February 2012) and the RWP Completeness Checklist available at www.IN.gov/idem/5157.htm. IDEM has assigned this Site the VRP #6130501. The Voluntary Remediation Agreement (VRA) between Bon L and IDEM was executed January 13, 2014. Closure activities will be conducted following guidance outlined in the Remediation Closure Guide (RCG) (March 2012, revised March 2014).

1.1 PROJECT BACKGROUND

1.1.1 Site Location and Contact Information

The Site is located at 508 Wilson Street in Kentland, Newton County, Indiana (**Figure 1**). The Site is comprised of five parcels, totaling approximately 25 acres. Three parcels are located north of Wilson Street (56-16-20-442-001.000-011, 56-16-20-441-011.000-011, and 56-16-20-800-005.001-011), and two parcels are located south of Wilson Street 56-16-20-442-004.000-011 and 56-16-20-441-012.000-011). Based on Newton County tax records, all five parcels are currently owned by the El Campo Group, LLC, care of the William Bonnell Company, Inc., Newnan, GA.

The primary contact for the Site is:

Terry Snell
Division Manager Environmental
Bonnell Aluminum
PO Box 428
Newnan, GA 30264
Phone: 404-431-0028
E-mail: tdsnell@bonlalum.com

1.1.2 Surrounding Land Use

The Site is located in an area that is zoned for medium industrial use, manufacturing and assembly. The Site is surrounded by a mixture of commercial/industrial properties and agricultural land, as described below:

- North: Agricultural land.
- East: A mixture of agricultural land and commercial/industrial facilities.
- South: Wilson Street followed by the former facility parking lot and vacant land.
- West: Agricultural land.

ERM reviewed aerial photographs dated 1952, 1977, 1981, 1987, 1992, 1998, 2005, 2006, 2007, and 2008. These aerial photographs were obtained from Environmental Data Resources, Inc. (EDR). Copies of these aerial photographs are included in **Appendix A**. Pertinent observations regarding surrounding land use obtained from the aerial photographs are as follows:

- 1952: The surrounding properties appear to be agricultural land with one small building located to the southeast of the Site, which appears to be utilized as a residential home or agricultural building (i.e. a barn).
- 1977 through 2008: On these aerial photographs there are several buildings located on the surrounding properties to the southeast of the Site, as well as a water tower. These buildings appear to be in the same locations, configuration and sizes as the buildings observed on the adjoining properties at the time of the screening investigation work conducted in 2012 through 2014. These buildings appear to be utilized for commercial/industrial purposes; however, the exact use of the

buildings cannot be determined due to the scale and quality of the aerial photographs.

1.1.3 Site Layout

The former manufacturing building is approximately 215,380 square feet and occupies the majority of the central portion of the Site (north of Wilson Street). A fence surrounds the majority of the northern portion of the Site. Concrete sidewalks connect the employee parking lot south of Wilson Street to the facility. A locked gate and gravel drive located in the east side of the Site provides access. An asphalt parking and staging area is located in the loading area (northwest corner of the building) and concrete cover is located immediately north of the building where the former aboveground storage tanks (ASTs) were located. The driveway and remaining former storage areas are predominantly gravel. The remaining unoccupied portions of the property are covered in grass (**Figure 2**).

Key underground utilities are shown on **Figure 2**. The facility is connected to municipal water and sewer; it has never had a water supply well or a septic system. Sanitary and process wastewater was collected from various parts of the building and is conveyed to the main sanitary sewer located along the southern side of the building, as shown on **Figure 2**. This wastewater is then conveyed eastward within the main sanitary sewer towards the Kentland Sewage Treatment Plant.

There are no storm sewers at the Site; storm water runoff is via sheet flow.

There are two perimeter drains located at the Site, as shown on **Figure 2**. These drains pass beneath the building located at the Site and are believed to terminate as perforated drainage tiles in the grass areas north of the building. These drains were installed when the building was initially constructed as a way to lower the very shallow water table. No process or wastewater was discharged to these drain lines.

1.1.4 Historical Ownership and Operations

The Site was utilized for agricultural purposes prior to 1972, when the manufacturing building was constructed. Additions to the building were made in 1978, 1983, 1989, and 2000, as shown on **Figure 2**. Activities throughout the operational history of the Site include aluminum extrusion, aluminum painting, sulfuric acid anodizing, and incidental equipment maintenance and cleaning. While operational the Site maintained a Title 5 Air Permit, T111-18828-00005, a National Pollutant Discharge Elimination System (NPDES) Permit (Permit Number 0049859), an Industrial Wastewater Pretreatment Permit (Permit Number INP

000090) and was a registered generator of hazardous waste United States Environmental Protection Agency (USEPA) identification number IND057396608.

There were two different wastewater treatment (WWT) systems at the site, one for the paint line and one for the anodizing line.

1. The paint line WWT system was installed in 1972, during original building construction, to treat wastewaters from the chemical (chromium) conversion coating of aluminum. The WWT system was primarily housed in a room located just north of the paint line. The northern end of the sanitary sewer shown on **Figure 2** extending to Outfall 102 originates at the former WWT room.

   The paint line WWT system consisted of a treatment tank, a clarifier, a vacuum filter drum, assorted treatment chemical feed tanks, and associated pumps, piping, and control systems. The wastewater treatment system generated a chromium hydroxide filter cake, which, in 1981, was designated a listed hazardous waste, F019 – sludge from the treatment of wastewaters from chemical conversion coating of aluminum. Solids formed in the wastewater treatment process precipitated in the clarifier, and were pumped to a vacuum drum for dewatering. Dewatered filter cake was disposed of off-site in conformance with applicable environmental regulations. The conversion coating system was changed to a non-chromium process in the fall of 2003 and wastewater was diverted to the anodizing WWT system. Equipment and tanks from the modified WWT system were emptied, rinsed, and disposed of as hazardous waste debris.

2. This anodizing process added in 1983 consisted of cleaning, anodizing, and sealing baths each followed by a rinse bath. In addition, part of the anodize production is process through etching, cleaning, and coloring baths with a rinse bath following each. The anodizing WWT system consisted of ammonia stripping, equalization (mixing), neutralization, chemical precipitation, flocculation, sedimentation, polishing filter, gravity thickening, and pressure filtration. Equipment associated with the system included an equalization tank, two neutralization tanks (operated in series), a lamella gravity settler, a sand filter, and associated piping and pumps, all housed in the northern part of the 1983 addition (shown on **Figure 2**). There was also a wastewater holding tank located outside just north of the building. Treatment chemical feed systems, dump tanks for segregated batch treatment of selected wastewaters, and air stripping tower for ammonia removal, and a filter press for solids dewatering complete the system. The filter

cake solids were disposed as non-hazardous waste at the Newton County Landfill. From 1983 until approximately 2003 treated wastewater was discharged to Morrison Ditch #2 under NPDES discharge permit No. IN0049859. In 2003, Bon L began discharging wastewater from the anodizing WWT system to the municipal sewer (see **Figure 2**) under Pretreatment Permit No. INP000090.

All manufacturing operations at the Site ended in summer 2012 and over the next several months, all machinery and equipment were removed and the interior of the manufacturing building was cleaned. The former concrete containment area located outside the building north of the former paint line was demolished and 236 tons of F003/F005 listed concrete and debris waste was transported to the Wayne Disposal Landfill in Belleville, MI for disposal, and the excavation was backfilled with clean gravel fill.

The former oil-water separator structure located near the northeast corner of the building was decontaminated, demolished to grade, and backfilled with clean gravel fill. The concrete debris was disposed of at the Newton County Landfill.

On June 10, 2013 an inspector with the IDEM Hazardous Waste Compliance Section, Compliance and Response Branch conducted a Compliance Assistance/WARN inspection at the Site. The follow-up letter issued by IDEM on June 24, 2013 concluded "No Violation(s) Discovered." The Site is currently listed as a small quantity hazardous waste generator and intends to keep that status until remediation and closure monitoring have been completed.

1.1.5 Overview of Environmental Impacts Discovery and Chronology of VRP Activities

This section presents the discovery of environmental impacts and a chronology of previous investigations and remedial actions at the Site.

1.1.5.1 Historic Spills and Excavations

According to a 1983 Site drawing reviewed by ERM, in 1978 a fuel oil UST installed when the building was constructed was removed from the northwest corner of the Main Plant building (see **Figure 2**) as part of a plant expansion. No other documentation could be located.

According to knowledgeable plant personnel, in 1997, two fuel oil ASTs located east of the northeast corner of the Main Plant building were demolished and associated stained soil was excavated and disposed of at Newton County Landfill in Brook, Indiana.

On February 26, 1998 approximately 60 gallons of chromium hydroxide sludge with Resource Conservation and Recovery Act (RCRA) hazardous waste code F019 was released on pavement north of the Exterior Paint Dock. Cleanup activities were completed by on-site personnel on the date of the release. The spill was reported to IDEM the same day. Bon L has been unable to locate the incident number. On June 19, 2000 approximately 100 gallons of F019-listed sludge was released near the Exterior Paint Dock. Cleanup activities were completed by on-site personnel on June 20, 2000. The spill was reported to IDEM and assigned incident # 200006164.

In 2005, Bon L completed a soil excavation in the vicinity of the former clarifier, located outside the building north of the paint line, to address past minor spills of treated wastewaters and precipitated solids. While excavating, soil outside the building was found to contain commingled #2 fuel oil, ethylbenzene, and xylenes. The impacts were believed by Bon L personnel to be the result of a past release from a heated-air supply unit which was taken out of service in the late 1970s and dismantled in 1997, a spill from a drum of non-chlorinated organic solvent in the early 1980s, and a release caused by the puncture of a xylene storage drum in the early 1980s, respectively. Bon L excavated the area (shown on **Figure 2**) until there was no visual evidence of impacts or odors present. Excavated materials that appeared to be impacted were segregated and disposed of as special waste at Newton County Landfill. Sidewall and floor soil samples were collected and submitted for laboratory analysis of total petroleum hydrocarbons (TPH) diesel range organics (DRO) or volatile organic compounds (VOCs). The results of these samples were reported as below industrial cleanup objectives. The area was subsequently backfilled with clean fill material and paved.

1.1.5.2 *Screening Investigation and VRP Activities*

Just prior to and following the closure of the facility during summer and fall 2012, a screening investigation (SI) was conducted to document the condition of the property. Twenty one potential areas of concern (AOCs) were identified by Bon L and ERM personnel. **Table 1** lists the 21 potential AOCs and provides a brief justification for each, and a map depicting the individual AOCs is provided as **Figure 3**.

Potential Contaminants of Concern (COCs) assessed at various locations across the Site included VOCs, semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), modified target analyte list (TAL) metals, total lead, hexavalent chromium, polychlorinated biphenyls (PCBs), and cyanide.

During December 2012, ERM completed additional soil and groundwater sampling activities to confirm and delineate the initial September/October 2012 findings. The SI work completed in 2012 is summarized below in **Section 2.2**.

Interim remedial activities in the form of soil excavation and confirmation sampling were completed at the Site in February and March 2013. A detailed discussion of the SI and interim remedial activities is provided in **Section 2.3**, below.

On April 17, 2013, ERM, at the request of Bon L, reported the discovery of historic contamination identified during the SI to the IDEM Spill Reporting Hotline. IDEM assigned the issue release #35508. On May 21, 2013 Bon L voluntarily applied to enter the IDEM VRP, and on January 13, 2014 the Site officially entered the IDEM VRP under VRP #6130501. Copies of the VRP application and executed Voluntary Remediation Agreement (VRA) can be found on IDEMs Virtual File Cabinet at document numbers 68244239 and 69446558, respectively.

On February 19, 2014, Bon L staff and ERM met with the IDEM VRP project manager to tour the closed facility and discuss the site status.

In March 2014, ERM completed several soil borings to refine the conceptual site model (CSM), installed several additional monitoring wells for future use in plume behavior/closure monitoring, and assessed the vapor intrusion pathway. The new wells and all the existing wells (33 in total) were sampled.

In June 2014, additional soil borings were completed north of the north loading dock area based on unexpected findings at one of the March 2014 well sample locations. No other VRP-related work has been completed at the Site since June 2014.

1.2 REMEDIAL ACTION OBJECTIVES

The initial objectives for sampling soil and groundwater at the Bon L Site was to document environmental conditions at the time of closure and to determine if any of the COCs detected in soil and groundwater exceeded IDEM screening levels (SLs) published in Appendix A of the RCG. Specifically, surface (defined as 0 to 0.5 feet below surface) and subsurface (defined as 0.5 feet to the water table) soil sample results were conservatively compared to the residential direct contact SLs for surface soil and groundwater samples were compared to the residential groundwater SL. Through this screening process many of the potential

COCs assessed were eliminated from further evaluation, including SVOCs, PCBs, cyanide, and hexavalent chromium.

For VOCs detected in soil and groundwater, additional samples were collected during multiple phases of follow-up sampling to delineate them to less than residential SLs.

Bon L is seeking a Certificate of Completion and Covenant Not-To-Sue (CNTS) covering the chemicals listed in **Table 2**, which includes all VOCs that were detected in either soil or groundwater during the SI, plus naphthalene, which is reported as both a VOC and an SVOC. In addition, the CNTS will include TAL metals.

The remedial objectives of the interim actions completed so far and the future remedial actions presented in this RWP are to:

- Excavate or treat all surface and subsurface soil that contains COCs with concentrations greater than commercial-industrial direct contact SLs (listed in **Table 2**).

- Excavate or treat all subsurface soil that contains COCs with concentrations greater than the excavation worker direct contact SLs.

- Demonstrate that soil concentrations have been delineated to the residential direct contact SLs at the perimeter of compliance (POC), in this case the Site property line.

- Demonstrate through multiple lines of evidence that groundwater concentrations do not currently exceed the residential groundwater SLs (listed in **Table 2**) at the POC, in this case the Site property line, and will not exceed SLs in the future.

- Conduct enhanced bioremediation in the Paint Room Area to address groundwater concentrations exceeding residential groundwater SLs. The groundwater remediation will be designed to reduce COC mass; not to attain specific numerical standards.

- Demonstrate that the vapor intrusion exposure pathway is not complete within the existing building currently based on attainment of commercial-industrial vapor intrusion SLs.

- Manage future exposure risks related to COCs that may remain at the Site by executing appropriate Environmental Restrictive Covenants (ERCs).

2.0 SCREENING INVESTIGATION ACTIVITIES

2.1 SUMMARY OF INFORMATION USED TO SELECT REMEDY

The following sections summarize the information used to select the remedial actions for the Site.

2.1.1 Demography and Susceptible Human Populations

The following information is from the US Census Bureau State and County Quick Facts website at:

http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=bkmk

As of the census of 2010, there were 1,748 people and 695 households, and 782 housing units in the Town of Kentland, and 14,087 people in Newton County. The population density of the Town of Kentland was 1,142 people per square mile, with the total land area of the city at 1.53 square miles. The racial makeup of the city was 89.6% White, 0.8% African American, 0.1% Native American, 0.5% Asian, 8.0% Hispanic/Latino, and 1.8% from two or more races.

In the city the population was spread out with 6.0% under the age of 5, 27.8% under the age of 18, and 15.8% who were 65 years of age or older. 51.0 % of the population is female.

The nearest susceptible human population centers and their location are summarized in the following table:

Susceptible Human Population Facility	Name and Address	Approximate Location with Respect to the Site (distance and direction)
School	South Newton School Corporation (13188 S. 50 E, Kentland, IN)	4.8 miles, east
Day Care Center	Learning Tree Day Care (546 N 6th St. Watseka, IL)	13.8 miles, west
Nursing Home	Sheldon Health Care (170 W. Concord St. Sheldon, IL)	5.3 miles, west
Senior Center	Fowler Senior Center (218 E 5th Street, Fowler, IN)	13.0 miles, southeast
Park	Earl Park Community Park (Unspecified Address Earl, IN)	6.3 miles, southeast
Recreation Center	Kentland Swimming Pool (405 M. 4th St. Kentland, IN	1.2 miles, east
Hospital	Iroquois Memorial Hospital (303 N 7th St. Kentland, IN	1.5 miles, east

According to IDEM"s Wellhead Proximity Determinator located at the following web link below, the Site is located within the wellhead protection area for the Town of Kentland Municipal Well Field.

http://www.in.gov/idem/pages/wellhead/

No residents or susceptible populations are expected to be impacted by the concentrations of COCs detected in the soil or groundwater at the Site. Details regarding the toxicity information for the COCs are provided in Section 2.3.2, and details regarding the COC concentrations and locations are discussed in Section 2.3.7 below.

Multiple lines of evidence presented in the following sections indicate that the COCs discussed in this RWP do not extend beyond the Site boundary, and will not in the future.

2.1.2 Ecologically Susceptible Areas

A baseline ecological assessment (BEA) evaluating ecologically susceptible areas (ESAs) as defined by the State of Indiana in the RCG (i.e. karst terrain; wetlands; parks, preserves, and other protected areas; and habitats used by endangered or threatened species, or species of special concern) was performed for the Site area. The BEA consisted of a desktop review of pertinent references to gather general information about the Site and surrounding land use. The information used to develop the BEA is included in **Appendix B**.

Review of the on-line aerial photographs showing mapped wetland areas identified four wetland areas within 1 mile of the Site. According to information obtained from the Natural Resource Conservation Service (NRCS) Web Soil Survey, the predominant soil at the Site is Foresman silt loam, 0 to 2 percent slopes, eroded. According to the Web Soil Survey information, Foresman silt loam is classified as a nonhydric soil. The Endangered Species list for Newton County, obtained from the IDNR Division of Nature Preserves website, included 113 species that were listed as either being endangered, threatened, rare, or of special concern in the state, including one mollusk, 25 insects, two amphibians, five reptiles, 24 birds, seven mammals, and 40 vascular plants. A letter dated October 2, 2014 from the Indiana Department of Natural Resources (IDNR) states that the Indiana Natural Heritage Data Center has records of one high quality natural community, one state endangered insect, two state rare insects, and one state threatened species within 0.5 miles of the Site. However; these occurrences do not occur precisely at the project site. Therefore if activities are limited to the Site, no impacts are expected to these occurrences.

Based on this information, no ESAs were found close enough to the Site to be susceptible to impacts from the concentrations detected in samples of the on-Site soil or groundwater.

2.1.3 *Site-Specific Geology*

The Site is located at an elevation of approximately 680 feet above mean sea level, and the topography at the Site slopes gently northward towards the Iroquois River located approximately 2.5 miles north. According to the Hydrogeologic Atlas of Aquifers in Indiana (the "Atlas") by Fenelon et al (1994), the Site is located in the Kankakee River Basin and lies along the boundary of the southern Steuben Morainal Lake Area and the northern Tipton Till Plain physiographic units. Bedrock in the area is indicated in the Atlas as being located beneath approximately 50 to 100 feet of unconsolidated Wisconsin-aged glacier deposits and consists of Silurian and Devonian limestone and dolomite. Unconsolidated deposits from ground surface to bedrock are described as glacial till with thin interbedded sands.

The United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS) Web Soil Survey classifies surface soils at the Site as predominantly Foresman silt loam and Darroch loam. These soils are described as gently sloping and moderately well drained and somewhat poorly drained, respectively. Based on ERM's observations of the subsurface conditions at the Site, the soils generally consists of humus-rich silty clay topsoil or, within the developed portions of the Site, sandy or gravelly fill material, followed by silty clay. In places the silty clay contains seams of saturated sand underlain by a confining layer of silty clay glacial till. A geologic cross section trace map and geologic cross sections A-A' (trending south to north) and B-B' (trending west to east) are included as **Figures 5, 6,** and **7**, respectively.

2.1.4 *Site-Specific Hydrogeology*

According to the Indiana Department of Natural Resources, Division of Water document entitled "Unconsolidated Aquifer Systems of Newton County, Indiana" (1990) the principal aquifer in the region is the Iroquois Basin Aquifer System, described as follows:

The aquifer system is a mostly clay-rich deposit having scattered intertill sand or gravel lenses, and isolated surface sands. The thickness of the system, which is largely controlled by the underlying bedrock topography, ranges from 12 to 120 feet. The Iroquois Basin Aquifer System consists predominately of glacial till having thin intertill aquifers and some deeply buried aquifers in bedrock valleys. Lenses of intertill fine-to-medium-grained sand, two-to-three foot thick, with local gravel deposits are present in a wide range of depths in this system.

Well yields ranging from 4 to 25 gpm are generally adequate for domestic use, but dry holes can occur because of the erratic distribution of the intertill aquifers. Large diameter wells, completed in locally thick, deeper sand and gravel deposits, may be capable of producing from 100 to 400 gpm in this system. There are two registered significant groundwater withdrawal facilities (2 wells) in Newton County with yields of 50 to 225 gpm. These facilities are used for public supply.

A water well survey was conducted and is included as **Appendix C**. The survey includes a figure showing the locations of high-capacity wells between one and two miles from the Site and low- and high-capacity wells within one mile of the Site. The locations of all wells were as shown in the Water Well Web Viewer of the Indiana Department of Natural Resources Division of Water. Well construction records for each of the identified wells are provided in **Appendix C**. These well construction records were utilized to generate a cross section trace map and hydrogeologic cross section through the Kentland, Indiana wellhead protection area, and are included as **Figures 8 and 9**, respectively.

Kentland's town well field is located approximately 3,000 feet north-northeast of the Site. Based on publically available water well records, the Kentland wells are screened just above bedrock in the buried sand and gravel unit. According a document made available to ERM by Bon L entitled "Wellhead Protection Area Delineation for the Town of Kentland" dated spring 2000, prepared by Ortman Drilling, Inc., the conservative combined pumping rate of the well field is approximately 400,000 gallons per day. Beneath the Bon L Site, the buried sand and gravel unit utilized by the Kentland wells known as the Iroquois Basin Aquifer is separated from the impacted shallow water-bearing zones by a silty clay confining layer that approximately 80 feet thick.

Soil samples were collected from that confining unit at boring AOC19-12D2 near the northeastern corner of the property and analyzed for geotechnical parameters. The results are summarized in **Table 3**.

All of the monitoring wells installed on the Bon L Site as part of the SI were screened to collect groundwater from the shallowest occurrence. An electronic water level meter was used to measure depth to groundwater throughout the entire Site monitoring well network. The depth to the water table at the Site ranges from less than one foot to approximately 6.75 feet bgs (see **Table 4**). Potentiometric maps of the shallow water-bearing zone for gauging events completed in December 2012 and March 2014 are provided on **Figures 10a and 10b**. These figures illustrate that shallow groundwater beneath the Site flows generally towards the north.

The hydraulic conductivity testing was completed at four shallow monitoring wells (MW-7, MW-8, MW-20, and MW-23) using the

pneumatic slug test method, where after pressurized air is forced into the monitoring well, the water level is allowed to stabilize, and then the pressure instantaneously released to produce an effect similar to the removal of a volume of water (i.e. a "slug"). The stabilization data was evaluated using the Bouwer-Rice Method. These results show an average hydraulic conductivity of 6.052E-05 cm/sec. The results of the hydraulic conductivity testing are included in **Appendix D** and are also summarized in **Table 3**.

Fraction of Organic Carbon (Foc) samples were collected and analyzed in triplicate by the Walkley Black method from four subsurface soil locations and one confining unit interval located in areas of the Site not impacted by VOCs. The mean Foc for soil at the Site was determined to be 0.009 g/g. Foc results are included in **Appendix D** and are also summarized in **Table 3.**

2.1.5 Toxicological Information

Copies of the most recent Public Health Statements from the Center for Disease Control's Agency for Toxic Substances and Disease Registry (ATSDR) or the USEPAs Integrated Risk Information System Summaries for the compounds discussing how exposure to those compounds may affect a person's health are attached in **Appendix G**. The specific COCs detected greater than their respective SLs that remain at the Site are:

- Surface Soil
    - No COC concentrations greater than proposed SLs
- Subsurface Soil:
    - No COC concentrations greater than proposed SLs
- Groundwater:
    - 2-butanone also known as methyl ethyl ketone (MEK), 1,2-dichloroethane (1,2-DCA), cis-1,2-dichlorothene (cDCE), ethylbenzene, trichloroethene (TCE), 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, vinyl chloride (VC), xylenes, and naphthalene greater than residential groundwater SL
    - 1,2-DCA, TCE, and VC greater than the commercial-industrial groundwater vapor exposure SL

- Indoor Air
    - No COC concentrations greater than proposed SLs
- Sub-Slab Soil Gas (SGss):
    - No COC concentrations greater than proposed SLs (with 0.01 attenuation factor for SGss)

The chemical and toxicological characteristics of the COCs listed above that have been detected in soil, groundwater, and/or SGss compared to their respective SLs are presented in **Table 5**.

2.2 *EXTENT OF SUBSURFACE WORK*

The subsurface work completed by ERM on behalf of Bon L included advancement of soil borings, collection of soil and discrete groundwater samples, installation of permanent groundwater monitoring wells, collection of groundwater samples, installation of soil gas monitoring points, collection of soil gas and indoor air samples, and soil excavation work. **Table 1** lists the analyses selected for each AOC based on the following information:

- The list of chemicals tracked on Form R, Tier II, or other plant reports,
- IDEM Guidance OLQ-General ID-0122 "Metal Finishing Industries' Contaminants of Concern", and
- The RPG Table 3-1 "Potential Petroleum Contaminants".

Soil boring locations, monitoring well locations, and SGss sampling locations are depicted on **Figure 4**. The soil boring logs and monitoring well construction diagrams are included in **Appendix E**. The groundwater sampling forms are attached in **Appendix F**.

2.3 *SUMMARY OF INVESTIGATION METHODS*

The following sections describe the components of the CSM, as indicated in Section 2.1 of the RCG. The CSM describes the Site characteristics, the processes that result in migration of contaminants from the source(s) to the receptor(s), and the potential pathways that require corrective action based on the results of the nature and extent of impacts sampling.

2.3.1 2012 Investigation

2.3.1.1 *Soil Boring Advancement and Sampling*

ERM advanced 87 soil borings and collected 164 soil samples to screen and delineate on-Site soil and groundwater impacts and assess potential background concentrations of COCs. Enviro-Dynamics of Hebron, Indiana, used a Geoprobe® 6600-Series drill rig and stainless steel samplers equipped with disposable acetate liners to complete the borings and recover soil for sampling.

For each soil interval, the ERM field geologist: (1) visually examined and described the subsurface geology; (2) inspected the soil for visible evidence of contamination; and (3) performed field screening with a photoionization detector for the presence of organic vapors. Prior to use, the PID was calibrated using an isobutylene standard of known concentration. Soil descriptions and PID screening results are documented on the soil boring logs. Generally two soil samples were collected for laboratory analysis from each soil boring location: a surface soil sample from 0 to 0.5′ and a subsurface sample based on field observations (i.e. odors and visible signs of staining and/or free product) and PID results.

ERM placed the soil samples in appropriate laboratory-supplied containers, then inside coolers with ice and sent them to an offsite testing laboratory using proper chain-of-custody procedures. Soil samples were analyzed using the following methods:

- VOCs by U.S. Environmental Protection Agency (USEPA) SW-846 Method 5035A (Terracore Kits with two pre-tared distilled water vials and one pre-tared methanol preserved vial)/Method 8260B;
- SVOCs by USEPA SW-846 Method 8270;
- PAHs by USEPA SW-846 Method 8270;
- TAL metals by USEPA SW-846 Method 6020 and 7040/7471;
- Hexavalent chromium by USEPA SW-846 Method 7196A;
- PCBs by USEPA SW-846 Method 8081/8082.

In addition to the collection of soil samples, groundwater samples were collected from 46 soil borings and submitted for analysis of the same parameters to aid in screening for impacts to shallow groundwater across the Site.

Field duplicates, equipment rinseate blanks, and matrix spike/matrix spike duplicates (MS/MSDs) were collected at the approximate ratio of one per every 20 samples. One trip blank was included with each sample cooler containing samples for VOC analysis being shipped to the laboratory.

2.3.1.2 *Monitoring Well Installation and Sampling*

During the SI, ERM oversaw the installation and sampling of 27 permanent monitoring wells at the Site. The monitoring wells were installed by Enviro-Dynamics using a direct push Geoprobe® drill rig and under the oversight of ERM field personnel. The wells were completed using one-inch-diameter Schedule 40 polyvinyl chloride (PVC) with 0.010-inch slot screens that were 10 feet long. An appropriate filter pack was installed to approximately 0.5 feet above the top of each screened interval, and a hydrated bentonite seal one foot thick was installed above the filter pack. The remainder of the annular space was filled with bentonite chips or grout. A locking pressure cap was placed on each well. The wells were installed to total depths ranging from 13 to 16 feet, so that they were screened within the uppermost water-bearing zone and extended to the top of the silty clay till confining unit.

Following installation of the monitoring wells, the following activities were performed:

- ERM used a peristaltic pump and dedicated tubing to develop each well until visual evidence of turbidity was removed or until pumping continued for approximately one hour, whichever occurred first.

- Ashton Surveying of Muncie, Indiana surveyed the locations and elevations of all Site soil borings and monitoring wells. The ground surface and top-of-casing (north edge) elevations at each well were surveyed to the nearest 0.01 foot.

- ERM measured the depth to groundwater at each of the Site monitoring wells using an electronic oil/water interface probe.

- Each monitoring well was purged via the micro-purging technique using a peristaltic pump or until three well volumes had been extracted.

- ERM collected groundwater samples from the 27 monitoring wells located at the Site. The peristaltic pump was used to collect SVOCs and metals. VOCs were collected using disposable plastic bailer.

2.3.1.3 *Sampling for Metals in Groundwater*

During the initial SI completed during 2012 Bon L assessed metals contamination in ground water at the Site as follows:

- Soil and groundwater samples collected at AOCs associated with painting and anodizing activities and the three background wells were analyzed for site-specific metals.

- Soil and groundwater samples collected at AOCs associated with hydraulic oil or fuel oil, plus the trailer and employee parking lots were analyzed for lead only, per Table 3-1 of IDEM's RPG.

- Two sets of sample containers were collected at each location.

    - The first set of containers, which were intended for total metals analysis, contained nitric acid preservative. Raw, unfiltered sample volume was placed into those containers.

    - The second set, which was intended for dissolved metals analysis, did not contain preservative. The second set was filtered at the laboratory using a 0.45 micron filter to remove sediment suspended in the sample.

    - The second set was collected as a contingency because suspended sediment, which was documented to be elevated at most locations during the SI (see turbidity results shown in **Appendix F**), is likely to cause high-biased total metals results. The contingency samples were preserved after filtering then held in a refrigerator for possible future analysis of dissolved metals.

- After total metals results were analyzed and reported by the laboratory, ERM compared the results to RGWT screening levels. If a total metal result was exceeded then the contingency sample was analyzed for dissolved metals.

2.3.1.4 *Soil Gas Monitoring Point Installation and Sampling*

ERM installed six SGss monitoring points (SGss-1 through SGss-6) to assess the potential for vapor intrusion (VI) into the building on Site. As referenced in IDEM's RCG, SGss monitoring points were installed in accordance with the procedure outlined in the Raymark Study Report (USEPA, 2006), as follows:

- Prior to drilling holes in the slab, a private utility contractor was utilized to locate existing utilities in the facility, and clear the areas where SGss ports will be installed.

- A rotary hammer drill was used to create a 1 ½ inch "outer" hole that penetrates no more than two-inches into the slab.

- A rotary hammer drill was then be used to create a 5/8 inch diameter "inner" hole through the remainder of the slab and approximately three inches into sub-slab material. The thickness of the slab was recorded in the field book for later reference. Drilling into sub-slab material will create an open cavity which will prevent obstruction of probes during sampling by small pieces of gravel. A wet/dry vacuum cleaner was used to clean the concrete dust from the hole.

- Sub-slab vapor probes were then installed using stainless steel Cox-Colvin Brand Vapor Pins™. Using stainless steel materials ensures that construction materials are not a source of VOCs. The vapor pins were inserted into silicone sleeves prior to insertion into the "inner hole" creating an air tight seal around the sample point.

- The top of the probes were completed flush with the slab and have recessed stainless steel plugs so as not to interfere with day-to-day use of buildings.

Following installation of the SGss monitoring points, three paired indoor air (IA) and SGss samples (IA-2/SGss-2, IA-3/SGss-3, and IA-5/SGss-5) were collected using the following protocols:

- Sampling personnel avoided activities immediately before and during the sampling that may contaminate the sample (e.g., using markers, fueling vehicles, etc.).

- Weather information (temperature, barometric pressure, relative humidity, wind speed, and wind direction) and approximate indoor temperature were recorded at the beginning of the sampling event. Field personnel recorded substantial changes to these conditions that may have occurred 24 to 48 hours prior to, and during the course of sampling.

- For the paired IA / SGss samples, the sampling locations were identified on a floor plan that also identifies locations of HVAC equipment, chemical storage areas, garages, doorways, stairways, sumps, drains, utility perforations, north direction, and separate footing sections. For the background outdoor ambient air sample, a location upwind from the building was sampled.

- The *Indoor Air Building Survey Checklist* (as referenced in the RCG) was completed.

- An evacuated six L vacuum canister was used to collect each IA/ ambient air sample while a one L vacuum canister was used to collect each SGss sample. The canisters were batch certified clean and provided by the laboratory, along with pre-attached flow controllers equipped with an in-line particulate filter and vacuum gauge. Each flow controller was be pre-calibrated by the laboratory for the desired flow rate or duration of sample collection (in this case, eight hours for the indoor air and ambient air samples and ten minutes for the SGss samples).

- The canister intake for the indoor air and ambient air samples was placed at breathing height (e.g., three to five feet above ground) via attachment of a stainless steel extension tube to the intake of the canister.

- The brass fitting attached to the pre- attached flow controller were checked for tightness, the setup will be considered a "closed system" and a leak test can therefore be initiated. The leak test consisted of opening the flow gauge and recording the pressure. After several minutes, field personnel again recorded the pressure. Since the setup is a "closed system", the pressure should remain the same. If this was found to be the case, IA samples were then collected.

- For the SGss samples, the Vapor Pins™ were then connected to the top of the flow controller with nylon tubing and tightened firmly. The sample port seals were then leak tested using a helium tracer gas. The tests were conducted as follows:

    - Helium meter intake and helium canister discharge were placed adjacent to the sub-slab sample port.

    - A clear plastic shroud (i.e. a disposable garbage bag) was placed around the sample point encompassing the helium meter intake tubing and the helium canister discharge tubing. A weighted hose was then placed around the edges of the shroud to hold it in place and provide a seal. The helium gas was then turned on and slowly inflated the shroud to a minimum of 20% helium gas content (as measured by the helium meter).

    - The sample tubing assembly and port was then purged using a gas-tight syringe (60cc) via a three-way valve. Three tubing volumes were purged.

- The end of the helium meter tubing was then carefully removed from beneath the shroud to avoid losing helium from the shroud. The meter was allowed to return to "zero" or ambient concentrations, and was then connected to the sampling tube via the three-way valve. The meter was then allowed to run until it reached a stable reading. The concentration of helium in the sampling tubing was a maximum of 10% of the minimum concentration beneath the shroud. If the concentration was above 10%, the shroud was removed, and the sampling point was reinstalled.

- If the leak testing was successful, a four-gas meter was connected to the sample tubing, allowed to reach a stable reading, and the oxygen level was recorded on the sampling form. As stated in Section 5.4.3 of the IDEM RCG "The presence of five feet of clean, unsaturated soil with an oxygen content greater than five percent between the petroleum contamination and the building generally rules out petroleum vapor intrusion." Based on this information, and given site conditions, for sample location SGss-1, if the oxygen content was found to be greater than five percent, a sample was not collected.

- For locations where samples were collected, the identification numbers for the canisters and flow controllers were recorded, along with the initial canister pressures on the vacuum gauge (check equipment-specific instructions for taking this measurement). These numbers and values were recorded on the chain-of-custody form for each sample.

- The valve on the vacuum canister was completely opened. The time each valve was opened (beginning of sampling) was recorded. A minimum vacuum reading of approximately 4 inches of mercury remained in each canister. The final vacuum pressure was recorded and the canister valve closed. The date and time that sample collection was stopped was recorded. Labels/tags (sample name, time/date of sampling, etc.) were attached to the canisters as directed by the laboratory.

- The canisters and other laboratory-supplied equipment were placed into the packaging provided by the laboratory.

- The chain of custody form was completed, making sure to include the identification numbers for each canister and flow controller, the start and end times for each canister's sample collection period, and the initial and final canister pressures on the vacuum gauge.

Vapor samples will be shipped under chain of custody via an overnight carrier to Pace Analytical, of Minneapolis, MN for analysis of select VOCs using USEPA Method TO-15.

A copy of the Indoor Air Building Survey Checklist is provided in **Appendix I**.

2.3.2 *Extent of Soil Impacts*

Figures depicting the horizontal and vertical distribution of VOCs in the soil at the Site are provided as **Figures 11 and 12**. All analytical results are summarized in tabular for on **Tables 6 through 8**. Analytical laboratory reports and chains-of-custody are included in **Appendix J**. A sortable spreadsheet showing detection limits and results is also included in **Appendix J**. Level IV reporting packages are available upon request. The following summarizes the conclusions regarding environmental impacts identified during the investigation, and remaining at the Site.

2.3.2.1 *Known Soil Impacts and Sources Through 2012*

The soil investigation analytical results are summarized in tabular form in **Tables 6 (VOCs), 7 (SVOCs), and 8 (metals)**. The horizontal extent of VOCs in soil at the conclusion of the 2012 SI is shown on **Figure 11**, and all exceedances are discussed in detail below. Vertical extent of VOCs in soil is demonstrated on Figure 11 via data boxes. No potential indications of non-aqueous phase liquid (NAPL) were detected in any soil samples.

- Ethylbenzene and xylene were detected at concentrations greater than its excavation worker direct contact SL at AOC4-1(4-6 feet bgs) and AOC5-2 (4-6 feet bgs). Xylene was also detected at concentrations greater than its excavation worker direct contact SLs AOC8-4 (2-4 feet bgs). The source of two compounds most likely was reoccurring minor spills during the routine use of paints and paint thinner at those three AOCs s. Based on generator knowledge, Bon L identified the spilled paint thinner as F003/F005 (non-halogenated solvent) RCRA listed hazardous waste.

- Trichloroethene TCE) was detected at a concentration greater than its excavation worker direct contact SL at AOC11-4 (6-8 feet bgs), located at the eastern end of the Former Maintenance Building where plant equipment was routinely taken for cleaning and servicing until the plant expansion in 2000, when the maintenance building was demolished. However, Bon L has no specific generator knowledge that TCE was historically stored or used at that location. Therefore, the source of the TCE (and associated daughter products) at that location is unknown and cannot be derived from a RCRA listed source.

- TCE was detected at a concentration and greater than its residential direct contact SL at AOC 19-1 (8-10 feet bgs) located at the northern end of the Former Incinerator concrete pad. Bon L has no specific generator knowledge that TCE was historically stored or used at that location. The source of the TCE (and associated daughter products) at that location is unknown and, therefore, cannot be derived from a RCRA listed source.

- Benzo(a)pyrene (BaP) was detected at concentrations greater than its residential direct contact screening level at AOC 21-1 (0-0.5 feet bgs). The source was almost certainly runoff from the adjacent asphalt employee parking lot.

- Arsenic was detected at concentrations greater than its residential direct contact SL at Background 3 (0-0.5 feet bgs) and AOC7-1 (0-0.5 feet bgs). The source of the arsenic was very likely to be associated with natural background, which is known to be elevated in glacially-derived soils in northern Indiana.

Although several COCs were also detected at concentrations greater than their respective RCG migration to residential groundwater SLs those samples were collected at or below the smear zone, to which the migration to groundwater pathway does not apply. Residential groundwater use is further assessed by evaluating the groundwater samples collected from the Site, discussed below in **Section 2.3.7.2**.

No other COCs were detected in vadose zone soils at concentrations greater than their respective RCG direct contact SLs. Because the results were low compared to the direct contact screening levels, figures showing SVOCs and metals in soil were not prepared.

2.3.3 2013 Soil Removal and Demolition Activities

After receiving the 2012 soil screening results Bon L decided to immediately excavate the soil impacted with VOCs greater than the excavation worker direct contact SLs. In February and March 2012, ERM supervised the following remedial excavations:

- At the former paint mix (AOC 4), paint booth (AOC 5), and paint dock (AOC 8), a combined 265 tons of xylene (and other non-halogenated solvents) impacted soil and piping was excavated from beneath the plant floor. The three areas shown on **Figure 12** were excavated to a depth of eight feet. Approximately 12,000 gallons of impacted groundwater was also collected during excavation dewatering activities. The waste soil and piping was transported to the Wayne

Disposal hazardous waste landfill in Belleville, MI for disposal as F003/F005 listed hazardous waste. The groundwater was treated using activated carbon and released to the sanitary sewer with special permission from IDEM and the local POTW. Sidewall and floor samples collected from the excavation were all below applicable IDEM screening levels. The excavations were backfilled with clean fill and the plant floor was restored with reinforced concrete.

- At the Former Maintenance Building (AOC 11), approximately 412 tons of TCE (and other related chlorinated compounds) impacted soil was excavated to a depth of eight feet. The excavated area is shown on **Figure 12**. The waste soil was transported to the Newton County solid waste landfill in Brook, IN for disposal as nonhazardous waste. Sidewall and floor samples collected from the excavation were all below applicable IDEM screening levels. The excavation was backfilled with clean fill.

Copies of the signed waste manifests are included in **Appendix H.**

The soil confirmation samples collected from the floors and side walls of each excavation are shown on **Figure 12**. Note that ERM assumed that the proximity of the approximately eight-foot deep footer, which supported the outer west wall of the original building immediately west of the excavated areas, need to finish would act to keep impacts limited to the east side of that wall. Also note that in some instances where earlier SI soil results delineated the excavated areas ERM simply measured PID results (e.g. AOC5-SWE and AOC5-5) rather than submitting the samples for laboratory analysis.

The confirmatory analytical results are summarized in **Table 9**, and the laboratory analytical reports are included in **Appendix J.** None of the COCs were detected at concentrations greater than their respective SLs. All of the 2012 soil sample locations which were found to exceed the excavation worker direct contact SLs were eliminated from the Site following the 2013 excavation activities.

2.3.4 *Additional Soil Investigation to Refine the CSM*

In March and June 2014 additional soil and groundwater samples were collected at the Site to provide the following information:

- Demonstrate that VOCs in the confining unit beneath the excavated source areas at AOC11 (Former Maintenance Building) and AOC19 (Former Incinerator) decreased to below the detection limit.

- To delineate the unknown source of the VOCs detected during March 2014 groundwater sampling at MW-31 at AOC8 (Exterior Paint Dock).

- Show that the BaP detected at concentrations greater than its residential direct contact screening level at AOC 21-1 (0-0.5 feet bgs) was limited to the vicinity of the employee parking lot.

- Assess the physical properties of the confining unit.

- Determine the natural oxidant demand of soil at the Site to evaluate the feasibility of using chemical oxidant for remediation.

Additional soil sampling was conducted in the same manner as described in Section 2.3.3.1, above. A total of 14 additional soil borings were completed, with 21 soil samples collected.

One boring, AOC19-12D2, was advanced to 60 feet. Samples were collected for analysis of VOCs from depths of 35′, 45′, 55′ and 58′. All VOCs were below detection limits, providing a line of evidence to show that VOCs in the most impacted shallow soil has not migrated appreciably into the underlying confining unit. Additionally, three 2-foot boring sections were collected to be analyzed for geotechnical parameters. These sections were taken from 38-40′, 48-50′ and 58-60′.

Former boring location AOC11-3, in the center of the Former Maintenance Building excavation, was extended to 26 feet and soil samples from 18-20′ and 24-26′ were analyzed for VOCs. At both intervals, all VOCs were below detection limits.

Former boring location AOC19-1, in the center of the Former Incinerator Pad impacted area, was extended to 20 feet and a soil sample from 18-20′ was analyzed for VOCs. All VOCs were below detection limits.

Soil borings AOC8-6 through AOC8-10 were completed in the north part of the Exterior Paint Dock. Soil sample results from those borings were all below the residential direct contact SL. It is possible that the source of the VOCs detected in soil in this area was derived from the trash compactor located several hundred feet across the asphalt paved area to the west-south west of the AOC8-6/MW-31 location. However, Bon L has no specific generator knowledge that TCE and other VOCs were historically stored or used at that location. The source of the TCE and other VOCs detected at that location is unknown and, therefore, cannot be derived from a RCRA listed source.

One surface sample, AOC21-3, was collected east of the employee parking area for analysis of SVOCs (PAHs only) and the results were all below the residential direct contact SL. The BaP detected AOC 21-1 location is likely the result of asphalt particles, and is not indicative of Site releases. Based on this information, and the fact that the BaP surface soil result at AOC21-

1 did not exceed the commercial-industrial SL, SVOCs will not be evaluated further at the Site nor is it expected to be included in the CNTS.

2.3.5 *Groundwater Impacts*

The groundwater analytical results are summarized in tabular form in **Tables 10 and 11.** Most of the groundwater samples were collected during the SI completed in 2012, but in March 2014 ERM installed monitoring wells MW-28 through MW-33 for use as messenger wells during future groundwater closure monitoring. During March 2014, ERM also resampled monitoring well MW-1 through MW-27. Based on the detection of VOCs at MW-31 in March 2014, ERM resampled MW-31 and collected discrete groundwater samples nearby (at AOC8-7, AOC8-8, and AOC8-10).

Groundwater monitoring wells were installed and sampled following the same procedures described in Sections 2.3.1.2 and 2.3.1.3, above; however, ERM used a submersible bladder pump to collect the samples instead of a peristaltic pump and the second set of containers collected for metals analysis were field filtered with an in-line 0.10 micron filter and preserved with nitric acid. Copies of the low flow sampling logs from the March 2014 sampling are included in **Appendix F**.

2.3.5.1 *VOCs Impacts*

A figure summarizing the horizontal extent of groundwater VOCs impacts at concentrations at the Site greater than the residential groundwater SLs is provided as **Figure 13**. NAPL has not been detected in any monitoring well or discrete groundwater sample. A discussion of the remaining VOC impacts greater than residential groundwater SLs is provided below, separated by area.

<u>Former Maintenance Building Plume</u>

Groundwater samples collected from AOC11-3, AOC11-4, AOC11-6, AOC10-6, MW-8, MW-26, and MW-33 contain concentrations of TCE, cDCE, and/or VC greater than residential groundwater SLs. The results of the samples collected from these locations indicates a plume stretching from the southeast corner of the Former Maintenance Building area northwest underneath the current plant building.

The source of the dissolved VOCs appears to be associated with the eastern end of the Former Maintenance Building where plant equipment was routinely taken for cleaning and servicing until the plant expansion in 2000, when the maintenance building was demolished. However, Bon L has no specific generator knowledge that TCE was historically stored or

used at that location. Therefore, the source of the TCE (and associated daughter products) at that location is unknown and cannot be derived from a RCRA listed source. Most of the source area was removed by excavation in 2013.

Former Incinerator Plume

Groundwater samples collected from MW-7 and MW-21 contain concentrations of TCE and/or VC greater than residential groundwater SLs. The results of the samples collected from these locations indicates localized plume a plume confined to the vicinity of the northern edge of the former incinerator pad.

Bon L has no specific generator knowledge that TCE was historically stored or used at that location. The source of the TCE (and associated daughter products) at that location is unknown and, therefore, cannot be derived from a RCRA listed source.

Paint Room Plume

Groundwater samples collected from AOC 4-1, AOC 5-2, AOC 8-1, MW-28, and MW-29 contain concentrations of xylene, ethylbenzene, MEK, and/or naphthalene greater than residential groundwater SLs. Groundwater samples collected from surrounding monitoring wells and discrete groundwater samples collected from temporary monitoring wells were below laboratory detection limits. Based on this information the horizontal extent of these groundwater impacts appears to be delineated.

The source of the VOCs in soil and groundwater was derived from the occasional use of non-halogenated solvents to clean paint from the floor in the painting areas. Based on generator knowledge, Bon L identified the spilled paint thinner as F003/F005 (non-halogenated solvent) RCRA listed hazardous waste. Most of the source area was removed by excavation in 2013.

Exterior Paint Dock Plume

Groundwater samples collected from MW-31 and AOC8-9 contained concentrations of TCE, VC, and/or 1,2-DCA greater than their respective residential groundwater SLs. Samples collected from nearby monitoring wells MW-11, MW-12, and MW-30, and from soil boring grab samples AOC8-7, -8, and -10 were below laboratory detection limits. Based on this information the horizontal extent of these groundwater impacts appears to be delineated.

It is possible that the source of the VOCs detected in groundwater in this area was derived from the trash compactor located several hundred feet across the asphalt paved area to the west-south west of the AOC8-6/MW-31 location. However, Bon L has no specific generator knowledge that TCE and other VOCs were historically stored or used at that location. The source of the TCE and other VOCs at that location is unknown and, therefore, cannot be derived from a RCRA listed source.

2.3.5.2 *SVOCs in Groundwater*

Naphthalene was the only SVOC or PAH detected at a concentration greater than the residential groundwater SL (see **Table 10**). During future groundwater monitoring at the Site, naphthalene will be addressed as a VOC.

2.3.5.3 *Metals in Groundwater*

Groundwater analytical results in **Table 11** show 14 different total metals detected above their respective residential groundwater SLs. Suspended sediment, which was documented to be elevated at most locations during the SI, was likely to have caused high-biased total metals results. To account for this bias, samples that contained a metal that exceeded a residential groundwater SL were also analyzed for dissolved metals. Only the following four metals exceeded the residential groundwater SL for both the total and dissolved results: As, Co, Mn, and V. The sample locations where both total and dissolved metals exceeded a residential groundwater SL are shown on **Figure 14**.

2.3.5.4 *Sub-Slab Soil Gas Impacts*

The SGss analytical results are summarized in tabular form in **Table 12**. Samples were collected from select SGss locations during March 2014. The analytical results from SGss samples SS-2, SS-3, SS-5 and their paired indoor air samples IA-2, IA-3, and IA-5 did not contain concentrations of COCs greater than their respective SLs during the March 2014 sample event.

2.4 *SUMMARY OF RISKS ASSOCIATED WITH THE SITE*

Based on the information presented above, the potentially complete exposure pathways and receptors are shown on the CSM diagram presented as **Figure 15**. The contaminants detected at the Site present the risks indicated below. In accordance with the Remediation Program Guide (RPG) and the RCG, certain risk management measures will be

implemented to prevent future on-site exposure. The risk management measures are discussed in **Section 3.0**, below.

2.4.1 Human Health

Given the industrial zoning of the property and the controlled Site access via fence and gates, there are no recreational users. There are currently no on-Site residents and the Site is anticipated to remain zoned as industrial indefinitely through the future execution of an ERC that will restrict future Site use to commercial/industrial. Impacts to surface water populations are unlikely, as there are no surface water bodies or wetlands on or adjacent to the Site.

Soil

Arsenic is the only COC that exceeded any residential direct contact screening level in a surface soil sample.

In subsurface soil in 2012, the excavation worker screening level was exceeded at several locations for several VOCs, but those issues were completely addressed in 2013 through soil excavation and offsite disposal. Currently at the Site, only TCE in subsurface soil at AOC19-1 (8-10′) exceeds a residential direct contact SL; it does not exceed the commercial-industrial SL.

Groundwater

There are numerous COCs and locations where groundwater concentrations exceed a residential groundwater SL (see **Tables and 11**) . Currently, there is no human exposure via ingestion of groundwater because impacts are confined within the POC and there are no potable wells at the Site.

The groundwater vapor intrusion SL for TCE, 1,2-DCA, and VC are exceeded at several locations, both within and outside the current footprint of the main plant building.

Indoor Air

Although VOCs in groundwater are greater than groundwater vapor intrusion SLs at several locations beneath the eastern part of the building, the paired SGss and IA soil gas sample results from March 2014 were below acceptable screening levels, indicating an incomplete pathway to indoor air.

2.4.2 *Environmentally Sensitive Areas and Endangered, Threatened, or Rare Species*

The Site is located within the Town of Kentland wellhead protection area; however, groundwater impacts (greater than residential groundwater SLs) are confined within the Site property boundaries.

The Baseline Ecological Assessment, discussed in **Section 2.1.2** above, indicates that the potential for endangered, threatened, or rare species or high quality natural communities within 0.5 mile of the Site is highly unlikely.

2.4.3 *Impact of Current and Future Land Use*

Land use at the Site is expected to remain commercial/industrial indefinitely. Bon L plans to ensure that future land use will continue to be commercial/industrial via implementation of an on-site ERC that will also prohibit the use of the on-site groundwater as a source of potable water.

2.5 *ADDITIONAL FIELD INVESTIGATION REQUIREMENTS*

A second round of vapor intrusion samples will be collected during the summer (July through mid-September) of 2015 to satisfy IDEM policy which specifies a minimum of two vapor intrusion sample events.

3.0 REMEDIATION PLAN

3.1 EVALUATION OF REMEDIAL OPTIONS

As allowed by current IDEM policy, potential remedial options may include active remediation options where COCs are reduced or eliminated or risk management options where COCs are left in place at the Site and any associated risks are managed through engineered controls or restrictive covenants. For this Site, a combination of both options was evaluated. Active remediation options considered are geared towards reduction of VOCs concentrations in groundwater.

The risk management options are geared towards controlling exposure to impacts detected on Site, including primarily VOCs and metals in soil and groundwater.

The following options were evaluated for this Site:

Active Measures:

- Removal: Soil excavation, soil vapor extraction (SVE) combined with air sparging (AS), and groundwater pump and treat.
- Treatment: In-situ chemical oxidation, in-situ enhanced biodegradation, and chemical injection for immobilization.
- Monitoring: Monitored Natural Attenuation (MNA)

Exposure Control Measures:

- Confirmation of plume behavior through monitoring.

Risk Management Measures:

- Future land-use restrictions: Prevent land use other than commercial/industrial and restrict on-site groundwater use.

A description of each potential measure considered is presented below.

Excavation — Excavation is the targeted removal via excavation of impacted soil and the proper transport and disposal of the excavated materials at an off-site location. At the Site, excavation was successfully implemented as an interim remedial action for the Paint Room, and Former Maintenance Building areas where soil concentrations of COCs

greater than excavation worker SLs and commercial-industrial direct contact SLs were remediated. The excavations also removed impacted soil from beneath the water table, thereby reducing the source of the groundwater plumes. A discussion of these excavations is included in **Section 2.3.4**, above. Addressing any remaining, less impacted, residual contaminant mass via excavation would not be cost effective.

Combined Soil Vapor Extraction (SVE) / Air Sparging (AS) – SVE consists of applying a vacuum to the unsaturated zone to enhance the volatilization of VOCs from soil. AS consists of injecting air into the saturated zone to strip VOCs from groundwater. The combined SVE-AS system removes VOCs from soil and groundwater and collects the vapors which are then treated. Due to low permeability of the unsaturated soils at the Site, the radius of influence of each well would be small and therefore a large number of wells closely spaced would be needed to implement this technology. Costs needed to overcome this restriction would be prohibitive.

SVE is an efficient technology for contaminant removal at sites with moderate to high permeability. Based upon the Site mean hydraulic conductivity of 6.05E-06 cm/sec, SVE becomes less efficient and would require close spacing of extraction well points. Further, the limiting factor at the Site is the relatively shallow depth to groundwater. The approximately four feet of vadose zone soil limits the vacuum that can be applied to extraction points before groundwater is pulled into the wells.

Due to the relatively low-permeability soils and high water table beneath the site, the ability for SVE to be a cost-effective remedy is diminished.

Groundwater Pump and Treat — Pump and treat is a process that consists of pumping groundwater to the surface for treatment to remove contaminants from the groundwater. A means for disposal of the treated groundwater is required and may include discharge to the municipal sewer or transport and disposal at a commercial facility. Installation of extraction wells or trenches would be required, as well as either an on-site treatment system or an agreement for treatment and disposal off-site. For the type of COCs at the Site, treatment may include air stripping for removal of the VOCs. The pump and treat option was not retained due to the high installation and operation costs considering the low permeability of the shallow water-bearing zone and relatively low VOC concentrations present.

In Situ Chemical Oxidation (ISCO) – In-Situ Chemical Oxidation (ISCO) involves the injection of chemical oxidants into contaminated media in order to convert hazardous contaminants to nonhazardous or less toxic

compounds. Oxidants most commonly employed to date include persulfate, permanganate, peroxide (Fenton's Reagent) and ozone. Each of these oxidants has demonstrated effectiveness in reducing the concentrations of chlorinated ethenes and ethanes in soil and groundwater. Based on ease of application, safety and effectiveness, persulfate and permanganate based oxidants have been more widely used of late. Fenton's Reagent (ferrous iron catalyzed hydrogen peroxide) can be thermodynamically unstable and can rapidly decompose in some soil environments. Ozone is a very highly reactive gas that requires specialized ozone generation equipment piping and controls. Ozone also has a very rapid decomposition rate in the soil matrix (minutes).

Permanganate and persulfate are more stable than peroxide and ozone, lessening the safety concerns with implementation. The reaction efficiency of permanganate is not significantly affected by pH within the range of pH values encountered in subsurface environments. The oxidant half-life in the subsurface is significantly longer (weeks compared to minutes or hours). Persulfate is a strong oxidant, has an advantage over permanganate in that is has less an affinity for natural soil organics, can persist in the soil-groundwater environment, and has a high solubility. Persulfate ion requires a catalyst to form the radical, which is highly oxidative. Ferrous iron is commonly used but may be limited by transportability in the subsurface as it is oxidized by the persulfate.

ISCO is most effective when conducted in highly-permeable soils. However, with a Site mean hydraulic conductivity of 6.05E-06 cm/sec, the effectiveness of ISCO would be significantly reduced. With such a low hydraulic conductivity, close spacing of injection points (5 feet spacing or less) would be required to produce favorable results. With the hydraulic conductivity limitation, ISCO is not a cost-effective remedy for the Site.

Enhanced Bioremediation (for chlorinated VOCs) – This option consists of enhancing the natural biodegradation of VOCs through injection of nutrients or carbon sources. The option to enhance the anaerobic biodegradation of chlorinated VOCs at the Site is feasible, as there is already some evidence in the form of TCE daughter products (cDCE and VC). The conditions are not optimal, however, in the three chlorinated compound source areas where dissolved oxygen ranged from 3.14 mg/L at MW-33 to 6.91mg/L at MW-8. Under optimal conditions for anaerobic biodegradation the dissolved oxygen concentration should be <1 mg/L. The bioremediation option for chlorinated VOCs was not retained because the elevated dissolved oxygen levels that would need to be overcome.

Biosparging (for petroleum hydrocarbons) – This option consists of enhancing the natural degradation of petroleum hydrocarbons (such as

xylene and ethylbenzene) VOCs through injection of oxygen. Oxygen is a common and abundant natural oxidant that is effective in reducing petroleum hydrocarbon concentrations. Most petroleum based hydrocarbon plumes are found to be depleted of oxygen due to the reaction of oxygen with the petroleum hydrocarbons. With biosparging, the oxygen injection rate is such that the addition of oxygen promotes natural biodegradation processes but does not create an air sparging effect.

Biosparging is considered for the Paint Room Plume, where petroleum hydrocarbon levels are elevated. Due to the depressed dissolved oxygen and oxidation-reduction potential readings at monitoring wells MW-28 and MW-29, where elevated ethylbenzene and xylenes are detected, it is apparent that aerobic biodegradation is already occurring and may be amenable to enhancement through the injection of oxygen (air) into the subsurface. Increasing the oxygen concentration within the Paint Room Plume would accelerate the biodegradation of petroleum hydrocarbons in this area.

Monitored Natural Attenuation (MNA) – Select site monitoring wells will be sampled quarterly for the applicable COCs (depending on the specific area of the Site) and several monitored natural attenuation parameters to evaluate the progress of the natural attenuation process. With source material removed, MNA is a viable alternative to address low-level groundwater impacts.

Plume Stability Monitoring — Site monitoring wells would be sampled quarterly for a minimum of one year to determine the stability of the groundwater plume. Groundwater samples would be analyzed for the VOCs and metals listed in **Table 2**.

Risk Management — An ERC for the Site would be implemented that will restrict future land uses sufficiently to limit exposure to any residual COCs at the Site.

- Restrict land use other than commercial/industrial, and
- Prohibit on-site groundwater use for potable purposes.

3.2 *SELECTED REMEDIATION TECHNOLOGIES*

MNA

Due to the low-level groundwater impacts at the Former Maintenance Building, Former Incinerator, and Former Exterior Paint Dock, MNA will be implemented to address remaining groundwater impacts in these areas. With the majority of remaining groundwater impacts less than five times the applicable residential SL, MNA is an efficient and sustainable approach to remediation for the following reasons.

1) Source material, through soil excavations, has been removed from the Site. There is no continuing source to groundwater.

2) There are few current groundwater concentrations that exceed the industrial standard. This property is currently zoned industrial and will remain industrial through a future environmental covenant. While residential SLs are being used to gauge site cleanup, industrial standards are more applicable to the Site.

3) Groundwater modeling (BIOCHLOR) has demonstrated that with current groundwater conditions and no remediation, groundwater beyond the downgradient property boundary will not be impacted above residential SLs.

Groundwater concentrations of the constituents exceeding residential SLs and MNA parameters will be used to evaluate the progress of the MNA process. With evidence of stable to decreasing constituent concentrations, MNA will continue throughout the six-quarter monitoring period.

Monitoring

One of the key elements to MNA is monitoring. Groundwater concentrations and MNA parameters must be monitored to ensure that groundwater concentrations are moving in the desired direction. Groundwater concentrations will be monitored during the proposed six-quarter monitoring period. In addition, the following MNA parameters will be monitored to monitor groundwater conditions are favorable for continued MNA to occur:

1) methane, ethane and ethane,
2) nitrate, sulfate and chloride,
3) dissolved organic carbon,
4) ferrous iron,

5) alkalinity, and
6) sulfide.

Biosparging

Biosparging is the selected remedy for the Paint Room Area. More significant groundwater concentrations are evident in this area as compared to the other areas of the Site. Although groundwater modeling indicates that no offsite groundwater would be impacted above groundwater SLs with existing groundwater concentrations, Bon L proposes to perform biosparging to remove contaminant mass. Biosparging was selected as the remedy for the following reasons.

1) The low dissolved-oxygen levels in the Paint Room area indicates that natural aerobic degradation is occurring and is the reason that the subsurface is oxygen deficient, and
2) Petroleum hydrocarbons such as ethylbenzene and xylenes are amenable to biodegradation in aerobic conditions.

The length of time needed to remediate groundwater via aerobic biodegradation is shortened by introducing oxygen to the subsurface. The addition of oxygen as an electron acceptor can help indigenous bacteria to more effectively reduce petroleum hydrocarbon concentrations.

At the Bon L Site, twenty (20) injection wells will be installed within the footprint of the Paint Room plumes at the locations shown on Figure 17. Due to the low-permeability soils present at the Site, the proposed injection point spacing is approximately ten (10) feet. The one-inch diameter PVC injection wells will be screened from four to fourteen (14) feet below the floor of the building near the backfilled excavations. Air (21% oxygen) will be delivered to the subsurface through the use of a rotary lobe blower with air injection rates of approximately 0.25 to 0.50 cubic feet per minute (cfm) per well. This injection rate should ensure that natural biodegradation processes are increased without creating an environment for air sparging. Progress of the remedy will be monitored during the six-quarterly monitoring events.

3.3 MONITORING AND SAMPLING PLAN

3.3.1 Groundwater Closure Monitoring

A baseline groundwater sampling event will be completed prior to completing any of the remediation activities listed above. This data will be submitted to IDEM in a brief technical memorandum. In the event that

the baseline data contraindicates the remedies described herein, alternate recommendations will be detailed in the technical memorandum.

Three months following completion of the remedial activities proposed above, the first of six quarterly closure monitoring events will be completed. The purpose of the closure sampling will be to show the following:

1. The residential groundwater SLs for VOCs and metals are not exceeded at the sentinel wells (and by extension not at the POC either).

2. Concentrations of VOCs and metals within the interior portion of the Site are stable.

The 13 groundwater monitoring locations shown on **Figure 18** have been selected based on where the VOCs concentrations have been detected above the residential groundwater SLs. The justification for the selection of the VOCs groundwater closure monitoring locations, using terminology in Chapter 4 of the RCG, is as follows:

- Former Maintenance Building Plume
  Source Messenger Well: MW-8
  Other Messenger Wells: MW-26, MW-33
  Sentinel Well: MW-14
  Background Well: MW-1

- Paint Room Plume
  Source Messenger Wells: MW-28 and MW-29
  Sentinel Well: MW-30
  Background Well: MW-1

- Exterior Paint Dock Plume
  Source Messenger Well: MW-31
  Sentinel Well: MW-12
  Background Well: MW-1

- Former Incinerator Plume
  Source Messenger Well: MW-7
  Other Messenger Well: MW-21
  Sentinel Well: MW-20
  Background Well: MW-1

The locations where individual metals concentrations are elevated in groundwater do not form discernable groundwater plumes; however, as

shown on **Figure 14**, the exceedances of the residential groundwater SLs do appear to be associated with certain areas of the Site. The following 11 groundwater monitoring locations have been selected for documenting total metals concentrations during closure monitoring (see **Figure 19)**: MW-1, MW-5, MW-10, MW-11, MW-12, MW-13, MW-16, MW-17, MW-20, MW-25, and MW-27. Monitoring well MW-21 was not included due to its very low yield.

All groundwater samples will be collected using a bladder pump and IDEM low flow purging protocols in Nonrule Policy Document Waste-0057-NPD. During purging and sampling, the following field parameters will be recorded on field sampling forms: temperature, specific conductivity, pH, oxidation reduction potential, dissolved oxygen, and turbidity. Groundwater samples will be analyzed for the VOCs and/or metals as specific in the shown in **Table 2.** Closure samples will be analyzed by Analytical Environmental Services (AES) Inc. of Atlanta, Georgia.

If groundwater concentration trends are found to be increasing by linear regression statistical testing after six quarters of monitoring, an additional quarter of monitoring will be added, as specified in the contingency plan in **Section 5.0**.

Following the collection and evaluation of the final completion samples, Bon L will submit a Remediation Completion Report (RCR) and Record of Site Closure (RSC) to IDEM that will summarize the closure monitoring results and then formally request site closure. The contents of the RCR will generally adhere to the requirements indicated in Section 8.10 of the RPG.

3.3.3 Data Documentation and Progress Reporting

Data generated during groundwater closure monitoring will be presented quarterly in progress reports to IDEM. The progress reports will follow the following basic outline:

I. Introduction

A. Project Identification

- Site name, facility identification number(s), mailing address, and telephone numbers.
- Site location clearly marked on appropriate U.S. Geological Survey 1:24,000 scale topographic quadrangle map.

- Current owner and operator, mailing address, and telephone number.

- Site contact person or group responsible for the investigation.

- Sampling and monitoring dates.

II. Regularly Scheduled Sampling Events

A. Data tables, electronic data deliverables, and laboratory reports from current and previous sampling events.

B. Recommendations concerning need for additional sampling events, including the following:

- Continued sampling if closure criteria have not been achieved.

- Final groundwater completion sampling if the data proves stable to decreasing and the plume does not extend beyond the exposure control area. This will include a completion sampling plan, completion sampling locations, and completion sampling schedule. The VRP project manager will be notified well in advance of this completion sampling event in order to discuss the plan and to allow IDEM to collect split completion samples, if desired.

3.3.4 Site Health and Safety Plan

Remedial activities at the Site will be, performed in accordance with the Amec Foster Wheeler site-specific Health and Safety Plan (HASP), which is included as **Appendix K** to this report.

3.3.5 Quality Assurance Project Plan

All future sampling activities at the Site will be completed in accordance with the quality assurance procedures outlined in the Quality Assurance Project Plan (QAPP), included as **Appendix L**.

3.4 RISK MANAGEMENT

3.4.1 Soil

As indicated above exposure control was achieved through the excavation of soil containing COCs greater than their respective 2012 RCG excavation

worker SL. No COCs remain in on-site surface soils at concentrations greater than their respective RCG SLs.

3.4.2 *Groundwater*

As outlined in Section 9.6 of the RCG, if appropriate exposure controls are in place and the CSM sufficiently demonstrates that the plume will not extend beyond those controls, then groundwater closure is possible even if groundwater sample results exceed remedial objectives.

ERM developed a strong line of evidence using USEPA's numerical model known as BIOCHLOR to show that the low levels of residual VOCs in groundwater currently will not lead to an exceedance of residential groundwater SLs at the property line, and therefore is not a threat to receptors beyond the property line, such as the Town of Kentland well field.

BIOCHLOR is versatile in its ability to simulate a variety of decision options, based upon Site conditions. In presenting the following lines of evidence, ERM used the more conservative approach of options, such as in the use of a continuous source concentration as opposed to a decaying source term. The use of a continuous source term is conservative since Bon L has taken action to remove highly impacted source material by excavation within the three following source areas:

Former Maintenance Building (AOC11),

Former Incinerator (AOC19), and

Exterior Paint Dock (AOC8).

ERM plotted the log of CVOC concentrations with distance down gradient from the Site source areas, where sufficient monitoring well sample results were available. A Site-specific attenuation factor was determined for the principal CVOCs and used for further evaluation using the BIOCHLOR model.

3.4.2.1 *Lines of Evidence: Log-Linear Trendline*

ERM plotted the logarithm of the concentrations of TCE, cDCE and VC versus distance from the Former Maintenance Building source area using concentrations in monitoring wells MW-8, MW-26, MW-33 and MW-14 along the centerline of the plume depicted in **Figure 13**. To be conservative, ERM used the maximum concentration between the two available sampling dates, namely the fall of 2012 and the spring of 2014.

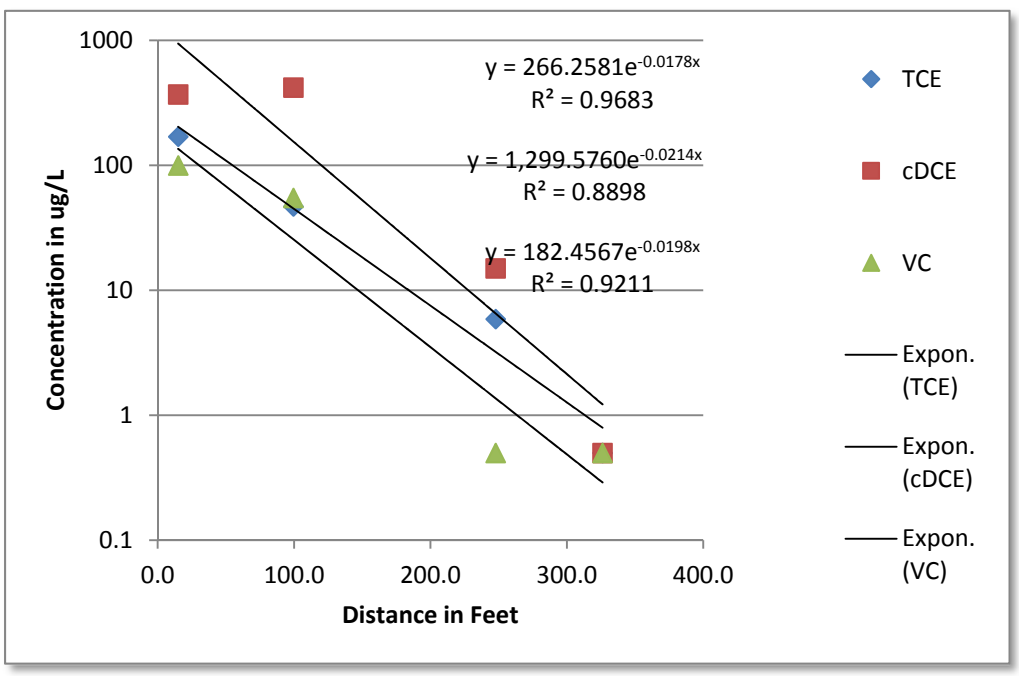
The following table lists the dates sampled and the maximum concentration used in the following analysis.

Analytical Data Used to Evaluate AOC11 Maintenance Area Plume (in ug/L).

Well	2012 Data			2014 Data			Maximum Conc. Data		
	TCE	cDCE	VC	TCE	cDCE	VC	TCE	cDCE	VC
MW-8	120	130	22	170	370	100	170	370	100
MW-26	47	420	55	0.5	54	16	47	420	55
MW-33	No Sample	No Sample	No Sample	5.9	15	0.5	5.9	15	0.5
MW-14	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Represents 1/2 the laboratory detection limit.

Plots were generated as the log of the concentration versus linear distance from the Maintenance Building source area. For sample results below a detection limit, one-half the detection limit was used in the trend plot. An exponential trend equation was generated by Excel in the form $C = C_o*e^{-kx}$ where C is the concentration at any distance (x) down gradient from the source area where the source area initial concentration is taken to be C_o, and k is the attenuation factor.



The exponential trend lines and associated equations indicate a decreasing concentration plume with distance down gradient from the source area. Monitoring well MW-8 was arbitrarily considered to be 15 feet down gradient from the source

From the above, the predicted source area concentration (C_o) at the Maintenance Building is [TCE]: 266.3 ug/L; [cDCE]: 1,299.6 ug/L; and [VC]: 182.5 ug/L.

The "Goal Seek" option in Excel was used to determine the distance down gradient of the source area where the ground water residential groundwater SL is met. These distances are:

TCE (5 ug/L): 218 feet

DCE (70 ug/L): 136 feet

VC (2 ug/L): 216 feet

As indicated, the greatest distance down gradient of a standard exceedance is TCE at a distance of 218 feet from the Maintenance Building source area. The location of this distance is approximately 108 feet south of monitoring well MW-14.

Using this same logic and assuming the same degradation constants, ERM predicted the down gradient concentration of TCE, DCE and VC emanating from the Former Incinerator area as follows:

Source Concentration of TCE: 51 ug/L from MW-7 (AOC-19-1)

Source Concentration of DCE: 702 ug/L from MW-7 (AOC-19-1)

Source Concentration of VC: 5.8 ug/L from MW-7

Constructing similar exponential decay equations yields:

$$[TCE] = 0.051e^{-0.0178x}$$

$$[DCE] = 0.0702e^{-0.0214x}$$

$$[VC] = 0.0058e^{-0.0198x}$$

Using the Goal Seek option in Excel, the distance down gradient where the residential groundwater SLs are met for each of these constituents is:

TCE (5 ug/L): 130 feet

DCE (70 ug/L): <1 foot

VC (2 ug/L): 55 feet

The greatest distance down gradient from the incinerator source area is 130 feet, approximately at a location near the fence line just north of the former propane tanks and approximately 60 feet short of the northern property line.

Plotting the trend of the log constituent concentration versus linear distance incorporates all of the advective, dispersive and attenuative processes taking place in the Site subsurface. As a check against this trend line, ERM evaluated the results of hydraulic conductivity testing, calculation of horizontal hydraulic gradient and estimated porosity to predict the likelihood of a non-reactive tracer to migrate beyond the property line due to a release from a similar source-area location described above.

The mean horizontal hydraulic conductivity at the Site was determined to be 6.05E-05 cm/sec (0.172 ft/day), and a mean hydraulic gradient of 0.0259 ft/ft. With an estimated porosity of 21.5%, by Darcy's formula (V = Ki/n), an average linear ground water velocity was determined to be 0.022 ft/day (7.5 ft/year). If a continuous tracer was released at a source area consistent with the Maintenance Area in 1972 (the year the main building was constructed) the travel distance over this 42-year time period would be approximately 315 feet.

The observations of VOC concentrations from sampling events in October 2012 and in March 2014 are consistent with the distribution of VOCs released from the Maintenance Area source.

3.4.2.2 *USEPA's BIOCHLOR Model*

ERM used the USEPA's spreadsheet model BIOCHLOR to further evaluate the fate and transport of VOCs released from the Site. BIOCHLOR is a Microsoft Excel® one-dimensional model based upon the formulation by Domenico.

The spreadsheet is relatively straight-forward in its design, data entry and interpretation of results. The following narrative describes each of the input sections of the model with justification of each input value. A discussion of results follows this narrative.

Model Input Section 1: ADVECTION

As discussed previously, the horizontal groundwater seepage velocity was calculated as 7.5 ft/yr, based upon a horizontal hydraulic conductivity of 6.1E-05 cm/sec, hydraulic gradient of 2.59E-02 ft/ft, and an effective porosity of 21.5 percent. Porosity was estimated based upon a mean confining unit moisture content of 21.5% and assumed saturated conditions. This value is also consistent with the porosity used for determining wellhead protection by Ortman Drilling (2000). Total porosity and effective porosity in this water-bearing unit are assumed identical.

Model Input Section 2: DISPERSION

Dispersion of the VOC plume is due primarily to the ability of the water-bearing units to cause a spreading of the plume. ERM chose to use the modified calculation of Xu and Eckstein wherein the estimated plume length of 218 feet was entered and a longitudinal dispersion coefficient of 11.677 was calculated. Transverse dispersivity is assumed to be 1/3 of the longitudinal, and the vertical dispersivity is assumed to be 1/20 of the longitudinal dispersivity.

Model Input Section 3: ADSORPTION

Adsorption is reflected in the calculation of a retardation factor (R) from measured parameters soil bulk density, porosity, fraction organic carbon and organic partition coefficient (Koc). Mean bulk density was determined from three site samples as 1.6 gm/cc. A fraction of organic carbon content was measured using samples from four locations with a mean value of 0.0088 gm/gm. Porosity of 21.5 percent, as explained above was used in calculating R. Finally, default values of Koc were obtained from two sources of material, USEPA and Illinois Environmental Protection Agencies Tiered Approach to Corrective Action Objectives. The values used in the model are for TCE (94 L/kg), cDCE (52 L/kg), and VC (19 L/kg). A median retardation factor of 4.41 is calculated by the model.

Model Input Section 4: BIOTRANSFORMATION

First-order decay coefficients were calculated based upon the method by Buschek and Alcantar, using the distance-concentration data entered into Section 7 (below). This became a starting point in the model and coefficients were then adjusted to fit the model predictions to the sample data.

Model Input Section 5: GENERAL

ERM used a simulation time of 1,000 years to simulate steady-state conditions, a modeled area width of 250 ft and a modeled area length of 500 feet. The magnitude of these length terms is arbitrary and adjusted during model simulations to better define the resulting concentrations at specific down-gradient distances. The model width is only used if a determination of concentrations is desired at locations side-gradient of the plume centerline.

Model Input Section 6: SOURCE DATA

The source options in the model are Constant/Continuous or Decaying. ERM initially used the constant/continuous model because this solution has a more conservative result than a decaying source term. A secondary option within the constant/continuous model allows the user to select a single/planar source. This option models the source as a single plane of constant concentration. This option is more conservative and the model documentation recommends this approach for centerline simulations. ERM used a source width of 25 feet and the constant, source area concentrations provided as follows:

TCE = 266.3 ug/L

cDCE = 1,299.6 ug/L

VC = 182.5 ug/L

A second option is to model a spatially variable source term. This option allows three different concentrations in the source area to simulate a source zone where the concentration varies perpendicular to groundwater flow. This option is used to evaluate off-centerline concentrations. ERM did not evaluate this option.

Model Input Section 7: FIELD DATA FOR COMPARISON- (AOC11 Maintenance Building Release)

For the Former Maintenance Building release ERM used VOC concentration data from monitoring wells MW-8, MW-26, MW-33 and MW-14, all located approximately along the plume centerline. The following data were used. Source area concentrations were predicted from the log concentration versus distance plots and regression equations presented above.

Constituent	Source Area	MW-8 (15 ft)	MW-26 (100 ft)	MW-33 (248 ft)	MW-14 (326 ft)
TCE	266.3	170	47	6	0.5 (nd)
cDCE	1,316	375	420	17	0.5 (nd)
VC	183	100	55	4	0.5 (nd)
Note: concentrations are micrograms per liter (ug/L). nd = not detected.					

Model Input Section 8: SIMULATIONS- AOC 11 Maintenance Building Source Area

The model-predicted plume centerline was evaluated and compared to field data. The "No Degradation" plot shows a relatively good fit to field data but the sequential 1st order decay line deviates from the field data indicating that degradation rates are too high. As indicated in Section 4, biotransformation data were estimated using the field data and the method by Buschek and Alcantar. ERM adjusted each 1st order decay coefficient by increasing the half-life to match the field data. The initial and adjusted 1st order half-lives are presented here:

Constituent	Initial half-life (years)	Adjusted half-life (years)
TCE	4.25	20
DCE	3.466	15
VC	4.501	4.5

Under a constant source term and steady-state simulations, the model predicts that the TCE plume is attenuated within 450 feet from the source area (Former Maintenance Building) under a no-degradation scenario, but 250 feet when influenced by the attenuation factors prevalent at the Site. If the model is changed to a decaying source term (half-life of 25 years), the plume rapidly degrades within 50 feet of the source area.

Model Input Section 8: SIMULATIONS- AOC19 Incinerator Area Release

The Former Incinerator, located near the northeastern portion of the Site was the discovered source area for VOCs, particularly in samples collected from monitoring well MW-7. Using the MW-7 VOC concentrations representative of the Incinerator source area, ERM prepared simulations to determine the down gradient extent of these compounds. The incinerator source area concentrations are therefore:

Well	TCE	cDCE	VC
MW-7	51	70.2	1.4
Note: All concentrations are micrograms per liter (ug/L).			

Keeping all other parameters the same except for changing the model back to a constant source, BIOCHLOR simulations were performed with the following results. TCE concentrations are at the residential groundwater SL (5 ug/L) after 120 feet down gradient; cDCE below the residential groundwater SL (70 ug/L) after 20 feet; and VC is not exceeded at MW-7.

Model Input Section 8: SIMULATIONS- AOC8 North of Exterior Paint Dock

Monitoring well MW-31, located in AOC8 revealed the following VOCs:

Date	TCE	cDCE	VC	1,2-DCA
3/26/2014	9.8	26	7.5	54
4/9/2014	7.2	30	10	120
Note: All concentrations are micrograms per liter (ug/L).				

Using TCE, cDCE and VC as source area concentrations, BIOCHLOR was used to determine the distance, down gradient where these concentrations would be less than their respective residential groundwater SL. ERM used the same input parameters as used in the previous scenario (seepage velocity, etc.), and dispersion calculated as 10% of the distance between MW-31 and the property line (approximately 270 feet) and therefore 27 feet.

TCE concentrations are at the residential groundwater SL after 20 feet down gradient; cDCE below the residential groundwater SL at the source area, and VC concentrations are at the residential groundwater SL after 60 feet down gradient. These simulations indicate that the source area VOC concentrations associated with AOC8 (north of the Paint Dock) are protective of the residential groundwater SL within 35 feet down gradient, and well within the property boundaries of the Site.

Simulations of 1,2-DCA were modeled using a default 1st-order decay coefficient of 1.2 /yr, Koc of 17 L/kg, and a source area concentration of 0.054 mg/L yields a reduction of the plume to the residential groundwater SL (5.0 ug/L) at a distance of 58 feet. At a 1,2DCA concentration of 120 ug/L, the residential groundwater SL is met at a distance of 145 feet. This distance is south of the property line a distance of approximately 120 feet.

Model Input Section 8: SIMULATIONS –Vertical Migration to the Iroquois Basin Aquifer

Geotechnical testing of deep till samples revealed a mean laboratory-derived vertical hydraulic conductivity (K_z) of 3.01E-06 cm/sec. This value represents approximately 1/20th of the average horizontal hydraulic conductivity. Therefore, ERM simulated a vertical migration using the BIOCHLOR model by inputting the average vertical hydraulic conductivity in lieu of the horizontal conductivity. The vertical hydraulic gradient was determined by obtaining a mean static water elevation of the Iroquois Basin Aquifer from nearby private wells, and comparing the Iroquois Basin Aquifer hydraulic head to the unconfined, near-ground surface hydraulic head. The mean static water elevations for the area surrounding the Site were obtained from the Indiana Well Records Database and searched by topographic quadrangle (Kentland and Sheldon) and Township 27N. The database can be viewed at

(https://secure.in.gov/apps/dnr/dowos/AdvancedSearch.aspx).

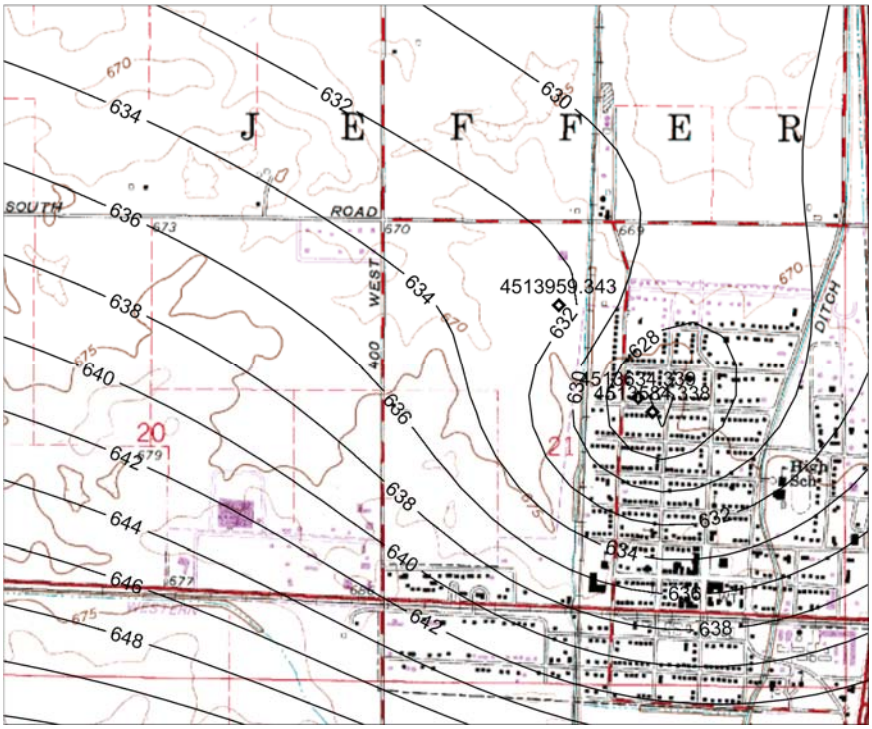
The Site mean static water level elevation from the March 2014 monitoring event is 676.16 feet. The contoured Iroquois Basin Aquifer static water elevation beneath the Site obtained from private and public well records is 642 feet as shown in the figure below. The depth to the aquifer sand and gravel unit is approximately 595 feet. The vertical gradient is therefore approximately

$$i_z = dh/dl = (676.16 - 642)/80 = 0.427 \text{ ft/ft.}$$

The vertical seepage velocity (v_z) is therefore ($v_z = K_z i_z/n$):

$$v_z = 3.0E\text{-}06 * 0.427 / 0.215 = 5.96E\text{-}06 \text{ cm/sec } (= 6.2 \text{ ft/yr})$$

Portion of Piezometric Surface of Iroquois Basin Aquifer System based upon Well Records



Note: Contour interval is 2 feet.

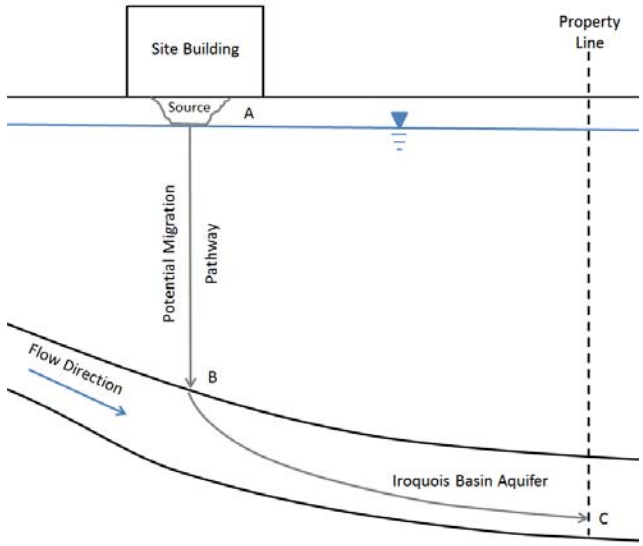
Using the base case source area concentrations at the Maintenance Building, a constant source term and K_z and i_z as explained above, VOCs enter the Iroquois Basin Aquifer at a depth of 80 feet below land surface. The following resulting concentrations indicate little if any difference between the non-degradation and 1st-order decay scenarios:

	TCE	cDCE	VC
Non-Degradation	40 ug/L	200 ug/L	28 ug/L
1st-Order Decay	26 ug/L	119 ug/L	27 ug/L

ERM simulated the vertical migration of VOCs using a decaying source term with a source term half-life of 30 years. Under this scenario, TCE breakthrough occurs at a maximum concentration of 16 ug/L after a simulation time of 60 years with cDCE at 80 ug/L and VC at 11 ug/L.

3.4.2.3 *Inverse Modeling Approach*

An inverse modeling approach was performed to determine the concentration of VOCs remaining in the source area that would be protective of the residential groundwater SL at the property line POC in the Iroquois Basin Aquifer as depicted in the diagram below.



The starting point of the inverse model is at "C" in the figure above. At this point, the residential groundwater SL is to be met. Model parameters are then adjusted to determine the maximum concentration at "B" protective of the residential groundwater SL at "C". ERM used the following parameters representing the Iroquois Basin Aquifer from published sources:

Parameter	Value	Units	Source of Information
Aquifer hydraulic conductivity	175	ft/day	(a)
Porosity	25	Percent	(a)
Fraction organic carbon	0.002	Unitless	(b)
Aquifer hydraulic gradient	0.0034	ft/ft	(c)
Longitudinal dispersivity	19	ft	Default of 0.1x where x is plume length (190 feet).

(a) Wellhead Protection Area Delineation for Town of Kentland, IN. Ortman Drilling, 2000
(b) Indiana RISC default value.
(c) Regional gradient measured from static water levels recorded in public and private well records.

The property boundary down gradient from MW-7 is at a distance of approximately 190 feet. By first entering 190 feet into the length term of

the model and adjusting the source strength, a maximum continuous source TCE concentration at "B" can be determined protective of the residential groundwater SL within the Iroquois Basin Aquifer at the property boundary. The continuous source term TCE concentration under this scenario is 125 ug/L under a no-degradation simulation.

The second step of the inverse modeling approach is to determine at what source area concentration at "A" will be protective of the TCE concentration of 125 ug/L at "B". Changing the BIOCHLOR input parameters to simulate migration through the Wisconsin Glacial Till results in a source area TCE concentration of 840 ug/L. This value exceeds the measured concentration of TCE in the March 2014 sampling event. Therefore, based upon this approach, the concentration of TCE measured in MW-7 in March 2014 (9.6 ug/L) is protective of the residential groundwater SL in the Iroquois Basin Aquifer at the property line. Similarly, cDCE and VC were modeled to determine residual concentrations in the source area that would be protective of the residential groundwater SLs in the Iroquois Basin Aquifer at the property line. The results are as follows (assuming a constant source concentration):

Constituent	Concentration at "C"	Concentration at "B"	Concentration at "A"
TCE	5 ug/L	125 ug/L	840 ug/L
cDCE	70 ug/L	1,650 ug/L	11,050 ug/L
VC	2 ug/L	50 ug/L	330 ug/L

Each of the modeled concentrations at "A" are above the results of laboratory analysis for the sample drawn from MW-7 in March 2014. Therefore, the remaining concentrations of VOCs found in the incinerator source area are predicted to be protective of the residential groundwater SLs at the property line in the Iroquois Basin Aquifer.

3.4.2.4 *Modeling Conclusions*

- Results indicated that horizontal migration of VOCs from each of the three source areas will not exceed any residential groundwater SL at the POC.

- Modeling of VOC migration on the vertical plane from near-surface source areas down to the Iroquois Basin Aquifer indicates an exceedance of most of the VOCs directly beneath the Site. However, simulations that include horizontal migration of these modeled concentrations toward the property line in the Iroquois

Basin Aquifer indicate that the residential groundwater SLs are not exceeded at the POC.

- Inverse modeling performed by starting at the property line and iteratively determining a source-area concentration within the Iroquois Basin Aquifer (directly beneath the shallow source area) that would be protective to residential groundwater SLs at the POC indicated that Site source area concentrations would need to exceed 840 ug/L TCE, 1,105 ug/L cDCE and 330 ug/L VC to exceed a residential groundwater SL in the Iroquois Basin Aquifer at the POC. Actual concentrations of these VOCs measured in shallow groundwater in the three source areas are much less than these values.

- Site-specific modeling completed by ERM using BIOCHLOR provides a conservative line of evidence that the concentrations of VOCs present in shallow groundwater at the Site are too low to lead to a future exceedance of a residential groundwater SL at the POC in either the shallow water-bearing zone or within the Iroquois Basin Aquifer.

3.4.3 *Vapor Intrusion*

As outlined in Section 10.5 of the RCG, a single sample result above or below a screening level does not provide sufficient evidence of pathway evaluation. A minimum of two paired indoor air and SGss samples are required to determine if the pathway is complete or incomplete. The RCG recommends collecting the samples during two different time periods to account for seasonal variability (mid-November through March and July through mid-September). The analytical results from the first set of paired samples collected during the cool months (mid-November through March) indicates that TCE is present at one location (SS-5) at a concentration greater than the attenuated commercial/industrial indoor air SL; however, the analytical results of the paired indoor air sample (IA-5) did not contain a detectable concentrations of TCE.

Additional vapor samples will be analyzed for the TO-15 volatile organics listed in **Table 2** by Pace Analytical Services, Inc. in Minneapolis, Minnesota.

3.4.4 *Environmental Restrictive Covenant*

As part of the risk management onsite, Bon L will place an Environmental Restrictive Covenant (ERC) on the site. This ERC will include the following restrictions:

- Shall not use or allow the use of the Site for residential purposes, including, but not limited to, daily child care facilities or education facilities for children.

- Shall not use or allow the use or extraction of groundwater at the Site for any purpose, including, but not limited to: human or animal consumption, gardening, industrial processes, or agriculture, except that groundwater may be extracted in conjunction with environmental investigation and/or remediation activities.

- Shall not construct or allow occupancy of a dwelling or work space on the Site in the areas indicated on **Figure 20** unless a vapor mitigation system is installed, operated, and maintained within the dwelling or work space. IDEM may waive this restriction in writing if the Owner has provided data and analysis demonstrating to IDEM's satisfaction that there is no unacceptable risk to human health via the vapor intrusion exposure pathway.

These restrictions will apply until they are shown not to be necessary to IDEM's satisfaction. A draft ERC for the Site is presented in **Appendix M**.

3.5 PROJECT WORK SCHEDULE

The following details a tentative schedule for implementation of the Revised RWP. It is expressed in terms of the anticipated duration of each task starting from the date of submittal of the Revised RWP to IDEM. The schedule below may change depending on issues such as weather or unexpected site-specific conditions.

Activity	**Time to Completion**
Submit Revised RWP	May 14, 2015
Public notice and comment period	After technical approval of the Revised RWP by IDEM. The comment period will last 30 days.
Implement remedial activities	3rd Quarter 2015
Groundwater closure monitoring	2016 and 2017
Remediation Completion Report	90 days following the groundwater completion sampling.
ERC recorded and well abandonment	30 days from IDEM technical approval of RCR.
Closure (Certificate of Completion from IDEM VRP and CNTS from Governor's Office)	30 days from IDEM receipt of ERC recording and well abandonment documentation.

4.0 COMMUNITY RELATIONS PLAN

Upon completion of IDEM's internal technical review, a copy of the Revised RWP will be made available for review in the Kentland Public Library located at 201 East Graham Street in Kentland, Indiana. A public notice of the availability of the Revised RWP and its location will be placed in the classified section of the Newton County Enterprise newspaper. It is assumed that IDEM will implement these activities; however, Bon L will support IDEM's community relations activities at the request of the IDEM project manager. If requested, a public meeting may be held to address any questions or comments. A mailing list with the names and addresses of the Town of Kentland water department, town mayor, local newspaper, Newton County health department, house representatives, and senators is provided in **Table 13**.

If public inquiry requires additional information on the planned corrective action, Bon L will develop a Community Relations Plan in accordance with the IDEM RCG. If needed, the Community Relations Plan will include a notice and format of public meetings, preparation of information packages, and the identification of the types of public media to be used.

5.0 CONTINGENCY PLAN

If the groundwater plume is found to be expanding after the six- quarter closure monitoring period specified in the Revised RWP, then one additional quarter of sampling will be added. The most recent six quarters of data will be reassessed for statistical stability.

A reduction in the list of specific COCs being analyzed for may be implemented to remove COCs that have not exceeded applicable standards and the list of wells being sampled may be reevaluated and reduced.

6.0 REFERENCES

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FIGURES

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- Figure 4 Investigation Locations
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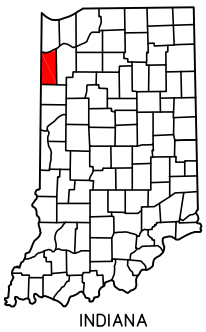
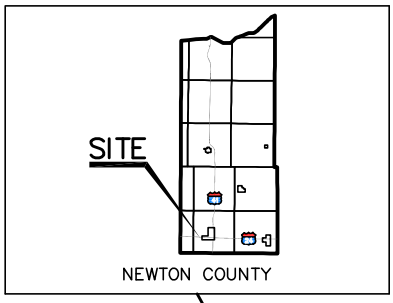
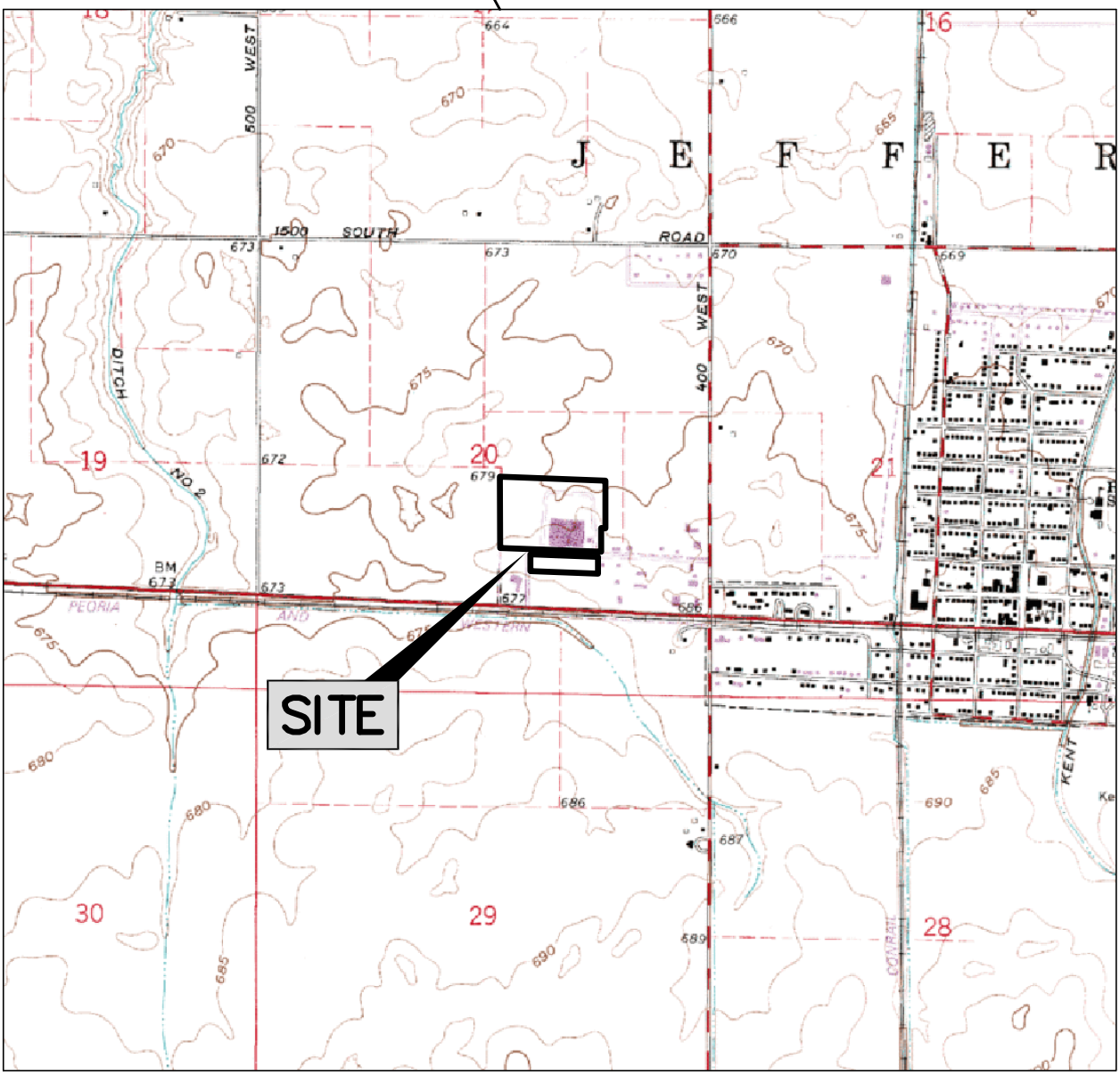




SECTION 20
T.27N. – R.9W.
CITY OF KENTLAND
NEWTON COUNTY
INDIANA



SITE LOCATION MAP

ADAPTED FROM USGS
KENTLAND/1987

REVISIONS ARE TO BE MADE ON THE CADD FILE ONLY

ERM®	**BON L MANUFACTURING** 508 WILSON STREET KENTLAND, INDIANA	CADD Review RMK CHK'D AA 0176054
Drawn By GML 4/25/14	Environmental Resources Management	FIGURE 1

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SITE LAYOUT MAP

LEGEND

SS	SANITARY SEWER
D	PERIMETER DRAIN
W	WATER LINE
C	COMMUNICATION LINE
G	GAS LINE
X	FENCE

N

0 150 300

SCALE (IN FEET)

Drawn By	GML
CADD Review	RMK
Date Drawn/Rev'd	8/28/12–11/13/14

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508 WILSON STREET
KENTLAND, INDIANA

Environmental Resources Management

CHK'D	ME
	0176054
	FIGURE 2

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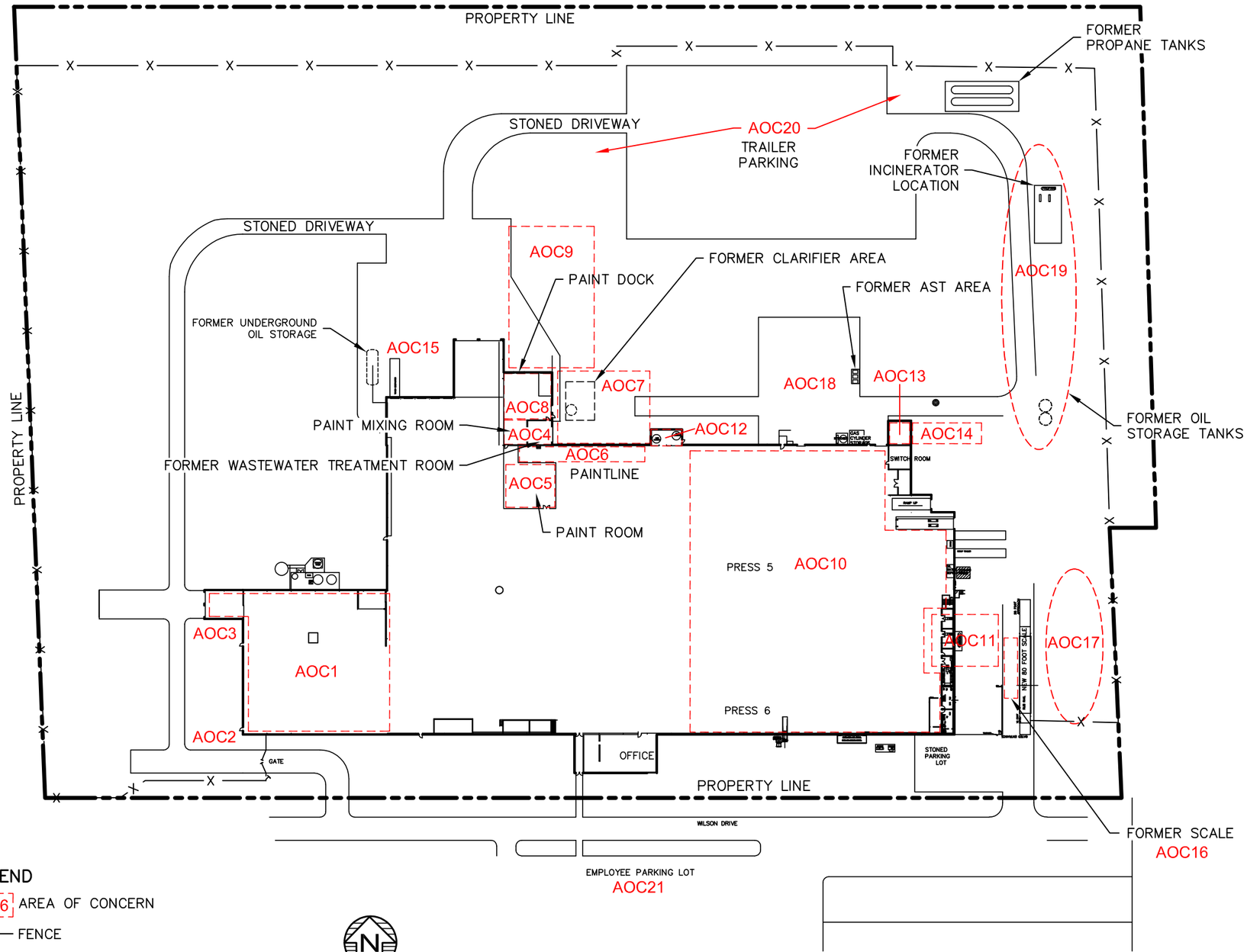
AREAS OF CONCERN



AOC Number	AOC Name
1	Anodizing Recessed Floor Area
2	Bulk Chemical Unloading and Tanks
3	West Doorway
4	Paint Mixing Room
5	Paint Booth Room
6	Vault Beneath Paint Preparation Line
7	Clarifier Containment and Outdoor Solvent Storage
8	Paint Dock Area / Solvent Storage
9	Exterior Paint Dock Area
10	Former Hydraulic Press Lines
11	Former Maintenance Shop
12	Die Cleanout Area
13	Oil-Water Separator
14	Electrical Substation
15	Former Incinerator, Fuel Oil UST, and Trash Compactor Area
16	Former Scale Pit
17	Scrap Roll Off Bin Staging Area
18	Boneyard Concrete Pad
19	Former Fuel Oil ASTs, Drainage Ditch, Incinerator, and Transfer Line
20	Trailer Parking Area
21	Employee Parking Lot

LEGEND

AOC6 AREA OF CONCERN

—X— FENCE

N

0 120 240

SCALE (IN FEET)

Drawn By GML

CADD Review RMK

Date Drawn/Rev'd 8/21/12–5/15/14

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Environmental Resources Management

CHK'D NC–IND

0176054

FIGURE 3

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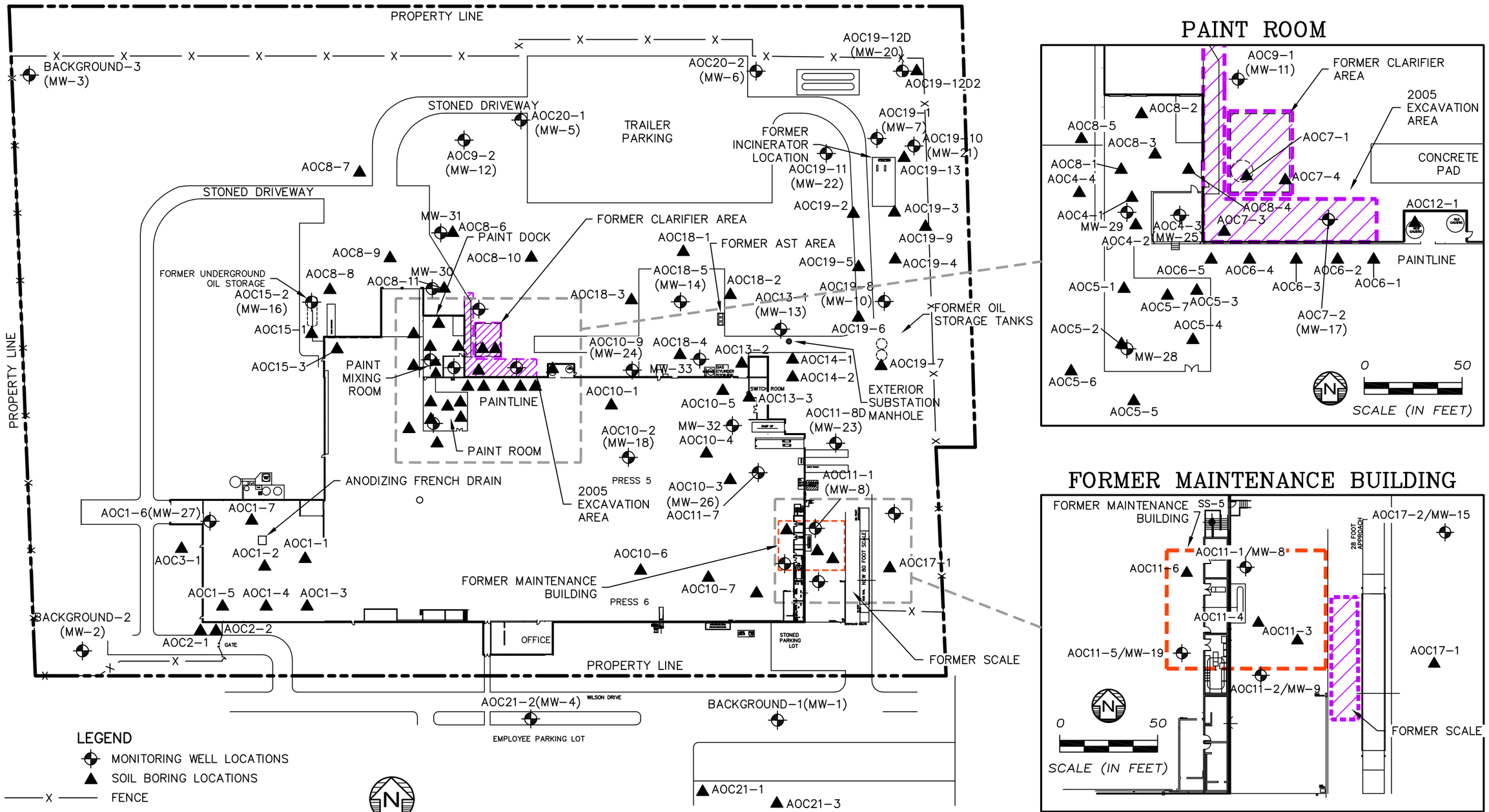
INVESTIGATION SAMPLE LOCATIONS



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CADD Review RMK			0176054
Date Drawn/Rev'd 8/21/12-4/16/14		Environmental Resources Management	FIGURE 4

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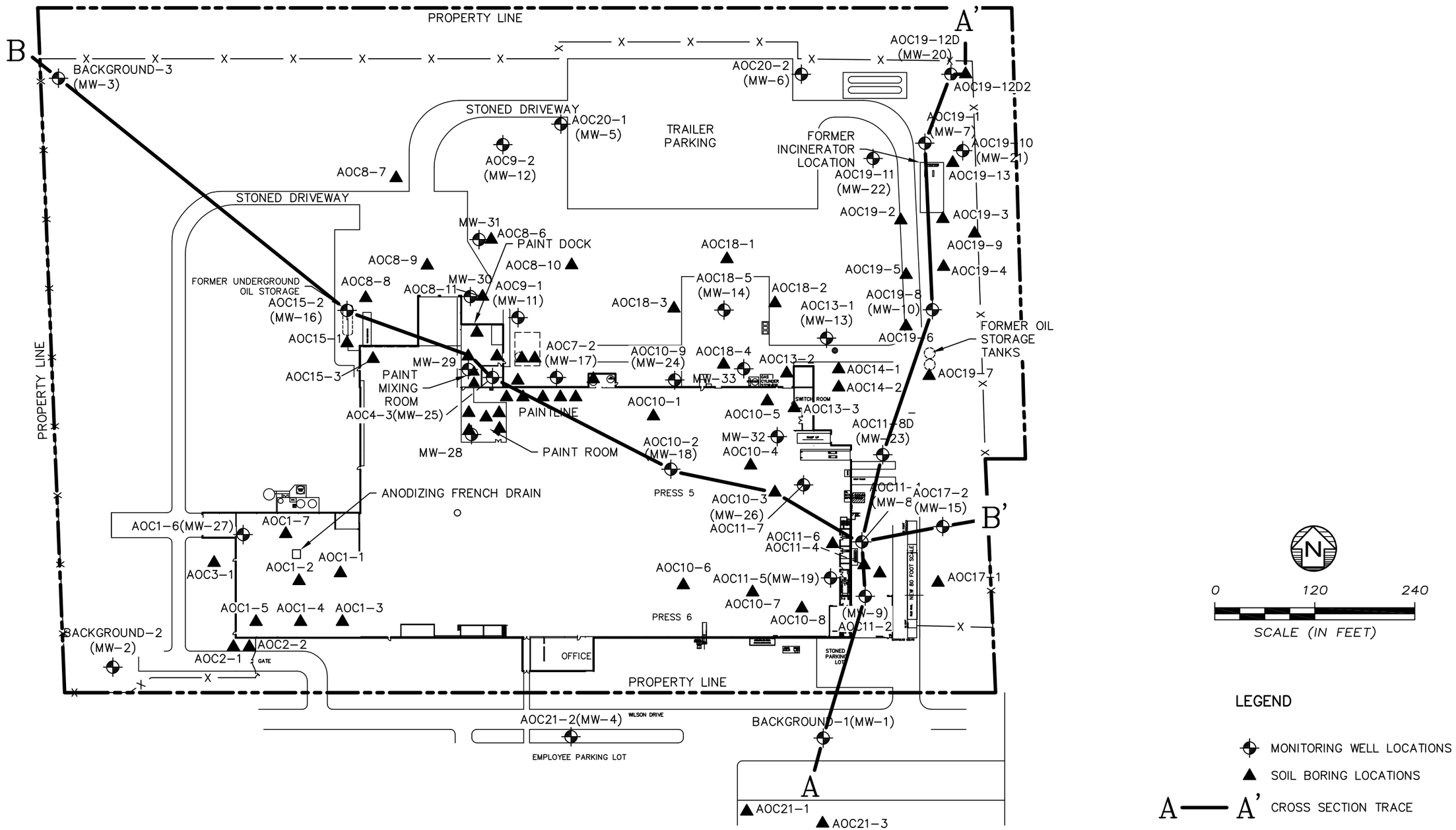
CROSS SECTION TRACE MAP



LEGEND

- MONITORING WELL LOCATIONS
- SOIL BORING LOCATIONS
- A —— A' CROSS SECTION TRACE

Drawn By GML	ERM®	**BON L MANUFACTURING** 508 WILSON STREET KENTLAND, INDIANA	CHK'D NC-IND
CADD Review RMK			0176054
Date Drawn/Rev'd 8/21/12-4/16/14		Environmental Resources Management	FIGURE 5

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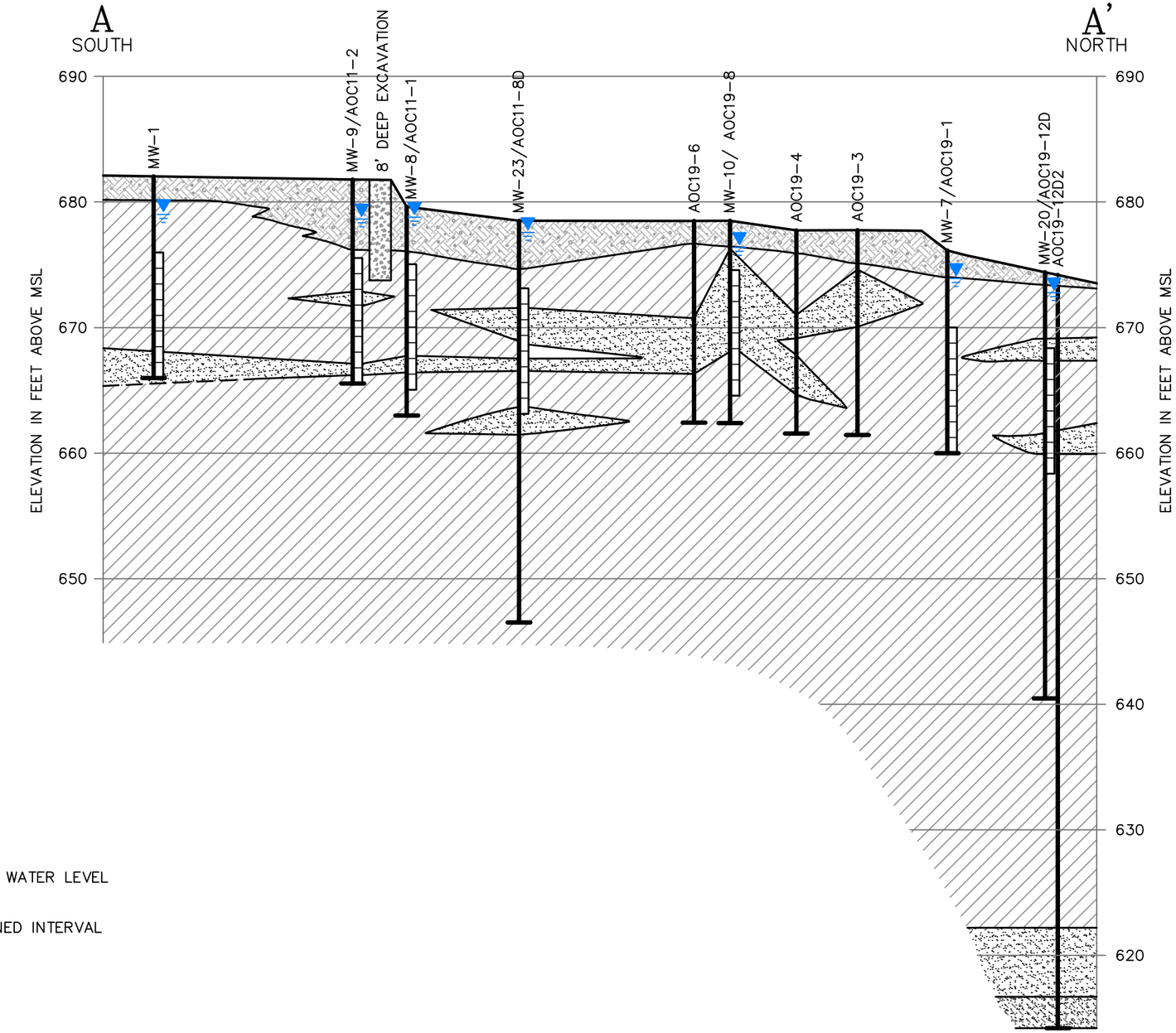
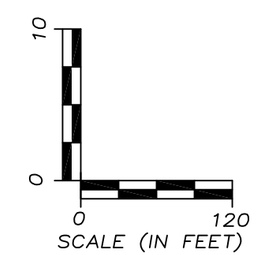
SOUTH–NORTH GEOLOGIC CROSS SECTION A–A'



LEGEND

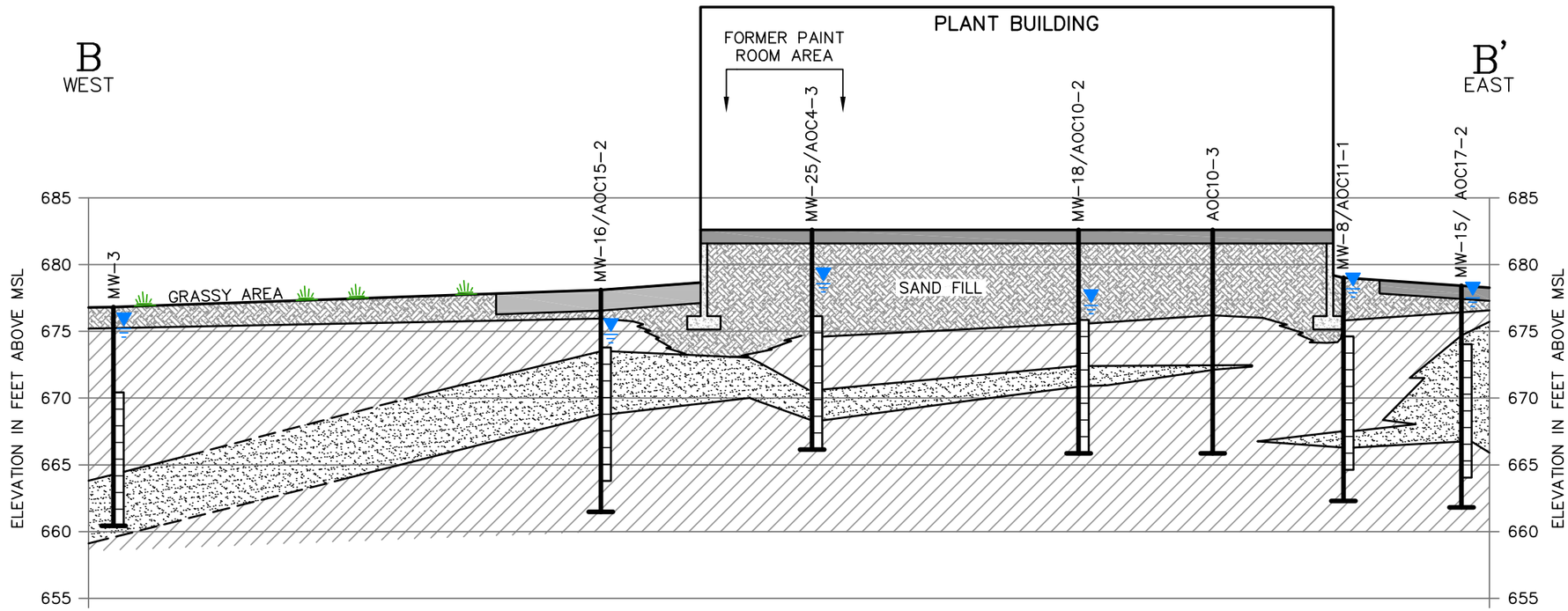
- TOPSOIL/FILL
- SAND
- CLAY
- SILT W/ SAND
- CLEAN GRAVEL FILL
- STATIC WATER LEVEL
- SCREENED INTERVAL



Drawn By GML	ERM®	**BON L MANUFACTURING** 508 WILSON STREET KENTLAND, INDIANA	CHK'D BB–IND
CADD Review RMK			0176054
Date Drawn/Rev'd 10/14/13–5/9/14		Environmental Resources Management	FIGURE 6

R:\Cadd\ClntA-D\BON L MANUFACTURING\0176054\0176054-05.dwg, X-SEC A-A, 11/3/2014 1:28:14 PM, GML

WEST–EAST GEOLOGIC CROSS SECTION B–B'

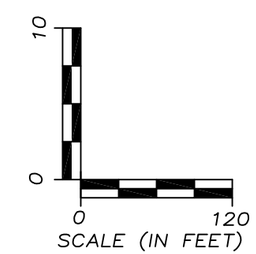


LEGEND

- CONCRETE OR ASPHALT
- SAND
- CLAY OR SILTY CLAY
- TOPSOIL/SAND FILL

MONITORING WELL OR BORING

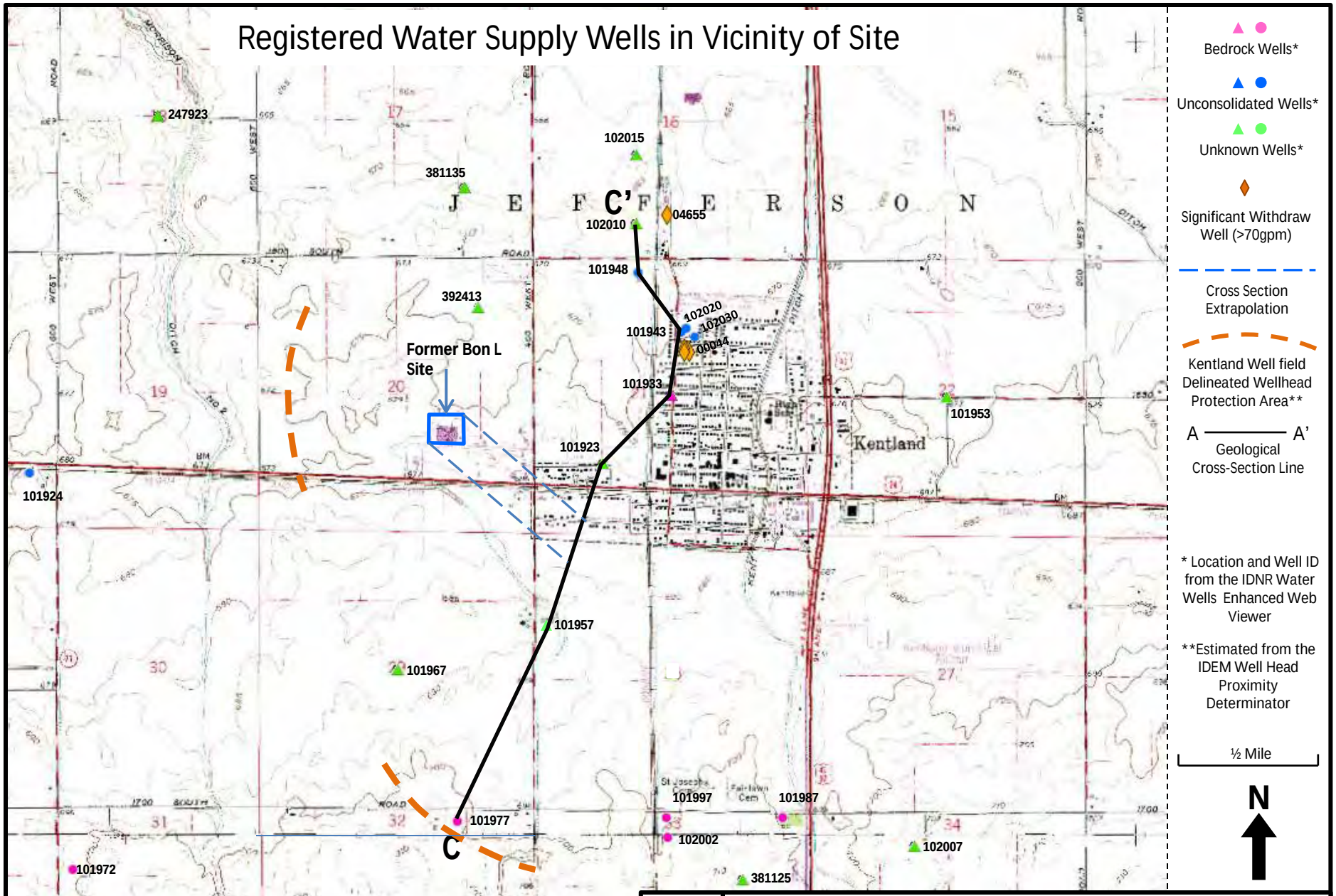
- STATIC WATER LEVEL (MARCH 26, 2014)
- SCREENED INTERVAL



Drawn By GML	ERM®	**BON L MANUFACTURING** 508 WILSON STREET KENTLAND, INDIANA	CHK'D MR–IND
CADD Review RMK			0176054
Date Drawn/Rev'd 10/14/13–6/11/14		Environmental Resources Management	FIGURE 7

R:\Cadd\ClntA-D\BON L MANUFACTURING\0176054\0176054-05.dwg, X-SEC B-B, 11/3/2014 1:29:32 PM, GML

Registered Water Supply Wells in Vicinity of Site



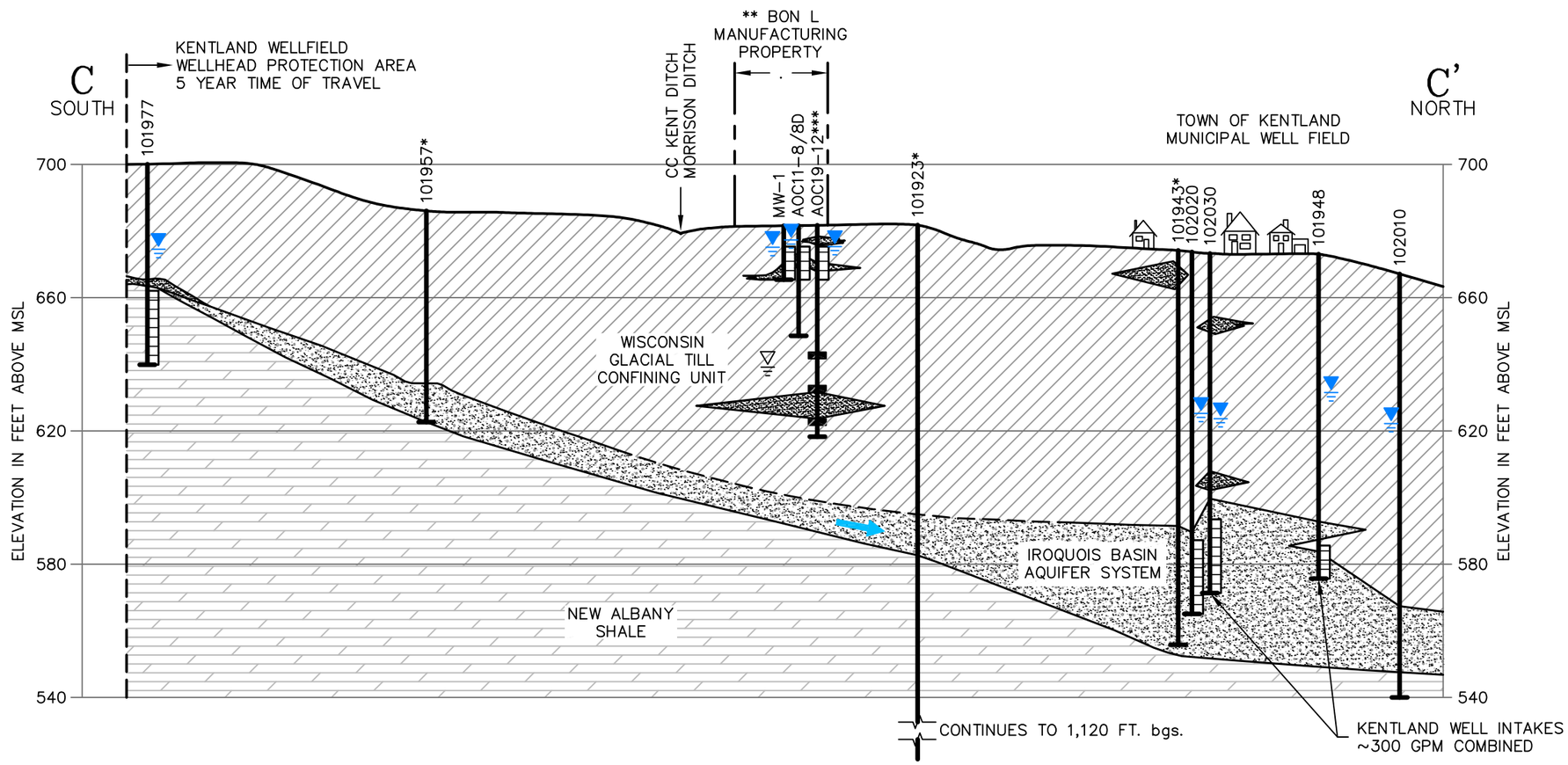
BON L MANUFACTURING
508 WILSON STREET
KENTLAND, INDIANA

ERM

ENVIRONMENTAL RESOURCES MANAGEMENT

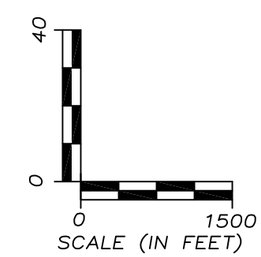
Figure 8

HYDROGEOLOGIC CROSS SECTION THROUGH KENTLAND, INDIANA WELLHEAD PROTECTION AREA



LEGEND

- SAND
- SILTY CLAY (TILL)
- SAND & GRAVEL (AQUIFER)
- BEDROCK (NEW ALBANY SHALE)
- WATER WELL SHOWING STATIC WATER LEVEL FROM WELL RECORDS
- SCREENED INTERVAL
- GROUND WATER FLOW DIRECTION
- SOIL BORING SHOWING SAMPLE INTERVAL ANALYZED FOR GEOTECHNICAL PARAMETERS
- BASED ON POTENTIOMETRIC SURFACE CONTOUR LINE FROM FIGURE 3 OF KENTLAND WELLHEAD PROTECTION AREA DELINEATION, SPRING 2000



NOTES:

*** INCLUDES AOC19-12D AND 12D2

** BON L ALUMINUM PROPERTY PROJECTED ONTO CROSS SECTION FROM ~2,600' TO THE NORTH WEST.

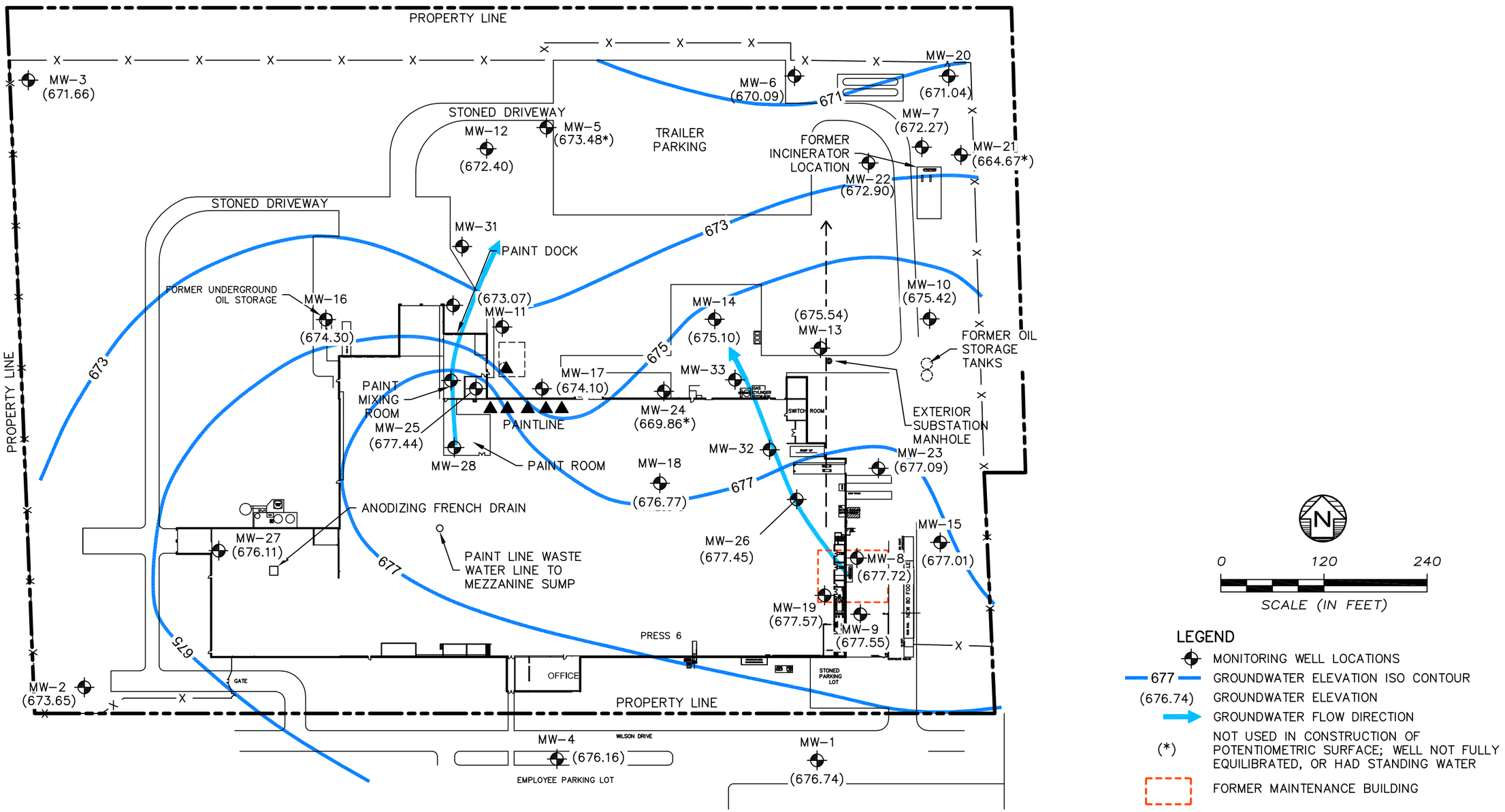
* WELL REPORT DID NOT PROVIDE INFORMATION ABOUT SCREENED INTERVAL OR STATIC WATER LEVEL.

WELL ID# NUMBERS BEGINNING WITH "10" ARE FROM IDNR WELL RECORDS DATABASE

Drawn By GML	ERM®	BON L MANUFACTURING 508 WILSON STREET KENTLAND, INDIANA	CHK'D BB-IND
CADD Review RMK			0176054
Date Drawn/Rev'd 10/10/13		Environmental Resources Management	FIGURE 9

R:\Cadd\ClntA-D\BON L MANUFACTURING\0176054\0176054-05.dwg, X-SEC C-C KENTLAND, 11/3/2014 1:31:41 PM, GML

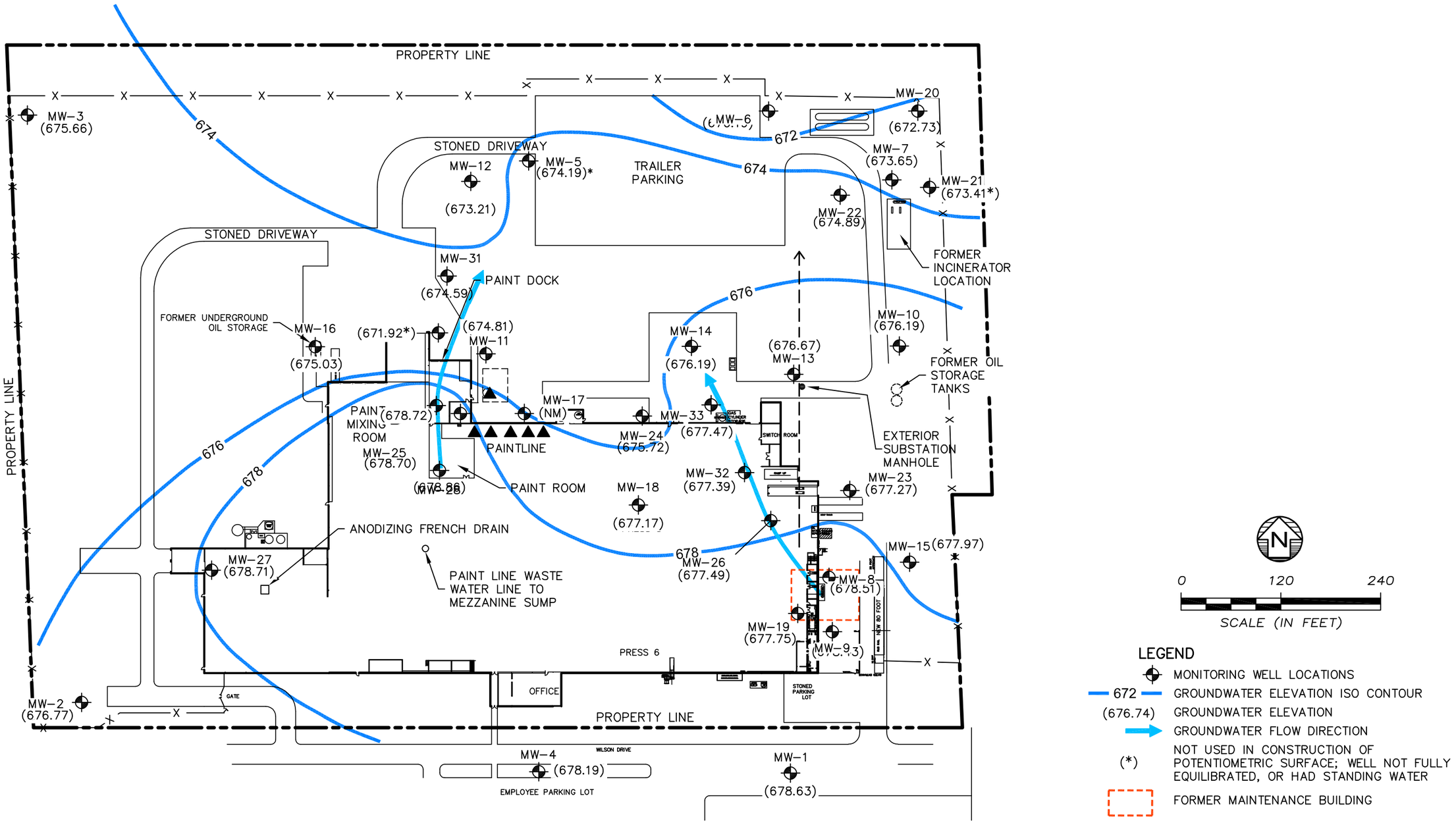
POTENTIOMETRIC SURFACE MAP (DECEMBER 2012)



Drawn By GML	ERM®	**BON L MANUFACTURING** 508 WILSON STREET KENTLAND, INDIANA	CHK'D BB-IND
CADD Review RMK			0176054
Date Drawn/Rev'd 8/21/12-2/14/14		Environmental Resources Management	FIGURE 10A

R:\Cadd\ClntA-D\BON L MANUFACTURING\0176054\0176054-03.dwg, GWC DEC 2012, 11/3/2014 1:45:55 PM, GML

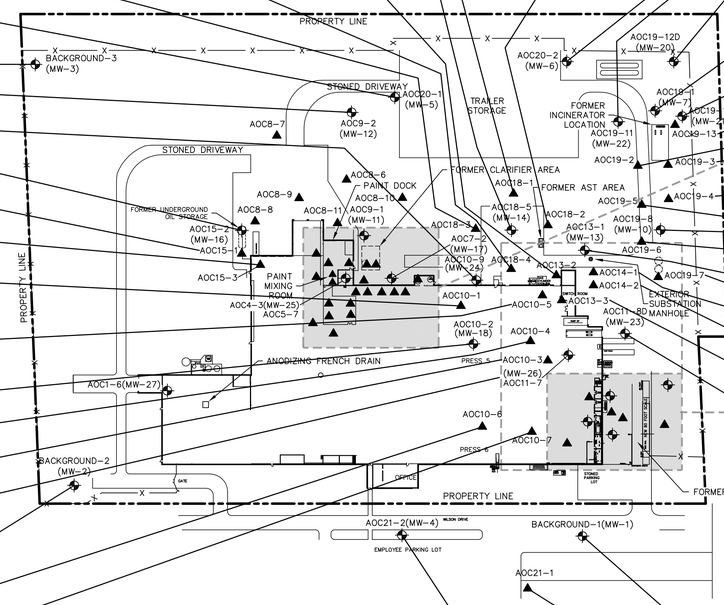
POTENTIOMETRIC SURFACE MAP (MARCH 2014)



Drawn By GML	ERM	**BON L MANUFACTURING** 508 WILSON STREET KENTLAND, INDIANA	CHK'D AA-IND
CADD Review RMK			0176054
Date Drawn/Rev'd 8/21/12-4/16/14		Environmental Resources Management	FIGURE 10B

R:\Cadd\ClntA-D\BON L MANUFACTURING\0176054\0176054-03.dwg, GWC MARCH 2014, 11/3/2014 1:48:07 PM, GML

VOCs IN SOIL PRE–2013 SOIL EXCAVATION



AOC18-1	9/28/12	
	0-0.5'	2-4'
VOCs	All BDL	All BDL

AOC20-2 (MW-6)	9/28/12	
	1-2'	4-6'
VOCs	All BDL	All BDL

AOC18-5 (MW-14)	10/10/12	
	1-2'	6-8'
VOCs	All BDL	All BDL

AOC18-4	10/9/12	
	1-2'	4-6'
VOCs	All BDL	All BDL

AOC13-2	10/9/12	
	1-2'	14-16'
VOCs	All BDL	All BDL

AOC18-2	10/4/12	
	0-0.5'	14-16'
VOCs	All BDL	All BDL

AOC18-3	10/4/12	
	0-0.5'	4-6'
VOCs		
Ace	BDL	34

AOC20-1 (MW-5)	9/28/12		
	0-0.5'	0-0.5' DUP	12-14'
VOCs	All BDL	All BDL	All BDL

Background-3 (MW-3)	9/28/12	
	0-0.5'	4-6'
VOCs	All BDL	All BDL

AOC9-2 (MW-12)	10/8/12	
	0-0.5'	10-12'
VOCs	All BDL	All BDL

AOC10-9 (MW-24)	12/14/12	
	6-7'	14-15'
VOCs	All BDL	All BDL

AOC15-2 (MW-16)	10/10/12	
	2-4'	6-8'
VOCs	All BDL	All BDL

AOC15-1	10/9/12	
	2-3'	6-8'
VOCs	All BDL	All BDL

AOC15-3	12/14/12
	8-10'
VOCs	All BDL

AOC10-1	10/18/12	
	0-0.5'	10-12'
VOCs		
PCE	220	BDL

AOC10-5	10/19/12	
	1-2'	6-8'
VOCs		
DCE	BDL	2,300
cDCE	BDL	2,300
TCE	BDL	770

AOC10-2 (MW-18)	10/18/12	
	1-2'	6-8'
VOCs	All BDL	All BDL

AOC10-4	10/18/12	
	1-2'	7-9'
VOCs	All BDL	All BDL

AOC10-3	10/18/12	
	4-6'	9-11'
VOCs	All BDL	All BDL

AOC11-7 (MW-26)	12/17/12	
	4-5'	14-16'
VOCs		
VC	BDL	7.6

Background-2 (MW-2)	9/28/12	
	0-0.5'	2-4'
VOCs		
VOCs	All BDL	BDL

AOC10-6	12/17/12	
	4-6'	12-14'
VOCs	All BDL	All BDL

AOC10-7	12/17/12	
	2-4'	8-10'
VOCs	All BDL	All BDL

AOC21-2 (MW-4)	9/26/12		
	0-0.5'	1-2'	6-8'
VOCs			
Ace	BDL	70	BDL

Background-1 (MW-1)	9/26/12	
	0-0.5'	6-8'
VOCs	All BDL	All BDL

AOC21-1	9/26/12	
	0-0.5'	6-8'
VOCs	All BDL	All BDL

AOC19-11 (MW-22)	12/13/12	
	6-7'	12-14'
VOCs	All BDL	All BDL

AOC19-12 (MW-20)	12/13/12
	0-0.5'
VOCs	All BDL

AOC19-12D	12/13/12
	12-14'
VOCs	All BDL

AOC19-1 (MW-7)	10/1/12	
	0-0.5'	8-10'
VOCs		
DCE	BDL	460
cDCE	BDL	990
TCE	BDL	8,500

AOC19-10 (MW-21)	12/13/12	
	0-0.5'	4-6'
VOCs		
cDCE	BDL	110

AOC19-13	12/13/12
	2-4'
VOCs	All BDL

AOC19-2	10/1/12	
	1-2'	2-4'
VOCs	All BDL	All BDL

AOC19-3	10/1/12	
	0-0.5'	6-8'
VOCs	All BDL	All BDL

AOC19-4	10/3/12	
	0-0.5'	2-4'
VOCs		
sBBenz	25	±2
plso	6.1	BDL
nPBenz	11	BDL
TMB	15	BDL

AOC19-5	10/3/12		
	0-0.5'	0-0.5' DUP	6-8'
VOCs	All BDL	All BDL	All BDL

AOC19-8 (MW-10)	10/4/12	
	0-0.5'	6-8'
VOCs		
sBBenz	BDL	6,400
nBBenz	BDL	10,000
Cumene	BDL	160
plso	BDL	39
nPBenz	BDL	220

AOC19-6	10/3/12	
	0-0.5'	2-4'
VOCs	All BDL	All BDL

AOC13-1 (MW-13)	10/8/12	
	0-0.5'	2-4'
VOCs	All BDL	All BDL

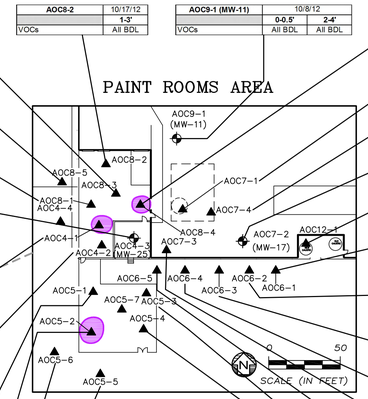
AOC14-1	10/9/12	
	1-2'	6-8'
VOCs	All BDL	All BDL

AOC19-7	10/3/12
	0-0.5'
VOCs	All BDL

AOC14-2	10/9/12	
	1-2'	8-10'
VOCs	All BDL	All BDL

AOC13-3	10/19/12	
	1-2'	14-16'
VOCs	All BDL	All BDL

AOC11-8D (MW-23)	12/17/12		
	4-6'	18-20'	30-32'
VOCs			
Tol	17	BDL	BDL



AOC8-2	10/17/12	
	1-3'	
VOCs	All BDL	

AOC9-1 (MW-11)	10/8/12	
	0-0.5'	2-4'
VOCs	All BDL	All BDL

AOC8-3	10/17/12
	1-3'
VOCs	All BDL

AOC8-5	12/14/12	
	2-4'	14-15'
VOCs		
EB	46	BDL
Xyl	220	BDL

AOC8-1	10/17/12	
	1-2'	14-16'
VOCs	All BDL	All BDL

AOC4-3 (MW-25)	12/17/12
	10-12'
VOCs	All BDL

AOC4-1	10/16/12	
	1-3'	4-6'
VOCs		
MEK	28,000	650,000
EB	1,100	980,000
TMB	BDL	63,000
m-&p-Xyl	3,400	8,000,000
o-Xyl	14,000	1,800,000
Xyl	17,000	9,800,000

AOC4-2	10/16/12	
	1-2'	6-8'
VOCs		
m-&p-Xyl	1,300	680
o-Xyl	BDL	BDL
Xyl	1,400	680

AOC5-1	10/16/12	
	1-2'	8-10'
VOCs		
EB	BDL	1,300

AOC5-2	10/16/12	
	1-2'	4-6'
VOCs		
EB	1,500	550,000
m-&p-Xyl	21,000	2,500,000
o-Xyl	4,300	400,000
Xyl	26,000	3,000,000

AOC5-6	12/17/12	
	8-10'	14-16'
VOCs	All BDL	All BDL

AOC5-5	12/17/12	
	6-8'	10-12'
VOCs	All BDL	All BDL

AOC8-4	10/17/12	
	2-4'	8-10'
VOCs		
EB	59,000	BDL
m-&p-Xyl	250,000	BDL
o-Xyl	55,000	BDL
Xyl	310,000	BDL

AOC7-1	10/10/12	
	0-0.5'	6-8'
VOCs	All BDL	All BDL

AOC7-4	10/11/12	
	0-0.5'	8-10'
VOCs	All BDL	All BDL

AOC7-2 (MW-17)	10/10/12	
	0-0.5'	12-14'
VOCs		
Ace	33	BDL

AOC12-1	10/17/12	
	2-3'	4-6'
VOCs	All BDL	All BDL

AOC6-1	10/11/12
	1-2'
VOCs	
Tol	11

AOC6-2	10/11/12
	1-2'
VOCs	
PCE	25
TCE	27

AOC6-3	10/11/12
	1-2'
VOCs	
Ace	50

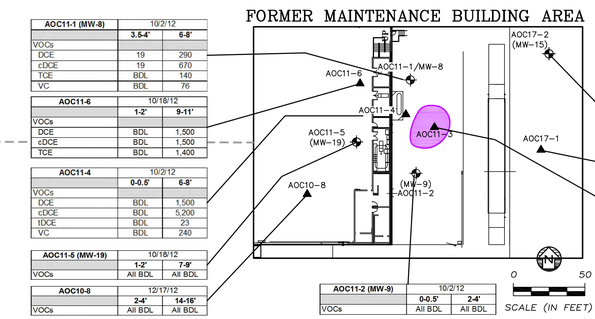
AOC6-4	10/11/12
	1-2'
VOCs	All BDL

AOC7-3	10/10/12	
	0-0.5'	8-10'
VOCs	All BDL	All BDL

AOC6-5	10/11/12
	1-2'
VOCs	All BDL

AOC5-3	10/16/12	
	1-2'	8-10'
VOCs		
EB	BDL	5.8

AOC5-4	10/16/12	
	1-2'	6-8'
VOCs	All BDL	All BDL



AOC11-1 (MW-8)	10/2/12	
	3.5-4'	6-8'
VOCs		
DCE	19	290
cDCE	19	670
TCE	BDL	140
VC	BDL	76

AOC11-6	10/18/12	
	1-2'	9-11'
VOCs		
DCE	BDL	1,500
cDCE	BDL	1,500
TCE	BDL	1,400

AOC11-4	10/2/12	
	0-0.5'	6-8'
VOCs		
DCE	BDL	1,500
cDCE	BDL	5,200
tDCE	BDL	23
VC	BDL	240

AOC11-5 (MW-19)	10/18/12	
	1-2'	7-9'
VOCs	All BDL	All BDL

AOC10-8	12/17/12	
	2-4'	14-16'
VOCs	All BDL	All BDL

AOC17-2 (MW-15)	10/10/12	
	2-4'	6-8'
VOCs	All BDL	All BDL

AOC17-1	10/4/12	
	0-2'	12'-14'
VOCs		
Ace	BDL	44

AOC11-3	10/2/12	
	0-0.5'	6-8'
VOCs		
DCE	BDL	2,200
cDCE	BDL	8,600
tDCE	BDL	33
TCE	BDL	76,000
VC	BDL	120

AOC11-2 (MW-9)	10/2/12	
	0-0.5'	2-4'
VOCs	All BDL	All BDL

KEY

Analyte		EWDCSL
Acetone	Ace	100,000,000
1,2-Dichloroethene	DCE	1,300,000
cis-1,2-Dichloroethene	cDCE	2,400,000
Tetrachloroethene	PCE	170,000
Toluene	Tol	820,000
Trichloroethene	TCE	34,000
Methyl Ethyl Ketone	MEK	28,000,000
Ethylbenzene	EB	480,000
Xylenes	Xyl	260,000
M & P Xylens	m-&-p Xyl	390,000
O Xylenes	o - Xyl	430,000
Cyclohexane	Chex	120,000
Methyl Cyclohexane	MChex	NE
1,2,4-Trimethylbenzene	TMB	220,000
Vinyl Chloride	VC	660,000
sec-Butylbenzene	sBBenz	150,000
p-Isopropyltoluene	plso	NE
n-Butylbenzene	nBBenz	110,000
Cumene (Isopropylbenzene)	Cumene	270,000
N-Propylbenzene	nPBenz	260,000

All units show n in µg/Kg

Samples from the 0-1' interval (or 1-2' interval if collected below surface cover) compared to RCDSL and CIDCSL. Samples collected from below the 0-1' interval compared to the EWDCSL.

N

0 120 240

SCALE (IN FEET)

LEGEND

- MONITORING WELL LOCATIONS
- SOIL BORING LOCATIONS
- —x— FENCE
- VOCs CONCENTRATION GREATER THAN EXCAVATION WORKER DIRECT CONTACT SCREENING LEVEL – TARGETED FOR REMEDIATION IN 2013

Rev.	Date	Description	By	Chk

DRAWN BY GML | CADD Review RMK | CHECKED BY NC–MR

Environmental Resources Management

ERM

BON L MANUFACTURING

508 WILSON STREET
KENTLAND, INDIANA

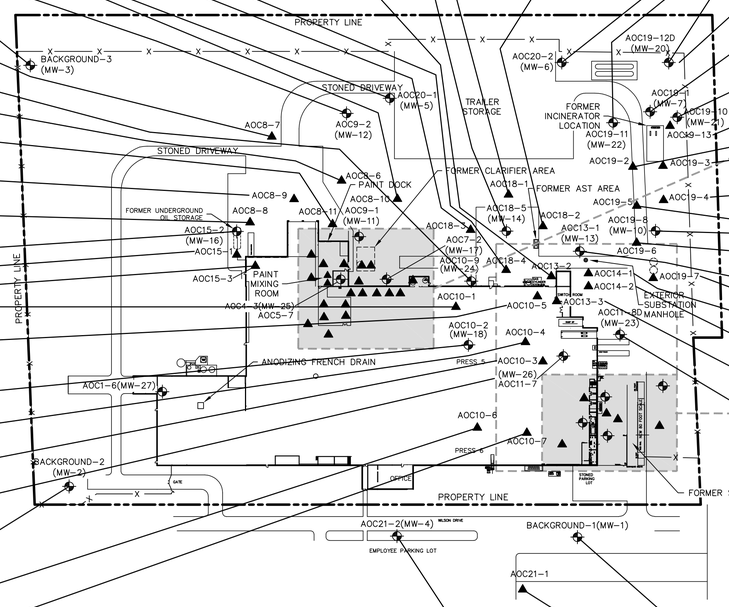
VOCs IN SOIL PRE–2013 SOIL EXCAVATION

SCALE	PROJECT NUMBER	SHEET	REV.
AS NOTED	0176054	11	
DATE 05/22/14			

R:\Cadd\Chk\-D\BON L MANUFACTURING\0176054\0176054-08.dwg, VOC IN SOIL PRE 2013, 11/3/2014 1:51:24 PM, GML

REVISIONS TO BE MADE ON THE CADD FILE ONLY

VOCs IN SOIL POST 2013 SOIL EXCAVATION



AOC8-6	6/17/14	
	18-20'	24-26'
VOCs		
Chex	BDL	2.6
MChex	BDL	2.8

AOC8-11	6/17/14	
	18-20'	24-26'
VOCs		
MChex	BDL	3.0

AOC8-9	6/17/14	
	4-6'	14-16'
VOCs	All BDL	All BDL

AOC8-8	6/17/14	
	2-4'	14-16'
VOCs	All BDL	All BDL

AOC15-1	10/9/12	
	2-3'	6-8'
VOCs	All BDL	All BDL

AOC15-2 (MW-16)	10/10/12	
	2-4'	6-8'
VOCs	All BDL	All BDL

AOC15-3	12/14/12
	8-10'
VOCs	All BDL

AOC10-1	10/18/12	
	0-0.5'	10-12'
VOCs		
PCE	220	BDL

AOC10-5	10/19/12	
	1-2'	6-8'
VOCs		
DCE	BDL	2,300
cDCE	BDL	2,300
TCE	BDL	770

AOC10-2 (MW-18)	10/18/12	
	1-2'	6-8'
VOCs	All BDL	All BDL

AOC10-4	10/18/12	
	1-2'	7-9'
VOCs	All BDL	All BDL

AOC10-3	10/18/12	
	4-6'	9-11'
VOCs	All BDL	All BDL

AOC11-7 (MW-26)	12/17/12	
	4-5'	14-16'
VOCs		
VC	BDL	7.6

Background-2 (MW-2)	9/28/12	
	0-0.5'	2-4'
VOCs		
VOCs	All BDL	BDL

AOC10-6	12/17/12	
	4-6'	12-14'
VOCs	All BDL	All BDL

AOC10-7	12/17/12	
	2-4'	8-10'
VOCs	All BDL	All BDL

AOC18-4	10/9/12	
	1-2'	4-6'
VOCs	All BDL	All BDL

AOC18-1	9/28/12	
	0-0.5'	2-4'
VOCs	All BDL	All BDL

AOC20-2 (MW-6)	9/28/12	
	1-2'	4-6'
VOCs	All BDL	All BDL

AOC18-5 (MW-14)	10/10/12	
	1-2'	6-8'
VOCs	All BDL	All BDL

AOC18-3	10/4/12	
	0-0.5'	4-6'
VOCs		
Ace	BDL	34

AOC13-2	10/9/12	
	1-2'	14-16'
VOCs	All BDL	All BDL

AOC18-2	10/4/12	
	0-0.5'	14-16'
VOCs	All BDL	All BDL

AOC19-11 (MW-22)	12/13/12	
	6-7'	12-14'
VOCs	All BDL	All BDL

AOC19-12 (MW-20)	12/13/12	
	0-0.5'	
VOCs	All BDL	

AOC19-12D	12/13/12
	12-14'
VOCs	All BDL

AOC19-12D2	3/25/14		
	35'	45'	55'	58'
VOCs	All BDL	All BDL	All BDL	All BDL

AOC19-1 (MW-7)	10/1/12		6/17/14
	0-0.5'	8-10'	18-20
VOCs			
DCE	BDL	460	BDL
cDCE	BDL	990	BDL
TCE	BDL	9,500	BDL

AOC19-10 (MW-21)	12/13/12	
	0-0.5'	4-6'
VOCs		
cDCE	BDL	110

AOC19-13	12/13/12
	2-4'
VOCs	All BDL

AOC19-2	10/1/12	
	1-2'	2-4'
VOCs	All BDL	All BDL

AOC19-4	10/3/12
	0-0.5'	2-4'
VOCs		
sBBenz	25	12
piso	6.1	BDL
nPBenz	11	BDL
TMB	15	BDL

AOC19-6	10/3/12	
	0-0.5'	2-4'
VOCs	All BDL	All BDL

AOC13-1 (MW-13)	10/8/12	
	0-0.5'	2-4'
VOCs	All BDL	All BDL

AOC14-1	10/9/12	
	1-2'	6-8'
VOCs	All BDL	All BDL

AOC14-2	10/9/12	
	1-2'	8-10'
VOCs	All BDL	All BDL

AOC13-3	10/19/12	
	1-2'	14-16'
VOCs	All BDL	All BDL

AOC11-8D (MW-23)	12/17/12		
	4-6'	16-20'	30-32'
VOCs			
Tol	17	BDL	BDL

AOC19-3	10/1/12	
	0-0.5'	6-8'
VOCs	All BDL	All BDL

AOC19-5	10/3/12		
	0-0.5'	0-0.5' DUP	6-8'
VOCs	All BDL	All BDL	All BDL

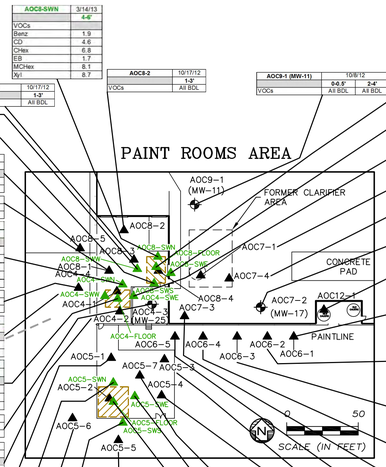
AOC19-8 (MW-10)	10/4/12	
	0-0.5'	6-8'
VOCs		
sBBenz	BDL	6,400
nBBenz	BDL	10,000
Cumene	BDL	160
piso	BDL	39
nPBenz	BDL	220

AOC19-7	10/3/12
	0-0.5'
VOCs	All BDL

AOC21-2 (MW-4)	9/26/12		
	0-0.5'	1-2'	6-8'
VOCs			
Ace	BDL	70	BDL

AOC21-1	9/26/12	
	0-0.5'	6-8'
VOCs	All BDL	All BDL

Background-1 (MW-1)	9/26/12	
	0-0.5'	6-8'
VOCs	All BDL	All BDL



AOC8-SWN	3/14/13
	4-6'
VOCs	
Benz	1.9
CD	4.6
CHex	6.8
EB	1.7
MCHex	8.1
Xyl	8.7

AOC8-SWW	3/14/13	
	0-2'	2-4'
PID Readings (ppm)	0	0.3

AOC8-SWS	3/14/13	
	0-2'	2-4'
PID Readings (ppm)	0.4	0.3

AOC8-5	12/14/12	
	2-4'	14-15'
VOCs		
EB	46	BDL
Xyl	220	BDL

AOC8-1	10/10/12	
	1-2'	14-16'
VOCs	All BDL	All BDL

AOC4-SWN	3/14/13
	4-6'
VOCs	
Benz	1.7
CHex	4.3
EB	3.2
MCHex	7.1
Xyl	170

AOC4-4	3/14/13	3/14/13	3/14/13
	4-6'	8-10'	10-12'
PID Readings	0.4	14.7	0.3

AOC4-SWW	3/14/13
	4-6'
VOCs	
EB	2.4
Xyl	63

AOC4-Floor	3/14/13
	9-11'
VOCs	
MEK	31
EB	2
Xyl	14

AOC4-3 (MW-25)	12/17/12
	10-12'
VOCs	All BDL

AOC4-2	10/16/12	
	1-2'	6-8'
VOCs		
m-&p-Xyl	1,300	680
o-Xyl	BDL	BDL
Xyl	1,400	680

AOC5-1	10/16/12	
	1-2'	8-10'
VOCs		
EB	BDL	1,300

AOC5-SWN	3/14/13
	4-6'
VOCs	
EB	6,300
MCHex	1.3
Xyl	30,000

AOC5-6	12/17/12	
	8-10'	14-16'
VOCs	All BDL	All BDL

AOC5-SWS	3/14/13	
	4-6'	6-8'
PID Readings (ppm)	53.4	2.5

AOC8-3	10/17/12
	1-3'
VOCs	All BDL

AOC8-2	10/17/12
	1-3'
VOCs	All BDL

AOC9-1 (MW-11)	10/8/12	
	0-0.5'	2-4'
VOCs	All BDL	All BDL

AOC8-Floor	3/14/13
	9-11'
VOCs	
CHex	2.5
EB	2.2
MCHex	3.4
Xyl	6.3

AOC8-SWE	3/14/13	
	0-2'	2-4'
PID Readings (ppm)	0	0

AOC4-SWE	3/14/13
	4-6'
VOCs	
Xyl	4.6

AOC7-1	10/10/12	
	0-0.5'	6-8'
VOCs	All BDL	All BDL

AOC7-4	10/11/12	
	0-0.5'	8-10'
VOCs	All BDL	All BDL

AOC7-2 (MW-17)	10/10/12	
	0-0.5'	12-14'
VOCs		
Ace	33	BDL

AOC12-1	10/17/12	
	2-3'	4-6'
VOCs	All BDL	All BDL

AOC6-1	10/11/12
	1-2'
VOCs	
Tol	11

AOC6-2	10/11/12
	1-2'
VOCs	
PCE	29
TCE	27

AOC6-3	10/11/12
	1-2'
VOCs	
Ace	50

AOC6-4	10/11/12
	1-2'
VOCs	All BDL

AOC7-3	10/10/12	
	0-0.5'	8-10'
VOCs	All BDL	All BDL

AOC6-5	10/11/12
	1-2'
VOCs	All BDL

AOC5-3	10/16/12
	1-2'
VOCs	
EB	5.8

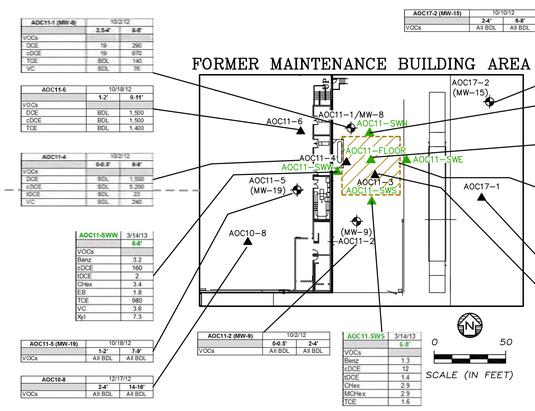
AOC5-4	10/16/12	
	1-2'	6-8'
VOCs	All BDL	All BDL

AOC5-7	3/14/13	
		6-8'
VOCs	All BDL	
Benz	2	
CHex	2	
EB	2,400	
MCHex	5.3	
Tol	6.6	
Xyl	11,000	

AOC5-Floor	3/14/13
	9-11'
VOCs	
Benz	1.4
CHex	3
EB	4.2
MCHex	3.9
Xyl	12

AOC5-SWE	3/14/13
	4-6'
VOCs	
Benz	6,300
CHex	1.3
Xyl	30,000

AOC5-5	12/17/12	
	6-8'	10-12'
VOCs	All BDL	All BDL



AOC17-2 (MW-15)	10/10/12	
	2-4'	6-8'
VOCs	All BDL	All BDL

AOC11-SWN	3/14/13
	6-8'
VOCs	
Benz	1.4
MEK	16
DCA	1.5
cDCE	820
tDCE	19
EC	18
CHex	4.7
MCHex	4.7
VC	180

AOC11-Floor	3/14/13
	9-11'
VOCs	
CHex	2.2
MCHex	2.6
VC	430

AOC11-SWE	3/14/13
	6-8'
VOCs	
DCA	5.1
cDCE	4,600
tDCE	98
CHex	1.7
MCHex	1.9
VC	120

AOC11-7	10/4/12	
	5-7'	5-7' DUP
VOCs		
Ace	BDL	44

AOC11-3	6/17/14	
	18-20'	24-26'
VOCs	All BDL	All BDL

AOC11-1 (MW-8)	10/2/12	
	2.5-4'	6-8'
VOCs		
DCE	19	290
cDCE	19	670
TCE	BDL	140
VC	BDL	36

AOC11-6	10/18/12	
	1-2'	9-11'
VOCs		
DCE	BDL	1,500
cDCE	BDL	1,500
TCE	BDL	1,400

AOC11-4	10/2/12	
	0-0.5'	6-8'
VOCs		
DCE	BDL	1,500
cDCE	BDL	5,200
tDCE	BDL	23
VC	BDL	340

AOC11-SWW	3/14/13
	6-8'
VOCs	
Benz	3.2
cDCE	160
tDCE	2
CHex	3.4
EB	1.8
TCE	980
VC	3.6
Xyl	7.3

AOC11-5 (MW-19)	10/18/12	
	1-2'	7-9'
VOCs	All BDL	All BDL

AOC10-8	12/17/12	
	2-4'	14-16'
VOCs	All BDL	All BDL

AOC11-2 (MW-9)	10/2/12	
	0-0.5'	2-4'
VOCs	All BDL	All BDL

AOC11-SWS	3/14/13
	6-8'
VOCs	
Benz	1.3
cDCE	12
tDCE	1.4
CHex	2.9
MCHex	2.9
TCE	1.6

Key

Analyte		RDCSL	CIDCSL	EWDCSL
Acetone	Ace	85,000,000	100,000,000	100,000,000
1,2-Dichloroethene	DCE	980,000	1,300,000	1,300,000
cis-1,2-Dichloroethene	cDCE	220,000	2,000,000	2,400,000
Tetrachloroethene	PCE	120,000	170,000	170,000
Toluene	Tol	820,000	820,000	820,000
Trichloroethene	TCE	6,200	20,000	34,000
Methyl Ethyl Ketone	MEK	28,000,000	28,000,000	28,000,000
Ethylbenzene	EB	76,000	270,000	480,000
Xylenes	Xyl	260,000	260,000	260,000
M & P Xylenes	m-&-p Xyl	390,000	390,000	390,000
O Xylenes	o - Xyl	430,000	430,000	430,000
Cyclohexane	CHex	120,000	120,000	120,000
Methyl Cyclohexane	MChex	NE	NE	NE
1,2,4-Trimethylbenzene	TMB	87,000	220,000	220,000
Vinyl Chloride	VC	840	17,000	660,000
sec-Butylbenzene	sBBenz	150,000	150,000	150,000
p-Isopropyltoluene	piso	NE	NE	NE
n-Butylbenzene	nBBenz	110,000	110,000	110,000
Cumene (Isopropylbenzene)	Cumene	270,000	270,000	270,000
N-Propylbenzene	nPBenz	260,000	260,000	260,000
All units shown in µg/Kg				

Samples from the 0-1' interval (or 1-2' interval if collected below surface cover) compared to RCDSL and CIDCSL. Samples collected from below the 0-1' interval compared to the EWDCSL.

N

0 120 240

SCALE (IN FEET)

LEGEND

- MONITORING WELL LOCATIONS
- SOIL BORING LOCATIONS
- SOIL BORING EXCAVATED IN MARCH 2013
- 2013 POST EXCAVATION CONFIRMATION SAMPLE LOCATION
- FENCE
- MARCH 2013 EXCAVATION AREA

NOTE:
FOLLOWING COMPLETION OF REMEDIAL SOIL EXCAVATIONS IN 2013, ALL REMAINING VOCs CONCENTRATIONS AT THE SITE WERE LESS THAN EWDCSLs AND CIDCSLs. IN ADDITIONAL, WITH THE SINGULAR EXCEPTION OF AOC19-1 (8-10'), ALL REMAINING VOCs CONCENTRATIONS WERE LESS THAN THE RDCSLs.

Rev.	Date	Description	By	Chk
1	8/14/14	VOCs IN SOIL POST 2013 SOIL EXCAVATION	GML	AA

DRAWN BY GML | CADD Review RMK | CHECKED BY NC-MR

ERM®

Environmental Resources Management

BON L MANUFACTURING

508 WILSON STREET
KENTLAND, INDIANA

VOCs IN SOIL POST 2013 SOIL EXCAVATION

SCALE	PROJECT NUMBER	SHEET	REV.
AS NOTED	0176054	12	
DATE 05/22/14			

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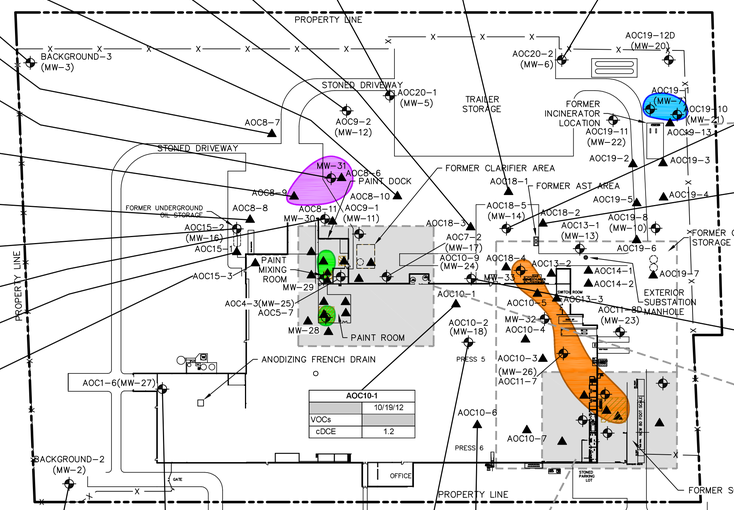
REVISIONS TO BE MADE ON THE CADD FILE ONLY

VOCs IN GROUNDWATER



Background-3 (MW-3)		
	10/24/12	3/19/14
VOCs	All BDL	All BDL

AOC8-7	
	6/17/14
VOCs	All BDL

MW-31		
	3/26/14	4/9/14
VOCs		
cDCE	26	30
tDCE	1.1	1.4
1,2-DCA	54	120
TCE	9.8	7.2
VC	7.5	10

AOC8-9	
	6/17/14
VOCs	
cDCE	12
tDCE	3.4
1,2-DCA	6.6
VC	1.9

AOC8-8	
	6/17/14
VOCs	All BDL

AOC15-2 (MW-16)		
	10/24/12	3/18/14
VOCs		
1,2-DCE	2.3	BDL
cDCE	2.3	BDL
1,2-DCA	4.4	1.5
1,2-DCP	BDL	1.8

MW-30	
	3/26/14
VOCs	
1,2-DCA	1.1

AOC15-1	
	10/9/12
VOCs	
1,2-DCE	2.2
cDCE	2.0
1,2-DCA	3.2

AOC15-3	
	12/17/12
VOCs	All BDL

AOC8-10	
	6/17/14
VOCs	All BDL

AOC18-3	
	10/4/12
VOCs	All BDL

AOC9-2 (MW-12)		
	10/18/12	3/18/14
VOCs	All BDL	All BDL

AOC20-1 (MW-5)		
	10/25/12	3/26/14
VOCs		
EB	BDL	1.1

AOC18-1	
	9/28/12
VOCs	All BDL

AOC20-2 (MW-6)			
	10/23/12	3/17/14	3/17/14 DUP
VOCs	All BDL	All BDL	All BDL

AOC18-5 (MW-14)		
	10/24/12	3/18/14
VOCs	All BDL	All BDL

AOC18-2	
	10/4/12
VOCs	All BDL

AOC10-9 (MW-24)		
	12/18/12	3/26/14
VOCs	All BDL	All BDL

Background-1 (MW-1)		
	10/25/12	3/19/14
VOCs	All BDL	All BDL

AOC10-1	
	10/19/12
VOCs	
cDCE	1.2

AOC1-6 (MW-27)		
	12/18/12	3/18/14
VOCs	NA	All BDL

Background-2 (MW-2)		
	10/25/12	3/26/14
VOCs	All BDL	All BDL

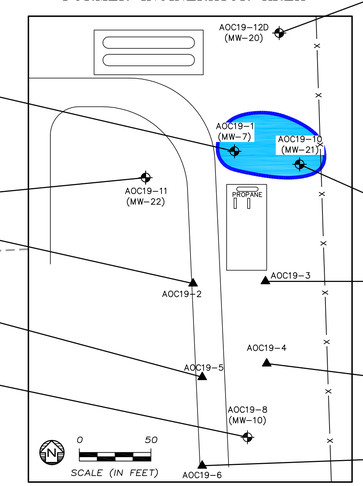
AOC21-2 (MW-4)		
	10/24/12	3/19/14
VOCs	All BDL	All BDL

AOC10-2 (MW-18)		
	10/23/12	3/18/14
VOCs	All BDL	All BDL

AOC10-6	
	12/18/12
VOCs	All BDL

AOC21-1	
	9/26/12
VOCs	All BDL

FORMER INCINERATOR AREA



AOC19-1 (MW-7)		
	10/23/12	3/17/14
VOCs		
Acetone	26	BDL
MEK	12	BDL
CD	2.1	BDL
1,2-DCE	70	BDL
cDCE	69	15
tDCE	1.2	4.8
TCE	51	9.6
VC	1.4	5.8

AOC19-11 (MW-22)		
	12/14/12	3/17/14
VOCs	All BDL	All BDL

AOC19-2	
	10/1/12
VOCs	All BDL

AOC19-5	
	10/3/12
VOCs	All BDL

AOC19-8 (MW-10)		
	10/23/12	3/18/14
VOCs		
Cumene	1.5	BDL

AOC19-12/12D (MW-20)		
	12/18/12	3/17/14
VOCs	All BDL	All BDL

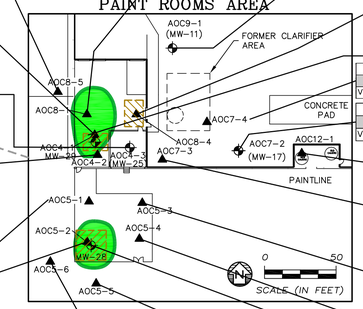
AOC19-10 (MW-21)		
	12/18/12	3/18/14
VOCs		
1,2-DCE	18	BDL
cDCE	18	21
VC	1.4	2.4

AOC19-3	
	10/1/12
VOCs	All BDL

AOC19-4	
	10/3/12
VOCs	All BDL

AOC19-6	
	10/3/12
VOCs	All BDL

PAINT ROOMS AREA



AOC8-5		
	12/14/12	12/14/12 Dup
VOCs		
Xyl	2.3	2.2

AOC8-1	
	10/17/12
VOCs	
EB	13,000
Xyl	67,000

AOC9-1 (MW-11)		
	10/18/12	3/18/14
VOCs		
1,2-DCA	1.1	BDL

AOC8-4	
	10/17/12
VOCs	
EB	17
CUMENE	1.0
TOL	1.5
Xyl	86

MW-29	
	3/26/14
VOCs	
MEK	25,000
EB	3,800
1,2,3-TMB	280
1,2,4-TMB	330
Xyl	78,000

AOC4-3 (MW-25)		
	12/18/12	3/19/14
VOCs		
MEK	87	BDL
EB	21	6.4
m-&p-Xyl	42	NA
o-Xyl	7.8	NA
Xyl	49	24

AOC4-1	
	10/16/12
VOCs	
MEK	1,600,000
EB	15,000
m-&p-Xyl	98,000
o-Xyl	21,000
Xyl	120,000

AOC4-2	
	10/16/12
VOCs	
Acetone	38
MEK	130
EB	25
Cumene	1.3
m-&p-Xyl	79
o-Xyl	6.1
Xyl	85

AOC5-1	
	10/16/12
VOCs	All BDL

AOC5-2	
	10/16/12
VOCs	
MEK	550
EB	1,400
m-&p-Xyl	2,400
o-Xyl	560
Xyl	3,000

AOC7-4	
	10/11/12
VOCs	All BDL

AOC7-2 (MW-17)			
	10/24/12	10/24/12 DUP	4/9/14
VOCs	All BDL	All BDL	All BDL

AOC12-1	
	10/17/12
VOCs	All BDL

AOC7-3	
	10/11/12
VOCs	All BDL

AOC5-3	
	10/16/12
VOCs	
EB	14
m-&p-Xyl	45
o-Xyl	10
Xyl	55

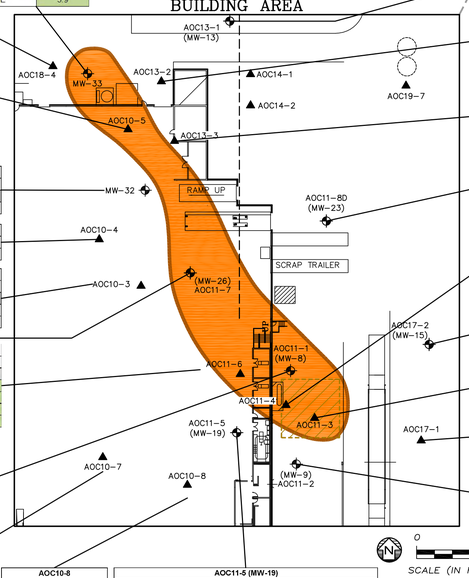
AOC5-6	
	12/17/12
VOCs	All BDL

AOC5-5	
	12/17/12
VOCs	All BDL

MW-28	
	3/26/14
VOCs	
EB	7,800
Xyl	29,000

AOC5-4	
	10/16/12
VOCs	All BDL

FORMER MAINTENANCE BUILDING AREA



MW-33	
	3/26/14
VOCs	
cDCE	15
tDCE	1.5
TCE	5.9

AOC18-4	
	10/9/12
VOCs	
cDCE	1.5
1,1-DCA	1.4
TCE	1.6

AOC10-5	
	10/19/12
VOCs	
1,2-DCE	160
cDCE	150
1,1-DCA	17
1,1,1-TCA	12
TCE	13
VC	3.9

MW-32		
	3/26/14	4/9/14
VOCs		
Xyl	8.7	BDL

AOC10-4	
	10/19/12
VOCs	All BDL

AOC10-3	
	10/19/12
VOCs	
1,2-DCE	2.3
cDCE	2.2

AOC11-7 (MW-26)			
	12/18/12	12/18/12 DUP	3/18/14
VOCs			
EC	22	BDL	BDL
1,2-DCE	420	250	BDL
cDCE	420	250	54
TCE	47	36	BDL
VC	55	36	16

AOC11-6	
	10/19/12
VOCs	
1,2-DCE	330
cDCE	310
TCE	320
VC	11

AOC11-1 (MW-8)		
	10/23/12	3/19/14
VOCs		
1,1-DCE	BDL	1.6
1,2-DCE	140	BDL
cDCE	130	370
tDCE	1.5	3.4
TCE	120	170
VC	22	100

AOC13-1 (MW-13)		
	10/24/12	3/18/14
VOCs	All BDL	All BDL

AOC13-2	
	10/10/12
VOCs	
1,2-DCE	3.1
cDCE	2.9

AOC13-3		
	10/19/12	10/19/12 DUP
VOCs		
1,2-DCE	6.5	7.0
cDCE	6.0	6.3
TCE	2.6	2.8

AOC11-8/8D (MW-23)		
	12/18/12	3/19/14
VOCs		
Tol	91	BDL

AOC11-4	
	10/3/12
VOCs	
1,2-DCE	83
cDCE	77
VC	690

AOC17-2 (MW-15)		
	10/23/12	3/19/14
VOCs	All BDL	All BDL

AOC11-3	
	10/3/12
VOCs	
VC	250

AOC17-1	
	10/4/12
VOCs	All BDL

AOC11-2 (MW-9)		
	10/23/12	3/19/14
VOCs		
cDCE	1.2	3
TCE	1.6	BDL
VC	BDL	1.3

AOC10-7	
	12/18/12
VOCs	All BDL

AOC10-8	
	12/18/12
VOCs	All BDL

AOC11-5 (MW-19)				
	10/22/12	10/22/12 DUP1	3/18/14	3/18/14 DUP
VOCs	All BDL	All BDL	All BDL	All BDL

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING/GRAB SAMPLE
- FENCE
- 2013 SOIL EXCAVATION AREA
- APPROXIMATE EXTENT OF FORMER MAINTENANCE BUILDING PLUME – TCE, cDCE, AND/OR VC GREATER THAN RESIDENTIAL SCREENING LEVELS
- APPROXIMATE EXTENT OF FORMER INCINERATOR PLUME – TCE AND/OR VC GREATER THAN RESIDENTIAL SCREENING LEVELS
- APPROXIMATE EXTENT OF PAINTING AREA PLUME – XYLENES, MEK, ETHYLBENZENE, AND/OR NAPHTHALENE GREATER THAN RESIDENTIAL SCREENING LEVELS
- APPROXIMATE EXTENT OF EXTERIOR PAINT DOCK AREA PLUME – TCE, CDCE, 1,2–DCA, AND VC GREATER THAN RESIDENTIAL SCREENING LEVELS

KEY

Analyte		RGWT
Acetone	Acetone	49
Carbon Disulfide	CD	720
Chloroethane (Ethyl Chloride)	EC	21,000
Cumene (Isopropylbenzene)	Cumene	390
1,1-Dichloroethene	1,1-DCE	7
1,2-Dichloroethene	1,2-DCE	130
cis-1,2-Dichloroethene	cDCE	70
trans-1,2-Dichloroethen	tDCE	100
1,1-Dichloroethane	1,1-DCA	24
1,2-Dichloroethane	1,2-DCA	5
1,2-Dichloropropane	1,2-DCP	5
Ethylbenzene	EB	700
2-Butanone (MEK)	MEK	4,900
1,1,1-Trichloroethene	1,1,1-TCA	200
Trichloroethene	TCE	5
1,2,3-Trimethylbenzene	1,2,3-TMB	10
1,2,4-Trimethylbenzene	1,2,4-TMB	15
Toluene	Tol	1,000
Vinyl Chloride	VC	2
m-&p-Xylenes	m-&p-Xyl	190
o-Xylenes	o-Xyl	190
Xylenes, Total	Xyl	10,000
All units show n in µg/L		
NA = Not Analyzed		
NE = Not Established		
BDL = Below Detection Limits		

Rev.	Date	Description	By	Chk

DRAWN BY GML | CADD Review RMK | CHECKED BY NC–MR

Environmental Resources Management

ERM

BON L MANUFACTURING

508 WILSON STREET
KENTLAND, INDIANA

VOCs IN GROUNDWATER

SCALE	PROJECT NUMBER	SHEET	REV.
AS NOTED	0176054	13	
DATE 05/22/14			

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REVISIONS TO BE MADE ON THE CADD FILE ONLY

SELECT METALS IN GROUNDWATER

AOC8-4	12/17/12	
	Total	Dissolved
Aluminum	140,000	BDL
Arsenic	230	2.7
Barium	2,800	63
Beryllium	13	BDL
Cadmium	6	BDL
Chromium, Total	570	BDL
Cobalt	200	1
Iron	360,000	BDL
Lead	320	BDL
Manganese	16,000	3,300
Nickel	550	BDL
Thallium	6	BDL
Vandium	680	BDL

AOC9-1 (MW-11)	10/18/12		3/18/14	
	Total	Dissolved	Total	Dissolved
Aluminum	23,000	220	750	BDL
Arsenic	22	BDL	2.2	BDL
Chromium, Total	100	BDL	BDL	BDL
Cobalt	18	BDL	BDL	BDL
Iron	46,000	270	2,200	BDL
Lead	26	BDL	1.7	BDL
Manganese	1,300	BDL	440	BDL

AOC12-1	10/17/12	
	Total	Dissolved
Aluminum	100,000	64
Arsenic	170	BDL
Beryllium	8.2	BDL
Chromium, Total	270	BDL
Cobalt	79	BDL
Iron	240,000	BDL
Lead	120	BDL
Manganese	2,600	BDL
Nickel	360	BDL
Thallium	6.3	BDL
Vandium	350	BDL

AOC9-2 (MW-12)	10/18/12		3/18/14	
	Total	Dissolved	Total	Dissolved
Arsenic	18	BDL	2.1	1.5
Cobalt	7.6	BDL	BDL	BDL
Iron	28,000	240	2,800	990
Manganese	640	BDL	470	460

AOC18-1	9/28/12	
	Total	Dissolved
Lead	BDL	NA

AOC18-5 (MW-14)	10/24/12
	Total
Lead	6.3

AOC18-3	10/4/12	
	Total	Dissolved
Lead	21	1.5

AOC 20-1 (MW-5)	10/25/12
	Total
Lead	BDL

AOC18-4	10/9/12	
	Total	Dissolved
Lead	BDL	BDL

AOC18-2	10/4/12	
	Total	Dissolved
Lead	26	1.5

AOC20-2 (MW-6)	10/23/12
	Total
Lead	BDL

AOC13-1 (MW-13)	10/24/12		3/18/14	
	Total	Dissolved	Total	Dissolved
Cobalt	9.2	2	BDL	BDL
Manganese	410	BDL	220	240

AOC15-2 (MW-16)	10/24/12
	Total
Lead	BDL

AOC15-2 (MW-16)	10/24/12
	Total
Lead	BDL

AOC15-1	10/9/12
	Total
Lead	12

AOC4-2	10/16/12	
	Total	Dissolved
Aluminum	17,000	5,900
Arsenic	11	4.9

AOC1-7	12/18/12	
	Total	Dissolved
Arsenic	300	17
Cobalt	7.5	3.6
Iron	13,000	BDL
Manganese	420	BDL
Vanadium	150	35

AOC1-1	10/17/12	
	Total	Dissolved
Aluminum	31,000	430
Arsenic	37	BDL
Cobalt	28	BDL
Iron	61,000	470
Lead	43	BDL
Manganese	1,500	BDL
Thallium	2	BDL

AOC1-6 (MW-27)	12/18/12		3/18/14	
	Total	Dissolved	Total	Dissolved
Aluminum	28,000	2,100	6,000	5,100
Antimony	6.4	1	BDL	BDL
Arsenic	350	11	72	9.5
Cobalt	30	3.8	BDL	BDL
Iron	60,000	2,400	12,000	8,100
Lead	31	BDL	7	7.3
Manganese	1,000	53	150	100
Vanadium	260	20	92	81

AOC1-2	10/17/12	
	Total	Dissolved
Aluminum	36,000	BDL
Arsenic	37	BDL
Cobalt	42	3
Iron	68,000	BDL
Lead	61	BDL
Manganese	4,500	500
Vanadium	96	BDL

AOC3-1	10/5/12	
	Total	Dissolved
Aluminum	71,000	79
Arsenic	72	BDL
Chromium, Total	120	BDL
Cobalt	54	0.61
Iron	150,000	BDL
Lead	75	BDL
Manganese	4,100	BDL
Thallium	3.1	BDL
Vanadium	180	BDL

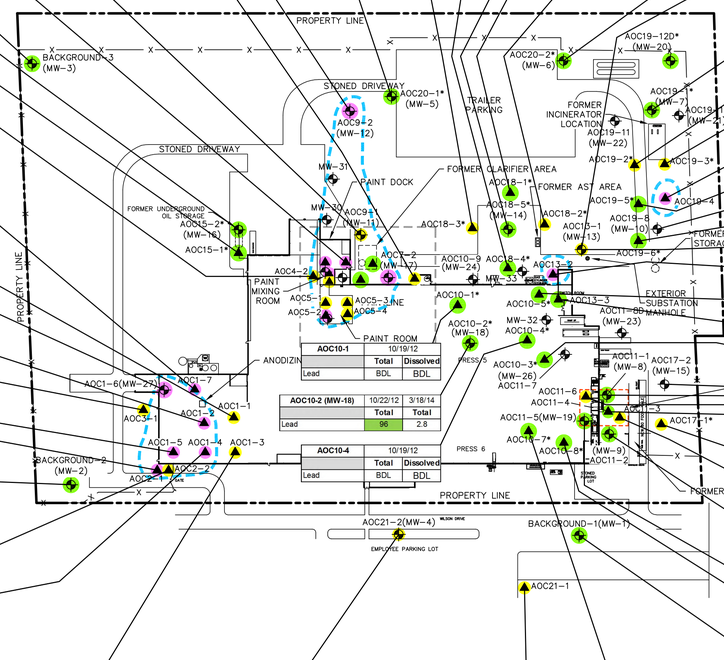
AOC1-5	10/15/12	
	Total	Dissolved
Arsenic	14	BDL
Cobalt	12	0.61
Iron	20,000	690
Manganese	2,100	450

AOC2-1	10/8/12	
	Total	Dissolved
Aluminum	32,000	190
Arsenic	47	BDL
Cobalt	24	0.78
Iron	83,000	390
Lead	45	BDL
Manganese	2,800	780
Thallium	2.1	BDL

Backgrd-2 (MW-2)	10/25/12
	Total
Lead	3.9

AOC2-2	10/8/12	
	Total	Dissolved
Arsenic	12	3.1
Cobalt	10	0.78
Iron	23,000	BDL
Lead	24	BDL
Manganese	470	82

AOC1-4	10/17/12	
	Total	Dissolved
Cobalt	6.1	1.7
Manganese	1,100	900



AOC19-1 (MW-7)	10/23/12
	Total
Lead	BDL

AOC19-2	10/1/12	
	Total	Dissolved
Lead	16	BDL

AOC19-3	10/1/12	
	Total	Dissolved
Lead	26	BDL

AOC19-4	10/3/12	
	Total	Dissolved
Lead	16	BDL
Manganese	NA	670

AOC19-5	10/3/12
	Total
Lead	8

AOC19-8 (MW-10)	10/23/12
	Total
Lead	BDL

AOC19-4	10/3/12
	Total
Lead	14

AOC13-1 (MW-13)	10/24/12		3/18/14	
	Total	Dissolved	Total	Dissolved
Cobalt	9.2	2	BDL	BDL
Manganese	410	BDL	220	240

AOC13-2	10/10/12	
	Total	Dissolved
Aluminum	55,000	550
Arsenic	60	6.3
Chromium, Total	120	BDL
Cobalt	72	34
Iron	110,000	1,300
Lead	75	6.3
Manganese	3,600	410
Thallium	2.2	BDL
Vanadium	160	BDL

AOC10-5	10/19/12	
	Total	Dissolved
Lead	BDL	BDL

AOC13-3	10/19/12
	Total
TAL Metals	Below SLs

AOC10-3	10/19/12
	Total
Lead	10

AOC17-2 (MW-15)	10/24/12
	Total
Lead	2.7

AOC11-1 (MW-8)	10/23/12		3/19/14	
	Total	Dissolved	Total	Dissolved
Arsenic	15	BDL	2.3	4.1
Cobalt	12	0.68	BDL	BDL
Iron	23,000	320	10,000	4,000
Lead	23	BDL	4.8	3.6
Manganese	700	110	240	140

AOC11-4	10/3/12
	Total
TAL Metals	Below SLs

AOC17-1	10/4/12	
	Total	Dissolved
Lead	92	BDL

AOC11-6	10/19/12	
	Total	Dissolved
Aluminum	16,000	160
Arsenic	21	BDL
Cobalt	16	0.84
Iron	34,000	220
Lead	30	BDL
Manganese	1,100	48

AOC11-3	10/3/12	
	Total	Dissolved
Arsenic	26	5.4
Cobalt	10	0.54
Iron	24,000	790
Lead	18	BDL
Manganese	330	27

AOC11-2 (MW-9)	10/23/12
	Total
TAL Metals	Below SLs

AOC11-5/Dup (MW-19)	10/22/12
	Total
TAL Metals	Below SLs

AOC10-8	12/18/12
	Total
Lead	BDL

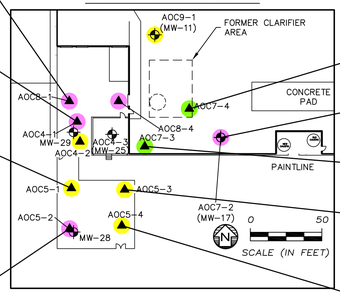
AOC8-1	12/17/12	
	Total	Dissolved
Arsenic	36	BDL
Cobalt	19	7.3
Iron	23,000	190
Manganese	2,100	BDL

AOC4-1	10/16/12	
	Total	Dissolved
Arsenic	16	4.7
Cobalt	4.9	2.7
Iron	39,000	880
Manganese	4,100	3,500

AOC5-1	10/16/12	
	Total	Dissolved
Aluminum	17,000	3,300
Arsenic	17	2.7
Cobalt	14	1.7
Iron	32,000	4,100
Lead	24	2.1
Manganese	780	40

AOC5-2	10/16/12	
	Total	Dissolved
Aluminum	110,000	160
Arsenic	200	BDL
Beryllium	8.1	BDL
Chromium, Total	300	BDL
Cobalt	100	0.97
Iron	270,000	240
Lead	170	BDL
Manganese	6,600	400
Nickel	410	12
Thallium	6.6	BDL
Vanadium	380	BDL

PAINT ROOM ENLARGEMENT AREA



AOC7-4	10/11/12
	Total
TAL Metals	Below SLs

AOC7-2/Dup (MW-17)	10/24/12	
	Total	Dissolved
Cobalt	5.9/5.7	3.7
Manganese	2,500/2,500	2,600

AOC7-3	10/11/12
	Total
TAL Metals	Below SLs

AOC5-4	10/16/12	
	Total	Dissolved
Cobalt	6.8	BDL
Manganese	2,000	BDL

AOC5-3	10/16/12	
	Total	Dissolved
Aluminum	16,000	220
Arsenic	13	BDL
Cobalt	19	BDL
Iron	22,000	240
Lead	23	BDL
Manganese	3,200	25

AOC1-3	10/15/12	
	Total	Dissolved
Arsenic	16	BDL
Iron	11,000	140
Manganese	440	12

AOC21-2 (MW-4)	3/19/14	
	Total	Dissolved
Iron	27,000	2,600
Lead	26	5.5
Manganese	410	46

AOC21-1	9/26/12	
	Total	Dissolved
Arsenic	38	BDL
Cobalt	11	BDL
Iron	44,000	370
Lead	34	BDL
Manganese	350	9.9

AOC10-7	12/18/12
	Total
Lead	8

Backgrd-1 (MW-1)	10/25/12
	Total
TAL Metals	Below SLs

Compound	RGWSL
Aluminum	16,000
Antimony	6
Arsenic	10
Barium	2,000
Beryllium	4
Cadmium	5
Chromium, Total	100
Cobalt	4.7
Copper	1,300
Iron	11,000
Lead	15
Manganese	320
Mercury	2
Nickel	300
Selenium	50
Silver	71
Thallium	2
Tin	9,300
Vanadium	78
Zinc	4,700

All Results shown in ug/L
BDL = Below Detection Limit
SL = Screening Level
RGWSL = Residential Groundwater Screening Level

N

0 120 240
SCALE (IN FEET)

LEGEND
- MONITORING WELL LOCATIONS
- SOIL BORING LOCATIONS
- FENCE
- APPROXIMATE AREA WHERE DISSOLVED As, Co, Mn, AND/OR V IN SHALLOW GROUNDWATER EXCEEDED ROWT (SEE TABLE 12)
- TOTAL METALS LESS THAN APPLICABLE RSL
- DISSOLVED METALS GREATER THAN APPLICABLE RSL
- BOTH TOTAL AND DISSOLVED METALS GREATER THAN APPLICABLE RSL
- * SAMPLE LOCATION ONLY ANALYZED FOR LEAD

Rev.	Date	Description	By	Chk

DRAWN BY GML | CADD Review RMK | CHECKED BY MR

ERM

Environmental Resources Management

BON L MANUFACTURING

508 WILSON STREET
KENTLAND, INDIANA

SELECT METALS IN GROUNDWATER

SCALE	PROJECT NUMBER	SHEET	REV.
1"=120'	0176054	FIGURE 14	
DATE 11/3/14			

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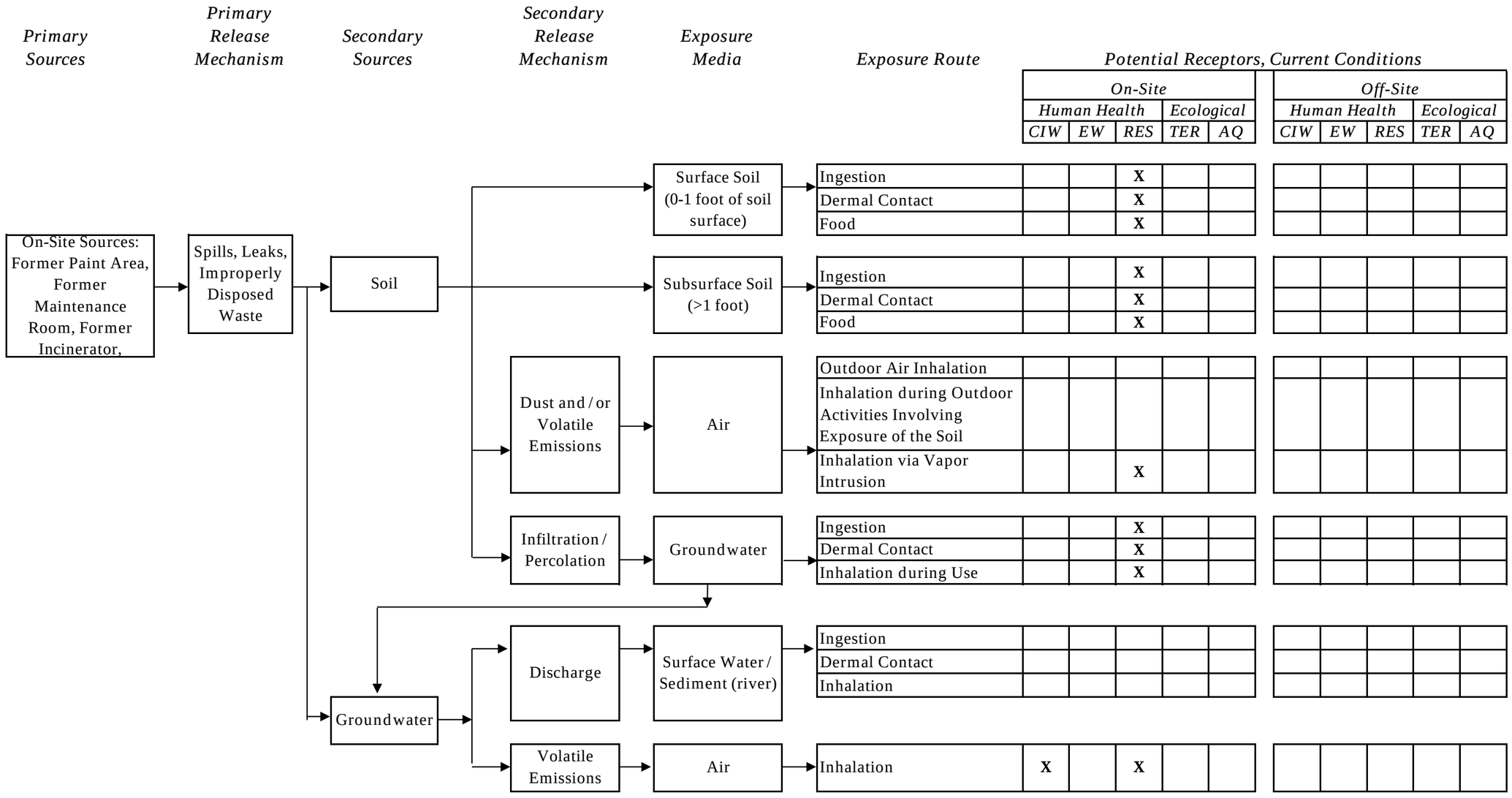
REVISIONS TO BE MADE ON THE CADD FILE ONLY

Figure 15
Conceptual Site Model
Bon L Manufacturing Company
500 Wilson Street, Kentland, Indiana



Notes:

AQ = Aquatic ecological receptor
CIW = Commercial/Industrial worker
EW = Excavation worker
RES = Resident
TER = Terrestrial ecological receptor
X = Potential receptor of concern

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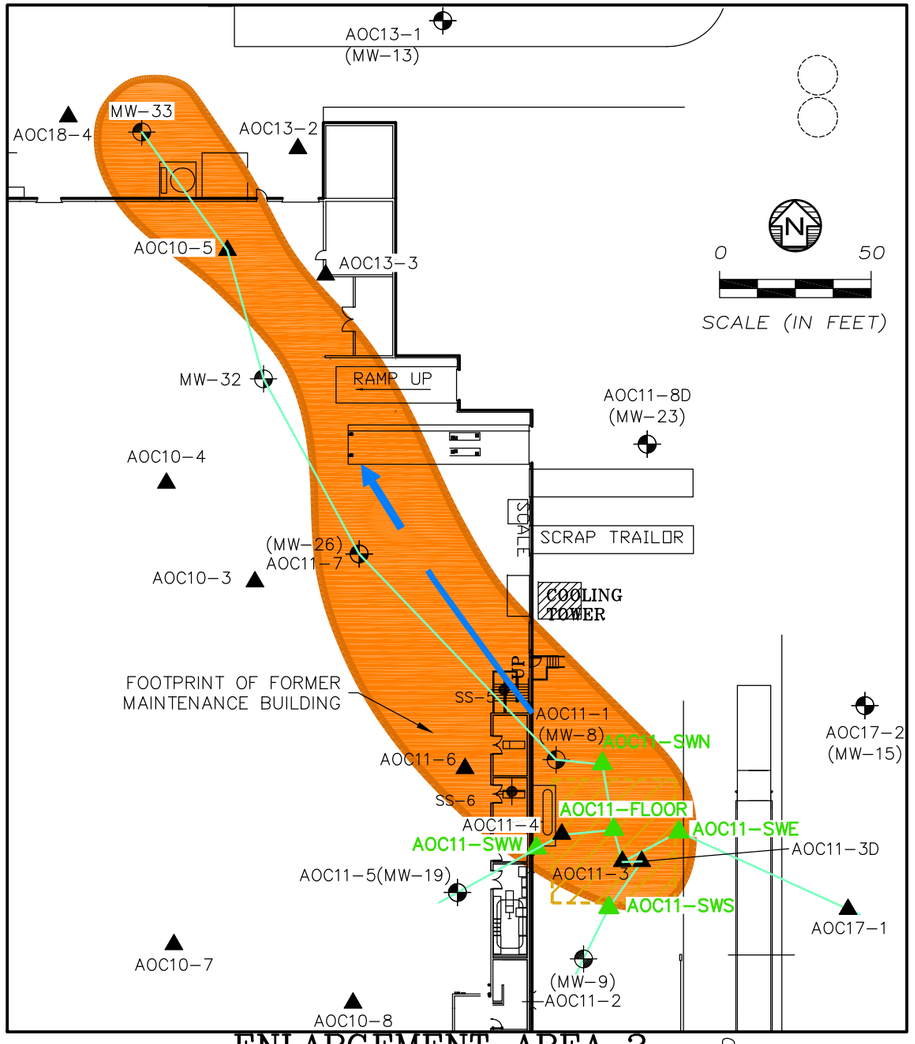
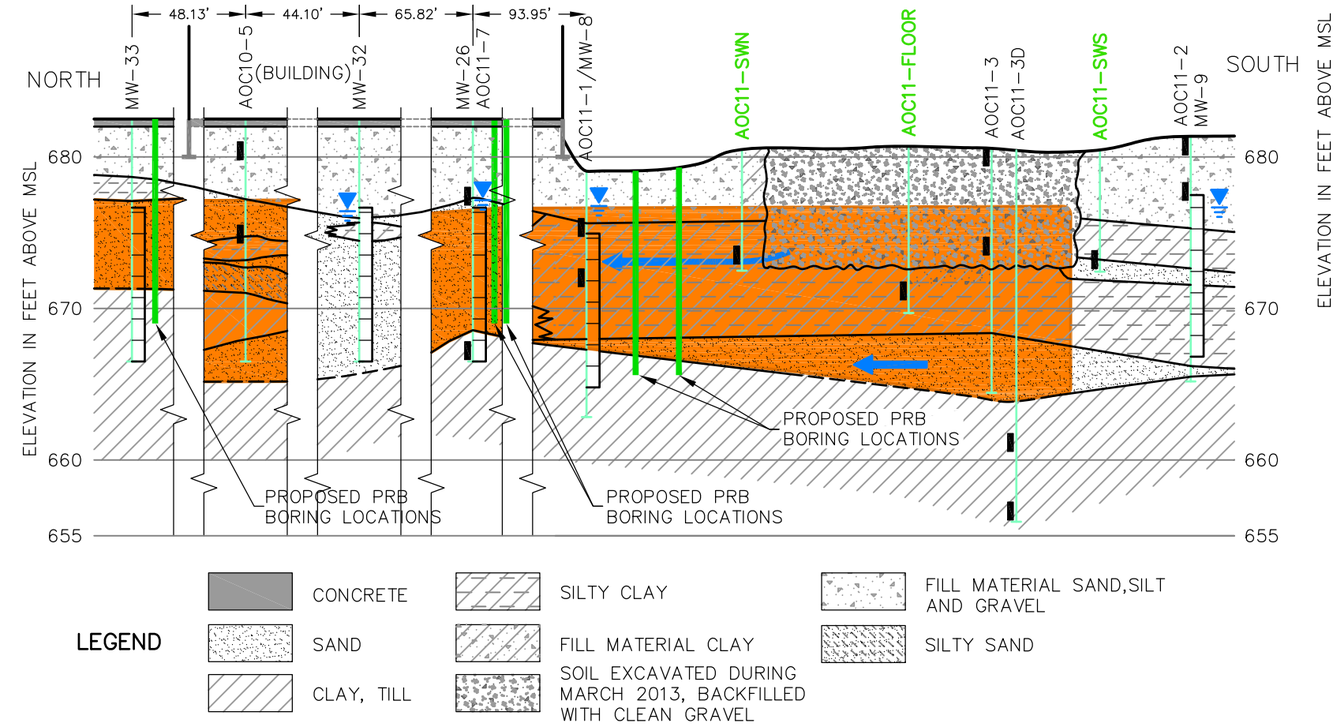
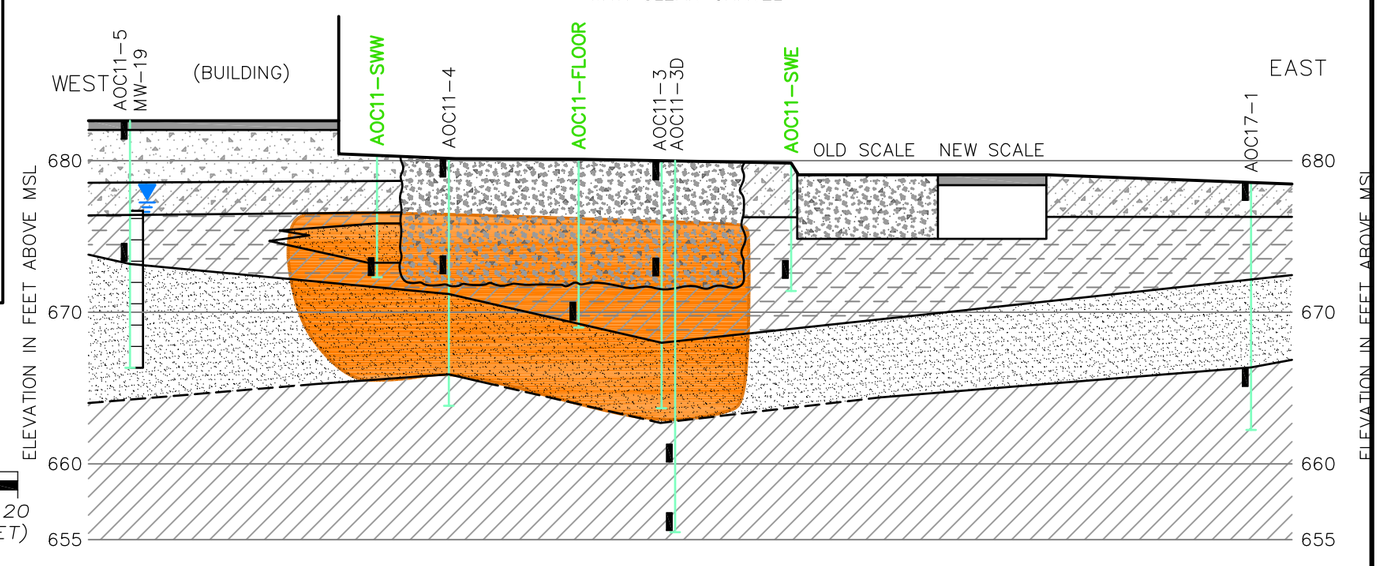


ENLARGEMENT AREA 2



LEGEND

- CONCRETE
- SAND
- CLAY, TILL
- SILTY CLAY
- FILL MATERIAL CLAY
- SOIL EXCAVATED DURING MARCH 2013, BACKFILLED WITH CLEAN GRAVEL
- FILL MATERIAL SAND,SILT AND GRAVEL
- SILTY SAND



LEGEND

- MONITORING WELL LOCATION
- 2012 SOIL BORING LOCATION
- 2013 POST EXCAVATION SIDEWALL (SW) OR FLOOR SAMPLE LOCATION
- MARCH 2013 SOIL EXCAVATION
- CROSS SECTION TRACE
- APPROXIMATE EXTENT OF FORMER MAINTENANCE BUILDING GROUND WATER PLUME TCE, cDCE, AND/OR VC GREATER THAN RESIDENTIAL SCREENING LEVELS
- SOIL SAMPLE INTERVAL–RESULTS SHOWN ON FIG. 12
- MONITORING WELL OR SOIL BORING
- SCREENED INTERVAL–GROUNDWATER RESULTS SHOWN ON FIG. 13
- FLOW DIRECTION
- WATER WELL SHOWING STATIC WATER LEVEL

10 0 0 20
SCALE (IN FEET)

SOURCE: ERM, ENVIRONMENTAL RESOURCES MANAGEMENT, 8/21/12–8/21/14

BON L MANUFACTURING
508 WILSON STREET
KENTLAND, INDIANA

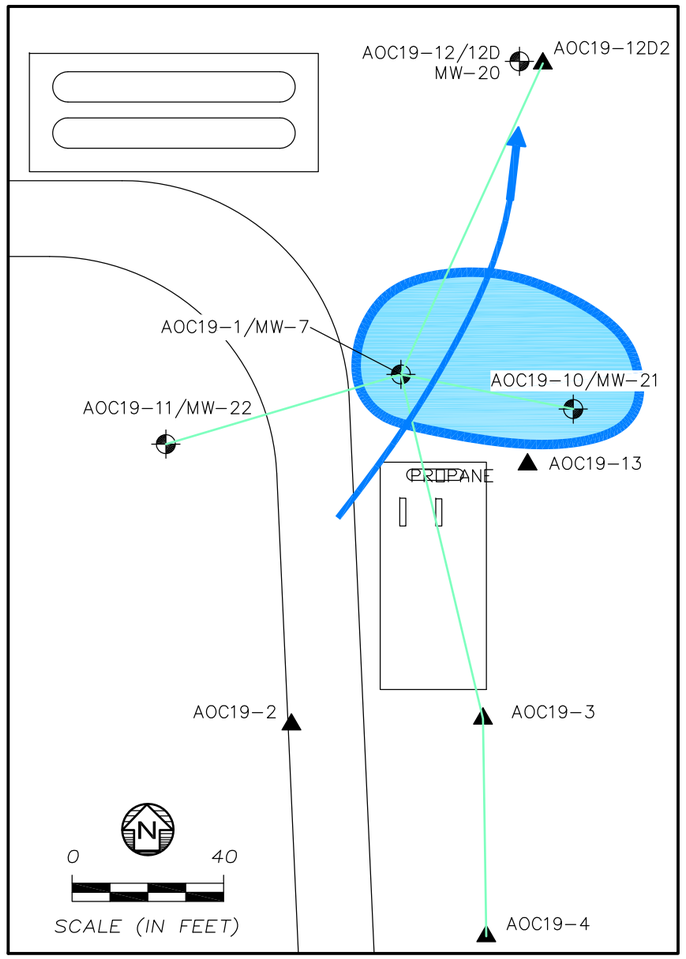
amec foster wheeler
AMEC Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

FORMER MAINTENANCE BUILDING AREA

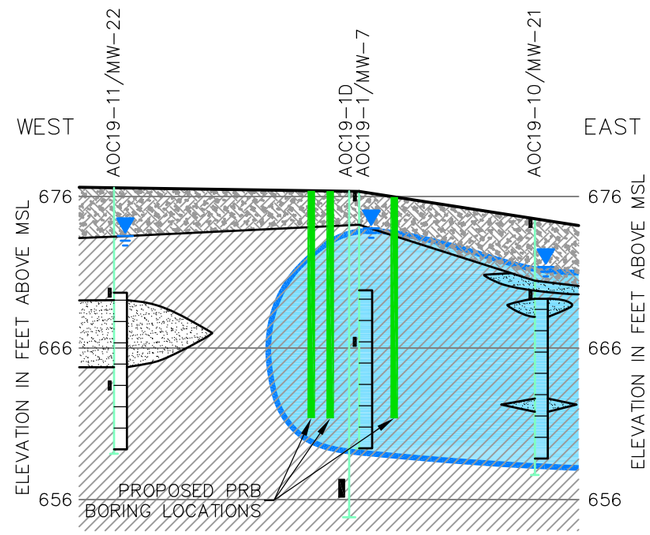
JOB NO. 6123150107.02

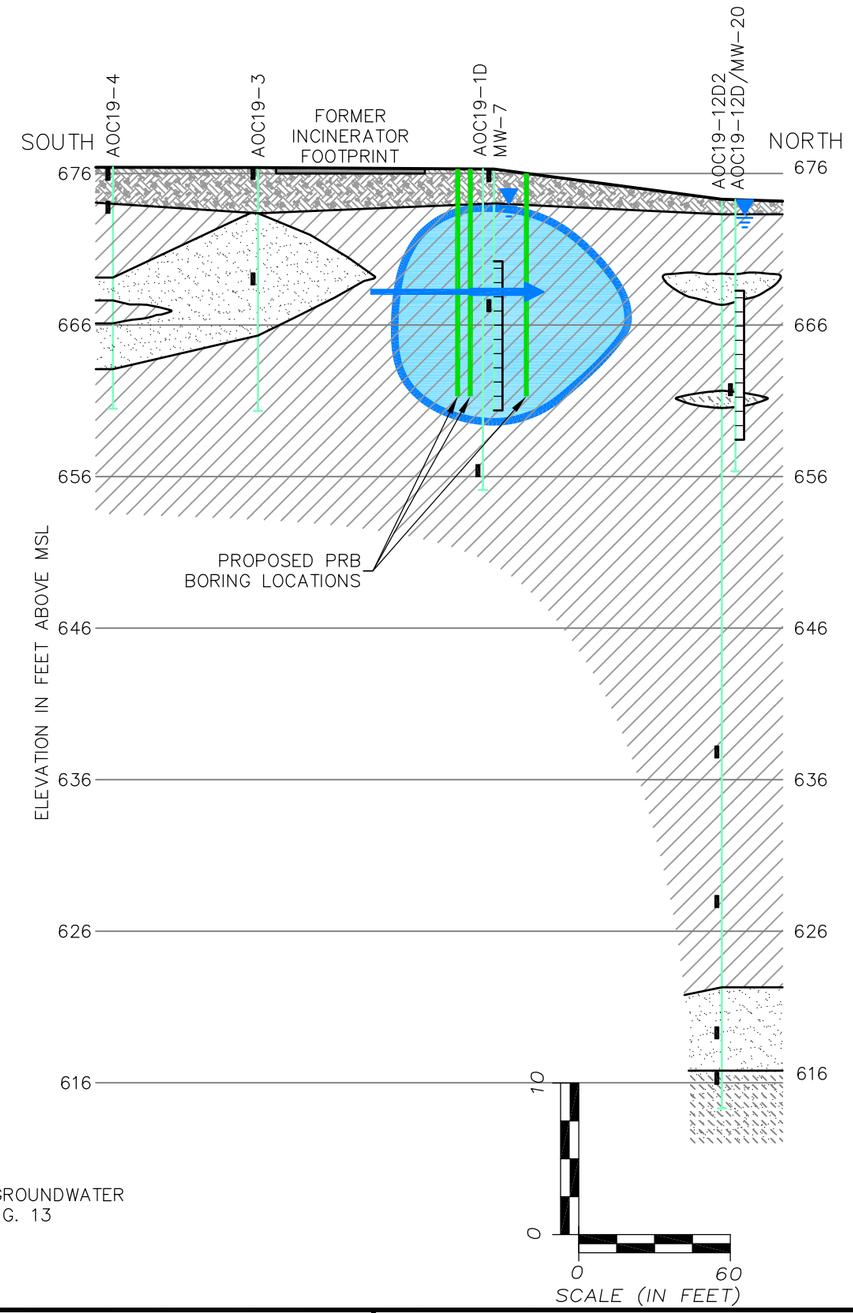
FIGURE 16A

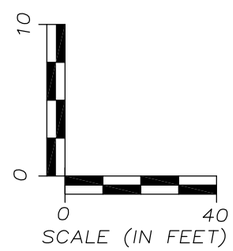
PREPARED BY/DATE
CHECKED BY/DATE



ENLARGEMENT AREA 3







LEGEND

- MONITORING WELL LOCATION
- 2012 SOIL BORING LOCATION
- CROSS SECTION TRACE
- SOIL SAMPLE INTERVAL – RESULTS SHOWN ON FIG. 12
- APPROXIMATE EXTENT OF FORMER INCINERATOR GROUNDWATER PLUME – TCE AND/OR VC GREATER THAN RESIDENTIAL SCREENING LEVELS
- FLOW DIRECTION

LEGEND

- SAND
- CLAY
- TOPSOIL/FILL
- SANDY SILT
- MONITORING WELL OR SOIL BORING
- SCREENED INTERVAL–GROUNDWATER RESULTS SHOWN ON FIG. 13
- WATER WELL SHOWING STATIC WATER LEVEL

SOURCE: ERM, ENVIRONMENTAL RESOURCES MANAGEMENT, 8/21/12/–8/20/14

BON L MANUFACTURING
508 WILSON STREET
KENTLAND, INDIANA

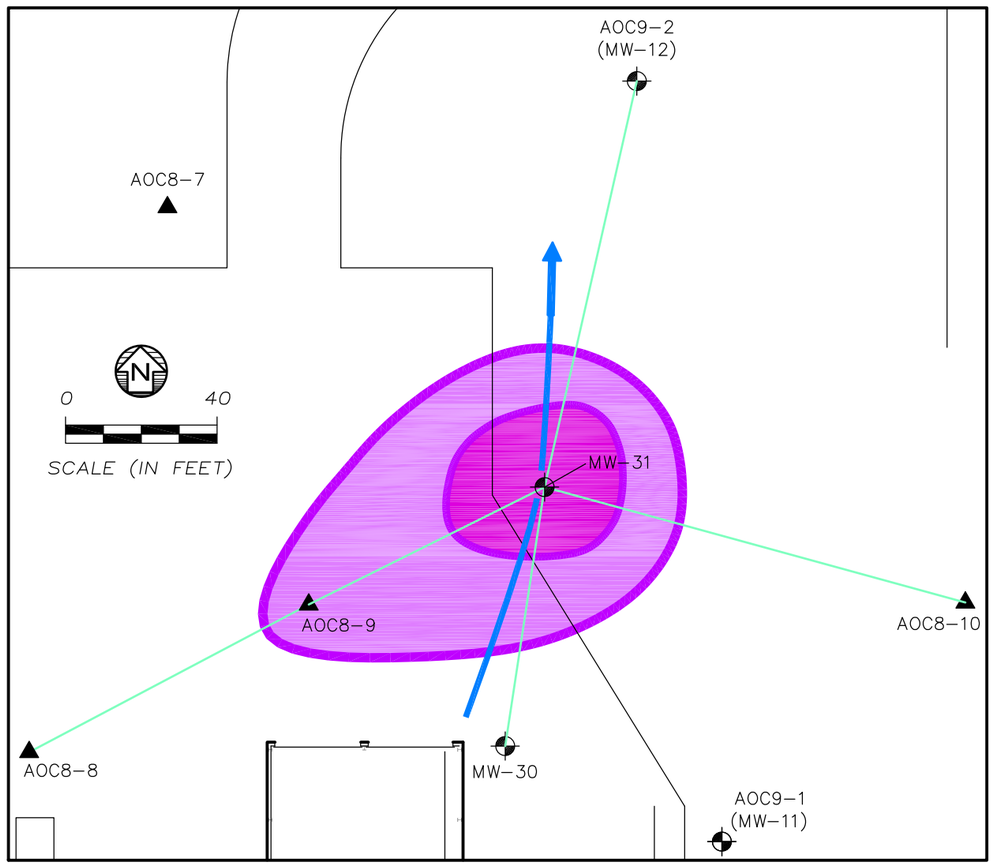
amec foster wheeler
AMEC Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

FORMER INCINERATOR AREA

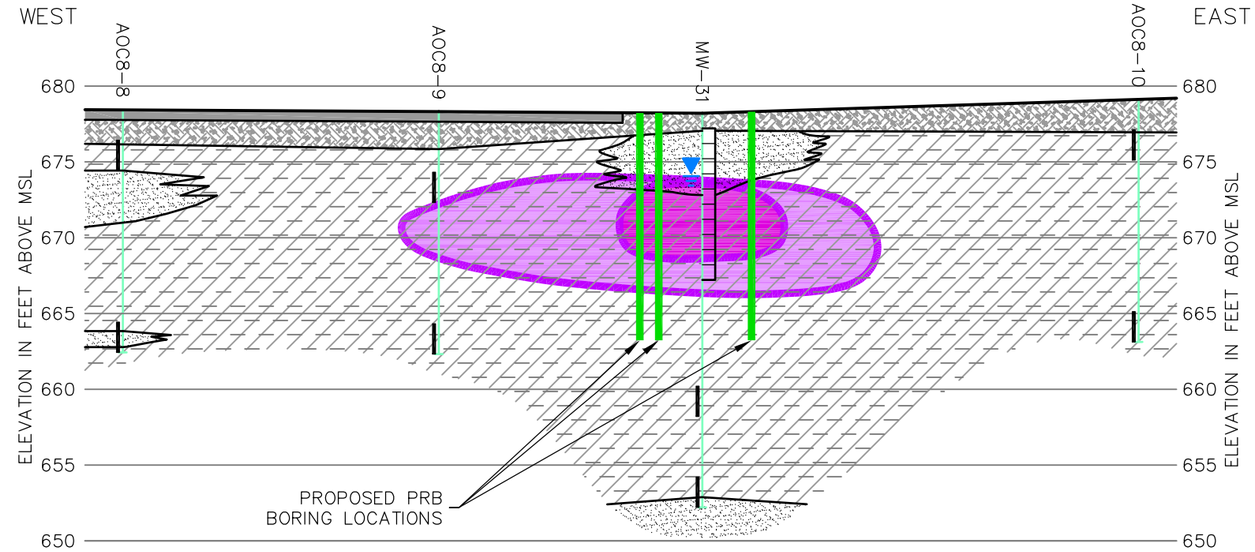
JOB NO. 6123150107.02

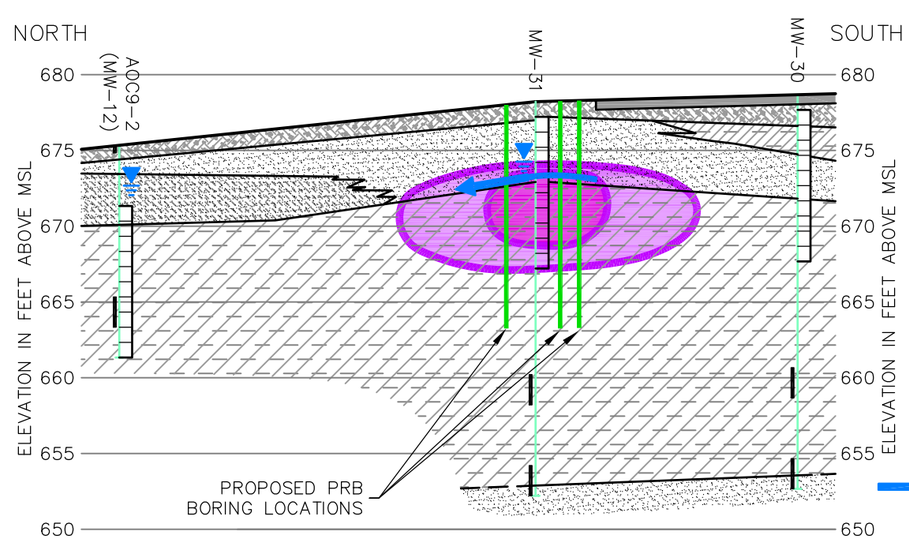
FIGURE 16B

PREPARED BY/DATE
CHECKED BY/DATE



ENLARGEMENT AREA 4





LEGEND

- ASPHALT
- SAND
- SILTY CLAY
- TOPSOIL/FILL
- SANDY SILT
- MONITORING WELL OR SOIL BORING
- SCREENED INTERVAL–GROUNDWATER RESULTS SHOWN ON FIG. 13
- WATER WELL SHOWING STATIC WATER LEVEL
- GROUNDWATER FLOW DIRECTION

LEGEND

- SOIL BORINGS CONVERTED TO MONITORING WELL LOCATION
- SOIL BORING LOCATION
- CROSS SECTION TRACE
- SOIL SAMPLE INTERVAL–RESULTS SHOWN ON FIG. 12
- FLOW DIRECTION
- APPROXIMATE EXTENT OF EXTERIOR PAINT DOCK AREA GROUNDWATER PLUME – TCE, CDCE, 1,2-DCA, AND VC GREATER THAN RESIDENTIAL SCREENING LEVELS
- APPROXIMATE EXTENT OF EXTERIOR PAINT DOCK AREA GROUNDWATER PLUME – WHERE 1,2 DCA IS >10x RESIDENTIAL SCREENING LEVELS

10
0
0
40
SCALE (IN FEET)

SOURCE: ERM, ENVIRONMENTAL RESOURCES MANAGEMENT, 8/21/12/–8/20/14

BON L MANUFACTURING
508 WILSON STREET
KENTLAND, INDIANA

amec foster wheeler
AMEC Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

EXTERIOR PAINT DOCK AREA

JOB NO. 6123150107.02

FIGURE 16C

PREPARED BY/DATE
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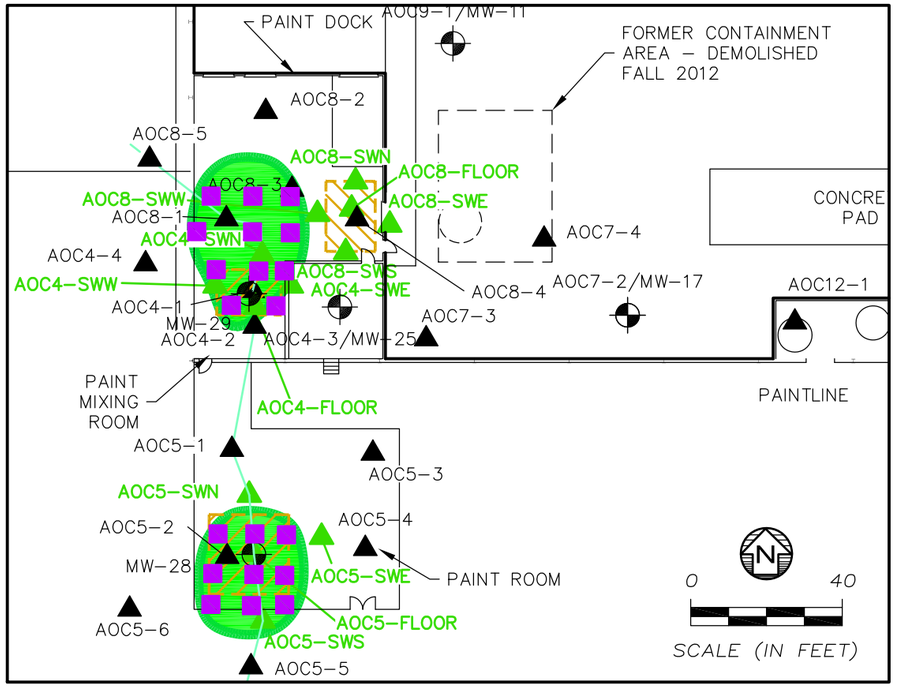


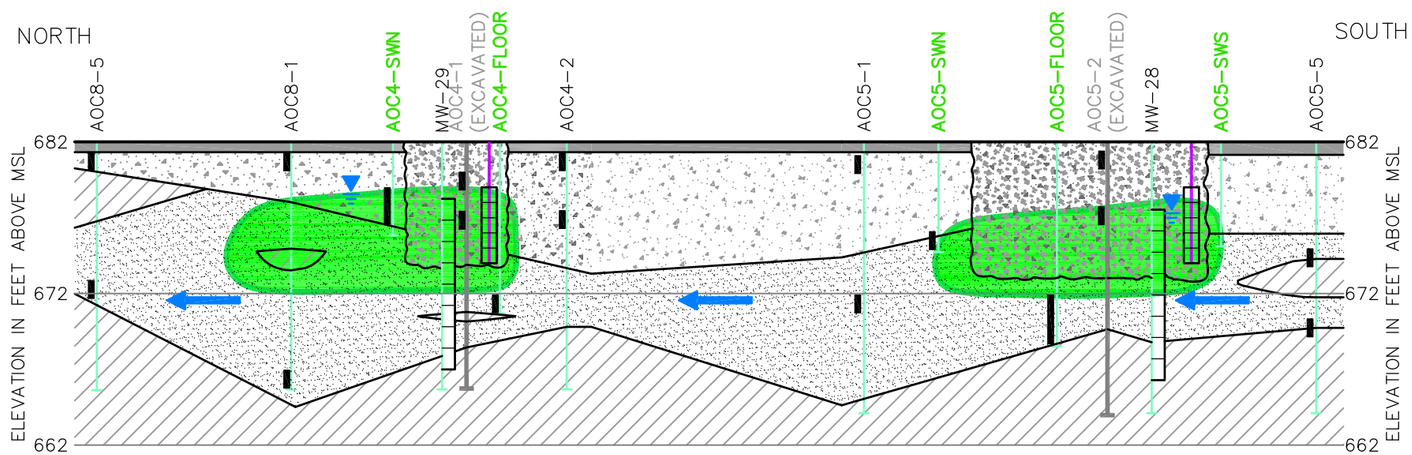
ENLARGEMENT AREA 1

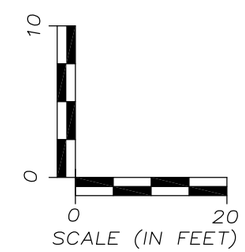
LEGEND

- MONITORING WELL LOCATION
- PROPOSED BIOVENTING LOCATION
- SOIL BORING LOCATION
- 2013 POST EXCAVATION CONFIRMATION SAMPLE LOCATION
- MARCH 2013 SOIL EXCAVATION
- CROSS SECTION TRACE
- APPROXIMATE EXTENT OF PAINTING AREA GROUNDWATER PLUME – XYLENES, MEK, ETHYLBENZENE, AND/OR NAPHTHALENE GREATER THAN RESIDENTIAL SCREENING LEVELS
- GROUNDWATER FLOW DIRECTION

LEGEND

- CONCRETE
- SAND
- CLAY
- CLEAN FILL
- FILL
- SOIL SAMPLE INTERVAL–RESULTS SHOWN ON FIG. 12
- MONITORING WELL OR SOIL BORING
- STATIC WATER LEVEL
- SCREENED INTERVAL–GROUNDWATER RESULTS SHOWN ON FIG. 13
- PROPOSED SULFATE SOLUTION INJECTION WELL
- SCREENED INTERVAL





SOURCE: ERM, ENVIRONMENTAL RESOURCES MANAGEMENT, 8/21/12/–7/26/13

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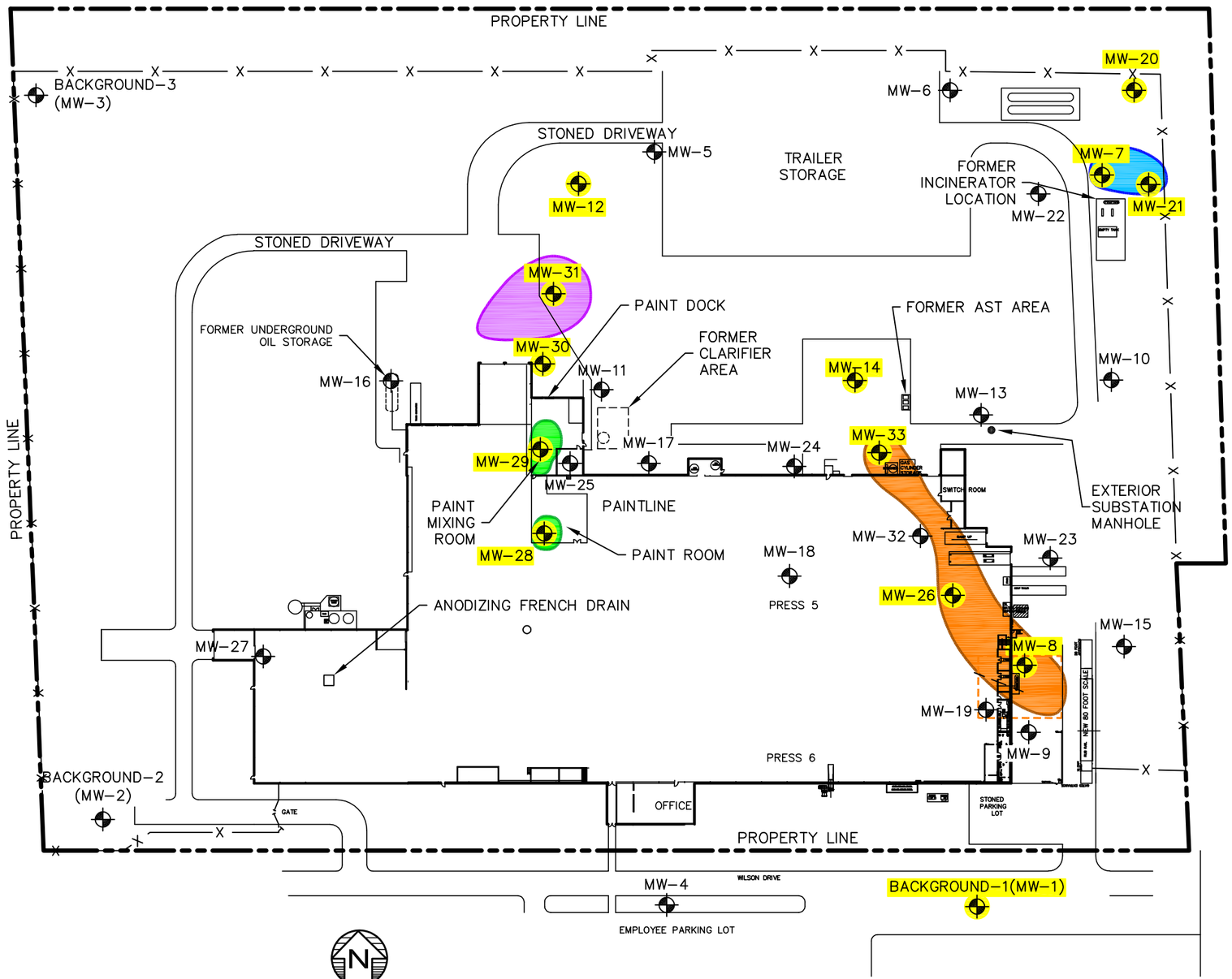
PAINT ROOM TREATMENT AREA

JOB NO. 6123150107.02

FIGURE 17

PREPARED BY/DATE
CHECKED BY/DATE

PROPOSED GROUNDWATER CLOSURE MONITORING LOCATIONS FOR VOCs

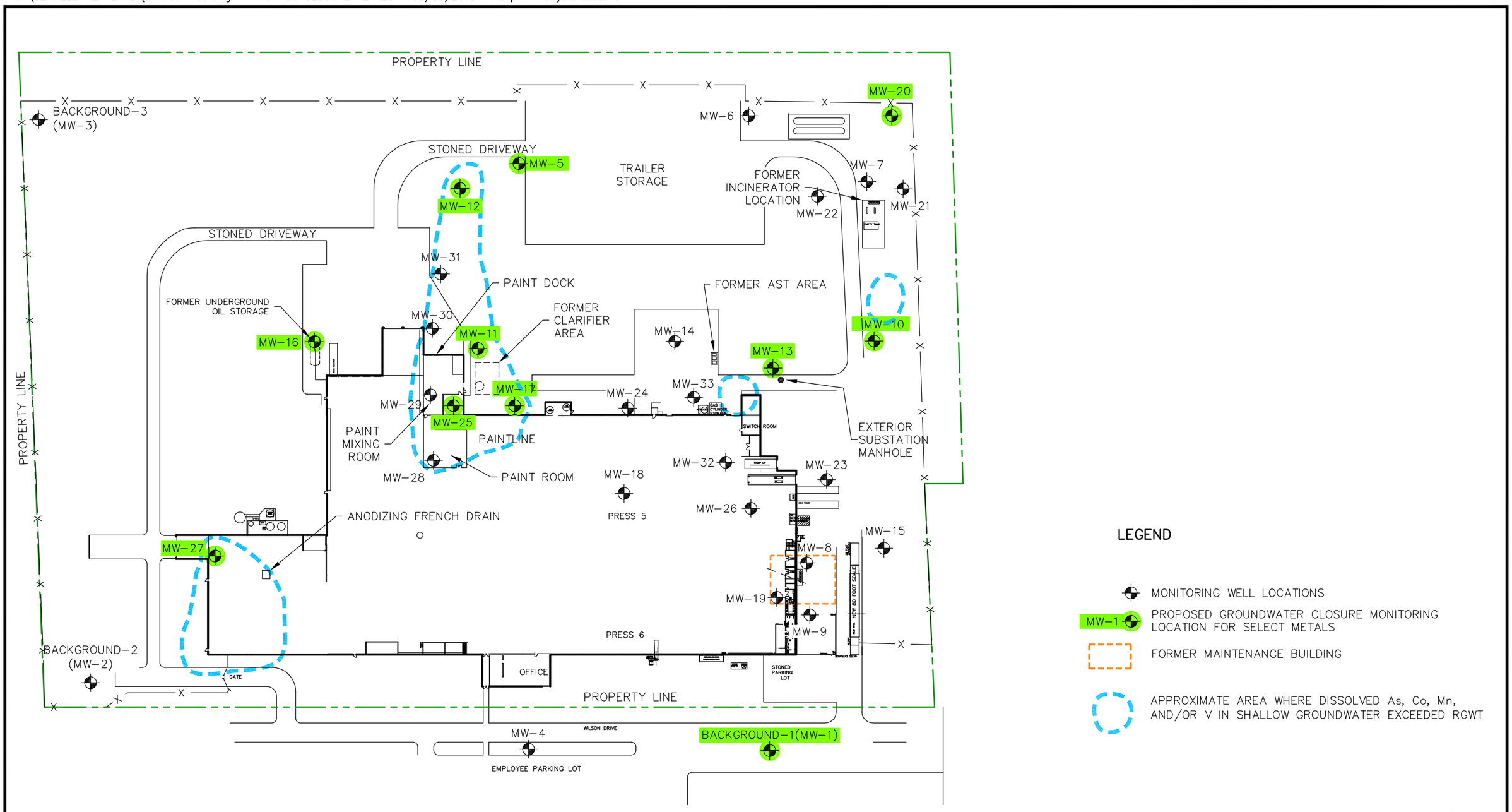


LEGEND

- MONITORING WELL LOCATIONS
- MW-1 PROPOSED GROUNDWATER CLOSURE MONITORING LOCATIONS
- FORMER MAINTENANCE BUILDING
- APPROXIMATE EXTENT OF FORMER MAINTENANCE BUILDING PLUME – TCE, cDCE, AND/OR VC GREATER THAN RESIDENTIAL SCREENING LEVELS
- APPROXIMATE EXTENT OF FORMER INCINERATOR PLUME – TCE AND/OR VC GREATER THAN RESIDENTIAL SCREENING LEVELS
- APPROXIMATE EXTENT OF PAINTING AREA PLUME – XYLENES, MEK, ETHYLBENZENE, AND/OR NAPHTHALENE GREATER THAN RESIDENTIAL SCREENING LEVELS
- APPROXIMATE EXTENT OF EXTERIOR PAINT DOCK AREA PLUME – TCE, CDCE, 1,2-DCA, AND VC GREATER THAN RESIDENTIAL SCREENING LEVELS

Drawn By GML	ERM	**BON L MANUFACTURING** 508 WILSON STREET KENTLAND, INDIANA	CHK'D NC-IND
CADD Review RMK			0176054
Date Drawn/Rev'd 8/21/12-5/7/14		Environmental Resources Management	FIGURE 18

R:\Cadd\ChtA-D\BON L MANUFACTURING\0176054\0176054-09.dwg, PROP GW CLOSURE, 11/3/2014 2:19:40 PM, GML



SOURCE: ERM, ENVIRONMENTAL RESOURCES MANAGEMENT, 10/17/14

BON L MANUFACTURING
508 WILSON STREET
KENTLAND, INDIANA

amec foster wheeler
AMEC Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

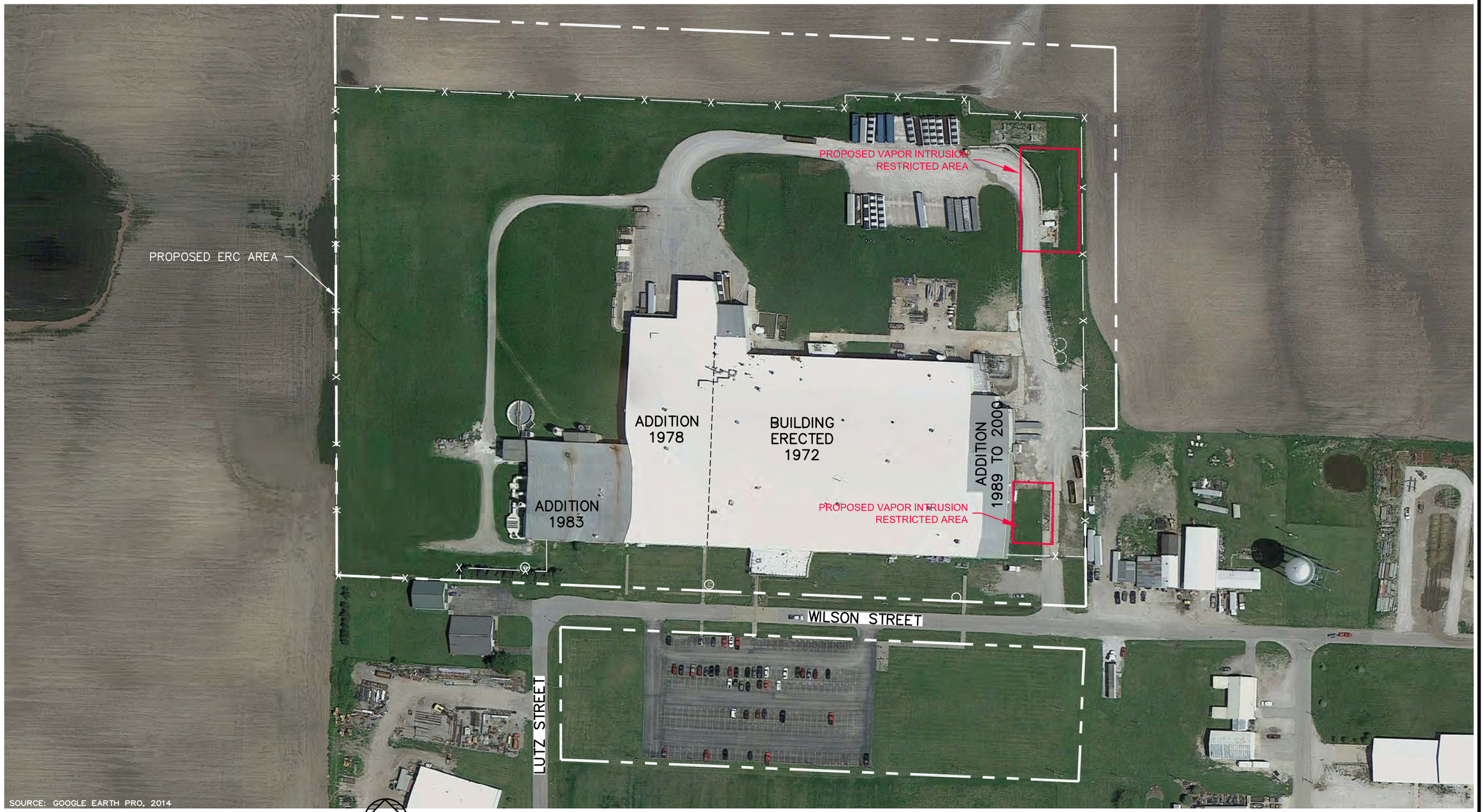
PROPOSED GROUNDWATER CLOSURE
MONITORING LOCATIONS
FOR SELECT METALS

JOB NO. 6123150107.02

FIGURE 19

PREPARED BY/DATE
CHECKED BY/DATE

PROPOSED ERC AREA



N

0 150 300

SCALE (IN FEET)

Drawn By GML	BON L MANUFACTURING 508 WILSON STREET KENTLAND, INDIANA	CHK'D ME
CADD Review FGB		0176054
Date Drawn/Rev'd 8/28/12–10/18/14	Environmental Resources Management	FIGURE 20

ERM®

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TABLES

- Table 1 Area of Concern Summary
- Table 2 Contaminants of Concern for which a Covenant Not to Sue is Being Sought
- Table 3 Geotechnical Analytical Results
- Table 4 Monitoring Well Locations and Groundwater Elevations
- Table 5 Physical Characteristics of Site Contaminants of Concern
- Table 6 Soil Analytical Results - VOCs
- Table 7 Soil Analytical Results - SVOCs
- Table 8 Soil Analytical Results - Metals
- Table 9 2013 Soil Confirmation Sample Results
- Table 10 Groundwater Analytical Results – VOCs and SVOCs
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- Table 12 Vapor Intrusion Assessment Analytical Results
- Table 13 Community Relations Mailing List

Table 1
Area of Concern Summary
Bon L Manufacturing Company
508 Wilson Street
Kentland, Indiana

AOC Number	AOC Name	AOC Justification	Analytical Parameters									
			VOCs TCL by Method 8260B/5035A	SVOCs TCL by Method 8270C	PAHs by Method 8270C	Modified TAL Metals by Methods 6020 and 7470/7471	Total Lead by Method 6020	Chromium VI by Method 7196A (Soil) and Method 218.6 (Water)	Cyanide by Method 335.4	Chloride, Fluoride, Nitrogen-Nitrate, and Sulfate by Method 9056	Propylene Glycol, Ethylene Glycol, and n-Butyl Alcohol by Method 8015B	PCBs by Method 8081/8082
1	Anodizing Recessed Floor Area	Visible staining from undocumented historic releases.		X		X			X	X		
2	Bulk Chemical Unloading and Tanks	Potential undocumented releases during loading and unloading.		X		X			X	X		
3	West Doorway	Stressed vegetation.		X		X			X	X		
4	Paint Mixing Room	Visible staining from historic handling of paint and non-halogenated solvent.	X			X					X	
5	Paint Booth Room	Visible staining from historic use of paints and non-halogenated solvents. Oily liquid present in pipe chase.	X		X	X					X	
6	Vault Beneath Paint Preparation Line	Visible staining	X	X		X		X				
7	Clarifier Containment and Spent Solvent Area	Documented soil impacts of F019 waste, fuel oil, and paint solvents.	X		X	X					X	
8	Paint Dock Area	Potential historic releases from paint/solvent/chromic acid containers.	X			X		X			X	
9	Exterior Paint Dock Area	Potential historic releases from solvent and paint storage containers.	X			X		X			X	
10	Former Press Lines	Visible oily staining on floor. Oily liquid present in vaults beneath former presses.	X	X	X	X	X					
11	Former Maintenance Shop and Pressure Wash Area	Forklifts and other equipment cleaned on ground north of building. Used unknown solvents in the building.	X	X		X						
12	Die Cleanout Area	Floor visibly stained from handling caustic and solvents.	X	X		X				X		
13	Oil-Water Separator and Associated Sump	Oil staining at surface along east side of structure.	X	X	X	X						
14	Electrical Substation	Possible PCBs usage	X		X		X					X
15	Possible Fuel Oil UST (shown on historic map), Former Trash Incinerator, and Trash Compactor	Potential leakage from UST and compactor	X		X		X					
16	Former Scale Pit	Filled with undocumented concrete debris from the Site.										
17	Scrap Roll Off Bin Staging Area	Oily water historically observed seeping from scrap metal roll-off bins.	X		X		X					
18	Boneyard Concrete Pad	Visual evidence of staining, runoff ponding, and cracked concrete.	X		X		X					
19	Former Fuel Oil ASTs, Drainage Ditch,Incinerator, and Transfer Line	Possible surface spillage of fuel oil	X		X		X					
20	Trailer Parking Area	Earthen swales draining trailer parking area.	X		X		X					
21	Employee Parking Lot	Possible minor spillage of motor oil, fuels, and antifreeze.	X		X		X				X	
NA	Background Soil Borings and Monitoring Wells	To determine groundwater flow direction and background COC concentrations at the Site boundary.	X	X		X				X		

Table 2
Contaminants of Concern for Which a Covenant Not to Sue is Being Sought
Bon L Manufacturing Company
508 Wilson Street
Kentland, Indiana

		Remedial Objective			
	CAS Number	On-Site Soil [1] (ug/kg)	Perimeter of Compliance Soil [2] (ug/kg)	On-Site Groundwater	Perimeter of Compliance Groundwater [3] (ug/L)
Volatile Organic Compounds					
Acetone	67-64-1	100,000,000	85,000,000	Non-numeric	12,000
Benzene	71-43-2	54,000	15,000	Non-numeric	5
Bromodichloromethane	75-27-4	14,000	3,800	Non-numeric	80
Bromoform	75-25-2	2,200,000	870,000	Non-numeric	80
Bromomethane	74-83-9	32,000	10,000	Non-numeric	7
2-Butanone (MEK)	78-93-3	28,000,000	28,000,000	Non-numeric	4,900
n-Butylbenzene	104-51-8	110,000	110,000	Non-numeric	780
sec-Butylbenzene	135-98-8	150,000	150,000	Non-numeric	1,600
Carbon disulfide	75-15-0	740,000	740,000	Non-numeric	720
Carbon Tetrachloride	56-23-5	30,000	8,500	Non-numeric	5
Chlorobenzene	108-90-7	760,000	410,000	Non-numeric	100
Chloroethane (ethyl chloride)	75-00-3	2,100,000	2,100,000	Non-numeric	21,000
Chloroform	67-66-3	15,000	4,100	Non-numeric	80
Chloromethane	74-87-3	500,000	170,000	Non-numeric	190
Cyclohexane	87-84-3	120,000	120,000	Non-numeric	13,000
Dibromochloromethane	124-48-1	33,000	9,500	Non-numeric	80
1,2-Dibromoethane	106-93-4	1,700	480	Non-numeric	0.05
1,2-Dibromo-3-Chloropropane	96-12-8	690	76	Non-numeric	0.2
1,2-Dichlorobenzene	95-50-1	380,000	380,000	Non-numeric	600
1,4-Dichlorobenzene	106-46-7	120,000	34,000	Non-numeric	75
Dichlorodifluoromethane	75-71-8	400,000	130,000	Non-numeric	190
1,1-Dichloroethane	75-34-3	170,000	46,000	Non-numeric	24
1,2-Dichloroethane	107-06-2	22,000	6,000	Non-numeric	5
1,1-Dichloroethene	75-35-4	1,100,000	340,000	Non-numeric	7
1,2,-Dichloroethene, Total	540-59-0	1,300,000	980,000	Non-numeric	130
cis-1,2-Dichloroethene	156-59-2	2,000,000	220,000	Non-numeric	70
trans-1,2-Dichloroethene	156-60-5	690,000	210,000	Non-numeric	100
Ethylbenzene	100-41-4	270,000	76	Non-numeric	700
2-Hexanone	591-78-6	1,400,000	290,000	Non-numeric	34
Isopropylbenzene (Cumene)	98-82-8	270,000	270,000	Non-numeric	390
Methyl Acetate	79-20-9	29,000,000	29,000,000	Non-numeric	16,000
Methylene Chloride	75-09-2	3,100,000	500,000	Non-numeric	5
4-Methyl-2-pentanone (MIBK)	108-10-1	3,400,000	3,400,000	Non-numeric	1,000
Methyl tert-butyl ether	1634-04-4	2,200,000	600,000	Non-numeric	120
Naphthalene	91-20-3	180,000	50,000	Non-numeric	1.4
N-Propylbenzene	103-65-1	260,000	260,000	Non-numeric	530
Styrene	100-42-5	870,000	870,000	Non-numeric	100
Tetrachloroethene	127-18-4	170,000	120,000	Non-numeric	5
1,1,2,2-Tetrachloroethane	79-34-5	28,000	27,000	Non-numeric	0.66
Toluene	108-88-3	820,000	820,000	Non-numeric	1,000
1,2,4-Trichlorobenzene	120-82-1	270,000	87,000	Non-numeric	70
1,1,1-Trichloroethane	71-55-6	640,000	640,000	Non-numeric	200
1,1,2-Trichloroethane	79-00-5	6,800	2,200.0	Non-numeric	5
Trichloroethene	79-01-6	20,000	6,200	Non-numeric	5
Trichlorofluoromethane	75-69-4	1,200,000	1,100,000	Non-numeric	1,100
1,1,2-Trichlorotrifluoroethane	76-13-1	910,000	910,000	Non-numeric	53,000
1,2,3-Trimethylbenzene	526-73-8	220,000	74,000	Non-numeric	10
1,2,4-Trimethylbenzene	95-63-6	220,000	87,000	Non-numeric	15
Vinyl chloride	75-01-4	660,000	840	Non-numeric	2
Xylenes, Total	1330-20-7	260,000	260,000	Non-numeric	10,000
Metals					
Aluminum	7429-90-5	100,000,000	100,000,000	Non-numeric	16,000
Antimony	7440-36-0	410,000	43,000	Non-numeric	6
Arsenic	7440-38-2	24,000	8,500	Non-numeric	10
Barium	7440-39-3	100,000,000	21,000,000	Non-numeric	2,000
Beryllium	7440-41-7	2,000,000	220,000	Non-numeric	4
Cadmium	7440-43-9	800,000	98,000	Non-numeric	5
Chromium	7440-47-3	56,000	4,100	Non-numeric	100
Cobalt	7440-48-4	300,000	32,000	Non-numeric	5
Copper	7440-50-8	41,000,000	4,300,000	Non-numeric	1,300
Iron	7439-89-6	100,000,000	77,000,000	Non-numeric	11,000
Lead	7439-92-1	800,000	400,000	Non-numeric	15
Manganese	7439-96-5	23,000,000	2,500,000	Non-numeric	320
Mercury	7439-97-6	3100	32000	Non-numeric	2
Nickel	7440-02-0	20,000,000	2,100,000	Non-numeric	300
Selenium	7782-49-2	5,100,000	500,000	Non-numeric	50
Silver	7440-22-4	5,100,000	550,000	Non-numeric	71
Thallium	7440-28-0	10,000	1,100	Non-numeric	2
Tin		100,000,000	66,000,000	Non-numeric	9,300
Vanadium	7440-62-2	5,100,000	550,000	Non-numeric	63
Zinc	7440-66-6	100,000,000	32,000,000	Non-numeric	4,700

Notes

RCG = Remediation Closure Guide - March 2, 2012 (revised March 2014)

[1] 2014 RCG Commercial/Industrial Direct Contact Screening Level
[2] 2014 RCG Residential Direct Contact Screening Level
[3] 2014 RCG Residential Groundwater Screening Level

Table 3
Geotechnical Analytical Results
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Shallow Water-Bearing Zone:

Slug Test Data, cm/sec		
Location	Hydraulic Conductivity	Mean Result
MW-7	1.004E-05	6.053E-05
MW-8	3.142E-06	
MW-20	2.632E-05	
MW-23	2.026E-04	

Foc by Walkley Black Method, mg/Kg			
Sample Location *	Triplicate Result	Mean Result	
AOC19-2D (12-14')	7,600	7,117	
	6,670		
	7,080		
AOC9-2 (12-14')	11,800	11,100	
	10,200		
	11,300		
Background-1 (6-8')	8,340	8,853	
	9,180		
	9,040		
AOC20-2 (4-6')	7,870	8,000	
	7,870		
	8,260		
AOC19-12D2 (48-50')	8,600	8,600	
Mean of All Sample Results		8,734	or 0.009 g/g
IDEM State-Wide Accepted Value		2,000	or 0.002 g/g

* VOCs at each location were BDL.

Confining Unit:

		Methods:	API RP 40/ ASTM D2216	API RP 40		API RP 40		API RP 40	API RP 40; EPA 9100	
				Density		Porosity			25 PSI Confinning Stress	
Sample ID	Depth (ft)	Sample Orientation (1)	Moisture Content (% weight)	Dry Bulk (g/cc)	Grain (g/cc)	Total	Air-Filled	Total Pore Fluid Saturation (3) (%Pv)	Effective (4,5) Permeability to Water (millidarcy)	Hydraulic Conductivity (4,5) (cm/s)
AOC 19-12D (38-40')	38.3	V	20.7	1.62	2.73	40.6	6.9	83.1	1.5	1.50E-06
AOC 19-12D (48-50'')	48.3	V	25.2	1.48	2.73	45.6	8.3	81.9	2.31	2.31E-06
AOC 19-12D (58-60')	58.3	V	19	1.7	2.72	37.7	5.5	85.4	5.19	5.21E-06

AOC19-12D2 (48-50') grain distribution analysis: Silt and Clay (45.47% silt and 54.53% clay).

Table 4
Monitoring Well Locations and Groundwater Elevations
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Monitoring Well	2012 Sample ID	Screened Interval (feet bgs)	Northing (NAD 83)	Easting (NAD 83)	Top of Well Elevation (feet above MSL)	Depth to Ground-water (feet btoc)	Groundwater Elevation (feet above MSL)	Depth to Ground-water (feet btoc)	Groundwater Elevation (feet above MSL)
						December 2012		March 2014	
MW-1	Background-1	6 - 16	2011540.266	2847420.212	681.45	4.71	676.74	2.82	678.63
MW-2	Background-2	4 - 14	2011690.293	2846458.222	678.04	4.39	673.65	1.27	676.77
MW-3	Background-3	6 - 16	2012378.643	2846448.257	677.04	5.38	671.66	1.38	675.66
MW-4	AOC21-2	6 - 16	2011551.264	2847093.555	681.98	5.82	676.16	3.79	678.19
MW-5	AOC20-1	4 - 14	2012290.097	2847172.056	674.19	0.71	673.48	0.00	674.19 [1]
MW-6	AOC20-2	4 - 14	2012362.326	2847413.728	673.93	3.84	670.09	3.74	670.19
MW-7	AOC19-1	6 - 16	2012245.235	2847523.101	675.71	3.44	672.27	2.06	673.65
MW-8	AOC11-1	4 - 14	2011793.11	2847469.471	679.10	1.38	677.72	0.59	678.51
MW-9	AOC11-2	5 - 15	2011742.286	2847470.89	681.30	3.75	677.55	2.87	678.43
MW-10	AOC19-8	4 - 14	2012068.489	2847512.228	678.10	2.68	675.42	1.91	676.19
MW-11	AOC9-1	5 - 15	2012119.719	2847096.169	679.48	6.41	673.07	4.67	674.81
MW-12	AOC9-2	4 - 14	2012265.732	2847087.037	675.39	2.99	672.40	2.18	673.21
MW-13	AOC13-1	4 - 14	2012035.33	2847439.72	678.08	2.54	675.54	1.41	676.67
MW-14	AOC18-5	6 - 16	2012084.53	2847322.578	681.48	6.38	675.10	5.29	676.19
MW-15	AOC17-2	4 - 14	2011809.699	2847549.765	678.66	1.57	677.09	0.69	677.97
MW-16	AOC15-2	4 - 14	2012132.402	2846867.652	678.19	3.89	674.30	3.16	675.03
MW-17	AOC7-2	5 - 15	2012011.055	2847127.89	682.55	8.45	674.10	NM	NM
MW-18	AOC10-2	6 - 16	2011901.361	2847203.766	682.64	5.87	676.77	5.50	677.14
MW-19	AOC11-5	6 - 16	2011750.008	2847430.784	682.60	5.03	677.57	4.85	677.75
MW-20	AOC19-12D	6 - 16	2012350.519	2847549.904	674.12	3.08	671.04	1.39	672.73
MW-21	AOC19-10	5 - 15	2012233.403	2847556.148	674.69	10.02	664.67 [2]	1.28	673.41
MW-22	AOC19-11	6 - 16	2012211.117	2847461.538	676.38	3.48	672.90	1.49	674.89
MW-23	AOC11-8D	5.5 - 15.5	2011918.475	2847477.88	677.93	2.51	675.42	0.66	677.27
MW-24	AOC10-9	6 - 16	2012012.616	2847269.835	681.89	12.03	669.86	6.17	675.72
MW-25	AOC4-3	5.5 - 15.5	2012012.098	2847032.964	682.52	5.08	677.44	3.82	678.70
MW-26	AOC11-7	6 - 16	2011877.819	2847417.167	682.50	5.05	677.45 [2]	5.01	677.49
MW-27	AOC1-6	6 - 16	2011847.365	2846719.434	682.77	6.66	676.11	4.06	678.71
MW-28	NA, Installed in 2014	4 - 14	2011971.19	2847011.097	682.54	Not Installed		3.76	678.78
MW-29	NA, Installed in 2014	4 - 14	2012011.497	2847014.272	682.58	Not Installed		3.86	678.72
MW-30	NA, Installed in 2014	3 - 13	2012108.46	2847006.586	678.67	Not Installed		6.75	671.92 [2]
MW-31	NA, Installed in 2014	3 - 13	2012186.743	2847014.105	678.21	Not Installed		3.62	674.59
MW-32	NA, Installed in 2014	6 - 16	2011942.038	2847378.845	682.50	Not Installed		5.11	677.39
MW-33	NA, Installed in 2014	6 - 16	2012011.818	2847352.784	682.00	Not Installed		4.53	677.47

Notes:
bgs = below ground surface, btoc = below top of casing
MSL = mean sea level
NA = Not applicable
NM = Well could not be measured due to its location under a large snow/ice pile.
[1] = Monitoring well under standing water
[2] = Monitoring well not fully equilibrated due to very slow recharge.

Table 5
Physical Characteristics of Site Chemicals of Concern
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Compound	*Vapor Pressure at 25 °C* [1] *(mmHg)*	*Henry's Law Constant at 25°C* [2] *(unitless)*	*Soil-Organic Carbon Partition Coefficient* [2] *(L/kg)*	*Specific Gravity at 20°C* [1] *(unitless)*	*Solubility at 25°C* [2] *(mg/L)*	*Health Effect* [4]
2-Butanone (MEK)	90.6	0.0023262	4.5		136,000	
cis- 1,2-Dichloroethene	180 [5]	0.1668029	39.6		6,410	Possible human carcinogen
trans- 1,2-Dichloroethene	265 [5]	0.1668029	39.6		4,520	Possible human carcinogen
Ethylbenzene	9.53	0.3221586	446.1		169	Possible human carcinogen
Naphthalene	0.087	0.0179886	1,544	1.0253	31	Possible human carcinogen
1,2,3-Trimethylbenzene	1.0	0.178	626.9	0.89	75	
1,2,4-Trimethylbenzene	1.0	0.2518397	614.3	0.88	57	
Trichloroethene	74.0	0.4026983	60.70		1280	Known human carcinogen
Xylenes	11	0.2117743	382.9	0.864	106	Not a known human carcinogen
Vinyl chloride	2,600	1.14	21.7	0.9106	8,800	Known human carcinogen

[1] Toxicological Profiles, ATSDR, http://www.atsdr.cdc.gov/toxprofiles/index.asp

[2] EPA Regional Screening Lecel Chemical-specific Parameters Supporting Table May 2014
http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/docs/params_sl_table_run_MAY2014.pdf

[4] *Integrated Risk Information System* (IRIS), United States Environmental Protection Agency,
http://www.epa.gov/iris/subst/index.html

[5] At 20° C.

Blank Cell Data Not Available

Table 6
Soil Analytical Results - VOCs
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Sample Date	VOCs																								
		Acetone	Benzene	2-Butanone (Methyl Ethyl Ketone)	sec-Butylbenzene	n-Butylbenzene	1,1-Dichloroethane	1,2-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Carbon Disulfide	Chloroethane (Ethyl Chloride)	Cyclohexane	Ethylbenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methyl Cyclohexane	N-Propylbenzene	Tetrachloroethene	1,2,4-Trimethylbenzene	Toluene	Trichloroethene	Vinyl chloride	m-Xylene & p-Xylene	o-Xylene	Xylenes, Total
Direct Contact - Residential (µg/Kg)		85,000,000	15,000	28,000,000	150,000	110,000	46,000	980,000	220,000	210,000	740,000	2,100,000	120,000	76,000	270,000	NE	NE	260,000	120,000	87,000	820,000	6,200	840	390,000	430,000	260,000
Direct Contact - Industrial/Commercial (µg/Kg)		100,000,000	54,000	28,000,000	150,000	110,000	170,000	1,300,000	2,000,000	690,000	740,000	2,100,000	120,000	270,000	270,000	NE	NE	260,000	170,000	220,000	820,000	20,000	17,000	390,000	430,000	260,000
Direct Contact - Excavation (µg/Kg)		100,000,000	750,000	28,000,000	150,000	110,000	1,700,000	1,300,000	2,400,000	1,200,000	740,000	2,100,000	120,000	480,000	270,000	NE	NE	260,000	170,000	220,000	820,000	34,000	660,000	390,000	430,000	260,000
Migration to Groundwater (ug/Kg)		49,000	51	21,000	94,000	23,000	140	760	410	590	4,200	120,000	270,000	16,000	13,000	NE	NE	20,000	25	440	14,000	36	14	3,700	3,700	200,000
Background 1 (0-0.5')[1]	9/26/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Background 1 (6-8')	9/26/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Background 2 (0-0.5')[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Background 2 (2-4')	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Background 3 (0-0.5')[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Background 3 (4-6')	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Anodizing Room and Associated Areas																										
AOC1-1 (1-2')[1]	10/11/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-1 (12-14')	10/12/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-2 (1-2')[1]	10/11/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-2 (4-6')	10/15/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Duplicate-3	10/15/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-3 (1-2')[1]	10/11/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-3 (6-8')	10/15/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-4 (2-4')	10/15/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-4 (12-14')	10/15/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-5 (2-4')	10/15/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-5 (6-8')	10/15/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-6 (3-4')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-7 (3-4')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC1-7 (12-14')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC2-1 (2.5-3')	10/5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC2-1 (8-10')	10/5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC2-2 (2.5-3')	10/5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC2-2 (4-6')	10/5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC3-1 (0-0.5')[1]	10/5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC3-1 (2-4')	10/5/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Room and Associated Areas																										
AOC4-1 (1-3')[1]	10/16/2012	BDL	BDL	**28,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**1,100**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**3,400**	**14,000**	**17,000**
AOC4-1 (4-6')	10/16/2012	BDL	BDL	**650,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**980,000**	BDL	BDL	BDL	BDL	BDL	**63,000**	BDL	BDL	BDL	**8,000,000**	**1,800,000**	**9,800,000**
AOC4-2 (1-2')[1]	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**1,300**	BDL	**1,400**
AOC4-2 (6-8')	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**680**	BDL	**680**
AOC4-3 (10-12')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-1 (1-2')[1]	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-1 (8-10')	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**1,300**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-2 (1-2')[1]	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**1,500**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**21,000**	**4,300**	**26,000**
AOC5-2 (4-6')	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**550,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**2,500,000**	**460,000**	**3,000,000**
AOC5-3 (1-2')[1]	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-3 (8-10')	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**5.8**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-4 (1-2')[1]	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-4 (6-8')	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-5 (6-8')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-5 (10-12')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-6 (8-10')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-6 (14-16')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-7 (6-8')	3/14/2013	BDL	**2**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**1.9**	**2,400**	BDL	BDL	**5.3**	BDL	BDL	BDL	**6.6**	BDL	BDL	BDL	BDL	**11,000**
AOC8-1 (1-2')[1]	10/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-1 (14-16')	10/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-2 (1-3')[1]	10/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-3 (1-3')[1]	10/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-4 (2-4')	10/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**59,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**250,000**	**55,000**	**310,000**
AOC8-4 (8-10')	10/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-5 (2-4')	12/14/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**46**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**220**
AOC8-5 (14-16')	12/14/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-6 (18-20')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-6 (24-26')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**2.6**	BDL	BDL	BDL	**2.8**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-7 (4-6')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-7 (14-16')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-8 (2-4')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Duplicate A	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-8 (14-16')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-9 (4-6')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-9 (14-16')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-10(2-4')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-10 (14-16')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-11 (18-20')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-11 (24-26')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**3.0**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Paint Prep Line and Associated Areas																										
AOC6-1 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**11**	BDL	BDL	BDL	BDL	BDL
AOC6-2 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**25**	BDL	BDL	**27**	BDL	BDL	BDL	BDL
AOC6-3 (1-2')[1]	10/11/2012	**50**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC6-4 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC6-5 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-1 (0-0.5')[1]	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-1 (6-8')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-2 (0-0.5')[1]	10/10/2012	**33**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-2 (12-14')	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-3 (3-4')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-3 (8-10')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-4 (0-0.5')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-4 (8-10')	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Former Maintenance Building and Associated Areas																										
AOC11-1 (3.5-4')	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	**19**	**19**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-1 (6-8')	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	**290**	**670**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**140**	**76**	BDL	BDL	BDL
AOC11-2 (0-0.5')[1]	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-2 (2-4')	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-3 (0-0.5')[1]	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-3 (6-8')	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	**2,200**	**8,600**	**33**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**76,000**	**120**	BDL	BDL	BDL
AOC11-3D (18-20')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-3D (24-26')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-4 (0-0.5')[1]	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-4 (6-8')	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	**1,500**	**5,200**	**23**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**240**	BDL	BDL	BDL
AOC11-5 (1-2')[1]	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-5 (7-9')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-6 (1-2')[1]	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-6 (9-11')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	**1,500**	**1,500**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**1,400**	BDL	BDL	BDL	BDL
AOC11-7 (4-5')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-7 (14-16')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**7.6**	BDL	BDL	BDL
AOC11-8D (4-6')	12/13/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**17**	BDL	BDL	BDL	BDL	BDL
AOC11-8D (18-20')	12/13/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-8D (30-32')	12/13/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC17-1 (0-0.5')[1]	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC17-1 (12-14')	10/4/2012	**44**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC17-2 (2-4')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC17-2 (6-8')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
Soil excavated in March 2013 removal
[1] = sample collected from surface interval
BDL = Below detection limits
NA = Sample Not Analyzed
NE = Screening Level Not Established
VOCs = Volatile Organic Compounds
µg/Kg = micrograms per kilogram
Only detected compounds are displayed
Polychlorinated Biphynols and Pesticides, were analyzed in select samples, but were not detected above laboratory reporting limits

Samples collected from the surface interval are compared to the Residential and Commercial/Industrial Direct Contact Screening Levels
Samples collected from below the surface interval are compared to the Excavation Worker Direct Contact Screening Level
Screening Levels are from the Indiana Department of Environmental Management's (IDEM) Remediation Closure Guide (July 31, 2012 - Appendix A - Updated March, 2014)

Table 6
Soil Analytical Results - VOCs
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Sample Date	VOCs																								
		Acetone	Benzene	2-Butanone (Methyl Ethyl Ketone)	sec-Butylbenzene	n-Butylbenzene	1,1-Dichloroethane	1,2-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Carbon Disulfide	Chloroethane (Ethyl Chloride)	Cyclohexane	Ethylbenzene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methyl Cyclohexane	N-Propylbenzene	Tetrachloroethene	1,2,4-Trimethylbenzene	Toluene	Trichloroethene	Vinyl chloride	m-Xylene & p-Xylene	o-Xylene	Xylenes, Total
Direct Contact - Residential (µg/Kg)		85,000,000	15,000	28,000,000	150,000	110,000	46,000	980,000	220,000	210,000	740,000	2,100,000	120,000	76,000	270,000	NE	NE	260,000	120,000	87,000	820,000	6,200	840	390,000	430,000	260,000
Direct Contact - Industrial/Commercial (µg/Kg)		100,000,000	54,000	28,000,000	150,000	110,000	170,000	1,300,000	2,000,000	690,000	740,000	2,100,000	120,000	270,000	270,000	NE	NE	260,000	170,000	220,000	820,000	20,000	17,000	390,000	430,000	260,000
Direct Contact - Excavation (µg/Kg)		100,000,000	750,000	28,000,000	150,000	110,000	1,700,000	1,300,000	2,400,000	1,200,000	740,000	2,100,000	120,000	480,000	270,000	NE	NE	260,000	170,000	220,000	820,000	34,000	660,000	390,000	430,000	260,000
Migration to Groundwater (ug/Kg)		49,000	51	21,000	94,000	23,000	140	760	410	590	4,200	120,000	270,000	16,000	13,000	NE	NE	20,000	25	440	14,000	36	14	3,700	3,700	200,000
Former Fuel Oil Storage and Incinerator																										
AOC19-1 (0-0.5')[1]	10/1/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-1 (8-10')	10/1/2012	BDL	BDL	BDL	BDL	BDL	BDL	**460**	**990**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**8,500**	BDL	BDL	BDL	BDL
AOC19-1 (18-20')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-2 (1-2')	10/1/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-2 (2-4')	10/1/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-3 (0-0.5')[1]	10/1/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-3 (6-8')	10/1/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-4 (0-0.5')[1]	10/3/2012	BDL	BDL	BDL	**25**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**6.1**	BDL	**11**	BDL	**15**	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-4 (2-4')	10/3/2012	BDL	BDL	BDL	**12**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-5 (0-0.5')[1]	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Duplicate-2[1]	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-5 (6-8')	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-6 (0-0.5')[1]	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-6 (2-4')	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-7 (0-0.5')[1]	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-8 (0-0.5')[1]	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-8 (6-8')	10/4/2012	BDL	BDL	BDL	**6,400**	**10,000**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**160**	**39**	BDL	**220**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-9 (0-0.5')[1]	12/18/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-10 (0-0.5')[1]	12/13/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-10 (4-6')	12/13/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**110**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-11 (6-7')	12/13/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-11 (12-14')	12/13/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-12 (0-0.5')[1]	12/13/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-12D (12-14')	12/13/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-12D2 (35')	3/25/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-12D2 (45')	3/25/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-12D2 (55')	3/25/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-12D2 (58')	3/25/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-13 (2-4')	12/13/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Press 4																										
AOC10-1 (1-2')[1]	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**220**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-1 (10-12')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-2 (1-2')[1]	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-2 (6-8')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-3 (4-6')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-3 (9-11')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-4 (1-2')[1]	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-4 (7-9')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-5 (1-2')[1]	10/19/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-5 (6-8')	10/19/2012	BDL	BDL	BDL	BDL	BDL	BDL	**2,300**	**2,300**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**770**	BDL	BDL	BDL	BDL
AOC10-6 (4-6')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-6 (12-14')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-7 (2-4')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-7 (8-10')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-8 (2-4')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-8 (14-16')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-9 (6-7')	12/14/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-9 (14-15')	12/14/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Oil Water Seperator Area																										
AOC13-1 (0-0.5')[1]	10/8/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC13-1 (2-4')	10/8/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC13-2 (1-2')[1]	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC13-2 (14-16')	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC13-3 (1-2')[1]	10/19/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC13-3 (14-16')	10/19/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Northeast Exterior of Building																										
AOC14-1 (1-2')[1]	10/9/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC14-1 (6-8')	10/9/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC14-2 (1-2')[1]	10/9/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC14-2 (8-10')	10/9/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Northwest Exterior of Building																										
AOC9-1 (0-0.5')[1]	10/8/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC9-1 (2-4')	10/8/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC9-2 (0-0.5')[1]	10/8/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC9-2 (10-12')	10/8/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC15-1 (2-3')	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC15-1 (6-8')	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC15-2 (2-4')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC15-2 (6-8')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC15-3 (8-10')	12/14/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Former Die Cleanout Area																										
AOC12-1 (2-3')	10/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC12-1 (4-6')	10/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
North Exterior of Building																										
AOC18-1 (0-0.5')[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-1 (2-4')	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-2 (0-0.5')[1]	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-2 (14-16')	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-3 (0-0.5')[1]	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-3 (4-6')	10/4/2012	**34**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-4 (1-2')[1]	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-4 (4-6')	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-5 (1-2')[1]	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-5 (6-8')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC20-1 (0-0.5')[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Duplicate-1[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC20-1 (12-14')	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC20-2 (1-2')[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC20-2 (4-6')	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Employee Parking Lot																										
AOC21-1 (0-0.5')[1]	9/26/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC21-1 (6-8')	9/26/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC21-2 (0-0.5')[1]	9/26/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC21-2 (1-2')	9/26/2012	**70**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC21-2 (6-8')	9/26/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC21-3 (0-0.5')[1]	3/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Soil excavated in March 2013 removal
[1] = sample collected from surface interval
BDL = Below detection limits
NA = Sample Not Analyzed
NE = Screening Level Not Established
VOCs = Volatile Organic Compounds
µg/Kg = micrograms per kilogram
Only detected compounds are displayed
Polychlorinated Biphynols and Pesticides, were analyzed in select samples, but were not detected above laboratory reporting limits

Samples collected from the surface interval are compared to the Residential and Commercial/Industrial Direct Contact Screening Levels
Samples collected from below the surface interval are compared to the Excavation Worker Direct Contact Screening Level
Screening Levels are from the Indiana Department of Environmental Management's (IDEM) Remediation Closure Guide (July 31, 2012 - Appendix A - Updated March, 2014)

Table 7
Soil Analytical Results - SVOCs
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Sample Date	SVOCs														
		Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	1-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
Direct Contact - Residential (µg/Kg)		NE	24,000,000	2,100	210	2,100	NE	210,000	110,000	3,200,000	3,200,000	2,100	220,000	50,000	NE	2,400,000
Direct Contact - Industrial/Commercial (µg/Kg)		NE	100,000,000	21,000	2,100	21,000	NE	2,100,000	1,000,000	22,000,000	22,000,000	21,000	530,000	180,000	NE	17,000,000
Direct Contact - Excavation (µg/Kg)		NE	100,000,000	1,300,000	130,000	1,300,000	NE	100,000,000	1,700,000	37,000,000	37,000,000	1,300,000	33,000,000	1,000,000	NE	28,000,000
Migration to Groundwater (ug/Kg)		NE	860,000	2,100	4,700	7,000	NE	210,000	2,100	1,400,000	81,000	40,000	1,000	92	NE	190,000
Background 1 (0-0.5')[1]	9/26/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Background 1 (6-8')	9/26/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Background 2 (0-0.5')[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Background 2 (2-4')	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Background 3 (0-0.5')[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Background 3 (4-6')	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Anodizing Room and Associated Areas																
AOC1-1 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-1 (12-14')	10/12/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-2 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-2 (4-6')	10/15/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Duplicate-3	10/15/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-3 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-3 (6-8')	10/15/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-4 (2-4')	10/15/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-4 (12-14')	10/15/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-5 (2-4')	10/15/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-5 (6-8')	10/15/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-6 (3-4')	12/14/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-7 (3-4')	12/14/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-7 (12-14')	12/14/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC2-1 (2.5-3')	10/5/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC2-1 (8-10')	10/5/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC2-2 (2.5-3')	10/5/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC2-2 (4-6')	10/5/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC3-1 (0-0.5')[1]	10/5/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC3-1 (2-4')	10/5/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Paint Room and Associated Areas																
AOC4-1 (1-3')[1]	10/16/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC4-1 (4-6')	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**9,100**	BDL	BDL
AOC4-2 (1-2')[1]	10/16/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC4-2 (6-8')	10/16/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC4-3 (10-12')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-1 (1-2')[1]	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-1 (8-10')	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-2 (1-2')[1]	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-2 (4-6')	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-3 (1-2')[1]	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-3 (8-10')	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-4 (1-2')[1]	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-4 (6-8')	10/16/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-5 (6-8')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-5 (10-12')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-6 (8-10')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-6 (14-16')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-7 (6-8')	3/14/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-1 (1-2')[1]	10/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-1 (14-16')	10/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-2 (1-3')[1]	10/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-3 (1-3')[1]	10/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-4 (2-4')	10/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-4 (8-10')	10/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-5 (2-4')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-5 (14-16')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-6 (18-20')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-6 (24-26')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-7 (4-6')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-7 (14-16')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-8 (2-4')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Duplicate A	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-8 (14-16')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-9 (4-6')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-9 (14-16')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-10(2-4')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-10 (14-16')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-11 (18-20')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-11 (24-26')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Prep Line and Associated Areas																
AOC6-1 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC6-2 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC6-3 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC6-4 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC6-5 (1-2')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-1 (0-0.5')[1]	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-1 (6-8')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-2 (0-0.5')[1]	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-2 (12-14')	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-3 (3-4')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-3 (8-10')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-4 (0-0.5')[1]	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-4 (8-10')	10/11/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Former Maintenance Building and Associated Areas																
AOC11-1 (3.5-4')	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-1 (6-8')	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-2 (0-0.5')[1]	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-2 (2-4')	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-3 (0-0.5')[1]	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-3 (6-8')	10/2/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-3D (18-20')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-3D (24-26')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-4 (0-0.5')[1]	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-4 (6-8')	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-5 (1-2')[1]	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-5 (7-9')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-6 (1-2')[1]	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-6 (9-11')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-7 (4-5')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-7 (14-16')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-8D (4-6')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-8D (18-20')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-8D (30-32')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC17-1 (0-0.5')[1]	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC17-1 (12-14')	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC17-2 (2-4')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC17-2 (6-8')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
Soil excavated in March 2013 removal
[1] = sample collected from surface interval
BDL = Below detection limits
NA = Sample Not Analyzed
NE = Screening Level Not Established
SVOCs = Semi-Volatile Organic Compounds
µg/Kg = micrograms per kilogram
Only detected compounds are displayed
Polychlorinated Biphynols and Pesticides, were analyzed in select samples, but were not detected above laboratory reporting limits

Samples collected from the surface interval are compared to the Residential and Commercial/Industrial Direct Contact Screening Levels
Samples collected from below the surface interval are compared to the Excavation Worker Direct Contact Screening Level
Screening Levels are from the Indiana Department of Environmental Management's (IDEM) Remediation Closure Guide (July 31, 2012 - Appendix A - Updated March, 2014)

Table 7
Soil Analytical Results - SVOCs
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Sample Date	SVOCs														
		Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	1-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
Direct Contact - Residential (µg/Kg)		NE	24,000,000	2,100	210	2,100	NE	210,000	110,000	3,200,000	3,200,000	2,100	220,000	50,000	NE	2,400,000
Direct Contact - Industrial/Commercial (µg/Kg)		NE	100,000,000	21,000	2,100	21,000	NE	2,100,000	1,000,000	22,000,000	22,000,000	21,000	530,000	180,000	NE	17,000,000
Direct Contact - Excavation (µg/Kg)		NE	100,000,000	1,300,000	130,000	1,300,000	NE	100,000,000	1,700,000	37,000,000	37,000,000	1,300,000	33,000,000	1,000,000	NE	28,000,000
Migration to Groundwater (ug/Kg)		NE	860,000	2,100	4,700	7,000	NE	210,000	2,100	1,400,000	81,000	40,000	1,000	92	NE	190,000
Former Fuel Oil Storage and Incinerator																
AOC19-1 (0-0.5')[1]	10/1/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-1 (8-10')	10/1/2012	BDL	**740**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-1 (18-20')	6/17/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-2 (1-2')	10/1/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-2 (2-4')	10/1/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-3 (0-0.5')[1]	10/1/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-3 (6-8')	10/1/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-4 (0-0.5')[1]	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**670**	BDL	**1,700**	BDL	**1,300**	BDL
AOC19-4 (2-4')	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**610**	BDL	**820**	BDL	**1,200**	BDL
AOC19-5 (0-0.5')[1]	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Duplicate-2[1]	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-5 (6-8')	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-6 (0-0.5')[1]	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-6 (2-4')	10/3/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-7 (0-0.5')[1]	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-8 (0-0.5')[1]	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-8 (6-8')	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**650**	BDL	BDL	BDL
AOC19-9 (0-0.5')[1]	12/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-10 (0-0.5')[1]	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-10 (4-6')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-11 (6-7')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-11 (12-14')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12 (0-0.5')[1]	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12D (12-14')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12D2 (35')	3/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12D2 (45')	3/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12D2 (55')	3/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12D2 (58')	3/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-13 (2-4')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Press 4																
AOC10-1 (1-2')[1]	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-1 (10-12')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-2 (1-2')[1]	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-2 (6-8')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-3 (4-6')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-3 (9-11')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-4 (1-2')[1]	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-4 (7-9')	10/18/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-5 (1-2')[1]	10/19/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-5 (6-8')	10/19/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-6 (4-6')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-6 (12-14')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-7 (2-4')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-7 (8-10')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-8 (2-4')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-8 (14-16')	12/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-9 (6-7')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-9 (14-15')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil Water Seperator Area																
AOC13-1 (0-0.5')[1]	10/8/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC13-1 (2-4')	10/8/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**360**	BDL	**1,300**	BDL	**1,200**	BDL
AOC13-2 (1-2')[1]	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC13-2 (14-16')	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC13-3 (1-2')[1]	10/19/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC13-3 (14-16')	10/19/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Northeast Exterior of Building																
AOC14-1 (1-2')[1]	10/9/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC14-1 (6-8')	10/9/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC14-2 (1-2')[1]	10/9/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC14-2 (8-10')	10/9/2021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Northwest Exterior of Building		**Northwest Exterior of Building**														
AOC9-1 (0-0.5')[1]	10/8/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC9-1 (2-4')	10/8/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC9-2 (0-0.5')[1]	10/8/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC9-2 (10-12')	10/8/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC15-1 (2-3')	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC15-1 (6-8')	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC15-2 (2-4')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC15-2 (6-8')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC15-3 (8-10')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Former Die Cleanout Area																
AOC12-1 (2-3')	10/17/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC12-1 (4-6')	10/17/2012	**810**	**780**	**640**	**630**	**560**	BDL	**590**	**580**	**1,800**	**830**	BDL	BDL	**23**	**2,800**	**1,400**
North Exterior of Building																
AOC18-1 (0-0.5')[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-1 (2-4')	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-2 (0-0.5')[1]	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-2 (14-16')	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-3 (0-0.5')[1]	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-3 (4-6')	10/4/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-4 (1-2')[1]	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-4 (4-6')	10/9/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-5 (1-2')[1]	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-5 (6-8')	10/10/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC20-1 (0-0.5')[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Duplicate-1[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC20-1 (12-14')	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC20-2 (1-2')[1]	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC20-2 (4-6')	9/28/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Employee Parking Lot																
AOC21-1 (0-0.5')[1]	9/26/2012	BDL	BDL	**540**	**600**	**780**	**420**	**640**	BDL	**1,300**	BDL	**420**	BDL	BDL	**780**	**1,100**
AOC21-1 (6-8')	9/26/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC21-2 (0-0.5')[1]	9/26/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**82**	BDL	BDL	BDL	BDL	BDL	**65**
AOC21-2 (1-2')	9/26/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC21-2 (6-8')	9/26/2012	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC21-3 (0-0.5')[1]	3/25/2014	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**82**	BDL	BDL	BDL	BDL	BDL	**65**

Notes:

Soil excavated in March 2013 removal

[1] = sample collected from surface interval

BDL = Below detection limits

NA = Sample Not Analyzed

NE = Screening Level Not Established

SVOCs = Semi-Volatile Organic Compounds

µg/Kg = micrograms per kilogram

Only detected compounds are displayed

Polychlorinated Biphynols and Pesticides, were analyzed in select samples, but were not detected above laboratory reporting limits

Samples collected from the surface interval are compared to the Residential and Commercial/Industrial Direct Contact Screening Levels

Samples collected from below the surface interval are compared to the Excavation Worker Direct Contact Screening Level

Screening Levels are from the Indiana Department of Environmental Management's (IDEM) Remediation Closure Guide (July 31, 2012 - Appendix A - Updated March, 2014)

Table 8
Soil Analytical Results - Metals
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Sample Date	Total Metals																			
		Aluminum	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Chromium, VI	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Direct Contact - Residential (µg/Kg)		100,000,000	8,500	21,000,000	220,000	98,000	100,000,000	4,100	32,000	4,300,000	77,000,000	400,000	2,500,000	3,100	2,100,000	550,000	550,000	1,100	66,000,000	550,000	32,000,000
Direct Contact - Industrial/Commercial (µg/Kg)		100,000,000	24,000	100,000,000	2,000,000	800,000	100,000,000	56,000	300,000	41,000,000	100,000,000	800,000	23,000,000	3,100	20,000,000	5,100,000	5,100,000	10,000	100,000,000	5,100,000	100,000,000
Direct Contact - Excavation (µg/Kg)		100,000,000	640,000	100,000,000	3,300,000	1,300,000	100,000,000	2,400,000	520,000	69,000,000	100,000,000	1,000,000	39,000,000	3,100	32,000,000	8,600,000	8,600,000	17,000	100,000,000	8,700,000	100,000,000
Migration to Groundwater (ug/Kg)		480,000,000	5,900	1,700,000	63,000	7,500	1,000,000,000	120	4,300	920,000	5,600,000	270,000	420,000	2,100	390,000	5,300	12,000	2,900	47,000,000	1,300,000	5,900,000
Background 1 (0-0.5')[1]	9/26/2012	13,000,000	6,600	140,000	630	140	17,000	NA	6,500	11,000	14,000,000	17,000	560,000	26	12,000	BDL	BDL	230	BDL	32,000	51,000
Background 1 (6-8')	9/26/2012	6,100,000	7,400	38,000	470	190	15,000	NA	7,300	15,000	13,000,000	8,800	410,000	BDL	20,000	BDL	BDL	350	BDL	22,000	44,000
Background 2 (0-0.5')[1]	9/28/2012	13,000,000	7,600	110,000	660	150	19,000	NA	9,000	11,000	15,000,000	17,000	740,000	28	15,000	BDL	BDL	240	BDL	38,000	82,000
Background 2 (2-4')	9/28/2012	9,300,000	9,500	75,000	570	280	20,000	NA	6,100	15,000	16,000,000	9,100	540,000	22	25,000	BDL	BDL	300	BDL	37,000	51,000
Background 3 (0-0.5')[1]	9/28/2012	17,000,000	8,900	240,000	1,000	380	27,000	NA	14,000	18,000	19,000,000	20,000	1,000,000	34	21	650	BDL	330	BDL	51,000	80,000
Background 3 (4-6')	9/28/2012	8,300,000	7,000	43,000	560	200	19,000	NA	8,600	15,000	15,000,000	11,000	460,000	BDL	24,000	BDL	BDL	350	BDL	24,000	49,000
Anodizing Room and Associated Areas																					
AOC1-1 (1-2')[1]	10/11/2012	11,000,000	7,200	110,000	500	90	17,000	NA	7,100	10,000	15,000,000	13,000	640,000	23	12,000	BDL	BDL	210	12,000	34,000	42,000
AOC1-1 (12-14')	10/12/2012	5,400,000	8,200	33,000	410	150	14,000	NA	9,500	19,000	16,000,000	11,000	370,000	BDL	24,000	BDL	BDL	480	BDL	18,000	57,000
AOC1-2 (1-2')[1]	10/11/2012	12,000,000	8,100	100,000	580	BDL	18,000	NA	5,500	13,000	17,000,000	9,400	250,000	28	14,000	BDL	BDL	210	BDL	36,000	35,000
AOC1-2 (4-6')	10/15/2012	6,900,000	10,000	90,000	590	91	16,000	NA	9,000	21,000	19,000,000	20,000	520,000	BDL	22,000	BDL	BDL	270	BDL	20,000	53,000
Duplicate-3	10/15/2012	10,000,000	7,900	61,000	650	190	22,000	NA	8,500	18,000	19,000,000	11,000	490,000	BDL	28,000	BDL	BDL	530	BDL	28,000	61,000
AOC1-3 (1-2')[1]	10/11/2012	12,000,000	5,100	110,000	550	71	19,000	NA	7,200	11,000	15,000,000	12,000	310,000	25	14,000	BDL	BDL	220	BDL	37,000	43,000
AOC1-3 (6-8')	10/15/2012	5,500,000	4,500	21,000	350	180	14,000	NA	6,300	14,000	14,000,000	10,000	250,000	BDL	18,000	BDL	BDL	290	BDL	18,000	49,000
AOC1-4 (2-4')	10/15/2012	7,800,000	7,900	40,000	560	130	18,000	NA	8,500	17,000	19,000,000	11,000	420,000	BDL	25,000	BDL	BDL	360	BDL	22,000	51,000
AOC1-4 (12-14')	10/15/2012	14,000,000	6,500	150,000	580	170	19,000	NA	14,000	9,600	16,000,000	14,000	1,500,000	22	15,000	BDL	BDL	280	BDL	39,000	42,000
AOC1-5 (2-4')	10/15/2012	9,300,000	5,400	78,000	460	98	14,000	NA	5,700	8,800	12,000,000	11,000	310,000	28	12,000	BDL	BDL	180	BDL	27,000	34,000
AOC1-5 (6-8')	10/15/2012	3,200,000	12,000	190,000	220	160	7,400	NA	4,700	11,000	11,000,000	6,700	1,000,000	BDL	13,000	BDL	BDL	340	BDL	13,000	40,000
AOC1-6 (3-4')	12/14/2012	14,000,000	6,700	140,000	680	120	21,000	NA	7,200	12,000	18,000,000	12,000	630,000	29	15,000	BDL	BDL	260	BDL	39,000	48,000
AOC1-7 (3-4')	12/14/2012	19,000,000	9,400	140,000	890	80	29,000	NA	8,400	17,000	24,000,000	14,000	570,000	59	21,000	690	BDL	340	BDL	53,000	57,000
AOC1-7 (12-14')	12/14/2012	8,300,000	6,500	39,000	590	150	19,000	NA	8,400	16,000	19,000,000	11,000	290,000	BDL	23,000	BDL	BDL	350	BDL	24,000	56,000
AOC2-1 (2.5-3')	10/5/2012	12,000,000	5,800	120,000	580	160	19,000	NA	7,000	12,000	14,000,000	14,000	300,000	36	16,000	BDL	BDL	240	BDL	31,000	58,000
AOC2-1 (8-10')	10/5/2012	4,700,000	5,400	31,000	260	130	11,000	NA	3,700	12,000	11,000,000	6,400	210,000	BDL	12,000	BDL	BDL	170	BDL	18,000	43,000
AOC2-2 (2.5-3')	10/5/2012	13,000,000	8,300	140,000	730	130	24,000	NA	7,600	16,000	18,000,000	11,000	500,000	29	25,000	BDL	BDL	330	BDL	39,000	58,000
AOC2-2 (4-6')	10/5/2012	13,000,000	5,400	120,000	520	110	17,000	NA	6,500	9,500	14,000,000	15,000	820,000	26	12,000	BDL	BDL	240	BDL	33,000	41,000
AOC3-1 (0-0.5')[1]	10/5/2012	11,000	5,400	97,000	490	170	16,000	NA	5,400	11,000	13,000,000	10,000	380,000	33	14,000	BDL	BDL	190	24,000	30,000	47,000
AOC3-1 (2-4')	10/5/2012	13,000,000	6,500	140,000	610	170	18,000	NA	7,100	10,000	15,000,000	14,000	940,000	30	13,000	BDL	BDL	230	BDL	36,000	46,000
Paint Room and Associated Areas																					
AOC4-1 (1-3')[1]	10/16/2012	3,500,000	1,200	20,000	130	BDL	4,900	NA	1,600	1,800	4,800,000	2,100	80,000	BDL	3,800	BDL	BDL	BDL	BDL	11,000	13,000
AOC4-1 (4-6')	10/16/2012	2,700,000	900	14,000	110	BDL	3,500	NA	1,200	1,200	3,500,000	1,600	46,000	BDL	3,100	BDL	BDL	BDL	BDL	6,700	8,000
AOC4-2 (1-2')[1]	10/16/2012	3,600,000	1,200	24,000	140	BDL	5,400	NA	2,700	2,200	5,100,000	2,400	90,000	BDL	4,000	BDL	BDL	BDL	BDL	11,000	13,000
AOC4-2 (6-8')	10/16/2012	3,500,000	1,100	17,000	130	BDL	5,300	NA	1,400	2,200	4,200,000	2,500	47,000	BDL	3,900	BDL	BDL	BDL	BDL	9,900	10,000
AOC4-3 (10-12')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-1 (1-2')[1]	10/16/2012	4,000,000	1,200	21,000	160	BDL	7,200	NA	2,700	2,600	5,600,000	2,900	78,000	BDL	5,100	BDL	BDL	BDL	BDL	12,000	12,000
AOC5-1 (8-10')	10/16/2012	4,100,000	3,200	21,000	210	86	14,000	NA	2,100	7,800	6,700,000	4,000	56,000	BDL	7,000	BDL	BDL	BDL	BDL	13,000	19,000
AOC5-2 (1-2')[1]	10/16/2012	3,500,000	1,400	17,000	130	BDL	5,000	NA	2,300	2,500	4,600,000	2,700	120,000	BDL	4,100	BDL	BDL	BDL	BDL	9,500	11,000
AOC5-2 (4-6')	10/16/2012	3,900,000	1,300	19,000	150	BDL	5,200	NA	2,200	2,800	4,700,000	3,100	60,000	BDL	4,000	BDL	BDL	BDL	BDL	9,700	12,000
AOC5-3 (1-2')[1]	10/16/2012	3,800,000	1,300	18,000	140	BDL	5,800	NA	2,900	2,500	4,800,000	2,800	80,000	BDL	4,200	BDL	BDL	BDL	BDL	9,400	12,000
AOC5-3 (8-10')	10/16/2012	3,800,000	5,200	35,000	220	120	15,000	NA	5,300	7,200	10,000,000	7,500	370,000	BDL	24,000	BDL	BDL	BDL	BDL	15,000	28,000
AOC5-4 (1-2')[1]	10/16/2012	2,600,000	1,000	13,000	110	BDL	3,800	NA	1,900	1,900	3,300,000	2,000	51,000	BDL	2,900	BDL	BDL	BDL	BDL	7,000	8,700
AOC5-4 (6-8')	10/16/2012	4,900,000	1,800	24,000	180	BDL	7,200	NA	2,300	3,800	6,300,000	4,300	110,000	BDL	5,700	BDL	BDL	BDL	BDL	12,000	18,000
AOC5-5 (6-8')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-5 (10-12')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-6 (8-10')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-6 (14-16')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-7 (6-8')	3/14/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-1 (1-2')[1]	10/17/2012	4,400,000	1,900	21,000	160	BDL	7,900	BDL	6,700	2,400	5,500,000	2,700	74,000	BDL	4,500	BDL	280	BDL	BDL	11,000	27,000
AOC8-1 (14-16')	10/17/2012	2,900,000	4,400	13,000	170	190	8,100	BDL	3,000	8,400	11,000,000	5,600	150,000	BDL	9,200	BDL	BDL	130	BDL	17,000	42,000
AOC8-2 (1-3')[1]	10/17/2012	4,300,000	1,900	15,000	170	BDL	5,600	BDL	2,000	2,500	5,100,000	2,200	80,000	BDL	4,700	BDL	BDL	BDL	BDL	11,000	13,000
AOC8-3 (1-3')[1]	10/17/2012	4,700,000	1,600	22,000	170	BDL	5,800	BDL	1,700	2,200	5,300,000	2,400	61,000	BDL	4,700	BDL	BDL	BDL	BDL	11,000	13,000
AOC8-4 (2-4')	10/17/2012	11,000,000	6,300	87,000	540	150	18,000	BDL	6,400	13,000	14,000,000	10,000	260,000	BDL	17,000	BDL	BDL	230	BDL	30,000	46,000
AOC8-4 (8-10')	10/17/2012	4,500,000	8,800	24,000	350	BDL	12,000	BDL	3,400	16,000	17,000,000	8,800	250,000	BDL	12,000	BDL	BDL	130	BDL	28,000	39,000
AOC8-5 (2-4')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-5 (14-16')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-6 (18-20')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-6 (24-26')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-7 (4-6')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-7 (14-16')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-8 (2-4')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Duplicate A	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-8 (14-16')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-9 (4-6')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-9 (14-16')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-10(2-4')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-10 (14-16')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-11 (18-20')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-11 (24-26')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Paint Prep Line and Associated Areas																					
AOC6-1 (1-2')[1]	10/11/2012	2,700,000	1,400	14,000	120	90	13,000	BDL	5,400	5,200	5,700,000	3,700	130,000	BDL	4,700	BDL	510	BDL	BDL	9,600	16,000
AOC6-2 (1-2')[1]	10/11/2012	4,400,000	1,000	12,000	110	BDL	26,000	BDL	1,700	5,100	4,700,000	2,100	87,000	BDL	3,800	BDL	BDL	BDL	BDL	7,900	12,000
AOC6-3 (1-2')[1]	10/11/2012	3,600,000	790	13,000	110	BDL	15,000	BDL	2,000	2,800	4,500,000	2,500	84,000	BDL	5,600	BDL	BDL	BDL	BDL	8,500	14,000
AOC6-4 (1-2')[1]	10/11/2012	3,100,000	1,200	14,000	110	BDL	27,000	1,600	24,000	3,300	5,100,000	2,800	85,000	BDL	4,700	BDL	1,000	BDL	BDL	17,000	17,000
AOC6-5 (1-2')[1]	10/11/2012	2,300,000	1,200	14,000	120	BDL	2,600	BDL	2,000	3,000	4,300,000	2,500	110,000	BDL	4,300	BDL	BDL	BDL	BDL	9,900	14,000
AOC7-1 (0-0.5')[1]	10/10/2012	12,000,000	12,000	92,000	670	110	22,000	NA	8,100	16,000	25,000,000	11,000	1,900,000	34	22,000	BDL	BDL	300	BDL	34,000	53,000
AOC7-1 (6-8')	10/10/2012	8,400,000	3,600	51,000	450	100	15,000	NA	3,200	12,000	12,000,000	8,300	130,000	BDL	12,000	BDL	BDL	230	BDL	24,000	40,000
AOC7-2 (0-0.5')[1]	10/10/2012	9,400,000	4,800	76,000	410	210	28,000	NA	4,000	9,100	12,000,000	9,300	270,000	BDL	11,000	BDL	BDL	170	BDL	26,000	64,000
AOC7-2 (12-14')	10/11/2012	3,500,000	2,700	21,000	200	73	9,200	NA	2,400	6,500	8,900,000	4,100	160,000	BDL	7,800	BDL	BDL	BDL	BDL	18,000	20,000
AOC7-3 (3-4')	10/10/2012	4,000,000	1,800	21,000	170	270	210,000	NA	1,800	5,800	6,700,000	4,500	120,000	BDL	6,400	BDL	BDL	BDL	BDL	10,000	130,000
AOC7-3 (8-10')	10/10/2012	2,600,000	3,300	15,000	160	66	6,000	NA	2,300	5,700	7,300,000	3,400	140,000	BDL	7,100	BDL	BDL	BDL	BDL	11,000	17,000
AOC7-4 (0-0.5')[1]	10/11/2012	14,000,000	7,800	120,000	730	150	22,000	NA	6,300	14,000	18,000,000	10,000	630,000	26	21,000	BDL	BDL	250	BDL	42,000	43,000
AOC7-4 (8-10')	10/11/2012	3,100,000	2,700	17,000	170	BDL	6,800	NA	1,700	4,800	6,400,000	3,000	100,000	BDL	5,700	BDL	BDL	BDL	BDL	11,000	16,000
Former Maintenance Building and Associated Areas																					
AOC11-1 (3.5-4')	10/2/2012	6,400,000	5,100	43,000	370	130	13,000	NA	3,900	9,700	12,000,000	6,500	310,000	BDL	12,000	BDL	BDL	240	BDL	22,000	38,000
AOC11-1 (6-8')	10/2/2012	8,900,000	5,900	71,000	570	190	19,000	NA	8,800	16,000	17,000,000	12,000	550,000	BDL	22,000	BDL	BDL	380	BDL	25,000	61,000
AOC11-2 (0-0.5')[1]	10/2/2012	6,600,000	4,300	51,000	310	230	11,000	NA	3,700	8,300	10,000,000	7,800	250,000	BDL	10,000	BDL	BDL	160	BDL	19,000	78,000
AOC11-2 (2-4')	10/2/2012	7,300,000	5,700	63,000	390	200	13,000	NA	5,600	11,000	12,000,000	9,500	390,000	BDL	14,000	BDL	BDL	180	BDL	22,000	59,000
AOC11-3 (0-0.5')[1]	10/2/2012	5,200,000	2,500	31,000	240	99	8,200	NA	2,800	5,600	7,000,000	5,000	160,000	BDL	7,400	BDL	BDL	100	BDL	14,000	30,000
AOC11-3 (6-8')	10/2/2012	6,300,000	8,100	68,000	390	220	13,000	NA	6,600	13,000	17,000,000	9,200	580,000	BDL	16,000	BDL	BDL	280	BDL	21,000	47,000
AOC11-3D (18-20')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-3D (24-26')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-4 (0-0.5')[1]	10/3/2012	4,700,000	2,500	31,000	220	98	8,000	NA	2,800	5,700	8,500,000	4,900	270,000	BDL	7,000	BDL	BDL	BDL	BDL	14,000	37,000
AOC11-4 (6-8')	10/3/2012	6,000,000	7,200	34,000	370	120	13,000	NA	4,800	11,000	1,700,000	8,000	300,000	BDL	14,000	BDL	BDL	240	BDL	20,000	45,000
AOC11-5 (1-2')[1]	10/18/2012	2,700,000	1,300	19,000	130	56	5,900	NA	1,700	3,400	4,600,000	2,700	110,000	BDL	4,800	BDL	BDL	BDL	BDL	11,000	15,000
AOC11-5 (7-9')	10/18/2012	5,500,000	5,400	32,000	330	150	13,000	NA	4,800	12,000	11,000,000	7,700	300,000	BDL	14,000	BDL	BDL	230	BDL	21,000	41,000
AOC11-6 (1-2')[1]	10/18/2012	2,000,000	950	22,000	100	BDL	4,400	NA	1,500	2,400	3,900,000	1,800	69,000	BDL	3,600	BDL	BDL	BDL	BDL	9,700	10,000
AOC11-6 (9-11')	10/18/2012	8,500,000	10,000	44,000	570	320	20,000	NA	8,900	23,000	15,000,000	16,000	410,000	BDL	27,000	BDL	BDL	660	BDL	28,000	97,000
AOC11-7 (4-5')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-7 (14-16')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-8D (4-6')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-8D (18-20')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-8D (30-32')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC17-1 (0-0.5')[1]	10/4/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,700	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC17-1 (12-14')	10/4/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC17-2 (2-4')	10/10/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC17-2 (6-8')	10/10/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,700	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Soil excavated in March 2013 removal

[1] = sample collected from surface interval

BDL = Below detection limits

NA = Sample Not Analyzed

NE = Screening Level Not Established

µg/Kg = micrograms per kilogram

Polychlorinated Biphynols and Pesticides, were analyzed in select samples, but were not detected above laboratory reporting limits

Samples collected from the surface interval are compared to the Residential and Commercial/Industrial Direct Contact Screening Levels

Samples collected from below the surface interval are compared to the Excavation Worker Direct Contact Screening Level

Screening Levels are from the Indiana Department of Environmental Management's (IDEM) Remediation Closure Guide (July 31, 2012 - Appendix A - Updated March, 2014)

Table 8
Soil Analytical Results - Metals
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Sample Date	Total Metals																			
		Aluminum	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Chromium, VI	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Direct Contact - Residential (µg/Kg)		100,000,000	8,500	21,000,000	220,000	98,000	100,000,000	4,100	32,000	4,300,000	77,000,000	400,000	2,500,000	3,100	2,100,000	550,000	550,000	1,100	66,000,000	550,000	32,000,000
Direct Contact - Industrial/Commercial (µg/Kg)		100,000,000	24,000	100,000,000	2,000,000	800,000	100,000,000	56,000	300,000	41,000,000	100,000,000	800,000	23,000,000	3,100	20,000,000	5,100,000	5,100,000	10,000	100,000,000	5,100,000	100,000,000
Direct Contact - Excavation (µg/Kg)		100,000,000	640,000	100,000,000	3,300,000	1,300,000	100,000,000	2,400,000	520,000	69,000,000	100,000,000	1,000,000	39,000,000	3,100	32,000,000	8,600,000	8,600,000	17,000	100,000,000	8,700,000	100,000,000
Migration to Groundwater (ug/Kg)		480,000,000	5,900	1,700,000	63,000	7,500	1,000,000,000	120	4,300	920,000	5,600,000	270,000	420,000	2,100	390,000	5,300	12,000	2,900	47,000,000	1,300,000	5,900,000
Former Fuel Oil Storage and Incinerator																					
AOC19-1 (0-0.5')[1]	10/1/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-1 (8-10')	10/1/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-1 (18-20')	6/17/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-2 (1-2')	10/1/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-2 (2-4')	10/1/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-3 (0-0.5')[1]	10/1/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-3 (6-8')	10/1/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,900	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-4 (0-0.5')[1]	10/3/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-4 (2-4')	10/3/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-5 (0-0.5')[1]	10/3/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Duplicate-2[1]	10/3/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-5 (6-8')	10/3/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-6 (0-0.5')[1]	10/3/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-6 (2-4')	10/3/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-7 (0-0.5')[1]	10/4/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-8 (0-0.5')[1]	10/4/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-8 (6-8')	10/4/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,900	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-9 (0-0.5')[1]	12/18/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-10 (0-0.5')[1]	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-10 (4-6')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-11 (6-7')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-11 (12-14')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12 (0-0.5')[1]	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12D (12-14')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12D2 (35')	3/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12D2 (45')	3/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12D2 (55')	3/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-12D2 (58')	3/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-13 (2-4')	12/13/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Press 4																					
AOC10-1 (1-2')[1]	10/18/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,900	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-1 (10-12')	10/18/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-2 (1-2')[1]	10/18/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,900	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-2 (6-8')	10/18/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,100	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-3 (4-6')	10/18/2012	11,000,000	6,700	94,000	710	130	20,000	NA	4,700	18,000	17,000,000	12,000	210,000	21	16,000	BDL	BDL	170	BDL	42,000	49,000
AOC10-3 (9-11')	10/18/2012	5,300,000	5,300	29,000	320	130	13,000	NA	3,700	12,000	1,200,000	6,200	170,000	BDL	13,000	BDL	BDL	220	BDL	20,000	41,000
AOC10-4 (1-2')[1]	10/18/2012	2,900,000	1,400	12,000	130	BDL	5,400	NA	2,000	3,100	440,000	2,500	82,000	BDL	4,100	BDL	BDL	BDL	BDL	10,000	13,000
AOC10-4 (7-9')	10/18/2012	14,000,000	13,000	43,000	430	170	14,000	NA	5,600	19,000	20,000,000	9,500	350,000	BDL	20,000	BDL	BDL	370	BDL	25,000	62,000
AOC10-5 (1-2')[1]	10/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,600	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-5 (6-8')	10/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,600	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-6 (4-6')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-6 (12-14')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9,900	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-7 (2-4')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-7 (8-10')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-8 (2-4')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-8 (14-16')	12/17/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9,100	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-9 (6-7')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-9 (14-15')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil Water Seperator Area																					
AOC13-1 (0-0.5')[1]	10/8/2012	6,200,000	2,300	33,000	200	350	24,000	NA	2,300	16,000	7,400,000	20,000	260,000	BDL	9,800	BDL	BDL	BDL	BDL	10,000	77,000
AOC13-1 (2-4')	10/8/2021	7,800,000	4,900	51,000	360	220	13,000	NA	4,900	9,700	10,000,000	9,900	360,000	BDL	11,000	BDL	BDL	180	BDL	18,000	65,000
AOC13-2 (1-2')[1]	10/9/2012	7,700,000	5,000	51,000	370	100	13,000	NA	4,600	10,000	10,000,000	130,000	330,000	BDL	11,000	BDL	BDL	160	BDL	23,000	34,000
AOC13-2 (14-16')	10/9/2012	9,100,000	7,700	37,000	610	110	19,000	NA	8,200	17,000	18,000,000	10,000	420,000	BDL	25,000	BDL	BDL	440	BDL	25,000	46,000
AOC13-3 (1-2')[1]	10/19/2012	2,700,000	1,700	13,000	130	BDL	5,500	NA	2,300	4,700	5,300,000	2,700	88,000	BDL	5,000	BDL	BDL	BDL	BDL	11,000	14,000
AOC13-3 (14-16')	10/19/2012	2,000,000	3,400	16,000	130	91	12,000	NA	1,700	7,500	7,100,000	4,000	250,000	BDL	5,900	BDL	BDL	BDL	BDL	9,800	19,000
Northeast Exterior of Building																					
AOC14-1 (1-2')[1]	10/9/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,600	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC14-1 (6-8')	10/9/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC14-2 (1-2')[1]	10/9/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,100	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC14-2 (8-10')	10/9/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9,800	NA	NA	NA	NA	NA	NA	NA	NA	NA
Northwest Exterior of Building		**Northwest Exterior of Building**																			
AOC9-1 (0-0.5')[1]	10/8/2012	12,000,000	5,000	78,000	510	320	120,000	BDL	7,400	9,600	13,000,000	10,000	410,000	24	11,000	BDL	BDL	150	BDL	24,000	77,000
AOC9-1 (2-4')	10/8/2012	12,000,000	5,900	81,000	560	150	22,000	BDL	5,900	11,000	14,000,000	10,000	320,000	26	13,000	BDL	BDL	170	BDL	27,000	43,000
AOC9-2 (0-0.5')[1]	10/8/2012	12,000,000	4,300	74,000	450	470	380,000	BDL	4,700	9,900	11,000,000	12,000	330,000	23	11,000	BDL	BDL	150	BDL	20,000	170,000
AOC9-2 (10-12')	10/8/2012	7,700,000	6,400	30,000	540	130	12,000	BDL	7,100	12,000	14,000,000	12,000	350,000	BDL	16,000	BDL	BDL	290	BDL	15,000	47,000
AOC15-1 (2-3')	10/9/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC15-1 (6-8')	10/9/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,400	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC15-2 (2-4')	10/10/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC15-2 (6-8')	10/10/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC15-3 (8-10')	12/14/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Former Die Cleanout Area																					
AOC12-1 (2-3')	10/17/2012	6,100,000	2,900	40,000	270	67	29,000	NA	2,900	5,000	7,800,000	4,400	150,000	BDL	7,400	BDL	BDL	BDL	BDL	16,000	29,000
AOC12-1 (4-6')	10/17/2012	9,400,000	6,400	82,000	500	330	19,000	NA	6,900	9,400	14,000,000	9,800	490,000	BDL	20,000	BDL	BDL	230	BDL	27,000	42,000
North Exterior of Building																					
AOC18-1 (0-0.5')[1]	9/28/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-1 (2-4')	9/28/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-2 (0-0.5')[1]	10/4/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-2 (14-16')	10/4/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,800	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-3 (0-0.5')[1]	10/4/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-3 (4-6')	10/4/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-4 (1-2')[1]	10/9/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,600	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-4 (4-6')	10/9/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,100	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-5 (1-2')[1]	10/10/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-5 (6-8')	10/10/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9,100	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC20-1 (0-0.5')[1]	9/28/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Duplicate-1[1]	9/28/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC20-1 (12-14')	9/28/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC20-2 (1-2')[1]	9/28/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC20-2 (4-6')	9/28/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Employee Parking Lot																					
AOC21-1 (0-0.5')[1]	9/26/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC21-1 (6-8')	9/26/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7,700	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC21-2 (0-0.5')[1]	9/26/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC21-2 (1-2')	9/26/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC21-2 (6-8')	9/26/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC21-3 (0-0.5')[1]	3/25/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Soil excavated in March 2013 removal

[1] = sample collected from surface interval

BDL = Below detection limits

NA = Sample Not Analyzed

NE = Screening Level Not Established

µg/Kg = micrograms per kilogram

Polychlorinated Biphynols and Pesticides, were analyzed in select samples, but were not detected above laboratory reporting limits

Samples collected from the surface interval are compared to the Residential and Commercial/Industrial Direct Contact Screening Levels

Samples collected from below the surface interval are compared to the Excavation Worker Direct Contact Screening Level

Screening Levels are from the Indiana Department of Environmental Management's (IDEM) Remediation Closure Guide (July 31, 2012 - Appendix A - Updated March, 2014)

Table 9
2013 Soil Confirmation Sample Results
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Sample Date	VOCs													PAHs
		Benzene	2-Butanone (Methyl Ethyl Ketone)	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Carbon Disulfide	Chloroethane (Ethyl Chloride)	Cyclohexane	Ethylbenzene	Methyl Cyclohexane	Trichloroethene	Vinyl chloride	Xylenes, Total	Naphthalene
Direct Contact - Residential (µg/Kg)		15,000	28,000,000	46,000	220,000	210,000	740,000	2,100,000	120,000	76,000	NE	6,200	840	260,000	50,000
Direct Contact - Industrial/Commercial (µg/Kg)		54,000	28,000,000	170,000	2,000,000	690,000	740,000	2,100,000	120,000	270,000	NE	20,000	17,000	260,000	180,000
Direct Contact - Excavation (µg/Kg)		750,000	28,000,000	1,700,000	2,400,000	1,200,000	740,000	2,100,000	120,000	480,000	NE	34,000	660,000	260,000	1,000,000
AOC4-Sidewall N (4-6')	3/14/2013	**1.7**	BDL	BDL	BDL	BDL	BDL	BDL	**4.3**	**3.2**	**7.1**	BDL	BDL	**170**	BDL
AOC4-Sidewall E (4-6')	3/14/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**4.6**	BDL
AOC4-Sidewall W (4-6')	3/14/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**2.4**	BDL	BDL	BDL	**63**	**24**
AOC4-Floor (9-11')	3/14/2013	BDL	**31**	BDL	BDL	BDL	BDL	BDL	BDL	**2**	BDL	BDL	BDL	**14**	BDL
AOC5-Sidewall N (4-6')	3/14/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**6,300**	**1.3**	BDL	BDL	**30,000**	BDL
AOC5-Sidewall E(4-6')	3/14/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**1.3**	BDL	**2.5**	BDL	BDL	**5.5**	BDL
AOC5-Floor (9-11')	3/14/2013	**1.4**	BDL	BDL	BDL	BDL	BDL	BDL	**3**	**4.2**	**3.9**	BDL	BDL	**12**	BDL
AOC8-Sidewall N (2-4')	3/14/2013	**1.9**	BDL	BDL	BDL	BDL	**4.6**	BDL	**6.8**	**1.7**	**8.1**	BDL	BDL	**8.7**	BDL
AOC8-Floor (9-11')	3/14/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**2.5**	**2.2**	**3.4**	BDL	BDL	**6.3**	BDL
AOC11-Sidewall N (6-8')	3/14/2013	**1.4**	**16**	**1.5**	**820**	**19**	BDL	**18**	**4.7**	BDL	**4.7**	BDL	**180**	BDL	BDL
AOC11-Sidewall E (6-8')	3/14/2013	BDL	BDL	**5.1**	**4,600**	**98**	BDL	BDL	**1.7**	BDL	**1.9**	BDL	**120**	BDL	BDL
AOC11-Sidewall S (6-8')	3/14/2013	**1.3**	BDL	BDL	**12**	**1.4**	BDL	BDL	**2.9**	BDL	**2.9**	**1.6**	BDL	BDL	BDL
AOC11-Sidewall W (6-8')	3/14/2013	**3.2**	BDL	BDL	**160**	**2**	BDL	BDL	**3.4**	**1.8**	BDL	**980**	**3.6**	**7.3**	BDL
AOC11-Floor (9-11')	3/14/2013	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**2.2**	BDL	**2.6**	BDL	**430**	BDL	BDL

Notes:

BDL = Below detection limits

NE = Not established

VOCs = Volatile Organic Compounds

PAHs = Polycyclic Aromatic Hydrocarbons

µg/Kg = micrograms per kilogram

Only detected compounds are displayed

Table 10
Groundwater Analytical Results - VOCs and SVOCs
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Screened Interval	Sample Date	VOCs																					SVOCs	
			Acetone	2-Butanone (Methyl Ethyl Ketone)	Carbon Disulfide	Chloroethane (Ethyl Chloride)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	Ethylbenzene	Isopropylbenzene (Cumene)	Toluene	1,1,1-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	Vinyl Chloride	m-Xylene & p-Xylene	o-Xylene	Xylenes, Total	Diethyl phthalate	Naphthalene
Groundwater - Residential (µg/L)			49	4,900	720	21,000	7	70	100	24	5	5	700	390	1,000	200	5	10	15	2	190	190	10,000	11,000	1.4
Groundwater Vapor Exposure - Residential (µg/L)			NE	NE	NE	NE	300	NE	NE	110	43	NE	NE	NE	NE	13,000	9.1	NE	NE	2	NE	NE	NE	NE	91
Groundwater Vapor Exposure - Commercial/Industrial (µg/L)			NE	NE	NE	NE	1,300	NE	NE	550	210	NE	NE	NE	NE	54,000	38	NE	NE	35	NE	NE	NE	NE	460
MW-1 (Background 1)	6-16	10/25/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.6	BDL
MW-1		3/19/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL
MW-2 (Background 2) /Dup	4-14	10/25/12	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL
MW-2		3/26/14	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-3 (Background 3)	6-16	10/24/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-3		3/19/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-4 (AOC21-2)	6-16	10/24/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-4		3/19/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-5 (AOC 20-1)	4-14	10/25/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-5		3/26/14	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-6 (AOC20-2)	4-14	10/23/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-6/ Dup 1		3/17/14	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	NA	NA	BDL/BDL	NA	NA
MW-7 (AOC19-1)	6-16	10/23/12	26	12	2.1	BDL	BDL	69	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	51.0	BDL	BDL	1.4	BDL	BDL	BDL	BDL	BDL
MW-7		3/17/14	BDL	BDL	BDL	BDL	BDL	15	4.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.6	BDL	BDL	5.8	NA	NA	BDL	NA	NA
MW-8 (AOC11-1)	4-14	10/23/12	BDL	BDL	BDL	BDL	BDL	130	1.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	120	BDL	BDL	22	BDL	BDL	BDL	BDL	BDL
MW-8		3/19/14	BDL	BDL	BDL	BDL	1.6	370	3.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	170	BDL	BDL	400	NA	NA	BDL	NA	NA
MW-9 (AOC11-2)	5-15	10/23/12	BDL	BDL	BDL	BDL	BDL	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-9		3/19/14	BDL	BDL	BDL	BDL	BDL	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3	NA	NA	BDL	NA	NA
MW-10 (AOC19-8)	4-14	10/23/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
MW-10		3/18/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL
MW-11 (AOC9-1)	5-15	10/18/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
MW-11		3/18/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-12 (AOC9-2)	4-14	10/18/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
MW-12		3/18/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-13 (AOC13-1)	4-14	10/24/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-13		3/18/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-14 (AOC18-5)	6-16	10/24/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-14		3/18/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-15 (AOC17-2)	4-14	10/23/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-15		3/19/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-16 (AOC15-2)	4-14	10/24/12	BDL	BDL	BDL	BDL	BDL	2.3	BDL	BDL	4.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-16		3/18/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	1.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-17 (AOC7-2)/Dup	5-15	10/24/12	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL
MW-17		4/9/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA	BDL	NA	NA
MW-18 (AOC10-2)	6-16	10/23/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-18		3/18/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-19 (AOC11-5)/Dup	6-16	10/22/12	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL
MW-19/Dup 2		3/18/14	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	NA/NA	NA/NA	BDL/BDL	NA/NA	NA/NA
MW-20 (AOC19-12/12D)	6-16	12/18/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-20		3/17/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-21 (AOC19-10)	5-15	12/18/12	BDL	BDL	BDL	BDL	BDL	18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.4	BDL	BDL	BDL	NA	NA
MW-21		3/18/14	BDL	BDL	BDL	BDL	BDL	21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.4	NA	NA	BDL	NA	NA
MW-22 (AOC19-11)	6-16	12/14/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
MW-22		3/17/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-23 (AOC11-8/8D)	5.5-15.5	12/18/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	91	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
MW-23		3/19/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-24 (AOC10-9)	6-16	12/18/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
MW-24		3/26/14	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-25 (AOC4-3)	5.5-15.5	12/18/12	BDL	87	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	42	7.8	49	NA	NA
MW-25		3/19/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	24	NA	NA
MW-26 (AOC11-7)/Dup	6-16	12/18/12	BDL/BDL	BDL/BDL	BDL/BDL	22/BDL	BDL/BDL	420/250	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	47/36	BDL/BDL	BDL/BDL	55/36	BDL/BDL	BDL/BDL	BDL/BDL	NA/NA	NA/NA
MW-26		3/18/14	BDL	BDL	BDL	BDL	BDL	54	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	16	NA	NA	BDL	NA	NA
MW-27 (AOC1-6)	6-16	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL
MW-27		3/18/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-28	4-14	3/26/14	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7,800	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	29,000	NA	NA
MW-29	4-14	3/26/14	BDL	25,000	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3,800	BDL	BDL	BDL	BDL	280	330	BDL	NA	NA	78,000	NA	NA
MW-30	3-13	3/26/14	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA
MW-31	3-13	3/26/14	BDL	BDL	BDL	BDL	BDL	26	1.1	BDL	54	BDL	BDL	BDL	BDL	BDL	9.8	NA	NA	7.5	NA	NA	BDL	NA	NA
MW-31		4/9/14	BDL	BDL	BDL	BDL	BDL	30	1.4	BDL	120	BDL	BDL	BDL	BDL	BDL	7.2	NA	NA	40	NA	NA	BDL	NA	NA
MW-32	6-16	3/26/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA	8.7	NA	NA
MW-32		4/9/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA	BDL	NA	NA
MW-33	6-16	3/26/14	BDL	BDL	NA	BDL	BDL	15	1.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.9	BDL	BDL	BDL	NA	NA	BDL	NA	NA
Anodizing Room and Associated Areas																									
AOC1-1	12-15.5	10/17/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL
AOC1-2	6-16	10/17/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL
AOC1-3	6-16	10/15/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL
AOC1-4	3-8	10/15/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL
AOC1-5	6-16	10/15/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL
AOC1-7	6-16	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL
AOC2-1	7-10	10/8/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL
AOC2-2	11-15	10/8/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL
AOC3-1	8-11	10/5/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL
Paint Room and Associated Areas																									
AOC4-1	0-10	10/16/12	BDL	1,600,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	98,000	21,000	120,000	NA	6.5
AOC4-2	6-16	10/16/12	38	130	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	25	1.3	BDL	BDL	BDL	BDL	BDL	BDL	79	6.1	85	NA	NA
AOC5-1	12-15.5	10/16/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-2	3-13	10/16/12	BDL	550	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1,400	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2,400	560	3,000	NA	NA
AOC5-3	4-14	10/16/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	45	10	55	BDL	BDL
AOC5-4	12-15.5	10/16/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-5	2-12	12/17/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
AOC5-6	6-16	12/17/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
AOC8-1	3-13	10/17/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13,000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	53,000	14,000	67,000	NA	NA
AOC8-4	0-10	10/17/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	17	1.0	1.5	BDL	BDL	BDL	BDL	BDL	69	16	86	NA	NA
AOC8-5/Dup	1-11	12/14/12	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	2.3/2.2	NA/NA	NA/NA
AOC8-7	11-16	6/17/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
AOC8-8	11-16	6/17/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
AOC8-9	11-16	6/17/14	BDL	BDL	BDL	BDL	BDL	12	3.4	BDL	6.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.9	BDL	BDL	BDL	NA	NA
AOC8-10	11-16	6/17/14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Paint Prep Line and Asociated Areas																									
AOC7-3	9-12.5	10/11/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-4	9-12.5	10/11/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Former Maintenance Building and Associated Areas																									
AOC11-3	12-15.5	10/3/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	250	BDL	BDL	BDL	BDL	BDL
AOC11-4	11-14	10/3/12	BDL	BDL	BDL	BDL	BDL	77	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	690	BDL	BDL	BDL	BDL	BDL
AOC11-6	0-10	10/19/12	BDL	BDL	BDL	BDL	BDL	310	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	320	BDL	BDL	11	BDL	BDL	BDL	BDL	BDL
AOC17-1	9-12	10/4/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Former Fuel Oil Storage and Incinerator																									
AOC19-2	12-15.5	10/1/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-3	12-15.5	10/1/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-4	9-12	10/3/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-5	9-12	10/3/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-6	9-12	10/3/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Press 4																									
AOC10-1	5-15	10/19/12	BDL	BDL	BDL	BDL	BDL	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-3	5-15	10/19/12	BDL	BDL	BDL	BDL	BDL	2.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-4	6-16	10/19/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-5	6-16	10/19/12	BDL	BDL	BDL	BDL	BDL	150	BDL	17	BDL	BDL	BDL	BDL	BDL	12	13	BDL	BDL	3.9	BDL	BDL	BDL	BDL	BDL
AOC10-6	6-16	12/18/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
AOC10-7	4-14	12/18/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC10-8	2-12	12/18/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Oil Water Separator Area																									
AOC13-2	12-15.5	10/10/12	BDL	BDL	BDL	BDL	BDL	2.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC13-3	11-15	10/19/12	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	6.0/6.3	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	2.6/2.8	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL
Northwest Exterior of Building																									
AOC15-1	6-9.5	10/9/12	BDL	BDL	BDL	BDL	BDL	2.0	BDL	BDL	3.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC15-3	6-16	12/17/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Former Die Cleanout Area																									
AOC12-1	11-14	10/17/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
North Exterior of Building																									
AOC18-1	10-13.5	9/28/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-2	13-16	10/4/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-3	9-12	10/4/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC18-4	8-11.5	10/9/12	BDL	BDL	BDL	BDL	BDL	1.5	BDL	1.4	BDL	BDL	BDL	BDL	BDL	BDL	1.6	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Emplyee Parking Lot																									
AOC21-1	12-15.5	9/26/12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
BDL = Below detection limits
NA = Not analyzed
NE = Not established
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
(µg/L) = micrograms per liter
Only detected compounds are displayed

Table 11
Groundwater Analytical Results - Metals and Inorganics
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Screened Interval	Sample Date	Total Metals																			
			Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Groundwater - Residential (µg/L)			16,000	6	10	2,000	4	5	100	4.7	1,300	11,000	15	320	2	300	50	71	2	9,300	78	4,700
	Monitoring Wells																					
MW-1 (Background 1)	6-16	10/25/12	BDL	BDL	BDL	92	BDL	BDL	BDL	BDL	BDL	1,600	BDL	55	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-1		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2 (Background 2) /Dup	4-14	10/25/12	1,200/BDL	BDL/BDL	2.7/BDL	73/44	BDL/BDL	BDL/BDL	BDL/BDL	2.3/1.3	BDL/BDL	1,600/BDL	3.9/BDL	250/130	BDL/BDL	11/7.2	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	32/BDL
MW-2		3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3 (Background 3)	6-16	10/24/12	85	BDL	BDL	120	BDL	BDL	BDL	BDL	BDL	1,800	BDL	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-3		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4 (AOC21-2)	6-16	10/24/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4		3/19/14	11,000	BDL	9.4	82	BDL	BDL	33	BDL	37	27,000	26	410	BDL	BDL	BDL	BDL	BDL	NA	18	190
MW-5 (AOC 20-1)	4-14	10/25/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5		3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6 (AOC20-2)	4-14	10/23/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6		3/17/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7 (AOC19-1)	6-16	10/23/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7		3/17/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8 (AOC11-1)	4-14	10/23/12	13,000	BDL	15	230	0.75	BDL	40	12	33	23,000	23	700	BDL	30	BDL	BDL	BDL	BDL	33	110
MW-8		3/19/14	4,900	BDL	2.3	110	BDL	BDL	17	BDL	BDL	10,000	4.8	240	BDL	BDL	BDL	BDL	BDL	NA	BDL	68
MW-9 (AOC11-2)	5-15	10/23/12	190	BDL	2.5	34	BDL	BDL	BDL	BDL	BDL	170	BDL	42	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-9		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10 (AOC19-8)	4-14	10/23/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11 (AOC9-1)	5-15	10/18/12	23,000	BDL	22	230	1.3	BDL	100	18	41	46,000	26	1,300	BDL	83	BDL	BDL	BDL	5.8	61	170
MW-11		3/18/14	750	BDL	2.2	78	BDL	BDL	BDL	BDL	BDL	2,200	1.7	440	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL
MW-12 (AOC9-2)	4-14	10/18/12	11,000	BDL	18	280	0.58	BDL	34	7.6	15	28,000	9.3	640	BDL	22	BDL	BDL	BDL	BDL	30	58
MW-12		3/18/14	1,200	BDL	2.1	110	BDL	BDL	BDL	BDL	BDL	2,800	4.7	470	BDL	BDL	BDL	BDL	BDL	NA	BDL	32
MW-13 (AOC13-1)	4-14	10/24/12	2,700	BDL	5.5	110	BDL	BDL	BDL	9.2	6.4	3,400	4.3	410	BDL	22	BDL	BDL	BDL	BDL	BDL	21
MW-13		3/18/14	180	BDL	3	40	BDL	BDL	10	BDL	BDL	1,300	2.6	220	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL
MW-14 (AOC18-5)	6-16	10/24/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-14		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-15 (AOC17-2)	4-14	10/23/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-15		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-16 (AOC15-2)	4-14	10/24/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-16		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-17 (AOC7-2)/Dup	5-15	10/24/12	270/180	BDL/BDL	2.8/BDL	110/110	BDL/BDL	BDL/BDL	BDL/BDL	5.9/5.7	BDL/BDL	2800/1700	2.1/2.3	2,500/2,500	BDL/BDL	38/42	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL
MW-17		4/9/14	NA	BDL	BDL	NA	BDL	BDL	BDL	NA	BDL	NA	BDL	NA	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL
MW-18 (AOC10-2)	6-16	10/23/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	96	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-18		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8	NA	BDL	NA	NA	NA	NA	NA	NA	NA
MW-19 (AOC11-5)/Dup	6-16	10/22/12	1,000/1,000	BDL/BDL	3.8/3.6	67/65	BDL/BDL	BDL/BDL	BDL/BDL	1.6/1.6	BDL/BDL	1,700/1,700	BDL/1.7	220/220	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL
MW-19		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-20 (AOC19-12/12D)	6-16	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-20		3/17/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-21 (AOC19-10)	5-15	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-21		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22 (AOC19-11)	6-16	12/14/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22		3/17/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-23 (AOC11-8/8D)	5.5-15.5	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-23		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24 (AOC10-9)	6-16	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24		3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-25 (AOC4-3)	5.5-15.5	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-25		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-26 (AOC11-7)/Dup	6-16	12/18/12	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA
MW-26		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-27 (AOC1-6)	6-16	12/18/12	28,000	6.4	350	160	1.3	0.95	60	30	83	60,000	31	1,000	BDL	130	20	BDL	1.1	10	260	170
MW-27		3/18/14	6,000	BDL	72	37	BDL	BDL	13	BDL	37	12,000	7	150	BDL	BDL	BDL	BDL	BDL	NA	92	91
MW-28	4-14	3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29	4-14	3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30	3-13	3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31	3-13	4/9/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32	6-16	4/9/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33	6-16	3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
BDL = Below detection limits
NA = Not analyzed
NE = Not established
(µg/L) = micrograms per liter

Table 11
Groundwater Analytical Results - Metals and Inorganics
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Screened Interval	Sample Date	Total Metals																			
			Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Groundwater - Residential (µg/L)			16,000	6	10	2,000	4	5	100	4.7	1,300	11,000	15	320	2	300	50	71	2	9,300	78	4,700
			Anodizing Room and Associated Areas																			
AOC1-1	12-15.5	10/17/12	31,000	BDL	37	310	1.8	0.79	60	28	72	61,000	43	1,500	0.31	83	BDL	BDL	2.3	71	70	340
AOC1-2	6-16	10/17/12	36,000	BDL	37	510	2.2	1.9	64	42	81	68,000	61	4,500	BDL	110	BDL	BDL	1.9	18	96	260
AOC1-3	6-16	10/15/12	3,300	BDL	16	72	BDL	BDL	5	3.5	6	11,000	4.1	440	BDL	9.4	32	BDL	BDL	BDL	BDL	BDL
AOC1-4	3-8	10/15/12	7,800	BDL	6.1	140	BDL	BDL	12	6.1	11	10,000	5.9	1,100	BDL	17	BDL	BDL	BDL	BDL	19	49
AOC1-5	6-16	10/15/12	13,000	BDL	14	200	0.58	0.52	18	12	22	20,000	9	2,100	BDL	38	BDL	BDL	BDL	BDL	33	83
AOC1-7	6-16	12/18/12	7,400	BDL	300	45	BDL	BDL	12	7.5	50	13,000	6.6	420	BDL	65	17	BDL	BDL	BDL	150	62
AOC2-1	7-10	10/8/12	32,000	BDL	47	420	2	1.3	72	24	100	83,000	45	2,800	BDL	110	BDL	BDL	2.1	BDL	38	420
AOC2-2	11-15	10/8/12	12,000	BDL	12	150	0.67	BDL	36	10	26	23,000	24	470	BDL	31	BDL	BDL	BDL	BDL	32	120
AOC3-1	8-11	10/5/12	71,000	BDL	72	720	3.1	2.6	120	54	170	150,000	75	4,100	BDL	170	BDL	BDL	3.1	BDL	180	610
			Paint Room and Associated Areas																			
AOC4-1	0-10	10/16/12	4,600	BDL	16	130	BDL	0.56	6.6	4.9	13	39,000	8.7	4,100	BDL	6.7	BDL	BDL	BDL	BDL	14	BDL
AOC4-2	6-16	10/16/12	17,000	BDL	11	31	BDL	BDL	9.9	1.4	BDL	7,500	2.1	180	BDL	BDL	BDL	BDL	BDL	BDL	11	BDL
AOC5-1	12-15.5	10/16/12	17,000	BDL	17	160	0.94	0.52	6	14	36	32,000	24	780	BDL	40	BDL	BDL	BDL	BDL	43	120
AOC5-2	3-13	10/16/12	110,000	BDL	200	1,300	8.1	4.5	300	100	370	270,000	170	6,800	0.39	410	3	BDL	6.6	9.6	380	1,300
AOC5-3	4-14	10/16/12	16,000	BDL	13	460	1.2	1.1	24	19	34	22,000	23	3,200	BDL	48	BDL	BDL	BDL	BDL	43	110
AOC5-4	12-15.5	10/16/12	2,600	BDL	6.6	290	BDL	2.9	9.7	6.8	5.3	8,300	2.4	2,000	BDL	22	BDL	BDL	BDL	BDL	BDL	68
AOC5-5	2-12	12/17/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-6	6-16	12/17/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-1	3-13	10/17/12	7,800	BDL	36	420	BDL	0.5	15	19	16	23,000	11	2,100	BDL	40	BDL	BDL	BDL	BDL	22	67
AOC8-4	0-10	10/17/12	140,000	BDL	230	2,800	13	6	570	200	480	360,000	320	16,000	0.42	550	4	1.3	6	12	680	1,800
AOC8-5/Dup	1-11	12/14/12	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA
			Paint Prep Line and Associated Areas																			
AOC7-3	9-12.5	10/11/12	210	BDL	BDL	56	BDL	BDL	BDL	3.5	BDL	410	BDL	100	BDL	12	BDL	BDL	BDL	BDL	BDL	BDL
AOC7-4	9-12.5	10/11/12	BDL	BDL	BDL	44	BDL	BDL	BDL	0.76	BDL	BDL	BDL	42	BDL	8.6	BDL	BDL	BDL	BDL	BDL	BDL
			Former Maintenance Building and Associated Areas																			
AOC11-3	12-15.5	10/3/12	10,000	BDL	26	160	0.63	BDL	15	10	28	24,000	18	330	BDL	24	BDL	BDL	BDL	BDL	19	110
AOC11-4	11-14	10/3/12	100	BDL	6.1	60	BDL	BDL	BDL	BDL	BDL	1,500	BDL	56	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-6	0-10	10/19/12	16,000	BDL	21	140	0.94	1.1	36	16	42	34,000	30	1,100	BDL	66	BDL	BDL	BDL	BDL	51	540
AOC17-1	9-12	10/4/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	92	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Former Fuel Oil Storage and Incinerator																			
AOC19-2	12-15.5	10/1/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-3	12-15.5	10/1/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-4	9-12	10/3/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-5	9-12	10/3/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-6	9-12	10/3/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Press 4																			
AOC10-1	5-15	10/19/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	BDL	NA	NA	NA	NA	NA	NA	NA
AOC10-3	5-15	10/19/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-4	6-16	10/19/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-5	6-16	10/19/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-6	6-16	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-7	4-14	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-8	2-12	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Oil Water Separator Area																			
AOC13-2	12-15.5	10/10/12	55,000	BDL	60	630	3.5	2.1	120	72	140	110,000	75	3,600	0.29	200	2.9	BDL	2.2	BDL	160	430
AOC13-3	11-15	10/19/12	3100/2,400	BDL/BDL	5.5/5.3	14/13	BDL/BDL	BDL/BDL	6.3/BDL	2.7/2.5	BDL/BDL	1900/1,400	4.9/4.5	42/37	BDL/BDL	8/6	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	BDL/BDL	30/BDL
			Northwest Exterior of Building																			
AOC15-1	6-9.5	10/9/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC15-3	6-16	12/17/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Former Die Cleanout Area																			
AOC12-1	11-14	10/17/12	100,000	BDL	170	900	8.2	3.2	270	79	350	240,000	120	2,600	0.66	360	BDL	BDL	6.3	6.3	350	1,400
			North Exterior of Building																			
AOC18-1	10-13.5	9/28/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-2	13-16	10/4/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-3	9-12	10/4/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-4	8-11.5	10/9/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Employee Parking Lot																			
AOC21-1	12-15.5	9/26/12	15,000	BDL	38	88	0.87	0.5	25	11	46	44,000	34	350	BDL	37	BDL	BDL	BDL	BDL	31	230

Notes:
BDL = Below detection limits
NA = Not analyzed
NE = Not established
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
(µg/L) = micrograms per liter
Only detected compounds are displayed

Table 11
Groundwater Analytical Results - Metals and Inorganics
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Screened Interval	Sample Date	Dissolved Metals																		
			Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Groundwater - Residential (µg/L)			16,000	6	10	2,000	4	5	100	4.7	1,300	11,000	15	320	300	50	71	2	9,300	78	4,700
			Monitoring Wells																		
MW-1 (Background 1)	6-16	10/25/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2 (Background 2) /Dup	4-14	10/25/12	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA
MW-2		3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3 (Background 3)	6-16	10/24/12	BDL		BDL	**120**	BDL		BDL	BDL	BDL	BDL	BDL	**110**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-3		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4 (AOC21-2)	6-16	10/24/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4		3/19/14	**1,600**	BDL	**3.6**	**32**	BDL	BDL	BDL	BDL	BDL	**2,600**	**5.5**	**46**	BDL	BDL	BDL	BDL	NA	BDL	**30**
MW-5 (AOC 20-1)	4-14	10/25/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5		3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6 (AOC20-2)	4-14	10/23/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6		3/17/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7 (AOC19-1)	6-16	10/23/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7		3/17/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8 (AOC11-1)	4-14	10/23/12	**220**	BDL	BDL	**110**	BDL	BDL	BDL	**0.68**	BDL	**320**	BDL	**110**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-8		3/19/14	**2,400**	BDL	**4.1**	**88**	BDL	BDL	BDL	BDL	BDL	**4,000**	**3.6**	**140**	BDL	BDL	BDL	BDL	NA	BDL	BDL
MW-9 (AOC11-2)	5-15	10/23/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10 (AOC19-8)	4-14	10/23/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11 (AOC9-1)	5-15	10/18/12	**220**	BDL	BDL	**90**	BDL	BDL	BDL	BDL	BDL	**270**	BDL	BDL	**32**	BDL	BDL	BDL	BDL	BDL	BDL
MW-11		3/18/14	NA	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA	NA
MW-12 (AOC9-2)	4-14	10/18/12	**160**	BDL	BDL	**180**	BDL	BDL	BDL	BDL	BDL	**240**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-12		3/18/14	**790**	BDL	**1.5**	**100**	BDL	BDL	BDL	BDL	BDL	**990**	BDL	**460**	BDL	BDL	BDL	BDL	NA	BDL	BDL
MW-13 (AOC13-1)	4-14	10/24/12	BDL	BDL	BDL	**82**	BDL	BDL	BDL	**2**	BDL	BDL	BDL	BDL	**13**	BDL	BDL	BDL	BDL	BDL	BDL
MW-13		3/18/14	BDL	BDL	**3**	**35**	BDL	BDL	BDL	BDL	BDL	**900**	**2.3**	**240**	BDL	BDL	BDL	BDL	NA	BDL	BDL
MW-14 (AOC18-5)	6-16	10/24/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-14		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-15 (AOC17-2)	4-14	10/23/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-15		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-16 (AOC15-2)	4-14	10/24/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-16		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-17 (AOC7-2)/Dup	5-15	10/24/12	BDL	BDL	BDL	**120**	BDL	BDL	BDL	**3.7**	BDL	BDL	BDL	**2,600**	**44.0**	BDL	BDL	BDL	BDL	BDL	BDL
MW-17		4/9/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-18 (AOC10-2)	6-16	10/23/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-18		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-19 (AOC11-5)/Dup	6-16	10/22/12	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA
MW-19		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-20 (AOC19-12/12D)	6-16	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-20		3/17/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-21 (AOC19-10)	5-15	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-21		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22 (AOC19-11)	6-16	12/14/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-22		3/17/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-23 (AOC11-8/8D)	5.5-15.5	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-23		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24 (AOC10-9)	6-16	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-24		3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-25 (AOC4-3)	5.5-15.5	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-25		3/19/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-26 (AOC11-7)/Dup	6-16	12/18/12	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA
MW-26		3/18/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-27 (AOC1-6)	6-16	12/18/12	**2,100**	**1**	**11**	**15**	BDL	BDL	BDL	**3.8**	**25**	**2,400**	BDL	**53**	**20**	BDL	BDL	BDL	BDL	**20**	BDL
MW-27		3/18/14	**5,100**	BDL	**9.5**	**30**	BDL	BDL	BDL	BDL	**28**	**8,100**	**7.3**	**100**	**23**	BDL	BDL	BDL	NA	**81**	**54**
MW-28	4-14	3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-29	4-14	3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-30	3-13	3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-31	3-13	4/9/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-32	6-16	4/9/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-33	6-16	3/26/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
BDL = Below detection limits
NA = Not analyzed
NE = Not established
(µg/L) = micrograms per liter

Table 11
Groundwater Analytical Results - Metals and Inorganics
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Sample ID	Screened Interval	Sample Date	Dissolved Metals																		
			Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Tin	Vanadium	Zinc
Groundwater - Residential (µg/L)			16,000	6	10	2,000	4	5	100	4.7	1,300	11,000	15	320	300	50	71	2	9,300	78	4,700
			Anodizing Room and Associated Areas																		
AOC1-1	12-15.5	10/17/12	**430**	BDL	BDL	**60**	BDL	BDL	BDL	BDL	BDL	**470**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-2	6-16	10/17/12	BDL	BDL	BDL	**130**	BDL	BDL	BDL	**3**	BDL	BDL	BDL	**500**	**10**	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-3	6-16	10/15/12	**60**	BDL	BDL	**47**	BDL	BDL	BDL	BDL	BDL	**140**	BDL	**12**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-4	3-8	10/15/12	**220**	BDL	BDL	**86**	BDL	BDL	BDL	**1.7**	BDL	**240**	BDL	**900**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-5	6-16	10/15/12	**660**	BDL	BDL	**58**	BDL	BDL	BDL	**0.61**	BDL	**690**	BDL	**450**	**6**	BDL	BDL	BDL	BDL	BDL	BDL
AOC1-7	6-16	12/18/12	BDL	BDL	**17**	**24**	**0.5**	**BDL**	BDL	**3.6**	**32**	BDL	BDL	BDL	**35**	**2.5**	BDL	BDL	BDL	**35**	BDL
AOC2-1	7-10	10/8/12	**190**	BDL	BDL	**150**	BDL	BDL	BDL	**0.78**	BDL	**390**	BDL	**780**	**5**	BDL	BDL	BDL	BDL	BDL	BDL
AOC2-2	11-15	10/8/12	**70**	BDL	**3.1**	**86**	BDL	BDL	BDL	**0.78**	BDL	BDL	BDL	**82**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC3-1	8-11	10/5/12	**79**	BDL	BDL	**83**	BDL	BDL	BDL	**0.61**	BDL	BDL	BDL	BDL	**16**	BDL	BDL	BDL	BDL	BDL	BDL
			Paint Room and Associated Areas																		
AOC4-1	0-10	10/16/12	BDL	BDL	**4.7**	**58**	BDL	BDL	BDL	**2.7**	BDL	**880**	BDL	**3,500**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC4-2	6-16	10/16/12	**5,900**	BDL	**4.9**	BDL	BDL	BDL	BDL	**0.53**	BDL	BDL	BDL	**20**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-1	12-15.5	10/16/12	**3,300**	BDL	**2.7**	**50**	BDL	BDL	**9.1**	**1.7**	BDL	**4,100**	**2.1**	**40**	**8.2**	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-2	3-13	10/16/12	**160**	BDL	BDL	**170**	BDL	BDL	BDL	**0.97**	**7**	**240**	BDL	**400**	**12**	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-3	4-14	10/16/12	**220**	BDL	BDL	**81**	BDL	BDL	BDL	BDL	BDL	**240**	BDL	**25**	**6.9**	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-4	12-15.5	10/16/12	BDL	BDL	BDL	**51**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC5-5	2-12	12/17/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC5-6	6-16	12/17/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC8-1	3-13	10/17/12	**74**	BDL	BDL	**360**	BDL	BDL	BDL	**7.3**	**11**	**190**	BDL	BDL	**19**	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-4	0-10	10/17/12	BDL	BDL	**2.7**	**63**	BDL	BDL	BDL	**1**	BDL	BDL	BDL	**3,300**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC8-5/Dup	1-11	12/14/12	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA	NA/NA
			Paint Prep Line and Associated Areas																		
AOC7-3	9-12.5	10/11/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC7-4	9-12.5	10/11/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Former Maintenance Building and Associated Areas																		
AOC11-3	12-15.5	10/3/12	**480**	BDL	**5.4**	**110**	BDL	BDL	BDL	**0.54**	BDL	**790**	BDL	**27**	BDL	BDL	BDL	BDL	BDL	BDL	BDL
AOC11-4	11-14	10/3/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC11-6	0-10	10/19/12	**160**	BDL	BDL	**51**	BDL	BDL	BDL	**0.84**	BDL	**220**	BDL	**48**	**9.5**	BDL	BDL	BDL	BDL	BDL	**65**
AOC17-1	9-12	10/4/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA
			Former Fuel Oil Storage and Incinerator																		
AOC19-2	12-15.5	10/1/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-3	12-15.5	10/1/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-4	9-12	10/3/12	**600**		**2.7**	**110**	BDL		BDL	**0.94**	BDL	**840**	BDL	**670**	**7.8**	BDL	BDL	BDL	BDL	BDL	BDL
AOC19-5	9-12	10/3/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC19-6	9-12	10/3/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Press 4																		
AOC10-1	5-15	10/19/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-3	5-15	10/19/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-4	6-16	10/19/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-5	6-16	10/19/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-6	6-16	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-7	4-14	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC10-8	2-12	12/18/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Oil Water Separator Area																		
AOC13-2	12-15.5	10/10/12	**550**	BDL	**6.3**	**100**	BDL	BDL	BDL	**34**	**12**	**1,300**	**6.3**	**410**	**53**	BDL	BDL	BDL	BDL	BDL	BDL
AOC13-3	11-15	10/19/12	**2,400/2,100**	BDL	**4.6/4.5**	**10/9.6**	BDL/BDL	BDL	BDL/BDL	**2.3/2.2**	BDL/BDL	**1,200/920**	**3.2/2.9**	**20/18**	**6.7/6.3**	BDL/BDL	BDL	BDL	BDL	BDL/BDL	BDL/BDL
			Northwest Exterior of Building																		
AOC15-1	6-9.5	10/9/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC15-3	6-16	12/17/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Former Die Cleanout Area																		
AOC12-1	11-14	10/17/12	**64**	BDL	BDL	**85**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
			North Exterior of Building																		
AOC18-1	10-13.5	9/28/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-2	13-16	10/4/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.5**	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-3	9-12	10/4/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.5**	NA	NA	NA	NA	NA	NA	NA	NA
AOC18-4	8-11.5	10/9/12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA
			Employee Parking Lot																		
AOC21-1	12-15.5	9/26/12	**250**	BDL	BDL	**23**	BDL	BDL	BDL	BDL	BDL	**370**	BDL	**9.9**	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
BDL = Below detection limits
NA = Not analyzed
NE = Not established
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
(µg/L) = micrograms per liter
Only detected compounds are displayed

Table 12
Vapor Intrusion Assessment Analytical Results
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Area	Indoor Air									Sub-Slab Soil Gas								
	Sample Name	Summa Canister Number	Sample Date	Sample Time	Vacuum - Start/Stop	Analyte	2014 RCG Screening Level IA - Residential ($\mu g/m^3$)	2014 RCG Screening Level IA - Com/Ind ($\mu g/m^3$)	Result ($\mu g/m^3$)	Sample Name	Summa Canister Number	Sample Date	Sample Time	Vacuum - Start/Stop	Analyte	2014 RCG Screening Level[1] IA - Residential ($\mu g/m^3$)	2014 RCG Screening Level[1] IA - Com/Ind ($\mu g/m^3$)	Result ($\mu g/m^3$)
Center of Main Plant Building	IA-2	0931	3/26/2014	0655-1427	-29.5/-3	Acetone	3,200,000	14,000,000	3.8	SS-2	2011	3/26/2014	1417-1426	-27/-2	Acetone	3,200,000	14,000,000	27.1
						Benzene	310	1,600	0.44						Benzene	310	1,600	0.96
						Chloromethane	9,400	39,000	0.65						Methyl Ethyl Ketone (MEK)	520,000	2,200,000	3.2
						Dichlorodifluoromethane	10,000	44,000	2.3						Ethanol	NE	NE	29.8
						Ethanol	NE	NE	2.3						n-Hexane	73,000	310,000	7.9
						Propylene	310,000	1,300,000	0.66						Methylene Chloride	63,000	260,000	291
															2-Propanol	730,000	3,100,000	6.4
															Toulene	520,000	2,200,000	4.8
															Trichlrofluoromethane	73,000	310,000	1.3
Office	IA-3	0084	3/26/2014	0650-1355	-29/-2	Acetone	3,200,000	14,000,000	5.7	SS-3	1095	3/26/2014	1352-1400	-23/-2	Acetone	3,200,000	14,000,000	31.8
						Chloromethane	9,400	39,000	0.69						Benzene	310	1,600	0.58
						Dichlorodifluoromethane	10,000	44,000	2.0						Methyl Ethyl Ketone (MEK)	520,000	2,200,000	1.8
						Ethanol	NE	NE	6.1						Carbon Disulfide	73,000	310,000	4.0
						Methylene Chloride	63,000	260,000	3.2						Ethanol	NE	NE	32.0
						2-Propanol	730,000	3,100,000	7.0						n-Hexane	73,000	310,000	4.0
						Trichlorofluoromethane	73,000	310,000	3.7						Methylene Chloride	63,000	260,000	133
															2-Propanol	730,000	3,100,000	5.1
															Toulene	520,000	2,200,000	21.4
															Trichlrofluoromethane	73,000	310,000	2.5
Eastern End of Main Plant Building	IA-5	0488	3/26/2014	0700-1455	-29/-2	Acetone	3,200,000	14,000,000	5.3	SS-5	1140	3/26/2014	1442-1457	-29/-2	Acetone	3,200,000	14,000,000	67.9
						Methyl Ethyl Ketone (MEK)	520,000	2,200,000	1.3						cis-1,2-Dichloroethene	NE	NE	77.7
						Chloromethane	9,400	39,000	0.63						Trichloroethene (TCE)	210	880	705
						Dichlorodifluoromethane	10,000	44,000	2.0									
						Ethanol	NE	NE	2.3									
Paint Mixing Room	Ambient Air	NA	3/25/2014	1845	NA	Oxygen			20.9%	SS-1	NA	3/25/2014	1850	NA	Oxygen	<5%[2]		19.3%

Notes:

$\mu g/m^3$ = micrograms per cubic meter

IA = Indoor air

Com/Ind = Commercial/Industrial

NA = Not applicable

NE = Not established, chemical has no established screening level

RCG = Remediation Closure Guide

Only detected compounds are displayed

Orange highlight indicates concetration greater than Commercial/Industrial Screening Level

[1] = Screening levels include 0.01 attenuation factor for sub-slab soil gas

2 = Section 5.4.3 of the RCG states that petroleum chemicals (e.g. xylenes) may be screened out from VI sampling based on soil and groundwater conditions and oxygen content

Table 13
Community Relations Mailing List
Bon L Manufacturing Company
508 Wilson Street, Kentland, Indiana

Addressee's Name	Mailing Address
Newton County Commissioners	4117 South 240 West Suite 100 Morocco, IN 47963
Newton County Health Department	4117 S 240 W Morocco, IN 47963
City of Kentland Town Board of Trustees	300 N 3rd St Kentland, IN 47951
Jefferson Township Trustees	204 East Holley Dr Kentland, IN 47951
U.S. Senator Daniel Coats	1650 Market Tower Indianapolis, IN 46204
U.S. Senator Joe Donnelly	10 W Market St Suite 1180 Indianapolis, IN 46204
U. S. Representative Todd Rokita	355 S Washington St Indianapolis, IN 46204
Indiana Department of Environmental Management - Central Regional Office	100 N Senate Ave Indianapolis, IN 46204
Newton County Times Newspaper	601 W 45th Ave Munster, IN 46321
Kentland Public Library Branch	201 E. Grahm Street Kentland, IN 47951

APPENDIX M

DRAFT ENVIRONMENTAL RESTRICTIVE COVENANT

Environmental Restrictive Covenant

THIS ENVIRONMENTAL RESTRICTIVE COVENANT ("Covenant") is made this _____ day of _____, 20___, by Bon L Manufacturing Company, 508 Wilson Street, Kentland, Indiana 47951.

WHEREAS: Owner is the fee owner of certain real estate in the County of Newton, Indiana, which is located at 508 Wilson Street and more particularly described in the attached **Exhibit "A"** ("Real Estate"), which is hereby incorporated and made a part hereof. This Real Estate was acquired by deed on December 28, 2012, and recorded on _____, as Deed Record Book _ Page _, in the Office of the Recorder of Newton County, Indiana. The Real Estate consists of approximately 25.03 acres and has also been identified by the county as parcel identification number[s] 56-16-20-441-011.000-011, 56-16-20-441-012.000-011, 56-16-20-442-001.000-011, 56-16-20-442-004.000-011, and 56-16-20-800-005-001-011. The Real Estate, to which the restrictions in this Covenant apply, is depicted on a map attached hereto as **Exhibit B**.

WHEREAS: Bon L Manufacturing Company, 508 Wilson Street, Kentland, Indiana 47951 entered into Indiana's Voluntary Remediation Program ("VRP") to address releases of petroleum and hazardous substances relating to the Real Estate. The Indiana Department of Environmental Management ("IDEM" or the "Department") assigned the project number 6130501. A remediation work plan was prepared in accordance with IC 13-25-5, which was approved by the Department on _____.

WHEREAS: Certain contaminants of concern ("COCs") remain in the soil and groundwater of the Real Estate following completion of corrective action. The Department has determined that the COCs will not pose an unacceptable risk to human health at the remaining concentrations, provided that the land use restrictions contained herein are implemented to protect human health and the environment. The known COCs remaining are listed in **Exhibit C**, which is attached hereto and incorporated herein.

WHEREAS: Environmental investigation reports and other related documents are hereby incorporated by reference and may be examined at the offices of the Department, which is located in the Indiana Government Center North building at 100 N. Senate Avenue, Indianapolis, Indiana. The documents may also be viewed electronically in the Department's Virtual File Cabinet by accessing the Department's Web Site (currently www.in.gov/idem/).

NOW THEREFORE, Bon L Manufacturing Company subjects the Real Estate to the following restrictions and provisions, which shall be binding on the current Owner and all future Owners:

I. RESTRICTIONS

1. Restrictions. The Owner:

   (a) Shall not use or allow the use of the Real Estate for residential purposes, including, but not limited to, daily child care facilities or educational facilities for children (e.g., daycare centers or K-12 schools).

   (b) Shall not use or allow the use or extraction of groundwater at the Real Estate for any purpose, including, but not limited to: human or animal consumption, gardening, industrial processes, or agriculture, except that groundwater may be extracted in conjunction with environmental investigation and/or remediation activities.

   (c) Shall not construct or allow occupancy of a dwelling or work space on the Real Estate in the areas shown on **Exhibit D** unless a vapor mitigation system is installed, operated, and maintained within the dwelling or work space. IDEM may waive this restriction in writing if the Owner has provided data and analysis demonstrating to IDEM's satisfaction that there is no unacceptable risk to human health via the vapor intrusion exposure pathway.

II. GENERAL PROVISIONS

2. Restrictions to Run with the Land. The restrictions and other requirements described in this Covenant shall run with the land and be binding upon, and inure to the benefit of the Owner of the Real Estate and the Owner's successors, assignees, heirs and lessees and their authorized agents, employees, contractors, representatives, agents, lessees, licensees, invitees, guests, or persons acting under their direction or control (hereinafter "Related Parties") and shall continue as a servitude running in perpetuity with the Real Estate. No transfer, mortgage, lease, license, easement, or other conveyance of any interest in or right to occupancy in all or any part of the Real Estate by any person shall affect the restrictions set forth herein. This Covenant is imposed upon the entire Real Estate unless expressly stated as applicable only to a specific portion thereof.

3. Binding upon Future Owners. By taking title to an interest in or occupancy of the Real Estate, any subsequent Owner or Related Party agrees to comply with all of the restrictions set forth in paragraph 1 above and with all other terms of this Covenant.

4. Access for Department. The Owner shall grant to the Department and its designated representatives the right to enter upon the Real Estate at reasonable times for the purpose of monitoring compliance with this Covenant and ensuring its protectiveness; this right includes the right to take samples and inspect records

5. Written Notice of the Presence of Contamination. Owner agrees to include in any instrument conveying any interest in any portion of the Real Estate, including but not limited to deeds, leases and subleases (excluding mortgages, liens, similar financing interests, and other non-possessory encumbrances), the following notice provision (with

blanks to be filled in):

NOTICE: THE INTEREST CONVEYED HEREBY IS SUBJECT TO AN ENVIRONMENTAL RESTRICTIVE COVENANT, DATED_____ 20__, RECORDED IN THE OFFICE OF THE RECORDER OF _____COUNTY ON _____, 20__, INSTRUMENT NUMBER (or other identifying reference) _____ IN FAVOR OF AND ENFORCEABLE BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.

5. Notice to Department of the Conveyance of Property. Owner agrees to provide notice to the Department of any conveyance (voluntary or involuntary) of any ownership interest in the Real Estate (excluding mortgages, liens, similar financing interests, and other non-possessory encumbrances). Owner must provide the Department with the notice within thirty (30) days of the conveyance and: (a) include a certified copy of the instrument conveying any interest in any portion of the Real Estate, and (b) if it has been recorded, its recording reference**,** and (c) the name and business address of the transferee.

6. Indiana Law. This Covenant shall be governed by, and shall be construed and enforced according to, the laws of the State of Indiana.

III. ENFORCEMENT

7. Enforcement. Pursuant to IC 13-14-2-6 and other applicable law, the Department may proceed in court by appropriate action to enforce this Covenant. Damages alone are insufficient to compensate IDEM if any owner of the Real Estate or its Related Parties breach this Covenant or otherwise default hereunder. As a result, if any owner of the Real Estate, or any owner's Related Parties, breach this Covenant or otherwise default hereunder, IDEM shall have the right to request specific performance and/or immediate injunctive relief to enforce this Covenant in addition to any other remedies it may have at law or at equity. Owner agrees that the provisions of this Covenant are enforceable and agrees not to challenge the provisions or the appropriate court's jurisdiction.

IV. TERM, MODIFICATION AND TERMINATION

8. Term. The restrictions shall apply until the Department determines that the contaminants of concern no longer present an unacceptable risk to the public health, safety, or welfare, or to the environment.

9. Modification and Termination. This Covenant shall not be amended, modified, or terminated without the Department's prior written approval. Within thirty (30) days of executing an amendment, modification, or termination of the Covenant, Owner shall record such amendment, modification, or termination with the Office of the Recorder of Newton County and within thirty (30) days after recording, provide a true copy of the recorded amendment, modification, or termination to the Department.

V. MISCELLANEOUS

10. Waiver. No failure on the part of the Department at any time to require performance by any person of any term of this Covenant shall be taken or held to be a waiver of such term or in any way affect the Department's right to enforce such term, and no waiver on the part of the Department of any term hereof shall be taken or held to be a waiver of any other term hereof or the breach thereof.

11. Conflict of and Compliance with Laws. If any provision of this Covenant is also the subject of any law or regulation established by any federal, state, or local government, the strictest standard or requirement shall apply. Compliance with this Covenant does not relieve the Owner of its obligation to comply with any other applicable laws.

12. Change in Law, Policy or Regulation. In no event shall this Covenant be rendered unenforceable if Indiana's laws, regulations, RISC guidelines, or remediation policies (including those concerning environmental restrictive covenants, or institutional or engineering controls) change as to form or content. All statutory references include any successor provisions.

13. Notices. Any notice, demand, request, consent, approval or communication that either party desires or is required to give to the other pursuant to this Covenant shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, addressed as follows:

    To Owner: Bon L Manufacturing Company
    PO Box 428
    Newnan, GA 30264

    To Department:

    IDEM, Office of Land Quality
    100 N. Senate Avenue
    IGCN 1101
    Indianapolis, IN 46204-2251
    Attn: Section Chief, Leaking Underground Storage Tank Program

    An Owner may change its address or the individual to whose attention a notice is to be sent by giving written notice via certified mail.

14. Severability. If any portion of this Covenant or other term set forth herein is determined by a court of competent jurisdiction to be invalid for any reason, the surviving portions or terms of this Covenant shall remain in full force and effect as if such portion found invalid had not been included herein.

15. Authority to Execute and Record. The undersigned person executing this Covenant

represents that he or she is the current fee Owner of the Real Estate or is the authorized representative of the Owner, and further represent**s** and certifies that he or she is duly authorized and fully empowered to execute and record, or have recorded, this Covenant.

Owner hereby attests to the accuracy of the statements in this document and all attachments.

IN WITNESS WHEREOF, Bon L Manufacturing Company**,** the said Owner of the Real Estate described above has caused this Environmental Restrictive Covenant to be executed on this _____ day of _____, 20____.

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, as required by law.

_____
Bon L Manufacturing Company

STATE OF _____)
) SS:
COUNTY OF _____)

Before me, the undersigned, a Notary Public in and for said County and State, personally appeared _____, the _____ of the Owner, _____, who acknowledged the execution of the foregoing instrument for and on behalf of said entity.

Witness my hand and Notarial Seal this ___ day of _____, 20___.

_____

_____, Notary Public

Residing in _____ County, _____

My Commission Expires:

This instrument prepared by:
[*insert name and address*]

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law:
[insert name and address]

EXHIBIT A

LEGAL DESCRIPTION OF REAL ESTATE

EXHIBIT B

SITE LAYOUT MAP

EXHIBIT C

TABLE OF COCS

EXHIBIT D

AREA OF POTENTIAL VAPOR MITIGATION SYSTEM

56-16-20-441-011.000-011 | **El Campo GP LLC, a Virginia Lim** | **VACANT LAND WILSON ST** | **300, Vacant Land** | **KENTLAND CORP/5611008**

General Information

Parcel Number
56-16-20-441-011.000-011

Local Parcel Number
0130808000

Tax ID:

Routing Number
15-20-441-001

Property Class 300
Vacant Land

Year: 2014

Location Information

County
Newton

Township
JEFFERSON TOWNSHIP

District 011 (Local 013)
Kentland Corp (Jefferson)

School Corp 5995
SOUTH NEWTON

Neighborhood 5611008-011
KENTLAND CORP

Section/Plat
20

Location Address (1)
VACANT LAND WILSON ST
KENTLAND, IN 47951

Zoning

Subdivision

Lot

Market Model
5611008-I

Characteristics

Topography

Public Utilities

Streets or Roads
Unpaved

Neighborhood Life Cycle Stage
Other

Printed Thursday, September 25, 2014

Ownership

El Campo GP LLC, a Virginia Limited
% The Wm L Bonnell Company
PO Box 428
Newnan, GA 30265

Legal

PT SE SEC 20 T27N
R9W .63 ACRES
KENTLAND

Transfer of Ownership

Date	Owner	Doc ID	Code	Book/Page	Sale Price
12/28/2012	El Campo GP LLC, a Virgin		WD	/	$0
01/01/1900	Capitol Products Corporatio		WD	/	$0

Notes

1/10/2013 ai: 0130808000

1/10/2013 ci: 5995

Industrial

Valuation Records (Work In Progress values are not certified values and are subject to change)

2014	Assessment Year	2014	2013	2012	2011	2010
WIP	Reason For Change	AA	AA	GenReval	GenReval	Misc
08/19/2014	As Of Date	08/01/2014	09/23/2013	03/01/2012	03/01/2011	03/01/2010
Indiana Cost Mod	Valuation Method	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod
1.0000	Equalization Factor	1.0000	1.0000	1.0000	1.0000	1.0000
	Notice Required	☐	☐	☐	☐	☐
$11,500	**Land**	**$11,500**	**$11,500**	**$11,500**	**$7,400**	**$7,400**
$0	Land Res (1)	$0	$0	$0	$0	$0
$0	Land Non Res (2)	$0	$0	$0	$0	$0
$11,500	Land Non Res (3)	$11,500	$11,500	$11,490	$0	$0
$0	**Improvement**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	Imp Res (1)	$0	$0	$0	$0	$0
$0	Imp Non Res (2)	$0	$0	$0	$0	$0
$0	Imp Non Res (3)	$0	$0	$0	$0	$0
$11,500	**Total**	**$11,500**	**$11,500**	**$11,500**	**$7,400**	**$7,400**
$0	Total Res (1)	$0	$0	$0	$0	$0
$0	Total Non Res (2)	$0	$0	$0	$0	$0
$11,500	Total Non Res (3)	$11,500	$11,500	$11,490	$0	$0

Land Data (Standard Depth: Res 150', CI 150')

Land Type	Pricing Method	Soil ID	Act Front.	Size	Factor	Rate	Adj. Rate	Ext. Value	Infl. %	Res Elig %	Market Factor	Value
12	A		0	0.6300	1.00	$18,800	$18,800	$11,844	0%	0%	0.9700	$11,490

Land Computations

Calculated Acreage	0.63
Actual Frontage	0
Developer Discount	☐
Parcel Acreage	0.63
81 Legal Drain NV	0.00
82 Public Roads NV	0.00
83 UT Towers NV	0.00
9 Homesite	0.00
91/92 Acres	0.00
Total Acres Farmland	0.63
Farmland Value	$0
Measured Acreage	0.00
Avg Farmland Value/Acre	0.0
Value of Farmland	$0
Classified Total	$0
Farm / Classifed Value	$0
Homesite(s) Value	$0
91/92 Value	$0
Supp. Page Land Value	
CAP 1 Value	$0
CAP 2 Value	$0
CAP 3 Value	$11,500
Total Value	**$11,500**

Data Source N/A **Collector** **Appraiser**

56-16-20-441-012.000-011 | **El Camp GP, LLC** | **VACANT LAND WILSON ST** | **300, Vacant Land** | **KENTLAND CORP/5611008**

General Information

Parcel Number
56-16-20-441-012.000-011

Local Parcel Number
0130456000

Tax ID:

Routing Number
15-20-441-014

Property Class 300
Vacant Land

Year: 2014

Location Information

County
Newton

Township
JEFFERSON TOWNSHIP

District 011 (Local 013)
Kentland Corp (Jefferson)

School Corp 5995
SOUTH NEWTON

Neighborhood 5611008-011
KENTLAND CORP

Section/Plat
20

Location Address (1)
VACANT LAND WILSON ST
KENTLAND, IN 47951

Zoning

Subdivision

Lot

Market Model
5611008-I

Characteristics

Topography

Public Utilities

Streets or Roads
Unpaved

Neighborhood Life Cycle Stage
Other

Printed Thursday, September 25, 2014

Ownership

El Camp GP, LLC
% The Wm L Bonnell Company
PO Box 428
Newnan, GA 30265

Legal

E 36' W1/2 LOT 2 BLK 2
BATTON'S 1ST ADD
KENTLAND

Transfer of Ownership

Date	Owner	Doc ID	Code	Book/Page	Sale Price
12/28/2012	El Camp GP, LLC		WD	/	$0
01/01/1900	Capitol Products Corporatio		WD	/	$0

Notes

1/10/2013 ai: 0130456000

1/10/2013 ci: 5995

Industrial

Valuation Records (Work In Progress values are not certified values and are subject to change)

2014	Assessment Year	2014	2013	2012	2011	2010
WIP	Reason For Change	AA	AA	GenReval	GenReval	Misc
08/19/2014	As Of Date	08/01/2014	09/23/2013	03/01/2012	03/01/2011	03/01/2010
Indiana Cost Mod	Valuation Method	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod
1.0000	Equalization Factor	1.0000	1.0000	1.0000	1.0000	1.0000
	Notice Required	☐	☐	☐	☐	☐
$9,300	**Land**	**$9,300**	**$13,600**	**$6,900**	**$6,400**	**$6,400**
$0	Land Res (1)	$0	$0	$0	$0	$0
$0	Land Non Res (2)	$0	$0	$0	$0	$0
$9,300	Land Non Res (3)	$9,300	$13,600	$6,920	$0	$0
$0	**Improvement**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	Imp Res (1)	$0	$0	$0	$0	$0
$0	Imp Non Res (2)	$0	$0	$0	$0	$0
$0	Imp Non Res (3)	$0	$0	$0	$0	$0
$9,300	**Total**	**$9,300**	**$13,600**	**$6,900**	**$6,400**	**$6,400**
$0	Total Res (1)	$0	$0	$0	$0	$0
$0	Total Non Res (2)	$0	$0	$0	$0	$0
$9,300	Total Non Res (3)	$9,300	$13,600	$6,920	$0	$0

Land Data (Standard Depth: Res 150', CI 150')

Land Type	Pricing Method	Soil ID	Act Front.	Size	Factor	Rate	Adj. Rate	Ext. Value	Infl. %	Res Elig %	Market Factor	Value
11	A		0	0.1653	2.32	$25,000	$58,000	$9,587	0%	0%	0.9700	$9,300

Data Source N/A **Collector** **Appraiser**

Land Computations

Calculated Acreage	0.17
Actual Frontage	0
Developer Discount	☐
Parcel Acreage	0.00
81 Legal Drain NV	0.00
82 Public Roads NV	0.00
83 UT Towers NV	0.00
9 Homesite	0.00
91/92 Acres	0.00
Total Acres Farmland	0.00
Farmland Value	$0
Measured Acreage	0.00
Avg Farmland Value/Acre	0.0
Value of Farmland	$0
Classified Total	$0
Farm / Classifed Value	$0
Homesite(s) Value	$0
91/92 Value	$0
Supp. Page Land Value	
CAP 1 Value	$0
CAP 2 Value	$0
CAP 3 Value	$9,300
Total Value	**$9,300**

General Information

Parcel Number
56-16-20-442-001.000-011

Local Parcel Number
0130167000

Tax ID:

Routing Number
15-20-442-003.00

Property Class 330
Medium Manufacturing & Assembly

Year: 2014

Location Information

County
Newton

Township
JEFFERSON TOWNSHIP

District 011 (Local 013)
Kentland Corp (Jefferson)

School Corp 5995
SOUTH NEWTON

Neighborhood 5611008-011
KENTLAND CORP

Section/Plat
20

Location Address (1)
508 E WILSON ST
KENTLAND, IN 47951

Zoning

Subdivision

Lot

Market Model
5611008-I

Characteristics

Topography

Public Utilities

Streets or Roads
Unpaved

Neighborhood Life Cycle Stage
Other

Printed Thursday, September 25, 2014

Ownership

El Campo GP LLC, a Virginia Limited
% The Wm L Bonnell Company
PO Box 428
Newnan, GA 30265

Legal

PT SE SEC 20 T27N R9W
19.567 ACRES
KENTLAND

Transfer of Ownership

Date	Owner	Doc ID	Code	Book/Page	Sale Price
12/28/2012	El Campo GP LLC, a Virgin		WD	/	$0
01/01/1900	Capitol Products Corporatio		WD	/	$0

Notes

7/15/2013 14RK: Recheck for vacancy. Contact tax representative.

7/15/2013 13GI: Applied 20% Economic Obsolescence. Building closed in July 2012. All equipment removed and building currently for sale.

1/10/2013 12RS: Removed obsol. due to depreciation change

1/10/2013 ai: 0130167000

1/10/2013 ci: 5995

1/10/2013 MM01: Plexis Conv. Note 08/08/2001 Parcel
97 PAY 98 ADD DYE CLEANING ROOM
99PAY 00 CORRECTED ERRORS ON BLDG
01 PAY 02 NEW ADDITION AND REMOVED 2 SMALL
BUILDINGS

1/10/2013 MM02: Plexis Conv. Note 07/29/2004 Parcel
7/29/04 sq. feet increased by 182 when put on skecth

1/10/2013 MM03: Plexis Conv. Note 09/23/2004 Parcel
04 pay 05 added obsol to settle 2002 appeal this is effective for 02, 03, 04

Industrial

Valuation Records (Work In Progress values are not certified values and are subject to change)

2014	Assessment Year	2014	2013	2012	2011	2010
WIP	Reason For Change	AA	AA	GenReval	GenReval	Misc
05/22/2014	As Of Date	08/01/2014	09/23/2013	03/01/2012	03/01/2011	03/01/2010
Indiana Cost Mod	Valuation Method	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod
1.0000	Equalization Factor	1.0000	1.0000	1.0000	1.0000	1.0000
	Notice Required	☐	☐	☐	☐	☐
$380,000	**Land**	**$380,000**	**$380,000**	**$380,000**	**$243,100**	**$243,100**
$0	Land Res (1)	$0	$0	$0	$0	$0
$0	Land Non Res (2)	$0	$0	$0	$0	$0
$380,000	Land Non Res (3)	$380,000	$380,000	$379,990	$0	$0
$1,262,800	**Improvement**	**$1,262,800**	**$1,353,100**	**$2,223,200**	**$2,684,000**	**$3,076,900**
$0	Imp Res (1)	$0	$0	$0	$0	$0
$0	Imp Non Res (2)	$0	$0	$0	$0	$0
$1,262,800	Imp Non Res (3)	$1,262,800	$1,353,100	$2,223,200	$0	$0
$1,642,800	**Total**	**$1,642,800**	**$1,733,100**	**$2,603,200**	**$2,927,100**	**$3,320,000**
$0	Total Res (1)	$0	$0	$0	$0	$0
$0	Total Non Res (2)	$0	$0	$0	$0	$0
$1,642,800	Total Non Res (3)	$1,642,800	$1,733,100	$2,603,190	$0	$0

Land Data (Standard Depth: Res 150', CI 150')

Land Type	Pricing Method	Soil ID	Act Front.	Size	Factor	Rate	Adj. Rate	Ext. Value	Infl. %	Res Elig %	Market Factor	Value
11	A		0	9.0000	1.00	$25,000	$25,000	$225,000	0%	0%	0.9700	$218,250
12	A		0	5.5000	1.00	$18,800	$18,800	$103,400	0%	0%	0.9700	$100,300
13	A		0	5.0670	1.00	$12,500	$12,500	$63,338	0%	0%	0.9700	$61,440

Land Computations

Calculated Acreage	19.57
Actual Frontage	0
Developer Discount	☐
Parcel Acreage	0.00
81 Legal Drain NV	0.00
82 Public Roads NV	0.00
83 UT Towers NV	0.00
9 Homesite	0.00
91/92 Acres	0.00
Total Acres Farmland	0.00
Farmland Value	$0
Measured Acreage	0.00
Avg Farmland Value/Acre	0.0
Value of Farmland	$0
Classified Total	$0
Farm / Classifed Value	$0
Homesite(s) Value	$0
91/92 Value	$0
Supp. Page Land Value	
CAP 1 Value	$0
CAP 2 Value	$0
CAP 3 Value	$380,000
Total Value	**$380,000**

Data Source N/A **Collector** **Appraiser**

General Information

Occupancy	C/I Building	**Pre. Use**	Light Manufacturing
Description	C/I Building C 02	**Pre. Framing**	Fire Resistant
Story Height	1	**Pre. Finish**	Semi-Finished

	SB	B	1	U
Wall Type			2(155'),3(2395')	
Heating			123150 sqft	
A/C			6260 sqft	
Sprinkler			215759 sqft	

Plumbing RES/CI

	#	TF	#	TF
Full Bath	0	0	0	0
Half Bath	0	0	0	0
Kitchen Sinks		0		0
Water Heaters		0		0
Add Fixtures	0	0	45	45

Roofing

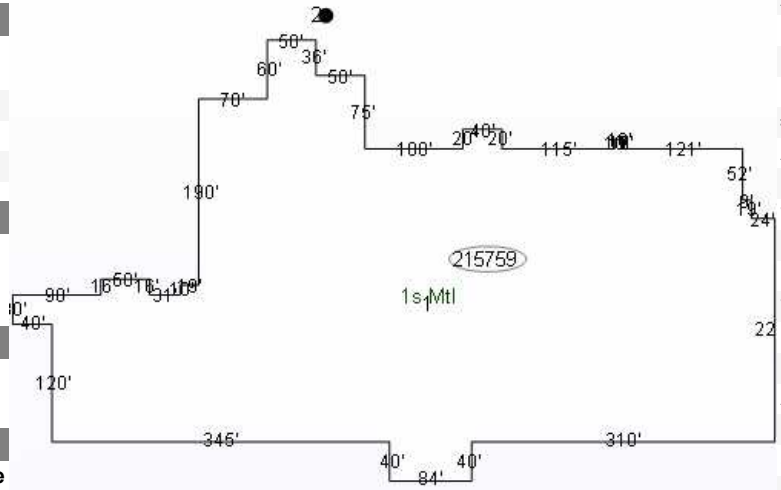
☐ Built Up ☐ Tile ☐ Metal
☐ Wood ☐ Asphalt ☐ Slate
☐ Other

GCK Adjustments

☐ Low Prof ☐ Ext Sheat ☐ Insulatio
☐ SteelGP ☐ AluSR ☐ Int Liner

Exterior Features

Description	Area	Value



Floor/Use Computations

Pricing Key	GCI	GCI	GCI	GCI
Use	INDOFF	INDOFF	LMFG	LWRHSE
Use Area	3360 sqft	2900 sqft	164309 sqft	20500 sqft
Area Not in Use	0 sqft	0 sqft	0 sqft	0 sqft
Use %	1.6%	1.3%	76.2%	9.5%
Eff Perimeter	2550'	2550'	2550'	2550'
PAR	1	1	1	1
# of Units / AC	/ N	/ N	/ N	/ N
Avg Unit sz|dpth				
Floor	1	1	1	1
Wall Height	12'	24'	24'	24'
Base Rate	**$50.59**	**$50.59**	**$32.43**	**$25.60**
Frame Adj	$0.00	$0.00	$0.00	$0.00
Wall Height Adj	$0.00	$7.67	$2.49	$0.96
Dock Floor	$0.00	$0.00	$0.00	$0.00
Roof Deck	$0.00	$0.00	$0.00	$0.00
Adj Base Rate	**$50.59**	**$58.26**	**$34.92**	**$26.56**
BPA Factor	1.00	1.00	1.00	1.00
Sub Total (rate)	**$50.59**	**$58.26**	**$34.92**	**$26.56**
Interior Finish	$0.00	$0.00	$0.00	$0.00
Partitions	$0.00	$0.00	$0.00	$0.00
Heating	$0.00	$0.00	($1.57)	$0.00
A/C	$0.00	$0.00	$0.00	$0.00
Sprinkler	$2.74	$2.74	$2.61	$2.04
Lighting	$0.00	$0.00	$0.00	$0.00
Unit Finish/SR	$0.00	$0.00	$0.00	$0.00
GCK Adj.	$0.00	$0.00	$0.00	$0.00
S.F. Price	**$53.33**	**$61.00**	**$35.96**	**$28.60**
Sub-Total				
Unit Cost	$0.00	$0.00	$0.00	$0.00
Elevated Floor	$0.00	$0.00	$0.00	$0.00
Total (Use)	**$179,185**	**$176,896**	**$5,907,741**	**$586,383**

Special Features

Description	Value
Mezz 950sqft	$37,839
Mezz 1116sqft	$26,204
Mezz 4814sqft	$210,998
DF, DTTA x120'	$5,680
DF, DTTA x48'	$2,270
DF, DTTA x118'	$5,590

Other Plumbing

Description	Value
9 x Ref Wat Cooler	$11700
4 x Circ Wash, ES 36	$10400
2 x SCirc Wash, ES 3	$4700

Building Computations

Sub-Total (all floors)	**$7,490,111**	Garages	$0
Racquetball/Squash	$0	Fireplaces	$0
Theater Balcony	$0	**Sub-Total (building)**	**$7,889,119**
Plumbing	$63,000	Quality (Grade)	$7,100,208
Other Plumbing	$26,800	Location Multiplier	0.95
Special Features	$309,208	**Repl. Cost New**	**$6,745,197**
Exterior Features	$0		

Summary of Improvements

Description	Res Eligibl	Story Height	Construction	Grade	Year Built	Eff Year	Eff Age	Cond	Base Rate	LCM	Adj Rate	Size	RCN	Norm Dep	Remain. Value	Abn Obs	PC	Nbhd	Mrkt	Improv Value
1: C/I Building C 02	0%	1	Metal	D+2	1977	1977	37	F		0.95			$6,745,197	79%	$1,416,490	25%	100%	1.00	1.1800	$1,253,600
2: Fencing C 02	0%	1		C	1973	1973	41	A	$13.69	0.95	$11.64	3530' x 6'	$39,023	80%	$7,800	0%	100%	1.00	1.1800	$9,200

Total all pages $1,262,800 **Total this page** $1,262,800

Floor/Use Computations

Pricing Key	GCI
Use	LUTLSTOR
Use Area	24690 sqft
Area Not in Use	0 sqft
Use %	11.4%
Eff Perimeter	2550'
PAR	1
# of Units / AC	/ N
Avg Unit sz|dpth	
Floor	1
Wall Height	24'
Base Rate	**$22.28**
Frame Adj	$0.00
Wall Height Adj	$1.60
Dock Floor	$0.00
Roof Deck	$0.00
Adj Base Rate	**$23.88**
BPA Factor	1.00
Sub Total (rate)	**$23.88**
Interior Finish	$0.00
Partitions	$0.00
Heating	$0.00
A/C	$0.00
Sprinkler	$2.04
Lighting	$0.00
Unit Finish/SR	$0.00
GCK Adj.	$0.00
S.F. Price	**$25.92**
Sub-Total	
Unit Cost	$0.00
Elevated Floor	$0.00
Total (Use)	**$639,905**

Special Features

Description	Value
Mezz 534sqft	$20,628

Exterior Features

Description	Area	Value

Other Plumbing

Description	Value

Summary of Improvements

Description	Res Eligibl	Story Height	Construction	Grade	Year Built	Eff Year	Eff Age	Co nd	Base Rate	LCM	Adj Rate	Size	RCN	Norm Dep	Remain. Value	Abn Obs	PC	Nbhd	Mrkt	Improv Value

Total all pages $1,262,800

56-16-20-442-004.000-011 | **El Campo GP LLC, a Virginia Lim** | **VACANT LAND WILSON ST** | **399, Other Industrial Structure** | **KENTLAND CORP/5611008**

General Information

Parcel Number
56-16-20-442-004.000-011

Local Parcel Number
0130166000

Tax ID:

Routing Number
15-20-442-004

Property Class 399
Other Industrial Structure

Year: 2014

Location Information

County
Newton

Township
JEFFERSON TOWNSHIP

District 011 (Local 013)
Kentland Corp (Jefferson)

School Corp 5995
SOUTH NEWTON

Neighborhood 5611008-011
KENTLAND CORP

Section/Plat
20

Location Address (1)
VACANT LAND WILSON ST
KENTLAND, IN 47951

Zoning

Subdivision

Lot

Market Model
5611008-I

Characteristics

Topography

Public Utilities

Streets or Roads
Unpaved

Neighborhood Life Cycle Stage
Other

Printed Thursday, September 25, 2014

Ownership

El Campo GP LLC, a Virginia Limited
% The Wm L Bonnell Company
PO Box 428
Newnan, GA 30265

Legal

LOTS 3, 4, 5, 6 & W 64' LOT 2
BLK 2 BATTON'S FIRST ADD
KENTLAND

Transfer of Ownership

Date	Owner	Doc ID	Code	Book/Page	Sale Price
12/28/2012	El Campo GP LLC, a Virgin		WD	/	$0
01/01/1900	Capitol Products Corporatio		WD	/	$0

Notes

1/10/2013 ai: 0130166000

1/10/2013 ci: 5995

1/10/2013 MM01: Plexis Conv. Note 10/26/1999
Parcel
99 PAY 00 CORRECT LAND

1/10/2013 RE09: REASSESSMENT 2009
ADDED PAVING

Industrial

Valuation Records (Work In Progress values are not certified values and are subject to change)

2014	Assessment Year	2014	2013	2012	2011	2010
WIP	Reason For Change	AA	AA	GenReval	GenReval	Misc
08/19/2014	As Of Date	08/01/2014	09/23/2013	03/01/2012	03/01/2011	03/01/2010
Indiana Cost Mod	Valuation Method	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod
1.0000	Equalization Factor	1.0000	1.0000	1.0000	1.0000	1.0000
	Notice Required	☐	☐	☐	☐	☐
$54,400	**Land**	**$54,400**	**$54,400**	**$54,400**	**$35,500**	**$35,500**
$0	Land Res (1)	$0	$0	$0	$0	$0
$0	Land Non Res (2)	$0	$0	$0	$0	$0
$54,400	Land Non Res (3)	$54,400	$54,400	$54,400	$0	$0
$31,600	**Improvement**	**$31,600**	**$31,000**	**$29,800**	**$25,900**	**$25,900**
$0	Imp Res (1)	$0	$0	$0	$0	$0
$0	Imp Non Res (2)	$0	$0	$0	$0	$0
$31,600	Imp Non Res (3)	$31,600	$31,000	$29,800	$0	$0
$86,000	**Total**	**$86,000**	**$85,400**	**$84,200**	**$61,400**	**$61,400**
$0	Total Res (1)	$0	$0	$0	$0	$0
$0	Total Non Res (2)	$0	$0	$0	$0	$0
$86,000	Total Non Res (3)	$86,000	$85,400	$84,200	$0	$0

Land Data (Standard Depth: Res 150', CI 150')

Land Type	Pricing Method	Soil ID	Act Front.	Size	Factor	Rate	Adj. Rate	Ext. Value	Infl. %	Res Elig %	Market Factor	Value
12	A		0	1.7600	1.00	$18,800	$18,800	$33,088	0%	0%	0.9700	$32,100
13	A		0	1.8390	1.00	$12,500	$12,500	$22,988	0%	0%	0.9700	$22,300

Land Computations

Calculated Acreage	3.60
Actual Frontage	0
Developer Discount	☐
Parcel Acreage	0.00
81 Legal Drain NV	0.00
82 Public Roads NV	0.00
83 UT Towers NV	0.00
9 Homesite	0.00
91/92 Acres	0.00
Total Acres Farmland	0.00
Farmland Value	$0
Measured Acreage	0.00
Avg Farmland Value/Acre	0.0
Value of Farmland	$0
Classified Total	$0
Farm / Classifed Value	$0
Homesite(s) Value	$0
91/92 Value	$0
Supp. Page Land Value	
CAP 1 Value	$0
CAP 2 Value	$0
CAP 3 Value	$54,400
Total Value	**$54,400**

Data Source N/A **Collector** **Appraiser**

General Information

Occupancy	Paving
Description	Paving C 01
Story Height	0
Style	N/A
Finished Area	
Make	

Floor Finish

- [ ] Earth
- [ ] Tile
- [ ] Slab
- [ ] Carpet
- [ ] Sub & Joint
- [ ] Unfinished
- [ ] Wood
- [ ] Other
- [ ] Parquet

Wall Finish

- [ ] Plaster/Drywall
- [ ] Unfinished
- [ ] Paneling
- [ ] Other
- [ ] Fiberboard

Plumbing

	#	TF
Full Bath		
Half Bath		
Kitchen Sinks		
Water Heaters		
Add Fixtures		
Total		

Accomodations

Bedrooms	
Living Rooms	
Dining Rooms	
Family Rooms	
Total Rooms	

Heat Type

Roofing

- [ ] Built-Up
- [ ] Metal
- [ ] Asphalt
- [ ] Slate
- [ ] Tile
- [ ] Wood Shingle
- [ ] Other

Exterior Features

Description	Area	Value

Specialty Plumbing

Description	Count	Value

Cost Ladder

Floor	Constr	Base	Finish	Value	Totals
1					
2					
3					
4					
1/4					
1/2					
3/4					
Attic					
Bsmt					
Crawl					
Slab					
			Total Base		
Adjustments			**Row Type Adj.**		
Unfin Int (-)					
Ex Liv Units (+)					
Rec Room (+)					
Loft (+)					
Fireplace (+)					
No Heating (-)					
A/C (+)					
No Elec (-)					
Plumbing (+ / -)					
Spec Plumb (+)					
Elevator (+)					
			Sub-Total, One Unit		$0
			Sub-Total, 1 Units		
Exterior Features (+)				$0	$0
Garages (+) 0 sqft				$0	$0
			Quality and Design Factor (Grade)		141,001.00
			Location Multiplier		0.95
			Replacement Cost		$133,950

Summary of Improvements

Description	Res Eligibl	Story Height	Construction	Grade	Year Built	Eff Year	Eff Age	Co nd	Base Rate	LCM	Adj Rate	Size	RCN	Norm Dep	Remain. Value	Abn Obs	PC	Nbhd	Mrkt	Improv Value
1: Paving C 01	0%	1		C	1973	1973	41	A	$2.00	0.95	$2.00	70500 sqft	$133,950	80%	$26,790	0%	100%	1.00	1.1800	$31,600

Total all pages $31,600 **Total this page** $31,600

56-16-20-800-005.001-011 | **El Campo GP, LLC a Virginia Lim** | **(TO BE ASSIGNED)** | **300, Vacant Land** | **Kentland commercial/5611**

General Information

Parcel Number
56-16-20-800-005.001-011

Local Parcel Number
0130928000

Tax ID:

Routing Number
15-20-006

Property Class 300
Vacant Land

Year: 2014

Location Information

County
Newton

Township
JEFFERSON TOWNSHIP

District 011 (Local 013)
Kentland Corp (Jefferson)

School Corp 5995
SOUTH NEWTON

Neighborhood 5611009-011
Kentland commercial

Section/Plat
20

Location Address (1)
(TO BE ASSIGNED)
,

Zoning

Subdivision

Lot

Market Model
5611009-I

Characteristics

Topography

Public Utilities

Streets or Roads
Unpaved

Neighborhood Life Cycle Stage
Other

Printed Thursday, September 25, 2014

Ownership

El Campo GP, LLC a Virginia Limited
% The Wm L Bonnell Campany
PO Box 428
Newnan, GA 30265

Legal

PT SE SEC 20
T27N R9W 1.06 ACRES
KENTLAND

Transfer of Ownership

Date	Owner	Doc ID	Code	Book/Page	Sale Price
12/28/2012	El Campo GP, LLC a Virgin		WD	/	$0
01/01/1900	Capitol Products Corporatio		WD	/	$0

Notes

1/10/2013 ai: 0130928000

1/10/2013 ci: 5995

1/10/2013 MM01: Plexis Conv. Note 10/26/1999 Parcel
99 PAY 00 CORRECTED LAND TO AG AS IT IS BEING
TILLED

Industrial

Valuation Records (Work In Progress values are not certified values and are subject to change)

2014	Assessment Year	2014	2013	2012	2011	2010
WIP	Reason For Change	AA	AA	GenReval	GenReval	Misc
05/22/2014	As Of Date	08/01/2014	09/23/2013	03/01/2012	03/01/2011	03/01/2010
Indiana Cost Mod	Valuation Method	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod
1.0000	Equalization Factor	1.0000	1.0000	1.0000	1.0000	1.0000
	Notice Required	☐	☐	☐	☐	☐
$13,700	**Land**	**$13,700**	**$13,700**	**$13,700**	**$8,600**	**$8,600**
$0	Land Res (1)	$0	$0	$0	$0	$0
$0	Land Non Res (2)	$0	$0	$0	$0	$0
$13,700	Land Non Res (3)	$13,700	$13,700	$13,650	$0	$0
$0	**Improvement**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	Imp Res (1)	$0	$0	$0	$0	$0
$0	Imp Non Res (2)	$0	$0	$0	$0	$0
$0	Imp Non Res (3)	$0	$0	$0	$0	$0
$13,700	**Total**	**$13,700**	**$13,700**	**$13,700**	**$8,600**	**$8,600**
$0	Total Res (1)	$0	$0	$0	$0	$0
$0	Total Non Res (2)	$0	$0	$0	$0	$0
$13,700	Total Non Res (3)	$13,700	$13,700	$13,650	$0	$0

Land Data (Standard Depth: Res 150', CI 150')

Land Type	Pricing Method	Soil ID	Act Front.	Size	Factor	Rate	Adj. Rate	Ext. Value	Infl. %	Res Elig %	Market Factor	Value
13	A		0	1.0600	1.00	$12,500	$12,500	$13,250	0%	0%	1.0300	$13,650

Land Computations

Calculated Acreage	1.06
Actual Frontage	0
Developer Discount	☐
Parcel Acreage	1.06
81 Legal Drain NV	0.00
82 Public Roads NV	0.00
83 UT Towers NV	0.00
9 Homesite	0.00
91/92 Acres	0.00
Total Acres Farmland	1.06
Farmland Value	$0
Measured Acreage	0.00
Avg Farmland Value/Acre	0.0
Value of Farmland	$0
Classified Total	$0
Farm / Classifed Value	$0
Homesite(s) Value	$0
91/92 Value	$0
Supp. Page Land Value	
CAP 1 Value	$0
CAP 2 Value	$0
CAP 3 Value	$13,700
Total Value	**$13,700**

Data Source N/A **Collector** **Appraiser**

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Carol S. Comer
Commissioner

Nov. 19, 2015

Terry D Snell
Bon L Manufacturing
PO Box 428
Newnan, GA 30264

Dear Mr. Snell:

Re: Remediation Work Plan Approval
Bon L Manufacturing Company
508 West Wilson Street
Kentland, IN
VRP #6130501

Pursuant to Indiana Code 13-25-5-9, the Indiana Department of Environmental Management (IDEM) has reviewed the Voluntary Remediation Work Plan (RWP) submitted for the Bon L Manufacturing Company site to ensure the requirements for approval have been met. The RWP was also placed on public notice with no comments or requests for a public hearing received.

In accordance with the authority granted by that provision, staff has recommended that the RWP be approved. Based on that recommendation, the RWP is hereby approved. Please note that in accordance with Indiana Code 13-25-5-14, if you intend to proceed with the implementation of the work plan you must notify IDEM in writing within sixty days from the date of this letter of this intent.

In accordance with the Indiana Code 13-25-5-13, this notice is issued to comply with due process requirements under Indiana Code 4-21.5-3-5(b) and (c). Additionally, other people have been notified of this action pursuant to Indiana Code 4-21.5-3-5(b)5. They are identified at the end of this letter.

Pursuant to Indiana Code 13-25-5-13(3), you, as the Applicant, may appeal this action. Should you decide to appeal this action, Indiana Code 4-21.5-3-7(a)(2) requires that you do so within fifteen (15) days of receipt of this notice. A petition for appeal must be submitted in writing to the Office of Environmental Adjudication, IGCN, Room 1049, 100 North Senate Avenue, Indianapolis, Indiana 46204. Interested parties who appeal this action are requested to submit a copy of the petition to the Voluntary Remediation Program, IGCN 1101, Indianapolis, Indiana 46204-2251. Please consult Indiana Code 4-21.5 for requirements to appeal this decision.

Thank you for your participation in the Voluntary Remediation Program and I look forward to the successful completion of this project.

Sincerely,

Peggy Dorsey
Deputy Assistant Commissioner
Office of Land Quality

cc: President – James Sammons
Kentland Town Council
Newton County Health Department

INDUSTRIAL/HAZARDOUS WASTE INSPECTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Inspector's Name:	Debbie Chesterson
Others Present	
Date:	Wednesday, July 23, 2014
Time In:	10:00 AM
Time Out:	10:15 AM
Inspection Type	Compliance Evaluation Inspection

General Information

Facility Information	
Facility Name	Bon L Manufacturing Co.
Facility Location	508 W. Wilson St. Kentland, IN 47951 Newton County
Facility Mailing Information	Same Address as Facility
Facility Contact	
Primary Facility Contact During Inspection	
Other Facility Contact(s) During Inspection	

Facility ID			
EPA ID Number	IND057396608	**NAICS Code**	331316, 332813

Facility Status			
File Status	Small Quantity Hazardous Waste Generator	**Other Activities**	Universal Waste Handler

Outstanding Issues	
Last Inspection Date	6/10/2013
Previous Violations	○ Yes ◉ No
Details	

Inspection Narrative

Bon L Manufacturing Co. is no longer in operation at this location. The last RCRA inspection occurred 6/10/13. At that time, all process waste had been removed from the site. In addition, clean-up of contaminated soil, concrete, etc. had also occurred with all required documentation and disposal manifests provided for review during that inspection. The facility is currently active in the IDEM Voluntary Remediation Program for TCE in the groundwater and other remediation activities.

Regulatory Status			
Observed Activity	Small Quantity Generator	**Other Activities**	
Documents Reviewed			
Comments			

Waste Management

Comments:	

Waste Stream(s) Information

Waste Streams
(•) Yes ( ) No ( ) Not Inspected ( ) Not Applicable

List waste stream(s) information that varies from the most recent Annual Report (Example: additional waste streams, waste streams no longer generated, significant increase/decrease in generation rate, etc.)

EPA Waste Codes	Description	Source	Generation Rate	Disposition
See most recent manifest report				

Exempted/Excluded	( ) Yes (•) No ( ) Not Inspected ( ) Not Applicable
Explanation	

Waste Management Areas

Container Management Area(s)	( ) Yes (•) No ( ) Not inspected ( ) Not applicable
Satellite Area(s)	( ) Yes (•) No ( ) Not inspected ( ) Not applicable

Tanks, Restricted Waste Sites, and Other Regulated Units
( ) Yes (•) No ( ) Not inspected ( ) Not applicable

Environmental Releases

Visible Releases/Contamination/Discharges	( ) Yes (•) No Release Observed

Compliance Assistance

P2 Information

The following P2 suggestions could possibly save money, reduce waste and/or minimize risk. You might consider having a P2 assessment, or a voluntary technical assistance consultation from IDEM staff. Please visit the agency's P2 web site at http://www.in.gov/idem/5298.htm for additional information.

Contact by IDEM OPPTA Requested	( ) Yes ( ) No	
P2 Suggestions		

Guidance Materials

Guidance Materials Provided to Facility	

Multi-Media Screening
(Checked box indicates a concern)

Comments:

Multi-Media Screening Conducted	( ) Yes (•) No

Water Concerns
- [ ] Process wastewater discharge to a POTW collection system (i.e. sewer) without a permit
- [ ] Direct discharge (from industrial process, industrial wastewater treatment or non-contact cooling water) to receiving water near the facility without an NPDES permit
- [ ] Process materials such as cleaners, solvents,

Air Concerns
- [ ] Visible emissions from stacks or vents
- [ ] Dust crossing property lines
- [ ] Open solvent containers
- [ ] Spray booth filters not securely in place
- [ ] Open burning

paints, lubricants, etc. are escaping through floor drains	
Storm Water Concerns ☐ NOI for Rule 6 (see applicable SIC codes) ☐ Storm Water Pollution Prevention Plan (must be developed within 365 days of NOI). ☐ Storm water annual sample ☐ Measures to ensure contaminants from industrial activities aren't exposed to storm water ☐ Documented quarterly inspections of storm water run-off conveyances ☐ Documented annual employee training on SWP3 ☐ Rule 5 storm water permit for land disturbing activities greater than 1 acre ☐ Signs of erosion or off-site sedimentation into waters of the state from construction sites	**Drinking Water Concerns** ☐ PWSID# (applies to 25 or more employees on self-supplied drinking water system) ☐ Contamination within 200 ft of wellhead **TRI Concerns** ☐ Lack of TRI report (applies to 10 or more employees in applicable SIC codes) **UST Concerns** ☐ Unregistered UST containing petroleum or hazardous substance

Checklist **(Checked box indicates a compliance concern)**	
Standards ☐ Hazardous Waste Determination ☐ EPA Identification Number(s) ☐ Manifest General Requirements ☐ Use of the Manifest ☐ Biennial Report	**Satellite Accumulation – SQG and LQG** ☐ Satellite Accumulation - 55 Gallon ☐ Satellite Accumulation - Label ☐ Satellite Containers Closed
Container Management – LQG ☐ Accumulated On-site for 90 Days or Less ☐ Hazardous Waste Container Condition ☐ Hazardous Waste Container Compatibility ☐ Hazardous Waste Containers Closed ☐ Hazardous Waste Container Handling ☐ Hazardous Waste Container Inspections ☐ Accumulation Start Date Clearly Marked and Visible ☐ Marked Clearly with Words "Hazardous Waste"	**Container Management – SQG** ☐ Accumulate for 180 Days or Less ☐ May not Exceed 6000 Kg (13,200 Lbs) ☐ Hazardous Waste Container Condition ☐ Hazardous Waste Container Compatibility ☐ Hazardous Waste Containers Closed ☐ Hazardous Waste Container Handling ☐ Hazardous Waste Container Inspection ☐ Accumulation Start Date Clearly Marked and Visible ☐ Marked Clearly with the Words "Hazardous Waste"
Preparedness and Prevention – LQG and SQG ☐ Maintained and Operated to Minimize Possibility of a Release ☐ Required Equipment ☐ Communication & Alarm Access ☐ Aisle Space	**Contingency Plan and Emergency Procedures – LQG** ☐ Contingency Plan Developed ☐ Contingency Plan Content ☐ Contingency Plan Maintained at Facility
Personnel Training – LQG ☐ Personnel Training	**Training and Emergency Procedures – SQG** ☐ SQG Emergency Coordinator

	☐ Emergency Information Posted ☐ Employee Training
Tank Requirements – LQG ☐ Integrity Assessment ☐ Containment and Release Detection ☐ Tank General Requirements ☐ Tank Inspections ☐ Subpart BB - Monthly Pump and Valve Monitoring ☐ Subpart CC - Annual Inspection/Monitoring	**Used Oil – All Facilities** ☐ Rebuttable Presumption Applies ☐ Containers and Tanks in Good Condition ☐ Containers/Tank Labeling ☐ Release Clean Up and Containment ☐ Burning Restrictions - Generated On-site or DIy, .5M BTU
Additional Requirements – LQG and SQG ☐ Release to the Environment, Disposal of Solid Waste ☐ Illegal Dumping ☐ Land-Ban Notification ☐ Other Violation	**Universal Waste – All Facilities** ☐ Universal Waste Labeling ☐ Containers - Closed, Good Condition, No Evidence of Leaks ☐ Universal Waste - Bulb Crushing Prohibition

Description of Violation(s)

Inspection Documentation		
Photographs	◉ Yes ○ No	
Map	○ Maps	
GPS Location Collected	○ Yes ◉ No	
Analytical Screening Conducted	○ Yes ◉ No	
Lab Sample	○ Yes ◉ No	

Inspection Results/Actions
Comments:
Inspection Results
Facility is no longer in operation
Multi-Media Screening Results
Multi-Media Screening Not Conducted

Finalize Inspection		
Written Summary of Inspection		
Inspector Information	Printed/Typed Name	Debbie Chesterson

	Phone Number:	(317) 417-7891
	Email Address:	djcheste@idem.in.gov
	Signature:	
Facility Representative Signature	Printed/Typed Name:	No facility representative present
	Signature:	

Photo Table

Number	1
Description	Front of building
Photographer	Debbie Chesterson
Facility Name	Bon L Manufacturing Co.
Photo Date	7/23/2014
Others	

January 12, 2016

Mr. Damon Ridley
Voluntary Remediation Program
MC 66-30V IGCN 1101
Indianapolis, IN 46204-2251

Subject: **Submittal of Groundwater Monitoring Report for the Bon L Manufacturing Company Kentland, IN Facility Kentland, Newton County, Indiana IDEM VRP # 6130501**

Dear Mr. Ridley:

Amec Foster Wheeler Environment & Infrastructure, Inc. hereby submits this Groundwater Monitoring Report to the Indiana Department of Environmental Management (IDEM) on behalf of Bon L Manufacturing Company (Bon L) for their Kentland, IN facility (Facility). In accordance with the Revised Remediation Work Plan (May 13, 2015), Bon L conducted groundwater sampling events in April and September 2015. A summary of those groundwater sampling events is presented herein.

Thank you for your assistance with this project. Please contact Leslie Miller at 770-421-3321 if you have any questions or require additional information.

Sincerely,

Amec Foster Wheeler Environment & Infrastructure, Inc.

Leslie S. Miller
Project Manager

For Michael J. Hoffman
with permission
Elizabeth A. Thompson
Michael J. Hoffman
Principal Engineer

Christopher Everts, P.E. (IN 11500116)
Senior Engineer

cc: Terry Snell – Bonnell Aluminum
Janette Courtney – Bonnell Aluminum

GROUNDWATER MONITORING REPORT

APRIL AND SEPTEMBER 2015 SAMPLING EVENTS

BON L MANUFACTURING COMPANY
KENTLAND, INDIANA

Prepared for:

THE WILLIAM L BONNELL CO., INC.

BON L MANUFACTURING COMPANY

508 WILSON STREET
KENTLAND, INDIANA 47951

JANUARY 2016

PREPARED BY:

AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC.
1075 BIG SHANTY ROAD NW, SUITE 100
KENNESAW, GEORGIA 30144

GROUNDWATER MONITORING REPORT
APRIL AND SEPTEMBER 2015 SAMPLING EVENTS

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GROUNDWATER MONITORING REPORT
APRIL AND SEPTEMBER 2015 SAMPLING EVENTS

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3-2	VOC Concentrations in Groundwater
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GROUNDWATER MONITORING REPORT
APRIL AND SEPTEMBER 2015 SAMPLING EVENTS

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2-1	Monitoring Well Network
3-1a	Groundwater Elevations, April 2015
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3-2c	Groundwater Monitoring Results – VOCs (Former Maintenance Building)
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GROUNDWATER MONITORING REPORT
APRIL AND SEPTEMBER 2015 SAMPLING EVENTS

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APPENDIX	TITLE
A	Field Sampling Records – April and September 2015
B	Laboratory Analytical Reports – April and September 2015
C	Historical VOC Data
D	Historical Metals Data

SECTION 1 INTRODUCTION

1.1 BACKGROUND

Bon L Manufacturing Co. (Bon L) operated an aluminum extrusion facility located at 508 W. Wilson St, Kentland, IN, between 1972 and 2012. Activities throughout the operational history of the facility included aluminum extrusion, aluminum painting, sulfuric acid anodizing, and incidental equipment maintenance and cleaning. During the operational period, the facility maintained a Title V Air Permit (T111-18828-00005), a National Pollutant Discharge Elimination System (NPDES) Permit (Permit 0049859), an Industrial Wastewater Pretreatment Permit (Permit INP 000090), and was a registered generator of hazardous waste with United States Environmental Protection Agency (EPA) with identification number IND057396608. There were two different wastewater treatment (WWT) systems at the site, one for the paint line and one for the anodizing line.

All manufacturing operations ended in July 2012. Over the next several months, all machinery and equipment were removed and the interior of the manufacturing building was cleaned. Although the site was listed as a small quantity hazardous waste generator after closure in order to dispose of remediation wastes, no wastes have been generated since closure. Therefore, the site no longer has a hazardous waste generator status.

Bon L entered into the Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program (VRP) with the Site being assigned VRP #6130501. The Voluntary Remediation Agreement (VRA) between Bon L and IDEM was executed on January 13, 2014. A map displaying the location of the Site is provided as Figure 1-1, Site Location Map.

In accordance with the VRA, Bon L submitted a Remediation Work Plan (RWP) on November 14, 2014. This RWP was subsequently revised and resubmitted to IDEM on May 13, 2015. The Revised RWP was approved by IDEM in a letter dated November 19, 2015.

1.2 MONITORING EVENTS

A groundwater monitoring event was conducted at the Site from April 27, 2015, to April 30, 2015, to provide an updated baseline for comparison of future groundwater concentrations. The April 2015 sampling event is the first comprehensive sampling event to include all wells and constituents specified in the RWP. Therefore, the April 2015 sampling event establishes a baseline consistent with the RWP with which future contaminant concentrations can be compared. In accordance with Section 3.3.1 of the Revised RWP, 21 groundwater monitoring wells were identified for sampling. A site plan of the Kentland, IN, facility (Figure 1-2, Site Layout Map) indicates the locations of the 21 monitoring wells monitored

during the baseline sampling event. Based on previous detections of volatile organic compounds (VOCs) and metals in groundwater, samples from the 21 wells were analyzed for VOCs and metals in accordance with the RWP. Additionally, all samples were analyzed for select monitored natural attenuation (MNA) parameters as discussed in Section 3.2 of the Revised RWP.

A follow-up monitoring event was conducted at the Site from September 8, 2015, to September 10, 2015, to obtain groundwater levels at all 33 monitoring wells and for further characterization of the monitoring wells analyzed for VOCs. Groundwater samples were not analyzed for metals or MNA parameters during the September 2015 monitoring event. The results of the baseline monitoring event and the follow-up monitoring event are summarized in this report.

SECTION 2 GROUNDWATER SAMPLING ACTIVITIES

2.1 MONITORING WELL NETWORK

A total of 21 monitoring wells were selected for monitoring. As documented in the May 13, 2015, Revised RWP, ten monitoring wells are to be monitored for VOCs only, eight monitoring wells are to be monitored for metals only, and three monitoring wells are to be monitored for both VOCs and metals as indicated on Figure 1-2, Site Layout Map. MW-5 was scheduled to be sampled for metals; however during the baseline monitoring event, MW-5, which is located in a low-lying area, was under water. For that reason, a groundwater sample was not collected from MW-5. A groundwater sample will be collected from MW-5 during the next groundwater sampling event provided the monitoring well is accessible.

The 13 monitoring wells sampled for VOCs are part of four distinct VOC areas of concern (AOCs) as defined in the May 13, 2015, Revised RWP. These AOCs are found in the Former Maintenance Building Area, the Paint Room Area, the Exterior Paint Dock Area, and the Former Incinerator Area. MW-1 is utilized as the background well and is sampled for both VOCs and metals. Table 2-1, Monitoring Well Network, provides the AOC associations and monitoring parameters for each monitoring well included in the groundwater monitoring program. The monitoring wells utilized to monitor metals concentrations were selected based upon locations where individual metals concentrations were previously detected.

2.2 GROUNDWATER SAMPLING PROCEDURES

Groundwater purging was accomplished with the use of a bladder pump following IDEM low-flow purging protocols found in the IDEM Technical Guidance Document titled “The Micro-Purge Sampling Option”. Field Parameter Measurement sheets, included in Appendix A, Field Sampling Records, were used to record temperature, specific conductivity, pH, oxidation reduction potential (redox), dissolved oxygen (DO), and turbidity at roughly three to five minute intervals during purging and sampling. Principally, sampling of a monitoring well during low-flow purging was contingent upon stabilization of the following parameters: three consecutive readings of ±10 percent for turbidity and DO, ±3 percent for conductivity and temperature, ±10 microvolts for redox, and ±0.1 pH units for pH.

SECTION 3 MONITORING RESULTS AND TRENDS

3.1 GROUNDWATER FLOW DIRECTION AND VELOCITY

Potentiometric surface maps of the site, prepared using data collected from the April and September 2015 monitoring events, are presented on Figures 3-1a, Potentiometric Surface Contour Map, April 2015, and 3-1b, Potentiometric Surface Contour Map, September 2015, respectively. These figures were developed using the depth to water measurements collected on April 27, 2015, and September 8, 2015, presented in Table 3-1a, Groundwater Elevations, April 2015, and Table 3-1b, Groundwater Elevations, September 2015, respectively. The groundwater flow direction in both April and September 2015 was generally towards the north across the property similar to historical flow directions.

Hydraulic gradients measured from Figure 3-1a, Potentiometric Surface Contour Map, April 2015, range from 0.0103 feet per foot (ft/ft) to 0.021 ft/ft, and the overall average hydraulic gradient for the site was approximately 0.0159 ft/ft in April 2015. The average hydraulic conductivity on the site was 0.172 feet per day (ft/d). Historically, the effective porosity at this site has been assumed to be 21.5 percent. The average groundwater flow velocity at the site, using Darcy's equation, was approximately 4.64 feet per year (ft/yr), which is within the range of historical flow velocities for this site.

Hydraulic gradients measured from Figure 3-1b, Potentiometric Surface Contour Map, September 2015, range from 0.0115 ft/ft to 0.025 ft/ft, and the overall average hydraulic gradient for the site was approximately 0.0169 ft/ft in September 2015. The average hydraulic conductivity on the site was 0.172 ft/d. Historically, the effective porosity at this site has been assumed to be 21.5 percent. The average groundwater flow velocity at the site, using Darcy's equation, was approximately 4.93 ft/yr, which is within the range of historical flow velocities for this site.

3.2 GROUNDWATER ANALYTICAL RESULTS - VOCs

Laboratory reports for the April 2015 and September 2015 sampling events are included in Appendix B, Laboratory Analytical Reports. Analytical results for VOCs from the sampling events are included in Tables 3-2a through 3-2d, Groundwater Monitoring Results (VOCs). Additionally, the analytical results for VOCs for the April 2015 and September 2015 groundwater monitoring events are presented on Figure 3-2, VOC Concentrations in Groundwater, and historical VOC data can be found in Appendix C, Historical VOC Data. Laboratory reports for historical groundwater data collected prior to April 2015 were provided in the RWP.

3.2.1 Paint Room Area

Analytical results from the April 2015 and September 2015 groundwater monitoring events can be found in Table 3-2a, Groundwater Monitoring Results (VOCs) for the Paint Room Area. Analytical results for the two source messenger wells for the Paint Room Area (MW-28 and MW-29) indicate reductions in VOC concentrations when compared with the March 2014 data. The ethylbenzene concentration in MW-28 decreased from 7,800 ug/L in March 2014 to below detection limits (BDL) in April 2015, and remained at BDL in September 2015. This is a substantial decrease of approximately 100 percent from March 2014 to both April 2015 and September 2015.

The total xylene concentration in MW-28 decreased from 29,000 ug/L in March 2014 to BDL in April 2015, and remained at BDL in September 2015. This is a substantial decrease of approximately 100 percent from March 2014 to both April 2015 and September 2015.

In both April and September 2015, all other VOCs were below reporting limits and all VOC concentrations in MW-28 are below the Residential Groundwater Screening Levels for Tapwater (RGWT) concentrations.

The methyl ethyl ketone (MEK) concentration in MW-29 decreased from 25,000 ug/L in March 2014 to 10,000 ug/L in April 2015, and further decreased to 3,020 ug/L in September 2015. These concentrations represent reductions for total MEK of approximately 60 percent from March 2014 to April 2015, and approximately 70 percent from April 2015 to September 2015, and approximately 88 percent from March 2014 to September 2015, all of which are substantial reductions. The September 2015 MEK concentration is below the RGWT concentration of 5,600 ug/L.

Total xylene concentrations in MW-29 decreased from 78,000 ug/L in March 2014 to 69,000 ug/L in April 2015, and further decreased to 14,900 in September 2015. These concentrations represent reductions for total xylenes of approximately 11 percent from March 2014 to April 2015, approximately 78 percent from April 2015 to September 2015, which is a substantial reduction, and approximately 81 percent from March 2014 to September 2015, which is also a substantial reduction. The September 2015 total xylenes concentration remains above the RGWT concentration of 10,000 ug/L.

The 1,2,3-trimethylbenzene concentration in MW-29 increased from 280 ug/L in March 2014 to 282 ug/L in September 2015. These concentrations represent no change from March 2014 to September 2015. MW-29 was not sampled for 1,2,3-trimethylbenzene in April 2015. However, the September 2015 concentration remains above the RGWT concentration of 10 ug/L.

The 1,2,4-trimethylbenzene concentration in MW-29 decreased from 330 ug/L in March 2014 to 200 ug/L in April 2015, and increased to 240 ug/L in September

2015. These concentrations represent no real change for 1,2,4-trimethylbenzene between the three sampling events. The September 2015 concentration remains above the RGWT concentration of 15 ug/L.

The ethylbenzene concentration in MW-29 decreased from 3,800 ug/L in March 2014 to 510 ug/L in April 2015, but increased to 949 ug/L in September 2015. These concentrations represent an overall reduction for ethylbenzene of approximately 75 percent from March 2014 to September 2015. However, the September 2015 concentration remains above the RGWT concentration of 700 ug/L.

Naphthalene was BDL in MW-29 for the March 2014 and April 2015 sampling events. However, in the September 2015 event, the result indicates a concentration of 155 ug/L, which is above the RGWT concentration of 1.7 ug/L.

While decreasing concentrations in the Paint Room Area are a positive sign, many of these concentrations remain above RGWTs.

3.2.2 Exterior Paint Dock Area

Analytical results from the April 2015 and September 2015 groundwater monitoring events can be found in Table 3-2b, Groundwater Monitoring Results (VOCs) for the Exterior Paint Dock Area. Analytical results for the source messenger well for the Exterior Paint Dock Area (MW-31) indicate reductions in VOC concentrations in the data collected in April 2015 when compared with the April 2014 data. However, VOC concentrations increased in the data collected in September 2015 as compared to the April 2015 data as detailed below.

In MW-31, 1,2-dichloroethane (1,2-DCA) increased from 54 ug/L in March 2014 to 120 ug/L in April 2014, but decreased to 3.1 ug/L in April 2015. The concentration then increased to 30.2 ug/L in September 2015. The September 2015 concentration is above the RGWT concentration of 5 ug/L.

The cis-1,2-dichloroethene (cis-1,2-DCE) concentration in MW-31 increased from 26 ug/L March 2014 to 30 ug/L in April 2014, but decreased to 27 ug/L in April 2015. In September 2015, the concentration increased to 57.8 ug/L. All of these concentrations are below the RGWT concentration of 70 ug/L.

The trichloroethene (TCE) concentration in MW-31 decreased from 9.8 ug/L in March 2014 to 7.2 ug/L in April 2014, but increased to 13 ug/L in April 2015. In September 2015, the concentration again increased to 18.8 ug/L, which is above the RGWT concentration of 5 ug/L.

The vinyl chloride (VC) concentration in MW-31 increased from 7.5 ug/L in March 2014 to 10 ug/L in April 2014, but decreased to BDL in April 2015. In September 2015, the concentration increased to 11.8 ug/L, which is above the RGWT concentration of 2 ug/L.

The VOC concentrations in the sentinel well for the Exterior Paint Dock Area, MW-12, were below detection limits until the September 2015 event when cis-1,2-DCE was detected at 1.1 ug/L. This concentration remains well below the RGWT of 70 ug/L. All other VOCs in MW-12 remain below their respective RGWTs.

MW-30 exhibited only 1,1-DCA concentrations above detection limits in March 2014 and was BDL during the September 2015 event. The remaining VOCs were below detection limits in March 2014 and all VOCs were BDL in April 2015. Concentrations of 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, and ethylbenzene were observed above detection limits in September 2015. Naphthalene was detected in September 2015 at a concentration of 3 ug/L, above its RGWT of 1.7 ug/L. All other VOCs in MW-30 remain below their respective RGWTs.

3.2.3 Former Maintenance Building Area

Analytical results from the April 2015 and September 2015 groundwater monitoring events can be found in Table 3-2c, Groundwater Monitoring Results (VOCs) for the Former Maintenance Building Area. The April and September 2015 analytical results for the source messenger well for the Former Maintenance Building Area (MW-8) indicate reductions in VOC concentrations when compared with the March 2014 data.

The cis-1,2-DCE concentration in MW-8 decreased from 370 ug/L in March 2014 to 97 ug/L in April 2015 and further decreased to 55.5 ug/L in September 2015, which is below the RGWT concentration of 70 ug/L.

The TCE concentration in MW-8 decreased from 170 ug/L in March 2014 to 55 ug/L in April 2015, and further decreased to 23.2 ug/L in September 2015, which is above the RGWT concentration of 5 ug/L.

The VC concentration in MW-8 decreased from 100 ug/L in March 2014 to 5.8 ug/L in April 2015, representing an approximate 94 percent decrease from March 2014. The September 2015 concentration increased to 9.4 ug/L representing an approximately 62 percent increase over April 2015 concentration. However, the difference between March 2013 and September 2015 represents an approximate 91 percent decrease. All concentrations are above the RGWT concentration of 2 ug/L.

The decreases in concentrations of cis-1,2-DCE, TCE, and VC observed in the April and September 2015 data as compared to the March 2014 data may be indicative of natural degradation processes.

Other Messenger Wells in the Former Maintenance Building Area include MW-26 and MW-33. Cis-1,2-DCE in MW-26 increased from 54 ug/L in March 2014 to 58 ug/L in April 2015, and again increased to 80.8 ug/L in September 2015, which is above the RGWT concentration of 70 ug/L.

The VC concentration in MW-26 decreased from 16 ug/L in March 2014 to 6.6 ug/L in April 2015, but then increased to 28.1 ug/L in September 2015. All three concentrations are above the RGWT concentration of 2 ug/L.

The concentration of cis-1,2-DCE in MW-33 decreased from 15 ug/L in March 2014 to 11 ug/L in April 2015, but then increased to 16.7 ug/L in September 2015. All three concentrations are below the RGWT concentration of 70 ug/L.

The TCE concentration in MW-33 decreased from 5.9 ug/L in March 2014 to BDL in April 2015 and remained BDL in September 2015. Based on the most recent analytical results, no contaminants exhibit concentrations exceeding their respective RGWT at MW-33.

The sentinel well, MW-14, for the Former Maintenance Building Area exhibited no VOC concentrations above detection limits in the March 2014, April 2015, and September 2015 sampling events.

3.2.4 Former Incinerator Area

Analytical results from the April 2015 and September 2015 groundwater monitoring events can be found in Table 3-2d, Groundwater Monitoring Results (VOCs) for the Former Incinerator Area. Analytical results for the source messenger well for the Former Incinerator Area (MW-7) indicate increases in contaminant concentrations when compared with the March 2014 data.

The concentration of cis-1,2-DCE in MW-7 increased from 15 ug/L in March 2014 to 220 ug/L in April 2015, and increased again to 1,010 ug/L in September 2015. The April and September 2015 concentrations exceed the RGWT concentration of 70 ug/L.

The TCE concentration in MW-7 increased from 9.6 ug/L in March 2014 to 23 ug/L in April 2015, and then increased to 39.2 ug/L in September 2015. All three concentrations exceed the RGWT concentration of 5 ug/L.

The concentration of VC in MW-7 decreased from 5.8 ug/L in March 2014 to 3.3 ug/L in April 2015, but increased to 38.7 ug/L in September 2015. All three concentrations exceed the RGWT concentration of 2 ug/L.

Analytical results for the other source messenger well for the Former Incinerator Area (MW-21) indicate increases in contaminant concentrations when compared with the March 2014 data.

The concentration of cis-1,2-DCE in MW-21 increased from 21 ug/L in March 2014 to 65 ug/L in April 2015, and then increased to 77.4 ug/L in September 2015. The September 2015 concentration exceeds the RGWT concentration of 70 ug/L.

The VC concentration in MW-21 increased from 2.4 ug/L in March 2014 to 3.1 ug/L in April 2015, and then increased to 4.4 ug/L in September 2015. All three concentrations exceed the RGWT concentration of 2 ug/L.

The concentration of TCE in MW-21 increased from BDL in March 2014 to 2.6 ug/L in April 2015, and remained relatively unchanged at 2.5 ug/L in September 2015. All three concentrations are below the RGWT concentration of 5 ug/L.

Constituent concentrations remain BDL in the sentinel well, MW-20.

3.3 GROUNDWATER ANALYTICAL RESULTS - METALS

As detailed in Section 1.2, groundwater samples from the September 2015 groundwater monitoring event were not analyzed for metals. The focus of the September 2015 groundwater sampling event was VOCs. Metals concentrations will continue to be monitored at future groundwater monitoring events.

Analytical results for metals from the baseline sampling event conducted in April 2015 are presented in Table 3-3, Groundwater Monitoring Results – Total and Dissolved Metals. Historical metals data can be found in Appendix D, Historical Metals Data. Metals are reported for both total and dissolved concentrations. Additionally, analytical results for metals are presented on Figure 3-3, Metals Concentrations in Groundwater.

Analytical results for metals for monitoring wells MW-11, MW-13, MW-16, MW-20, MW-25, and MW-27 are below RGWTs. Monitoring wells MW-10, MW-12, and MW-17 exhibited total and/or dissolved manganese concentrations exceeding the RGWT of 0.430 milligrams per liter (mg/L). Total manganese concentrations exceeding the RGWT ranged from 0.466 mg/L in MW-12 to 0.797 mg/L in MW -17. Only the dissolved manganese concentration in MW-17 exceeded the RGWT.

Many of these monitoring wells were not sampled for metals in March 2014. Therefore, a comparison between the two sets of data is limited. Total manganese concentration data is available for MW-11 and MW-12. The total manganese concentration in MW-11 decreased from 0.440 mg/L in March 2014 to 0.342 mg/L in April 2015. The total manganese concentration in MW-12 was relatively unchanged with 0.470 mg/L in March 2014 and 0.466 mg/L in April 2015.

MW-1, the background monitoring well, exhibited several total metals concentrations above the RGWT including manganese. However, no dissolved metals concentrations exceeded the RGWT.

3.4 GROUNDWATER ANALYTICAL RESULTS – MNA PARAMETERS

Analytical results for MNA parameter concentrations are presented in Table 3-4,

Groundwater Analytical Results – MNA Parameters, and on Figure 3-4, MNA Parameter Concentrations in Groundwater. The presence of cis-1,2-DCE and VC at several wells across the site are indicative of reducing conditions. The presence of reducing conditions is also supported by the MNA parameter data.

The subsurface in the Paint Room Area appears to be strongly reducing as indicated by the presence of ferrous iron, methane, and sulfide. Anaerobic degradation of petroleum compounds such as ethylbenzene and xylenes found in groundwater in the Paint Room Area occurs through methanogenesis. Methane, which is a byproduct of methanogenesis is found in MW-28 and MW-29 indicating the presence of anaerobic degradation in the Paint Room Area. Additionally, the presence of TCE daughter products, cis-1,2-DCE, and VC, in the Former Maintenance Building Area, Exterior Paint Dock Area, and the Former Incinerator Area indicate natural biodegradation of TCE is occurring in the subsurface.

SECTION 4 RECOMMENDATIONS

4.1 QUARTERLY GROUNDWATER MONITORING

Based on the analytical results of the baseline and follow-up monitoring events, Amec Foster Wheeler recommends to continue with the proposed remediation as detailed in the May 2015 Revised RWP with the exception of the Former Incinerator area. Amec Foster Wheeler has submitted a Work Plan under separate cover to implement an exploratory soil boring network in the Former Incinerator Area to investigate the potential source of groundwater impacts at MW-7 and MW-21.

Following completion of remedial activities, eight quarterly sampling events are proposed as part of closure monitoring. Bon L will submit a Remediation Completion Report (RCR) and Record of Site Closure (RSC) to IDEM that will summarize the closure monitoring results and then formally request site closure. The contents of the RCR will generally adhere to the requirements indicated in Section 8.10 of IDEM's Remediation Program Guide.

4.2 GROUNDWATER REMEDIATION

Based on the results of the April and September 2015 groundwater monitoring events, some groundwater at the site exceeds RGWTs with a few concentrations exceeding industrial standards. Therefore, Bon L plans to implement the selected remediation technologies proposed in the May 2015 Revised RWP. These technologies include MNA at the Former Maintenance Building Area and the Exterior Paint Dock Area. Biosparging may be implemented in the Paint Room Area to address VOC impacts but is further discussed in Section 4.3. The appropriate remediation technologies in the Former Incinerator Area will be re-evaluated and selected pending results of the exploratory soil borings. Additionally, an environmental covenant will be implemented at the site to restrict the land use to non-residential and prohibit groundwater use at the site for potable water purposes.

As discussed in the May 2015 Revised RWP, groundwater modeling using the April 2014 groundwater conditions and no remediation demonstrated that groundwater downgradient of the property boundary will not be impacted above RGWTs. Therefore, since the vast majority of the source material has been removed from the Site, MNA is still an appropriate remedy for the site with the potential exceptions of the Paint Room Area and the Former Incinerator area.

4.3 BIOSPARGING IN PAINT ROOM AREA

Biosparging was the selected remedy for the Paint Room Area as outlined in the Revised RWP. Groundwater concentrations observed in this area were higher when compared to the other areas of the Site. Although groundwater modeling indicates

that no offsite groundwater would be impacted above groundwater SLs with existing groundwater concentrations, Bon L proposed to perform biosparging to remove contaminant mass and accelerate the remedial timeframe. However, with the substantial decreases in constituent concentrations observed at MW-28 and MW-29 in the April and September 2015 sampling events and the evidence of anaerobic degradation in the Paint Room Area as discussed in Section 3.4, it is recommended that the remedy for this area be re-evaluated. Bon L plans to collect at least one more round of groundwater samples in March 2016 and re-evaluate if biosparging is the appropriate remedy for the Paint Room Area or if an alternative remedy, such as MNA, would be more appropriate in this area.

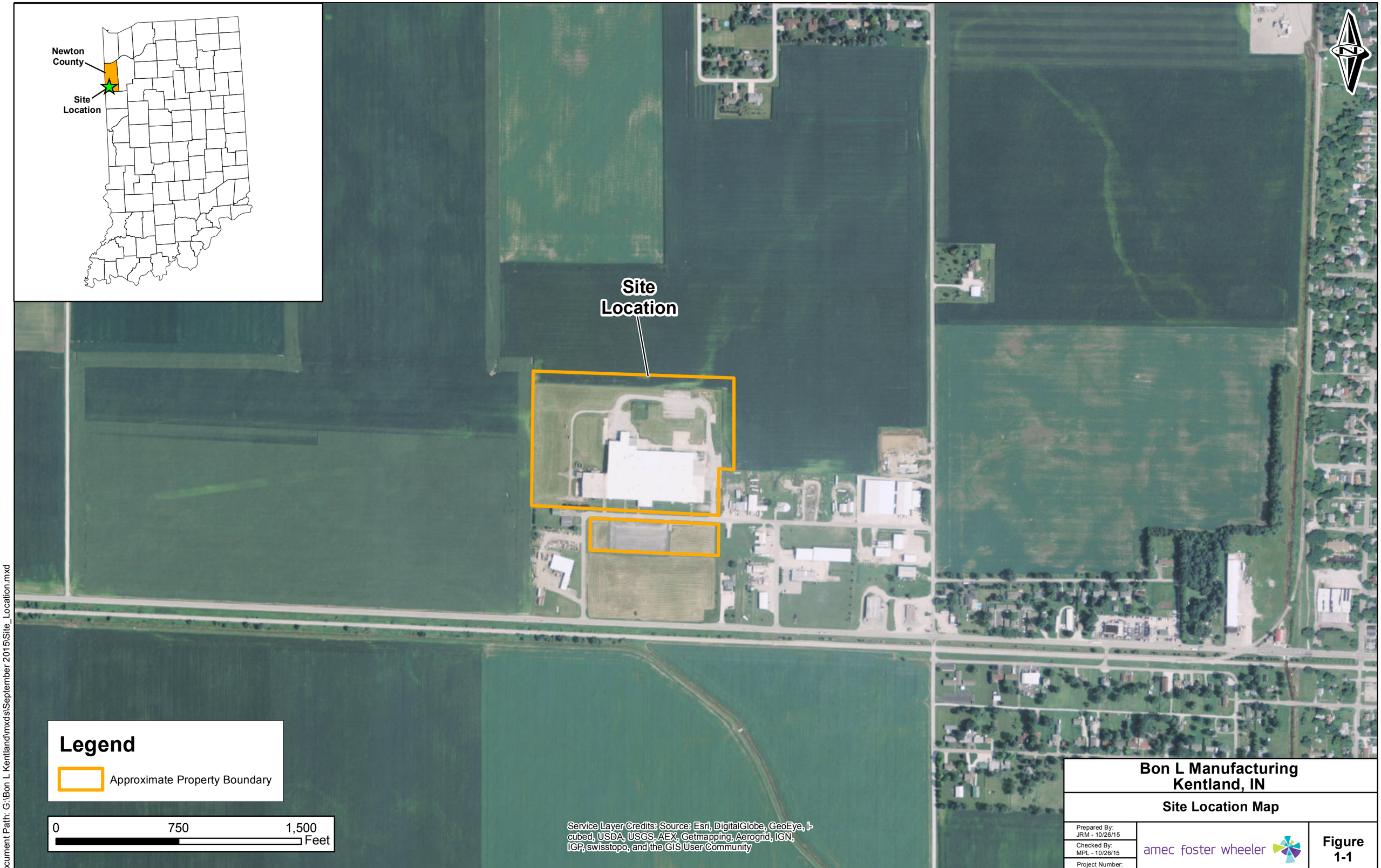
4.4 SOIL INVESTIGATION

In reviewing soil data from the May 2015 Revised RWP (Figure 12, VOCs in Soil Post 2013 Soil Excavation), localized instances of chlorinated VOCs (cis-1,2-DCE and TCE) were found in the vicinity of MW-7 and MW-21. These instances of soil impact were not remediated previously. Due to increasing VOC concentrations and the localized soil impacts that remain in the vicinity of MW-7 and MW-21, additional investigation is planned in this area to evaluate if remedial efforts in this area may be warranted. Details of the planned investigation work plan have been submitted under separate cover as an addendum to the Revised RWP.

4.5 MONITORED NATURAL ATTENUATION PARAMETERS

MNA parameters will continue to be monitored during future groundwater monitoring events. The results obtained during the baseline monitoring event and future MNA parameter data will be used to evaluate the potential for natural attenuation processes. With evidence of stable to decreasing constituent concentrations, MNA will continue throughout the eight-quarter monitoring period for closure.

FIGURES



Bon L Manufacturing
Kentland, IN

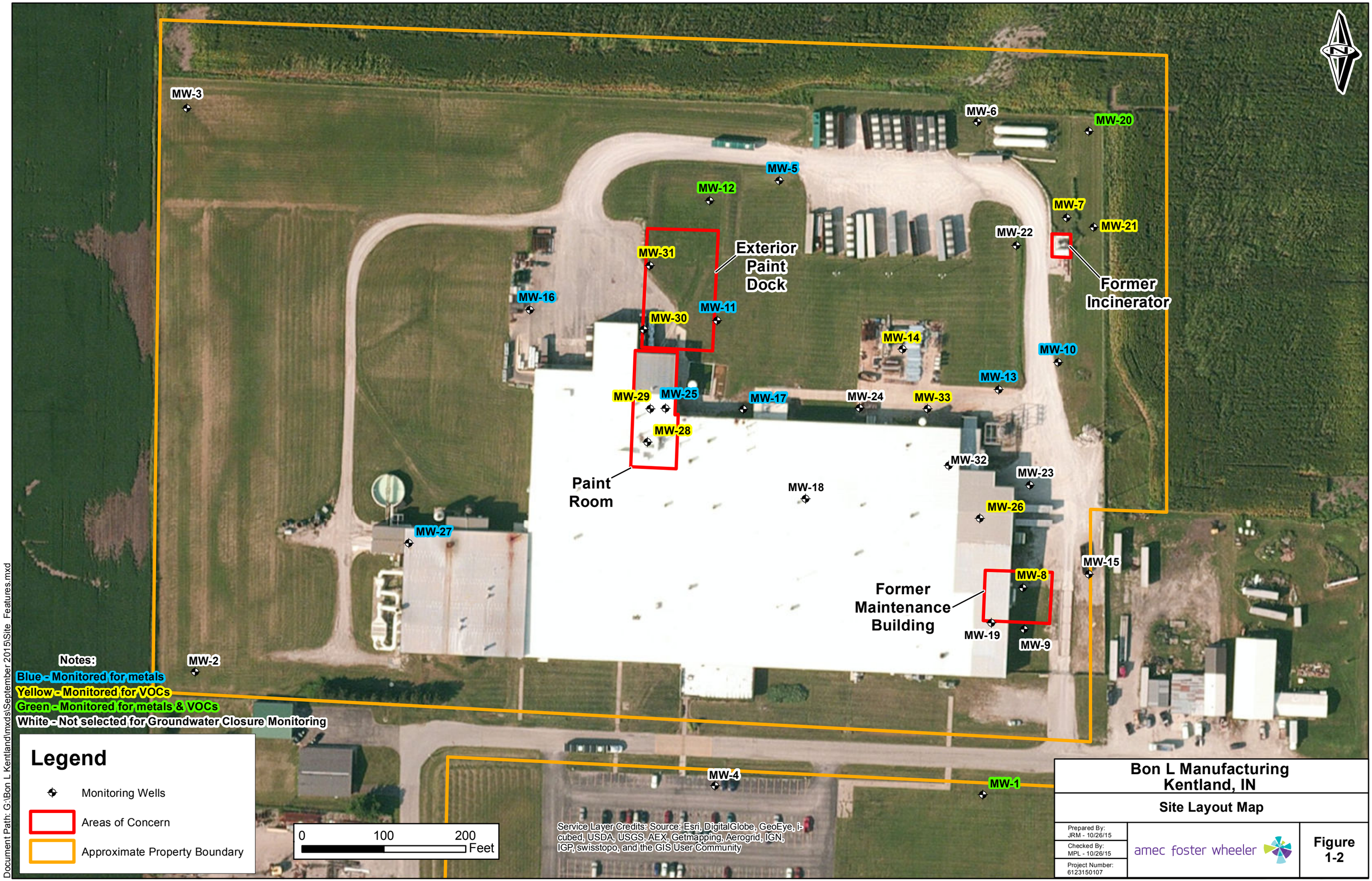
Site Location Map

Prepared By: JRM - 10/26/15
Checked By: MPL - 10/26/15
Project Number: 6123150107

amec foster wheeler

Figure 1-1

Document Path: G:\Bon L Kentland\mxds\September 2015\Site_Location.mxd



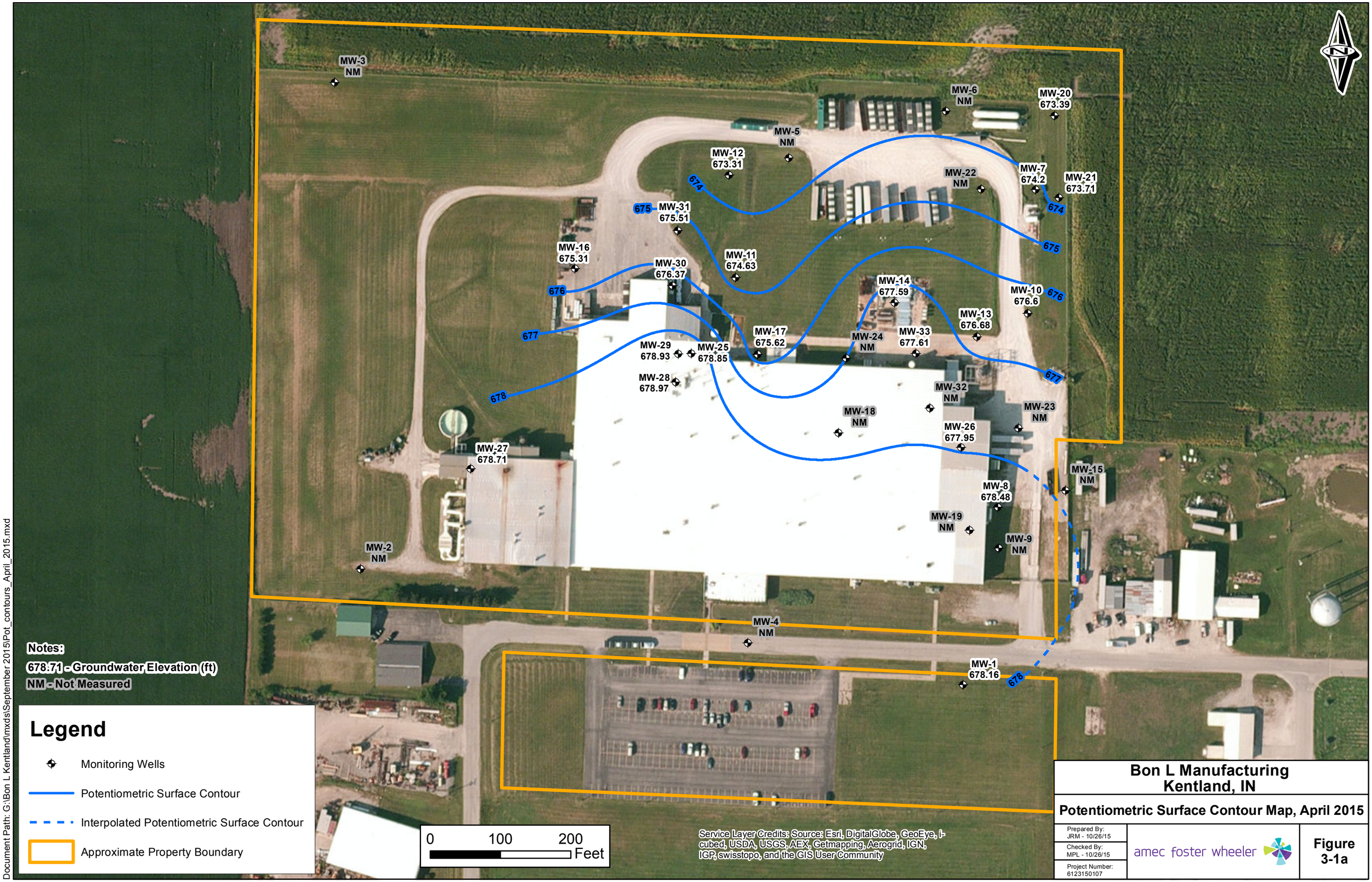
Bon L Manufacturing
Kentland, IN

Site Layout Map

Prepared By: JRM - 10/26/15
Checked By: MPL - 10/26/15
Project Number: 6123150107

amec foster wheeler

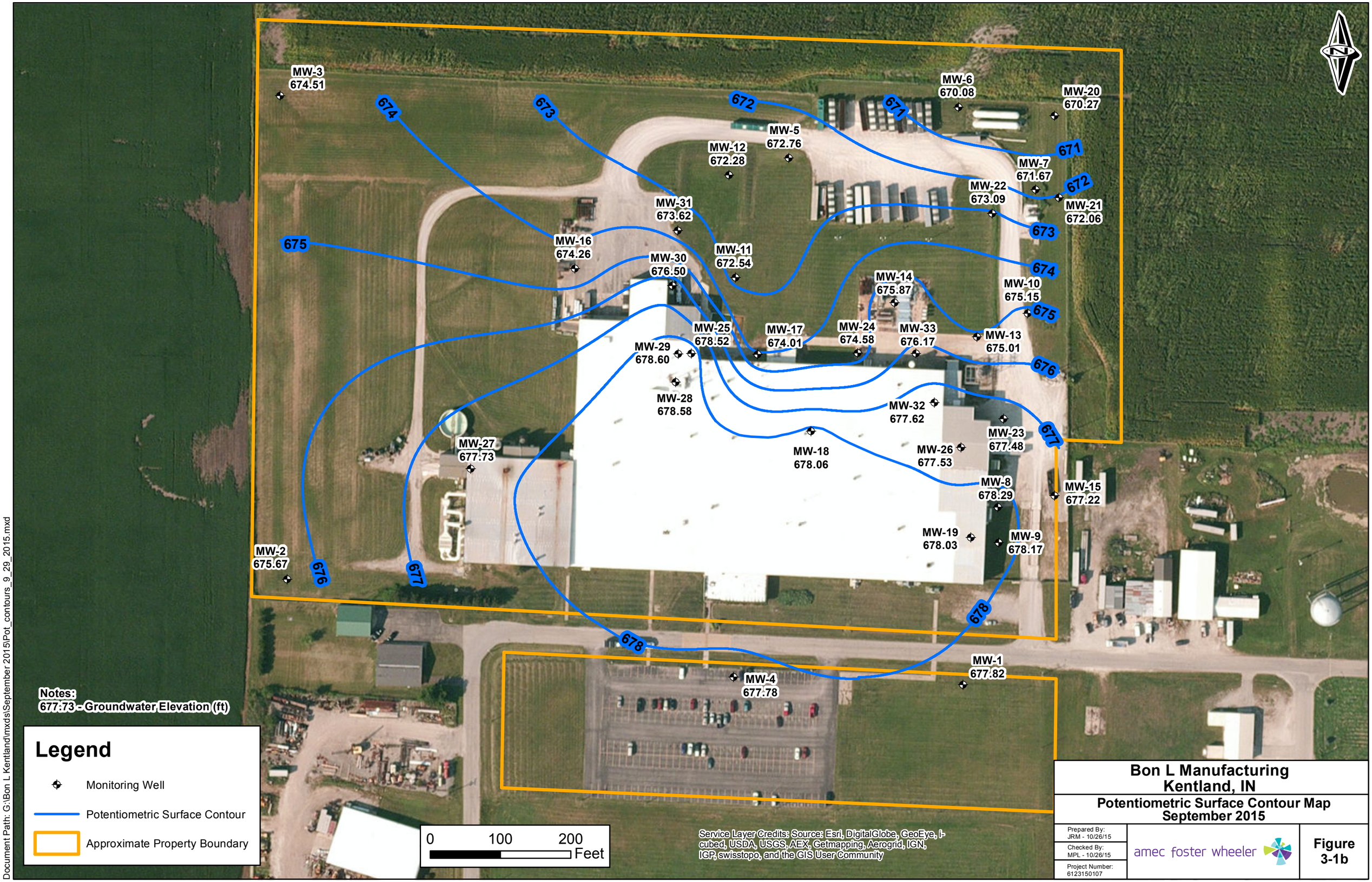
Figure 1-2



Bon L Manufacturing
Kentland, IN

Potentiometric Surface Contour Map, April 2015

Prepared By: JRM - 10/26/15	amec foster wheeler	Figure 3-1a
Checked By: MPL - 10/26/15		
Project Number: 6123150107		



Bon L Manufacturing
Kentland, IN

Potentiometric Surface Contour Map
September 2015

Prepared By: JRM - 10/26/15
Checked By: MPL - 10/26/15
Project Number: 6123150107

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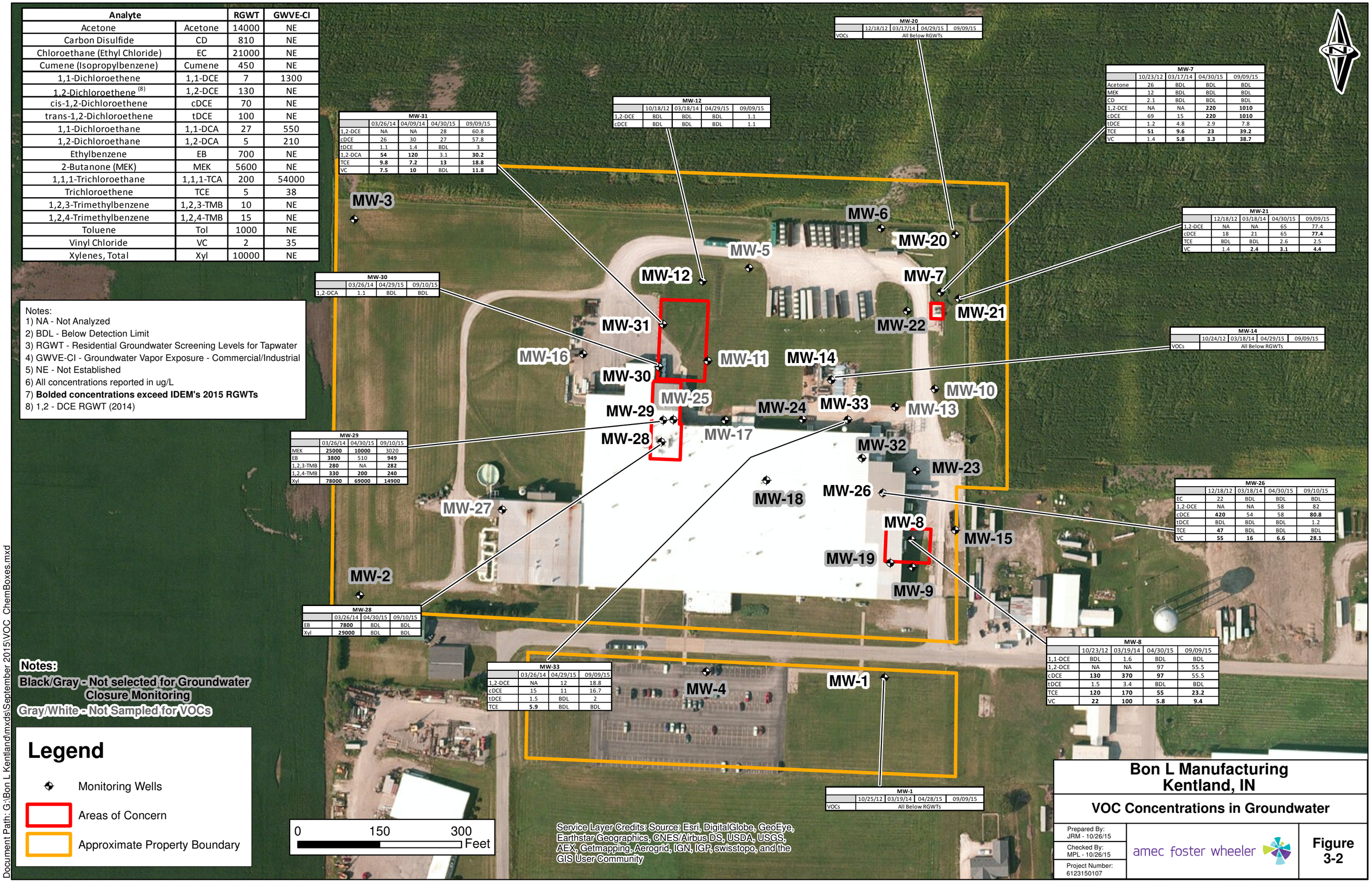
Figure 3-1b

Analyte		RGWT	GWVE-CI
Acetone	Acetone	14000	NE
Carbon Disulfide	CD	810	NE
Chloroethane (Ethyl Chloride)	EC	21000	NE
Cumene (Isopropylbenzene)	Cumene	450	NE
1,1-Dichloroethene	1,1-DCE	7	1300
1,2-Dichloroethene [8]	1,2-DCE	130	NE
cis-1,2-Dichloroethene	cDCE	70	NE
trans-1,2-Dichloroethene	tDCE	100	NE
1,1-Dichloroethane	1,1-DCA	27	550
1,2-Dichloroethane	1,2-DCA	5	210
Ethylbenzene	EB	700	NE
2-Butanone (MEK)	MEK	5600	NE
1,1,1-Trichloroethane	1,1,1-TCA	200	54000
Trichloroethene	TCE	5	38
1,2,3-Trimethylbenzene	1,2,3-TMB	10	NE
1,2,4-Trimethylbenzene	1,2,4-TMB	15	NE
Toluene	Tol	1000	NE
Vinyl Chloride	VC	2	35
Xylenes, Total	Xyl	10000	NE

Notes:
1) NA - Not Analyzed
2) BDL - Below Detection Limit
3) RGWT - Residential Groundwater Screening Levels for Tapwater
4) GWVE-CI - Groundwater Vapor Exposure - Commercial/Industrial
5) NE - Not Established
6) All concentrations reported in ug/L
7) **Bolded concentrations exceed IDEM's 2015 RGWTs**
8) 1,2 - DCE RGWT (2014)



MW-20	12/18/12	03/17/14	04/29/15	09/09/15
VOCs	All Below RGWTs			

MW-7	10/23/12	03/17/14	04/30/15	09/09/15
Acetone	26	BDL	BDL	BDL
MEK	12	BDL	BDL	BDL
CD	2.1	BDL	BDL	BDL
1,2-DCE	NA	NA	**220**	**1010**
cDCE	69	15	**220**	**1010**
tDCE	1.2	4.8	2.9	7.8
TCE	**51**	**9.6**	**23**	**39.2**
VC	1.4	**5.8**	**3.3**	**38.7**

MW-12	10/18/12	03/18/14	04/29/15	09/09/15
1,2-DCE	BDL	BDL	BDL	1.1
cDCE	BDL	BDL	BDL	1.1

MW-31	03/26/14	04/09/14	04/30/15	09/09/15
1,2-DCE	NA	NA	28	60.8
cDCE	26	30	27	57.8
tDCE	1.1	1.4	BDL	3
1,2-DCA	**54**	**120**	3.1	**30.2**
TCE	**9.8**	**7.2**	**13**	**18.8**
VC	**7.5**	**10**	BDL	**11.8**

MW-21	12/18/12	03/18/14	04/30/15	09/09/15
1,2-DCE	NA	NA	65	77.4
cDCE	18	21	65	**77.4**
TCE	BDL	BDL	2.6	2.5
VC	1.4	**2.4**	**3.1**	**4.4**

MW-30	03/26/14	04/29/15	09/10/15
1,2-DCA	1.1	BDL	BDL

MW-14	10/24/12	03/18/14	04/29/15	09/09/15
VOCs	All Below RGWTs			

MW-29	03/26/14	04/30/15	09/10/15
MEK	**25000**	**10000**	3020
EB	**3800**	510	**949**
1,2,3-TMB	**280**	NA	**282**
1,2,4-TMB	**330**	**200**	**240**
Xyl	**78000**	**69000**	**14900**

MW-26	12/18/12	03/18/14	04/30/15	09/10/15
EC	22	BDL	BDL	BDL
1,2-DCE	NA	NA	58	82
cDCE	**420**	54	58	**80.8**
tDCE	BDL	BDL	BDL	1.2
TCE	**47**	BDL	BDL	BDL
VC	**55**	**16**	**6.6**	**28.1**

MW-28	03/26/14	04/30/15	09/10/15
EB	**7800**	BDL	BDL
Xyl	**29000**	BDL	BDL

MW-8	10/23/12	03/19/14	04/30/15	09/09/15
1,1-DCE	BDL	1.6	BDL	BDL
1,2-DCE	NA	NA	97	55.5
cDCE	**130**	**370**	**97**	55.5
tDCE	1.5	3.4	BDL	BDL
TCE	**120**	**170**	**55**	**23.2**
VC	**22**	**100**	**5.8**	**9.4**

MW-33	03/26/14	04/29/15	09/09/15
1,2-DCE	NA	12	18.8
cDCE	15	11	16.7
tDCE	1.5	BDL	2
TCE	**5.9**	BDL	BDL

MW-1	10/25/12	03/19/14	04/28/15	09/09/15
VOCs	All Below RGWTs			

Notes:
Black/Gray - Not selected for Groundwater Closure Monitoring
Gray/White - Not Sampled for VOCs

Legend

- Monitoring Wells
- Areas of Concern
- Approximate Property Boundary

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Bon L Manufacturing
Kentland, IN

VOC Concentrations in Groundwater

Prepared By: JRM - 10/26/15
Checked By: MPL - 10/26/15
Project Number: 6123150107

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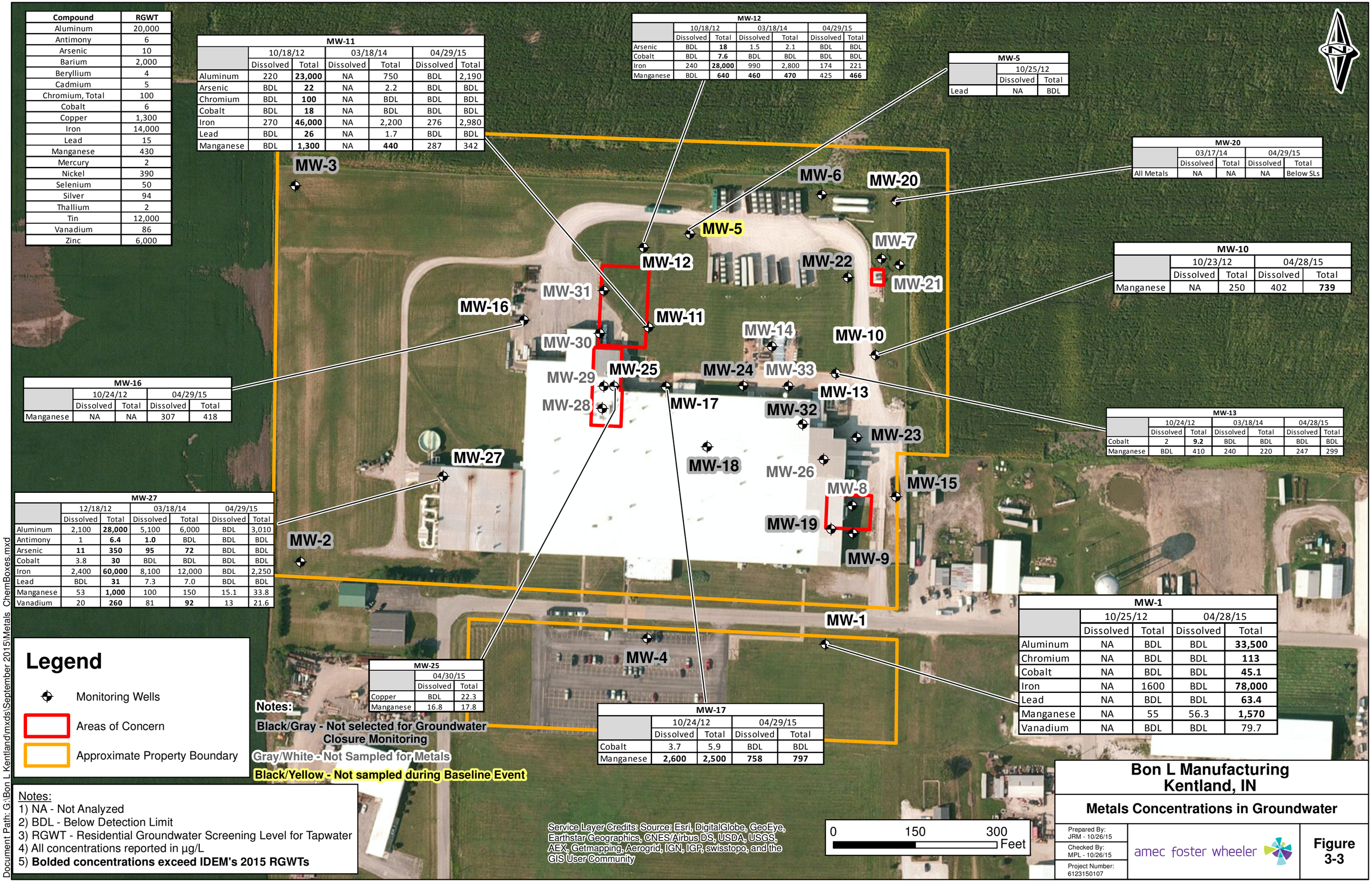
Figure 3-2

Document Path: G:\Bon L Kentland\mxds\September 2015\VOC_ChemBoxes.mxd



Compound	RGWT
Aluminum	20,000
Antimony	6
Arsenic	10
Barium	2,000
Beryllium	4
Cadmium	5
Chromium, Total	100
Cobalt	6
Copper	1,300
Iron	14,000
Lead	15
Manganese	430
Mercury	2
Nickel	390
Selenium	50
Silver	94
Thallium	2
Tin	12,000
Vanadium	86
Zinc	6,000

MW-11

	10/18/12		03/18/14		04/29/15	
	Dissolved	Total	Dissolved	Total	Dissolved	Total
Aluminum	220	**23,000**	NA	750	BDL	2,190
Arsenic	BDL	**22**	NA	2.2	BDL	BDL
Chromium	BDL	**100**	NA	BDL	BDL	BDL
Cobalt	BDL	**18**	NA	BDL	BDL	BDL
Iron	270	**46,000**	NA	2,200	276	2,980
Lead	BDL	**26**	NA	1.7	BDL	BDL
Manganese	BDL	**1,300**	NA	**440**	287	342

MW-12

	10/18/12		03/18/14		04/29/15	
	Dissolved	Total	Dissolved	Total	Dissolved	Total
Arsenic	BDL	**18**	1.5	2.1	BDL	BDL
Cobalt	BDL	**7.6**	BDL	BDL	BDL	BDL
Iron	240	**28,000**	990	2,800	174	221
Manganese	BDL	**640**	**460**	**470**	425	**466**

MW-5

	10/25/12	
	Dissolved	Total
Lead	NA	BDL

MW-20

	03/17/14		04/29/15	
	Dissolved	Total	Dissolved	Total
All Metals	NA	NA	NA	Below SLs

MW-10

	10/23/12		04/28/15	
	Dissolved	Total	Dissolved	Total
Manganese	NA	250	402	**739**

MW-16

	10/24/12		04/29/15	
	Dissolved	Total	Dissolved	Total
Manganese	NA	NA	307	418

MW-13

	10/24/12		03/18/14		04/28/15	
	Dissolved	Total	Dissolved	Total	Dissolved	Total
Cobalt	2	**9.2**	BDL	BDL	BDL	BDL
Manganese	BDL	410	240	220	247	299

MW-27

	12/18/12		03/18/14		04/29/15	
	Dissolved	Total	Dissolved	Total	Dissolved	Total
Aluminum	2,100	**28,000**	5,100	6,000	BDL	3,010
Antimony	1	**6.4**	**1.0**	BDL	BDL	BDL
Arsenic	**11**	**350**	**95**	**72**	BDL	BDL
Cobalt	3.8	**30**	BDL	BDL	BDL	BDL
Iron	2,400	**60,000**	8,100	12,000	BDL	2,250
Lead	BDL	**31**	7.3	7.0	BDL	BDL
Manganese	53	**1,000**	100	150	15.1	33.8
Vanadium	20	**260**	81	**92**	13	21.6

MW-1

	10/25/12		04/28/15	
	Dissolved	Total	Dissolved	Total
Aluminum	NA	BDL	BDL	**33,500**
Chromium	NA	BDL	BDL	**113**
Cobalt	NA	BDL	BDL	**45.1**
Iron	NA	1600	BDL	**78,000**
Lead	NA	BDL	BDL	**63.4**
Manganese	NA	55	56.3	**1,570**
Vanadium	NA	BDL	BDL	79.7

MW-25

	04/30/15	
	Dissolved	Total
Copper	BDL	22.3
Manganese	16.8	17.8

MW-17

	10/24/12		04/29/15	
	Dissolved	Total	Dissolved	Total
Cobalt	3.7	5.9	BDL	BDL
Manganese	**2,600**	**2,500**	**758**	**797**

Notes:
1) NA - Not Analyzed
2) BDL - Below Detection Limit
3) RGWT - Residential Groundwater Screening Level for Tapwater
4) All concentrations reported in µg/L
5) **Bolded concentrations exceed IDEM's 2015 RGWTs**

Bon L Manufacturing
Kentland, IN

Metals Concentrations in Groundwater

Prepared By: JRM - 10/26/15
Checked By: MPL - 10/26/15
Project Number: 6123150107

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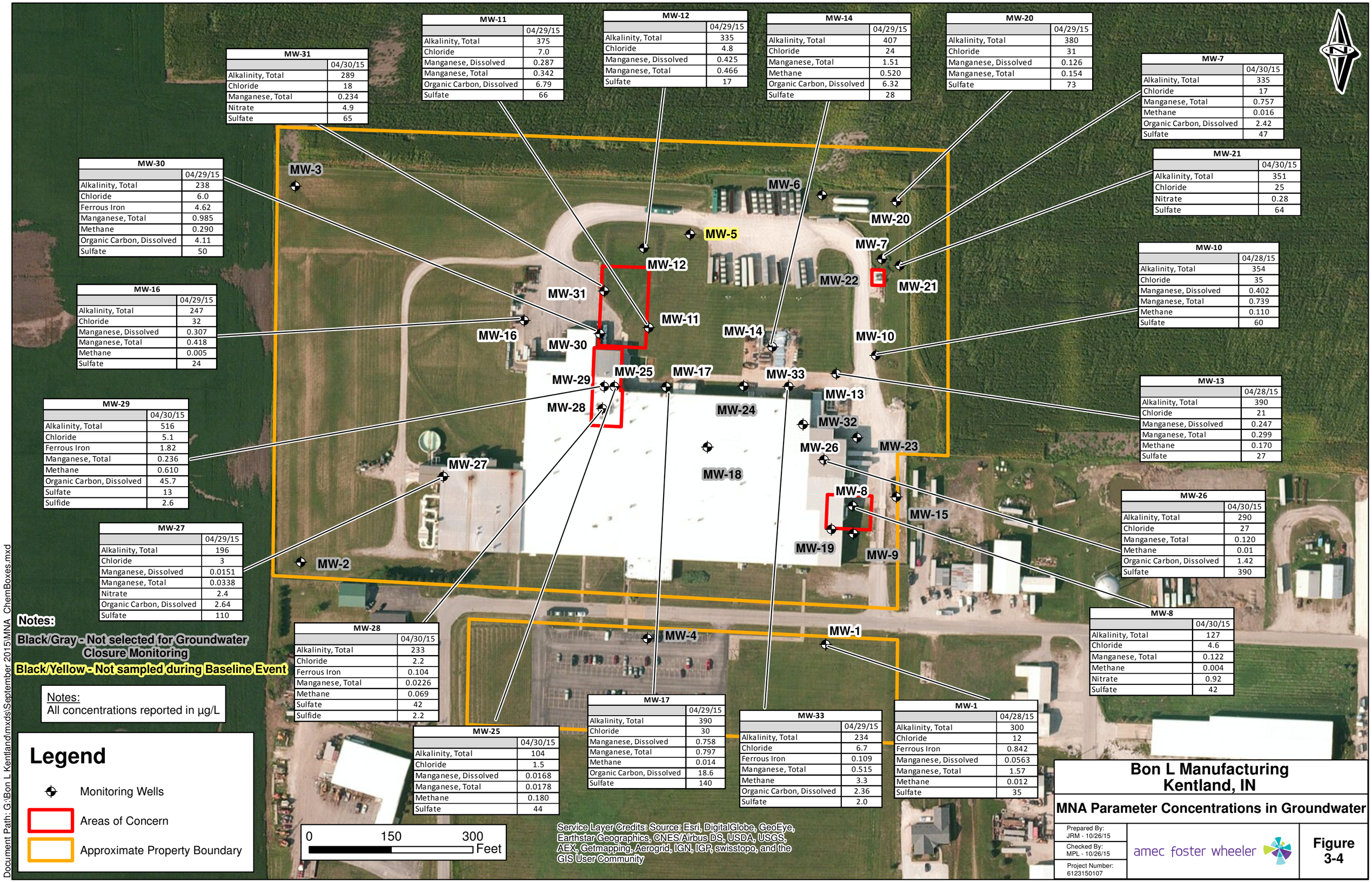
Figure 3-3

Document Path: G:\Bon L Kentland\mxds\September 2015\Metals_ChemBoxes.mxd



MW-31	
	04/30/15
Alkalinity, Total	289
Chloride	18
Manganese, Total	0.234
Nitrate	4.9
Sulfate	65

MW-11	
	04/29/15
Alkalinity, Total	375
Chloride	7.0
Manganese, Dissolved	0.287
Manganese, Total	0.342
Organic Carbon, Dissolved	6.79
Sulfate	66

MW-12	
	04/29/15
Alkalinity, Total	335
Chloride	4.8
Manganese, Dissolved	0.425
Manganese, Total	0.466
Sulfate	17

MW-14	
	04/29/15
Alkalinity, Total	407
Chloride	24
Manganese, Total	1.51
Methane	0.520
Organic Carbon, Dissolved	6.32
Sulfate	28

MW-20	
	04/29/15
Alkalinity, Total	380
Chloride	31
Manganese, Dissolved	0.126
Manganese, Total	0.154
Sulfate	73

MW-7	
	04/30/15
Alkalinity, Total	335
Chloride	17
Manganese, Total	0.757
Methane	0.016
Organic Carbon, Dissolved	2.42
Sulfate	47

MW-21	
	04/30/15
Alkalinity, Total	351
Chloride	25
Nitrate	0.28
Sulfate	64

MW-30	
	04/29/15
Alkalinity, Total	238
Chloride	6.0
Ferrous Iron	4.62
Manganese, Total	0.985
Methane	0.290
Organic Carbon, Dissolved	4.11
Sulfate	50

MW-10	
	04/28/15
Alkalinity, Total	354
Chloride	35
Manganese, Dissolved	0.402
Manganese, Total	0.739
Methane	0.110
Sulfate	60

MW-16	
	04/29/15
Alkalinity, Total	247
Chloride	32
Manganese, Dissolved	0.307
Manganese, Total	0.418
Methane	0.005
Sulfate	24

MW-13	
	04/28/15
Alkalinity, Total	390
Chloride	21
Manganese, Dissolved	0.247
Manganese, Total	0.299
Methane	0.170
Sulfate	27

MW-29	
	04/30/15
Alkalinity, Total	516
Chloride	5.1
Ferrous Iron	1.82
Manganese, Total	0.236
Methane	0.610
Organic Carbon, Dissolved	45.7
Sulfate	13
Sulfide	2.6

MW-26	
	04/30/15
Alkalinity, Total	290
Chloride	27
Manganese, Total	0.120
Methane	0.01
Organic Carbon, Dissolved	1.42
Sulfate	390

MW-27	
	04/29/15
Alkalinity, Total	196
Chloride	3
Manganese, Dissolved	0.0151
Manganese, Total	0.0338
Nitrate	2.4
Organic Carbon, Dissolved	2.64
Sulfate	110

MW-8	
	04/30/15
Alkalinity, Total	127
Chloride	4.6
Manganese, Total	0.122
Methane	0.004
Nitrate	0.92
Sulfate	42

MW-28	
	04/30/15
Alkalinity, Total	233
Chloride	2.2
Ferrous Iron	0.104
Manganese, Total	0.0226
Methane	0.069
Sulfate	42
Sulfide	2.2

MW-17	
	04/29/15
Alkalinity, Total	390
Chloride	30
Manganese, Dissolved	0.758
Manganese, Total	0.797
Methane	0.014
Organic Carbon, Dissolved	18.6
Sulfate	140

MW-33	
	04/29/15
Alkalinity, Total	234
Chloride	6.7
Ferrous Iron	0.109
Manganese, Total	0.515
Methane	3.3
Organic Carbon, Dissolved	2.36
Sulfate	2.0

MW-1	
	04/28/15
Alkalinity, Total	300
Chloride	12
Ferrous Iron	0.842
Manganese, Dissolved	0.0563
Manganese, Total	1.57
Methane	0.012
Sulfate	35

MW-25	
	04/30/15
Alkalinity, Total	104
Chloride	1.5
Manganese, Dissolved	0.0168
Manganese, Total	0.0178
Methane	0.180
Sulfate	44

Notes:

Black/Gray - Not selected for Groundwater Closure Monitoring

Black/Yellow - Not sampled during Baseline Event

Notes:
All concentrations reported in µg/L

Legend

- Monitoring Wells
- Areas of Concern
- Approximate Property Boundary

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Bon L Manufacturing
Kentland, IN

MNA Parameter Concentrations in Groundwater

Prepared By: JRM - 10/26/15
Checked By: MPL - 10/26/15
Project Number: 6123150107

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Figure 3-4

TABLES

Table 2-1: Monitoring Well Network
Bon L Manufacturing Company, Kentland, Indiana

Well ID	AOC	Well Type	VOCs	Metals
MW-1		Background	X	X
MW-5				X
MW-7	Former Incinerator	Source Messenger	X	
MW-8	Former Maintenance Building	Source Messenger	X	
MW-10				X
MW-11				X
MW-12	Paint Dock	Sentinel	X	X
MW-13				X
MW-14	Former Maintenance Building	Sentinel	X	
MW-16				X
MW-17				X
MW-20	Former Incinerator	Sentinel	X	X
MW-21	Former Incinerator	Other Messenger	X	
MW-25				X
MW-26	Former Maintenance Building	Other Messenger	X	
MW-27				X
MW-28	Paint Room	Source Messenger	X	
MW-29	Paint Room	Source Messenger	X	
MW-30	Paint Room	Sentinel	X	
MW-31	Paint Dock	Source Messenger	X	
MW-33	Former Maintenance Building	Other Messenger	X	

Notes:
1) AOC: Area of Concern
2) VOC: Volatile Organic Compounds

Prepared by: TBD 12/14/15
Checked by: ASN 12/14/15

TABLE 3-1a: GROUNDWATER ELEVATIONS, APRIL 2015
Bon L Manufacturing Company, Kentland, Indiana

WELL ID	WELL DIAMETER (INCHES)	SCREEN INTERVAL (FEET BGS)	NORTHING (NAD 83)	EASTING (NAD 83)	ELEVATION (FEET ABOVE MSL)	DEPTH TO WATER (FEET BELOW TOC)	ELEVATION (FEET ABOVE MSL)
MW-1	1	6-16	2011540.266	2847420.212	681.45	3.29	678.16
MW-5	1	4-14	2012290.097	2847172.056	674.19	NM	NM
MW-7	1	6-16	2012245.235	2847523.101	675.71	1.51	674.20
MW-8	1	4-14	2011793.110	2847469.471	679.10	0.62	678.48
MW-10	1	4-14	2012068.489	2847512.228	678.10	1.50	676.60
MW-11	1	5-15	2012119.719	2847096.169	679.48	4.85	674.63
MW-12	1	4-14	2012265.732	2847087.037	675.39	2.08	673.31
MW-13	1	4-14	2012035.330	2847439.720	678.08	1.40	676.68
MW-14	1	6-16	2012084.530	2847322.578	681.48	3.89	677.59
MW-16	1	4-14	2012132.402	2846867.652	678.19	2.88	675.31
MW-17	1	5-15	2012011.055	2847127.890	682.55	6.93	675.62
MW-20	1	6-16	2012350.519	2847549.904	674.12	0.73	673.39
MW-21	1	5-15	2012233.403	2847556.148	674.69	0.98	673.71
MW-25	1	5.5-15.5	2012012.098	2847032.964	682.52	3.67	678.85
MW-26	1	6-16	2011877.819	2847417.167	682.50	4.55	677.95
MW-27	1	6-16	2011847.365	2846719.434	682.77	4.06	678.71
MW-28	1	4-14	2011971.190	2847011.097	682.54	3.57	678.97
MW-29	1	4-14	2012011.497	2847014.272	682.58	3.65	678.93
MW-30	1	3-13	2012108.460	2847006.586	678.67	2.30	676.37
MW-31	1	3-13	2012186.743	2847014.105	678.21	2.70	675.51
MW-33	1	6-16	2012011.818	2847352.784	682.00	4.39	677.61

Notes:
1) Groundwater measurements collected on April 27, 2015.
2) MW-5 was under water. No water level data was collected.
3) BGS - Below Ground Surface
4) MSL - Mean Sea Level
5) TOC - Top of Casing

Prepared by/Date: MPL 06/02/15
Checked by/Date: ADB 06/09/15

TABLE 3-1b: GROUNDWATER ELEVATIONS, SEPTEMBER 2015
Bon L Manufacturing Company, Kentland, Indiana

WELL ID	WELL DIAMETER (INCHES)	SCREEN INTERVAL (FEET BGS)	NORTHING (NAD 83)	EASTING (NAD 83)	ELEVATION (FEET ABOVE MSL)	DEPTH TO WATER (FEET BELOW TOC)	ELEVATION (FEET ABOVE MSL)
MW-1	1	6 - 16	2011540.266	2847420.212	681.45	3.63	677.82
MW-2	1	4 - 14	2011690.293	2846458.222	678.04	2.37	675.67
MW-3	1	6 - 16	2012378.643	2846448.257	677.04	2.53	674.51
MW-4	1	6 - 16	2011551.264	2847093.555	681.98	4.20	677.78
MW-5	1	4 - 14	2012290.097	2847172.056	674.19	1.43	672.76
MW-6	1	4 - 14	2012362.326	2847413.728	673.93	3.85	670.08
MW-7	1	6 - 16	2012245.235	2847523.101	675.71	4.04	671.67
MW-8	1	4 - 14	2011793.110	2847469.471	679.10	0.81	678.29
MW-9	1	5 - 15	2011742.286	2847470.890	681.30	3.13	678.17
MW-10	1	4 - 14	2012068.489	2847512.228	678.10	2.95	675.15
MW-11	1	5 - 15	2012119.719	2847096.169	679.48	6.94	672.54
MW-12	1	4 - 14	2012265.732	2847087.037	675.39	3.11	672.28
MW-13	1	4 - 14	2012035.330	2847439.720	678.08	3.07	675.01
MW-14	1	6 - 16	2012084.530	2847322.578	681.48	5.61	675.87
MW-15	1	4 - 14	2011809.699	2847549.765	678.66	1.44	677.22
MW-16	1	4 - 14	2012132.402	2846867.652	678.19	3.93	674.26
MW-17	1	5 - 15	2012011.055	2847127.890	682.55	8.54	674.01
MW-18	1	6 - 16	2011901.361	2847203.766	682.64	4.58	678.06
MW-19	1	6 - 16	2011750.008	2847430.784	682.60	4.57	678.03
MW-20	1	6 - 16	2012350.519	2847549.904	674.12	3.85	670.27
MW-21	1	5 - 15	2012233.403	2847556.148	674.69	2.63	672.06
MW-22	1	6 - 16	2012211.117	2847461.538	676.382	3.29	673.092
MW-23	1	5.5 - 15.5	2011918.475	2847477.88	677.934	0.45	677.484
MW-24	1	6 - 16	2012012.616	2847269.835	681.893	7.31	674.583
MW-25	1	5.5 - 15.5	2012012.098	2847032.964	682.523	4	678.523
MW-26	1	6 - 16	2011877.819	2847417.167	682.498	4.97	677.528
MW-27	1	6 - 16	2011847.365	2846719.434	682.773	5.04	677.733
MW-28	1	4 - 14	2011971.19	2847011.097	682.54	3.96	678.58
MW-29	1	4 - 14	2012011.497	2847014.272	682.58	3.98	678.6
MW-30	1	3 - 13	2012108.46	2847006.586	678.67	2.17	676.5
MW-31	1	3 - 13	2012186.743	2847014.105	678.21	4.59	673.62
MW-32	1	6 - 16	2011942.038	2847378.845	682.498	4.88	677.618
MW-33	1	6 - 16	2012011.818	2847352.784	682	5.83	676.17

Notes:
1) Groundwater measurements collected on September 8, 2015.
2) BGS - Below Ground Surface
3) MSL - Mean Sea Level
4) TOC - Top of Casing

Prepared by/Date: ASN 10/08/15
Checked by/Date: ADB 10/09/15

TABLE 3-2a: GROUNDWATER MONITORING RESULTS (VOCs), April and September 2015
PAINT ROOM TREATMENT AREA
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-01		MW-28		MW-29		MW-30	
	RGWT	04/28/15	09/09/15	04/30/15	09/10/15	04/30/15	09/10/15	04/29/15	09/10/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	BDL	NA	BDL	NA	**282**	NA	2.7
1,2,4-Trimethylbenzene	15	BDL	BDL	BDL	BDL	**200**	**240**	BDL	2.6
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromi	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	BDL	BDL	BDL	BDL	BDL	6.9	BDL	BDL
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL	**10000**	3020	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL	BDL	7.9	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobrom	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon disulfide	810	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	BDL	BDL	BDL	BDL	BDL	6.9	BDL	BDL
Cyclohexane	13000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL	510	**949**	BDL	5.2
Freon-113	55000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL	BDL	13.2	BDL	BDL
Methyl acetate	20000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	BDL	BDL	BDL	BDL	29.9	BDL	BDL
n-Propylbenzene	660	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL	BDL	**155**	BDL	**3**
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL	BDL	1.7	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL	BDL	19.9	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene (TCE)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes, Total	10000	BDL	BDL	BDL	BDL	**69000**	**14900**	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (µg/L)
2) BDL - Below Detection Limits (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater (µg/L)
5) VOCs - Volatile Organic Compounds
6) Bold values indicate exceedance of RGWT
7) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/03/15
Checked by/Date: ASN 12/14/15

TABLE 3-2b: GROUNDWATER MONITORING RESULTS (VOCs), April and September 2015
EXTERIOR PAINT DOCK AREA
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-01		MW-12		MW-31	
	RGWT	04/28/15	09/09/15	04/29/15	09/09/15	04/30/15	09/09/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	BDL	NA	BDL	NA	BDL
1,2,4-Trimethylbenzene	15	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromi	0.05	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL	3.1	**30.2**
1,2-Dichloroethene (Total)	130	BDL	BDL	BDL	1.1	28	60.8
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobrom	80	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL	BDL	BDL
Carbon disulfide	810	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	BDL	BDL	BDL	1.1	27	57.8
Cyclohexane	13000	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL	BDL	BDL
Methyl acetate	20000	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	660	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	BDL	BDL	BDL	3
Trichloroethene (TCE)	5	BDL	BDL	BDL	BDL	**13**	**18.8**
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	BDL	BDL	BDL	**11.8**
Xylenes, Total	10000	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (µg/L)
2) BDL - Below Detection Limits (Reporting
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater (µg/L)
5) VOCs - Volatile Organic Compounds
6) Bold values indicate exceedance of RGWT
7) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/03/15
Checked by/Date: ASN 12/14/15

TABLE 3-2c: GROUNDWATER MONITORING RESULTS (VOCs), April and September 2015
FORMER MAINTENANCE BUILDING AREA
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-01		MW-08		MW-14		MW-26		MW-33	
	RGWT	04/28/15	09/09/15	04/30/15	09/09/15	04/29/15	09/09/15	04/30/15	09/10/15	04/29/15	09/09/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	BDL	NA	BDL	NA	BDL	NA	BDL	NA	BDL
1,2,4-Trimethylbenzene	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromi	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	BDL	BDL	97	55.5	BDL	BDL	58	82	12	18.8
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobrom	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon disulfide	810	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	BDL	BDL	**97**	55.5	BDL	BDL	58	**80.8**	11	16.7
Cyclohexane	13000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl acetate	20000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	660	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	BDL	2
Trichloroethene (TCE)	5	BDL	BDL	**55**	**23.2**	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	**5.8**	**9.4**	BDL	BDL	**6.6**	**28.1**	BDL	BDL
Xylenes, Total	10000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (µg/L)
2) BDL - Below Detection Limits (Reporting
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening
Level for Tapwater (µg/L)
5) VOCs - Volatile Organic Compounds
6) Bold values indicate exceedance of
7) RGWT values from IDEM Remediation
Closure Guide Appendix A: Screening Levels,
Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/03/15
Checked by/Date: ASN 12/14/15

TABLE 3-2d: GROUNDWATER MONITORING RESULTS (VOCs), April and September 2015
FORMER INCINERATOR AREA
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-01		MW-07		MW-20		MW-21		
	RGWT	04/28/15	09/09/15	04/30/15	09/09/15	04/29/15	09/09/15	04/30/15	09/09/15	09/09/15*
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	2.6	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	BDL	NA	BDL	NA	BDL	NA	BDL	BDL
1,2,4-Trimethylbenzene	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	BDL	BDL	**220**	**1010**	BDL	BDL	65	77.4	76.2
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromomethane)	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon disulfide	810	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	BDL	BDL	**220**	**1010**	BDL	BDL	65	**77.4**	**76.2**
Cyclohexane	13000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl acetate	20000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	660	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	2.9	7.8	BDL	BDL	BDL	BDL	BDL
Trichloroethene (TCE)	5	BDL	BDL	**23**	**39.2**	BDL	BDL	2.6	2.5	2.3
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	**3.3**	**38.7**	BDL	BDL	**3.1**	**4.4**	**4.7**
Xylenes, Total	10000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (µg/L)
2) BDL - Below Detection Limits (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater (µg/L)
5) VOCs - Volatile Organic Compounds

6) Bold values indicate exceedance of RGWT

7) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
8) * - duplicate sample results

Prepared by/Date: SAG 12/03/15
Checked by/Date: ASN 12/14/15

TABLE 3-3: GROUNDWATER MONITORING RESULTS (Metals), April 2015
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	**DATE**	**RGWT**	20	0.006	0.01	2	0.004	0.01	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.05	0.09	0	12	0.086	6
MW-01	**4/28/2015**	**Total**	**33.5**	BDL	BDL	0.286	BDL	BDL	**0.113**	**0.045**	0.102	**78.0**	**0.06**	**1.57**	BDL	0.0875	BDL	BDL	BDL	BDL	0.0797	0.287
		Dissolved	BDL	BDL	BDL	0.078	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.056	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-10	**4/28/2015**	**Total**	BDL	BDL	BDL	0.08	BDL	BDL	BDL	BDL	BDL	0.516	BDL	**0.739**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	0.079	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.402	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-11	**4/29/2015**	**Total**	2.19	BDL	BDL	0.083	BDL	BDL	BDL	BDL	BDL	2.98	BDL	0.342	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	0.074	BDL	BDL	BDL	BDL	BDL	0.276	BDL	0.287	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-12	**4/29/2015**	**Total**	BDL	BDL	BDL	0.108	BDL	BDL	BDL	BDL	BDL	0.221	BDL	**0.466**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	0.105	BDL	BDL	BDL	BDL	BDL	0.174	BDL	0.425	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-13	**4/28/2015**	**Total**	0.295	BDL	BDL	0.041	BDL	BDL	BDL	BDL	BDL	3.20	BDL	0.299	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	0.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.247	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-16	**4/29/2015**	**Total**	5.38	BDL	BDL	0.084	BDL	BDL	BDL	BDL	BDL	4.62	BDL	0.418	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
		Dissolved	BDL	BDL	BDL	0.104	BDL	BDL	BDL	BDL	BDL	0.197	BDL	0.307	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-17	**4/29/2015**	**Total**	0.275	BDL	BDL	0.127	BDL	BDL	BDL	BDL	BDL	0.378	BDL	**0.797**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.024
		Dissolved	BDL	BDL	BDL	0.128	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**0.758**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-20	**4/29/2015**	**Total**	2.89	BDL	BDL	0.1	BDL	BDL	BDL	BDL	BDL	2.79	BDL	0.154	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	0.103	BDL	BDL	BDL	BDL	BDL	0.207	BDL	0.126	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-25	**4/30/2015**	**Total**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.022	BDL	BDL	0.018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
MW-27	**4/29/2015**	**Total**	3.01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.25	BDL	0.034	BDL	BDL	BDL	BDL	BDL	BDL	0.0216	BDL
		Dissolved	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015	BDL	BDL	BDL	BDL	BDL	BDL	0.0130	BDL
		Total*	3.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.15	BDL	0.035	BDL	BDL	BDL	BDL	BDL	BDL	0.0232	BDL
		Dissolved*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015	BDL	BDL	BDL	BDL	BDL	BDL	0.0130	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) * - duplicate sample results
6) "J" is an estimated value
7) BDL - Below Detection Limit (Reporting Limit)

Prepared by/Date: ASN 12/09/15
Checked by/Date: SAG 12/14/15

TABLE 3-4: GROUNDWATER MONITORING RESULTS (MNA Parameters), April 2015
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT		Alkalinity, Total (as CaCO3)	Chloride	Dissolved Organic Carbon	Ethane	Ethene	Ferrous Iron	Methane	Manganese		Nitrate	Sulfide	Sulfate
									Total	Dissolved			
WELL ID	UNITS	mg/L	mg/L	mg/L	µg/l	µg/l	mg/L	µg/l	mg/L	mg/L	mg/L	mg/L	mg/L
MW-01	4/28/2015	300	12	BDL	BDL	BDL	0.842	12	1.57	0.0563	BDL	BDL	35
MW-07	4/30/2015	335	17	2.42	BDL	BDL	BDL	16	0.757	NA	BDL	BDL	47
MW-08	4/30/2015	127	4.6	BDL	BDL	BDL	BDL	4.0	0.122	NA	0.92	BDL	42
MW-10	4/28/2015	354	35	BDL	BDL	BDL	BDL	110	0.739	0.402	BDL	BDL	60
MW-11	4/29/2015	375	7.0	6.79	BDL	BDL	BDL	BDL	0.342	0.287	BDL	BDL	66
MW-12	4/29/2015	335	4.8	BDL	BDL	BDL	BDL	BDL	0.466	0.425	BDL	BDL	17
MW-13	4/28/2015	390	21	BDL	BDL	BDL	BDL	170	0.299	0.247	BDL	BDL	27
MW-14	4/29/2015	407	24	6.32	BDL	BDL	BDL	520	1.51	NA	BDL	BDL	28
MW-16	4/29/2015	247	32	BDL	BDL	BDL	BDL	5.0	0.418	0.307	BDL	BDL	24
MW-17	4/29/2015	390	30	18.6	BDL	BDL	BDL	14	0.797	0.758	BDL	BDL	140
MW-20	4/29/2015	380	31	BDL	BDL	BDL	BDL	BDL	0.154	0.126	BDL	BDL	73
MW-21	4/30/2015	351	25	BDL	BDL	BDL	BDL	BDL	BDL	NA	0.28	BDL	64
MW-25	4/30/2015	104	1.5	BDL	BDL	BDL	BDL	180	0.0178	0.0168	BDL	BDL	44
MW-26	4/30/2015	290	27	1.42	BDL	BDL	BDL	10	0.120	NA	BDL	BDL	390
MW-27	4/29/2015	196	3.0	2.64	BDL	BDL	BDL	BDL	0.0338	0.0151	2.4	BDL	110
MW-28	4/30/2015	233	2.2	BDL	BDL	BDL	0.104	69	0.0226	NA	BDL	2.20	42
MW-29	4/30/2015	516	5.1	45.7	BDL	BDL	1.82	610	0.236	NA	BDL	2.60	13
MW-30	4/29/2015	238	6.0	4.11	BDL	BDL	4.62	290	0.985	NA	BDL	BDL	50
MW-31	4/30/2015	289	18	BDL	BDL	BDL	BDL	BDL	0.234	NA	4.9	BDL	65
MW-33	4/29/2015	234	6.7	2.36	BDL	BDL	0.109	3300	0.515	NA	BDL	BDL	2.0

Notes:
1) BDL - Below Detection Limit (Reporting Limit)
2) mg/L - milligrams per liter
3) µg/L - micrograms per liter
4) MNA - Monitored Natural Attenuation
5) NA - Not Analyzed
6) * duplicate sample results
7) "J" is an estimated value

Prepared by/Date: ASN 08/06/15
Checked by/Date: SAG 12/14/15

APPENDIX A

Field Sampling Records
April and September 2015

April 2015

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: BONL	**Well I.D.** mw-11 **Flush Mount** **Stickup**
Date: 4-29-15	**Sampled by:** tsm / saf
Time: 1417	**Recorded by:** tsm
Weather/Temperature: 55°F SUN	**Well Previously Sampled w/pump:** mw-27
Last Precipitation: SAT 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: DRUMS	
Comments/Description of Needed Repairs/Observations, etc.: sampled collected @ 1505	

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 5 **To:** 15	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface): N/A	**Initial Depth to Water:** 4.80
Pump Intake Setting: 10'	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1427 **Off:** 1510

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1435	0	100		14.8	8.73	.602	5.42	7.08	1.2	5.08
1438	3			11.7	9.37	.611	6.17	6.94	2.9	6.73
1441	6			10.2	9.72	.622	5.15	7.02	3.6	6.75
1444	9			8.71	9.99	.628	6.93	7.01	4.3	6.76
1447	12			7.15	10.36	.631	6.85	7.01	3.8	6.76
1450	15			6.86	10.42	.634	4.32	7.01	3.7	6.77
1453	18			6.13	10.41	.633	4.19	7.01	4.2	6.78
1456	21			5.08	10.42	.632	4.09	7.02	4.0	6.78
1459	24			4.11	10.43	.631	3.95	7.01	4.1	6.79

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bor-L	**Well I.D.** mw-27 **Flush Mount** **Stickup**
Date: 4-29-15	**Sampled by:** tm / SAF
Time: 1310	**Recorded by:** SAF
Weather/Temperature: INDOORS	**Well Previously Sampled w/pump:** mw-12
Last Precipitation: Sat 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: drums	

Comments/Description of Needed Repairs/Observations, etc.:

Sample collected @ 1355
DUP - 2 collected

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 6 **To:** 16	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface): N/A	**Initial Depth to Water:** 4.29
Pump Intake Setting: 11	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1320 **Off:** 1410

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1325	0	100		40.0	7.22	.476	2.88	9.73	41.1	4.34
1328	3			40.2	7.11	.493	2.09	9.62	33.8	4.72
1331	6			34.5	7.05	.489	1.83	9.63	29.0	4.72
1334	9			28.3	7.02	.482	1.75	9.63	22.9	4.73
1337	12			22.7	7.02	.484	1.40	9.62	18.6	4.74
1340	15			16.1	6.99	.468	1.66	9.60	16.2	4.74
1343	18			12.4	6.99	.467	1.54	9.61	16.0	4.74
1346	21			11.7	7.00	.467	1.50	9.60	15.9	4.75
1349	24			10.6	7.00	.468	1.44	9.60	15.8	4.75

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bow-L	**Well I.D.** mw-12 (Flush Mount) Stickup
Date: 4-29-15	**Sampled by:** tom / JAF
Time: 12:00	**Recorded by:** tom
Weather/Temperature: 58°F sun	**Well Previously Sampled w/pump:** mw-20
Last Precipitation: SAT 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drums	

Comments/Description of Needed Repairs/Observations, etc.:

sample collected @ 1255

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: From: 4 **To:** 14	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 2.40
Pump Intake Setting: 9	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1205 **Off:** 1305

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
12:15	0	100		19.3	7.96	.496	2.42	7.94	21.9	3.01
1218	3			13.5	7.72	.483	1.69	7.00	19.0	3.02
1221	6			7.10	7.58	.475	1.44	6.99	20.6	3.02
1224	9			6.03	7.57	.468	1.28	6.94	17.4	3.01
1227	12			12.81	7.55	.467	1.11	6.96	16.4	3.02
1230	15			11.21	7.44	.464	1.07	6.98	14.0	3.03
1233	18			10.53	7.51	.463	1.05	7.00	13.1	3.04
1236	21			4.20	7.35	.462	1.01	6.92	12.9	3.04
1239	24			2.11	7.33	.461	.98	6.93	11.6	3.04
1242	27			1.32	7.34	.461	.95	6.92	11.2	3.04

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bon-L	**Well I.D.** mw-20 **Flush Mount** **Stickup**
Date: 4/29/15	**Sampled by:** tom/ [illegible]
Time: 10:27	**Recorded by:** tom
Weather/Temperature: 55°F sun	**Well Previously Sampled w/pump:** mw-17
Last Precipitation: Sat 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drums	

Comments/Description of Needed Repairs/Observations, etc.:

sample collected @ 11:15

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 6 **To:** 16	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 1.29
Pump Intake Setting: 11	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1035 **Off:** 1130

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1040	0	100		27.1	8.19	.656	4.16	7.07	106.4	4.45
1043	3			30.9	8.17	.653	2.59	6.99	93.8	5.00
1046	6			22.8	8.20	.649	1.95	7.04	83.1	5.60
1049	9			17.2	8.20	.629	1.77	7.01	72.3	5.72
1052	12			27.3	8.04	.614	1.58	7.04	63.0	5.74
1055	15			50.4	8.01	.628	1.43	7.01	58.7	5.75
1058	18			65.6	8.16	.630	1.34	7.00	52.5	5.75
1101	21			81.8	8.17	.635	1.41	7.01	49.7	5.76
1104	24			80.5	8.21	.642	1.47	7.01	48.0	5.76
1107	27			78.8	8.20	.641	1.40	7.02	46.7	5.77
1110	30			76.7	8.20	.642	1.45	7.01	45.8	5.77

Purging Observations

At Start of Purging:

Water Color: Light tan	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: Light tan	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bar-L	**Well I.D.** mw-17 **Flush Mount** **Stickup**
Date: 4-29-15	**Sampled by:** tom / JAF
Time: 0915	**Recorded by:** tom
Weather/Temperature: SVN 43°F	**Well Previously Sampled w/pump:** mw-14
Last Precipitation: JAF 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drum	
Comments/Description of Needed Repairs/Observations, etc.: sample collected @ 09:49	

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** unknown **To:**	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface): N/A	**Initial Depth to Water:** 7.30
Pump Intake Setting: 11	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 0928 **Off:** 0958

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
0930	0	100		16.5	9.77	.645	15.81	7.07	-2.9	7.28
0933	3			13.8	8.81	.617	10.62	7.03	-5.0	8.70
0936	6			16.2	8.65	.609	10.79	7.01	-4.2	9.00
0939	9			14.3	8.62	.609	10.74	7.00	-1.8	9.02
0942	12			13.9	8.63	.610	10.23	7.01	-1.5	9.04

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: slight ~~mark~~ sulpher tom	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: slight ~~mark~~ sulpher tom	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bor - 2	**Well I.D.** mw-14 (Flush Mount) Stickup
Date: 4-29-15	**Sampled by:** tom/jaf
Time: 0740	**Recorded by:** tom
Weather/Temperature: Sun 43 °F	**Well Previously Sampled w/pump:** mw-13
Last Precipitation: sat 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drum	

Comments/Description of Needed Repairs/Observations, etc.:

Sample collected @ 08:50

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter:** ~~2-inch~~ 1"
Screen Interval: **From:** 6 **To:** 16	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 5.22
Pump Intake Setting: 11	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 08:10 **Off:** 09:00

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
0812	0	100		1572	7.93	.508	6.65	7.17	-44.5	5.87
0815	3			317	8.08	.572	2.24	7.10	-50.7	6.29
0818	6			133	8.03	.573	1.81	7.12	-53.6	6.29
0821	9			128	8.16	.577	1.59	7.11	-56.6	6.30
0824	12			90.2	8.19	.578	1.57	7.11	-57.4	6.32
0827	15			44.5	8.20	.580	1.44	7.08	-58.7	6.36
0830	18			39.1	8.14	.582	1.36	7.11	-59.4	6.36
0833	21			70.8	8.18	.585	1.33	7.11	-60.7	6.37
0836	24			351	8.21	.590	1.12	7.10	-64.5	6.37
0839	27			277	8.18	.591	.81	7.10	-64.7	6.37
0842	30			277	8.19	.590	.78	7.10	-65.1	6.38
0845	33			275	8.20	.591	.75	7.10	-65.3	6.38

Purging Observations

At Start of Purging:

Water Color: mid / very brown	Qualitative Turbidity: very turbid
Odor: none	Other Observations:

At time of Sampling:

Water Color: light tan - slightly turbid	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bor-L	**Well I.D.** mw-10 **Flush Mount** **Stickup**
Date: 4-28-15	**Sampled by:** pm/omf
Time: 1429	**Recorded by:** tm
Weather/Temperature: 62°F sun	**Well Previously Sampled w/pump:** mw-1
Last Precipitation: sat 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: drum	
Comments/Description of Needed Repairs/Observations, etc.: sample collected @ 1515	

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 4 **To:** 14	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface): N/A	**Initial Depth to Water:** 1.52
Pump Intake Setting: 9	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1437 **Off:** 1525

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1443	0	150		74.0	9.70	.666	3.19	7.28	-113.5	3.45
1447	3			36.0	9.07	.646	1.33	7.28	-150.9	3.47
1450	6			18.5	8.94	.647	1.22	7.26	-157.7	3.46
1453	9			8.95	8.90	.652	0.90	7.26	-152.6	3.47
1456	12			8.43	8.85	.655	0.87	7.26	-150.7	3.48
1459	15			2.61	8.75	.664	0.80	7.24	-149.3	3.49
1502	18			1.96	8.76	.669	0.76	7.23	-147.0	3.52
1505	21			1.90	8.78	.668	0.75	7.22	-150.5	3.54
1508	24			1.88	8.79	.669	0.76	7.22	-151.1	3.56

Purging Observations

At Start of Purging:

Water Color: Light tan	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: same	Qualitative Turbidity:
Odor: same	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Barr-L	**Well I.D.** mw-13 **Flush Mount** **Stickup**
Date: 4-28-15	**Sampled by:** tm / JAF
Time: 15:30	**Recorded by:** tom
Weather/Temperature: 62°F sun	**Well Previously Sampled w/pump:** mw-10
Last Precipitation: Sat 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drum	
Comments/Description of Needed Repairs/Observations, etc.: sample collected @ 1610	

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 4 **To:** 14	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 1.48
Pump Intake Setting: 9	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 15:40 **Off:** 1620

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1543	0	100		12.6	9.47	.537	1.48	7.27	-113.1	5.60
1546	3		8.84	9.30	.547	1.10	7.20	-116.7	7.40
1549	6			5.24	9.29	.560	.99	7.21	-111.6	7.44
1552	9			4.28	10.09	.588	.90	7.16	-97.1	7.49
1555	12			3.01	10.43	.599	.88	7.15	-93.3	7.51
1558	15			3.07	10.28	.605	.87	7.20	-100.2	7.53
1601	18			3.01	10.25	.606	.88	7.20	-101.5	7.56
1604	21			3.05	10.26	.607	.86	7.19	-101.8	7.60

Purging Observations

At Start of Purging:

Water Color:	Qualitative Turbidity:
Odor:	Other Observations:

At time of Sampling:

Water Color:	Qualitative Turbidity:
Odor:	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bon-L	**Well I.D.** mw-1 **Flush Mount** **Stickup**
Date: 4-28-15	**Sampled by:** tom / Joe
Time: 0857	**Recorded by:** tom
Weather/Temperature: sun 55°F	**Well Previously Sampled w/pump:** NONE
Last Precipitation: Sat 4/25	**Well maintenance needs:** location marking label
Purge Water Disposal: Drum	well cap lock riser stickup/cover concrete base

Comments/Description of Needed Repairs/Observations, etc.:

Sample collected @ 12:55

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter:** ~~2-inch~~ 1"
Screen Interval: **From:** 6' **To:** 16'	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface): N/A	**Initial Depth to Water:** 3.34
Pump Intake Setting: 11.00	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 12:21 ~~09:22~~ **Off:** 1310

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (uS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1230	0	156		131	9.92	.419	2.57	7.40	113.1	3.30
1233	3	150		136	9.84	.492	1.60	7.33	-120.1	3.35
1236	6	152		91.6	9.56	.495	1.50	7.33	-120.3	3.34
1239	9	153		85.8	9.54	.496	1.42	7.33	-123.4	3.36
1242	12	154		56.1	9.60	.498	1.23	7.33	-125.3	3.35
1245	15	155		52.4	9.60	.499	1.21	7.33	-123.5	3.35
1248	18	155		50.8	9.61	.501	1.22	7.33	-122.7	3.36

Purging Observations

At Start of Purging:

Water Color: Light tan	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: same	Qualitative Turbidity:
Odor: same	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bor-L	**Well I.D.** mw-29 **Flush Mount** **Stickup**
Date: 4-30-15	**Sampled by:** tm/SAF
Time: 1410	**Recorded by:** tm
Weather/Temperature: Indoors	**Well Previously Sampled w/pump:** mw-28
Last Precipitation: Sat 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal:	

Comments/Description of Needed Repairs/Observations, etc.:

sample collected @ 1450

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 4 **To:** 14	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface): N/A	**Initial Depth to Water:** 4.04
Pump Intake Setting: 9'	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1420 **Off:** 1455

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1425	0	100		10.67	8.01	.597	11.87	6.67	-36.3	4.04
1428	3			5.60	7.49	.693	7.15	6.54	-50.7	4.04
1431	6			3.28	7.31	.702	4.50	6.51	-50.5	4.05
1434	9			2.54	7.21	.706	4.08	6.53	-49.2	4.05
1437	12			2.42	7.16	.707	3.93	6.51	-49.5	4.05
1440	15			2.16	7.13	.708	3.84	6.51	-49.3	4.05
1443	18			1.94	7.13	.708	3.56	6.51	-49.1	4.05

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: slight solvent odor	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: slight solvent odor	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bar-L	**Well I.D.** mw-28 **Flush Mount** **Stickup**
Date: 4-30-15	**Sampled by:** tom / JAF
Time: 1305	**Recorded by:** tm
Weather/Temperature: IND 0025	**Well Previously Sampled w/pump:** mw-8
Last Precipitation: SAT 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drums	

Comments/Description of Needed Repairs/Observations, etc.:

sample collected @ 1347

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 4 **To:** 14	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface): N/A	**Initial Depth to Water:** 3.85
Pump Intake Setting: 9'	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1310 **Off:** 1355

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1320	0	100		27.1	8.33	.380	11.71	7.65	-47.4	3.87
1323	3			65.8	7.82	.386	5.60	7.38	-68.5	3.87
1326	6			63.1	7.62	.384	4.52	7.33	-72.6	3.87
1329	9			59.6	7.61	.382	2.96	7.32	-73.1	3.87
1332	12			72.8	7.60	.380	2.49	7.31	-75.4	3.88
1335	15			69.6	7.59	.379	2.35	7.32	-77.2	3.88
1338	18			65.2	7.58	.378	2.19	7.32	-78.5	3.88

Purging Observations

At Start of Purging:

Water Color: clear - very slight turbid	Qualitative Turbidity:
Odor: mod. sulpher	Other Observations:

At time of Sampling:

Water Color: clear - very slight turbid	Qualitative Turbidity:
Odor: mod. sulpher	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bor-L	**Well I.D.** mw-8 **Flush Mount** **Stickup**
Date: 4-30-15	**Sampled by:** tm / JAF
Time: 12:05	**Recorded by:** tm
Weather/Temperature: clouds 50°F	**Well Previously Sampled w/pump:** mw-26
Last Precipitation: Sat 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drums	
Comments/Description of Needed Repairs/Observations, etc.: Sample collected @ 1245	

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 4 **To:** 14	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface): N/A	**Initial Depth to Water:** 0.81'
Pump Intake Setting: 9'	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1210 **Off:** 1255

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1215	0	100		160.2	10.62	.419	15.14	7.25	-17.2	0.82
1218	3			152.7	10.41	.384	12.10	7.70	-23.5	0.83
1221	6			101.0	10.26	.363	9.84	7.68	-48.3	0.83
1224	9			92.6	10.48	.360	5.38	7.60	-50.1	0.84
1227	12			70.9	10.51	.352	4.07	7.62	-52.5	0.84
1230	15			66.7	10.55	.347	3.23	7.65	-53.6	0.84
1233	18			42.8	10.69	.331	2.11	7.67	-56.2	0.84
1236	21			39.5	10.70	.330	2.02	7.70	-57.3	0.84
1239	24			37.8	10.71	.330	1.95	7.70	-57.0	0.84

Purging Observations

At Start of Purging:

Water Color: slightly turbid	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: BON-L	**Well I.D.** MW-26 Indoors **Flush Mount** **Stickup**
Date: 4-30-15	**Sampled by:** tm / [illegible]
Time: 1110	**Recorded by:** tm
Weather/Temperature: Indoors	**Well Previously Sampled w/pump:** MW-25
Last Precipitation: 4/25 (SAT)	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drums	

Comments/Description of Needed Repairs/Observations, etc.:

Sample collected @ 1145

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: From: 6 **To:** 16	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface): N/A	**Initial Depth to Water:** 4.70
Pump Intake Setting: 11'	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1115 **Off:** 1155

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1120	0	100		5.60	8.08	.831	7.13	7.62	-3.7	5.08
1123	3			4.44	7.89	.853	5.08	7.55	-6.8	5.52
1126	6			3.81	7.70	.869	4.02	7.56	-8.3	5.54
1129	9			2.95	7.69	.877	3.36	7.56	-8.4	5.55
1132	12			2.11	7.69	.880	2.68	7.55	-8.5	5.56
1135	15			1.77	7.69	.881	2.49	7.55	-8.4	5.56
1138	18			1.24	7.69	.881	2.32	7.55	-8.3	5.57

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

(indoors)

Project Number: BOV-L	**Well I.D.** MW-25 **Flush Mount** **Stickup**
Date: 4-30-15	**Sampled by:** tm/jaf
Time: 10:10	**Recorded by:** tm
Weather/Temperature: indoors	**Well Previously Sampled w/pump:** MW-31
Last Precipitation: SAT 4/30	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drums	

Comments/Description of Needed Repairs/Observations, etc.:

sample collected @ 10:45

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 5.5 **To:** 15.5'	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface): N/A	**Initial Depth to Water:** 3.99
Pump Intake Setting: 10.5	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 10:15 **Off:** 1055

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
10:20	0			8.12	8.29	0.245	17.41	8.39	-37.6	2.80
10:25	3			7.55	7.68	0.241	9.78	8.25	-51.0	4.07
10:28	6			3.89	7.59	0.241	4.05	8.15	-63.3	4.10
10:31	9			2.01	7.38	0.239	3.02	8.04	-72.5	4.10
10:34	12			1.35	7.33	.238	2.46	8.10	-71.7	4.10
10:37	15			.97	7.32	.238	1.92	8.11	-71.1	4.10
10:40	18			.81	7.32	.237	1.65	8.11	-70.8	4.10

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: slight sulpher	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: slight sulpher	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bor-L	**Well I.D.** mw-31 **Flush Mount** **Stickup**
Date: 4-30-15	**Sampled by:** tm/snf
Time: 0910	**Recorded by:** tm
Weather/Temperature: clouds 43°F	**Well Previously Sampled w/pump:** mw-7
Last Precipitation: snow 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drums	

Comments/Description of Needed Repairs/Observations, etc.:

sample collected @ 09:50

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 3 **To:** 13	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 3.84
Pump Intake Setting: 8'	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 0920 **Off:** 10:00

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
0925	0	100		6.73	8.19	.321	15.21	7.25	-4.6	4.05
0928	3			6.64	7.92	.589	11.80	7.19	-10.9	4.66
0931	6			6.29	7.76	.586	9.01	7.13	-8.0	5.02
0934	9			6.05	7.82	.586	7.23	7.13	-4.0	5.03
0937	12			5.14	8.04	.587	5.10	7.13	-3.9	5.04
0940	15			4.86	8.02	.593	3.30	7.10	-3.1	5.05
0943	18			4.32	8.02	.593	3.12	7.10	-3.0	5.07
0946	21			4.05	8.03	.594	2.98	7.10	-3.0	5.08

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: BOW-L	**Well I.D.** mw-7 **Flush Mount** Stickup
Date: 4-30-15	**Sampled by:** tam / JAF
Time: 0805	**Recorded by:** tam
Weather/Temperature: clouds 43°F	**Well Previously Sampled w/pump:** mw-21
Last Precipitation: snow 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drums	
Comments/Description of Needed Repairs/Observations, etc.: sample collected @ 0857	

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 6 **To:** 16	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 1.58
Pump Intake Setting: 11	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 0815 **Off:** 0905

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
0825	0	100		12.9	7.91	.560	15.01	7.41	19.1	3.40
0828	3			14.4	7.33	.604	5.49	7.20	-26.8	5.30
0831	6			12.3	7.45	.595	4.17	7.19	-31.0	5.60
0834	9			10.98	7.55	.591	3.40	7.18	-30.7	5.61
0837	12			5.43	7.72	.590	3.22	7.18	-30.0	5.62
0840				4.12	7.75	.591	3.20	7.17	-29.5	5.62
0843				3.79	7.77	.590	3.15	7.17	-29.4	5.62
0846				3.55	7.79	.590	3.05	7.17	-29.4	5.62

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bar-L	**Well I.D.** MW-21 (Flush Mount) Stickup
Date: 4-30-15	**Sampled by:** tdm / SAT
Time: 0721	**Recorded by:** tdm
Weather/Temperature: 43°F clouds	**Well Previously Sampled w/pump:** MW-33
Last Precipitation: SAT 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: DRUMS	

Comments/Description of Needed Repairs/Observations, etc.:

sample collected @ 0755
collect MS/MSD

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 5 **To:** 15	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 1.57
Pump Intake Setting: 10	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 725 **Off:** 0800

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
0730	0	100		17.7	5.31	.495	9.19	7.24	-28.0	1.58
0733	3			15.0	5.45	.504	6.62	7.11	-26.9	1.58
0736	6			9.80	5.45	.514	5.10	7.08	-23.6	1.58
0739	9			3.91	5.48	.528	3.92	7.05	-21.0	1.58
0742	12			3.23	5.55	.541	3.38	7.09	-20.6	1.58
0745	15			2.98	5.56	.540	3.30	7.08	-20.4	1.58
0748	18			2.92	5.57	.540	3.26	7.08	-20.1	1.58

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: BON-L	**Well I.D.** MW-30 **Flush Mount** **Stickup**
Date: 4-29-15	**Sampled by:** TM / JAT
Time: 15:15	**Recorded by:** TM
Weather/Temperature: 50° F SUN	**Well Previously Sampled w/pump:** MW-11
Last Precipitation: SAT 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: DRUMS	

Comments/Description of Needed Repairs/Observations, etc.:

Sample collected @ 1547

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 3 **To:** 13	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 1.04
Pump Intake Setting: 8'	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1520 **Off:** 1550

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1528	0	100		11.3	9.73	.426	2.24	7.36	-48.1	2.40
1531	3			15.7	10.45	.420	1.62	7.31	-42.9	4.35
1534	6			13.5	10.80	.422	1.57	7.30	-42.5	4.37
1537	9			12.2	10.82	.423	1.52	7.31	-42.1	4.38
1540	12			11.8	10.84	.423	1.51	7.31	-41.8	4.38
1543	15			11.6	10.84	.423	1.50	7.31	-41.2	4.38

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: Bonl	**Well I.D.** mw-16 (Flush Mount) Stickup
Date: 4/29/15	**Sampled by:** tm/sat
Time: 1555	**Recorded by:** tm
Weather/Temperature: 58°F Sun	**Well Previously Sampled w/pump:** mw-30
Last Precipitation: sat 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drum	

Comments/Description of Needed Repairs/Observations, etc.:

sample collected @ 16:33

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: From: 4 **To:** 14	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 2.73
Pump Intake Setting: 9'	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1559 **Off:**

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1605	0	100		30.4	10.71	.434	7.34	7.45	4.6	3.10
1608	3			27.5	11.21	.425	6.29	7.27	4.0	5.50
1611	6			56.2	11.34	.425	5.92	7.27	3.7	5.71
1614	9			41.6	11.36	.424	5.20	7.28	2.5	5.74
1617	12			35.8	11.38	.423	4.61	7.25	2.7	5.75
1620	15			27.2	11.39	.422	4.02	7.25	2.6	5.76
1623	18			26.0	11.41	.424	2.11	7.26	2.5	5.77
1626	21			25.5	11.40	.424	2.00	7.25	2.3	5.78
1629	24			25.3	11.41	.424	1.95	7.25	2.0	5.78

Purging Observations

At Start of Purging:

Water Color: Clear	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: Clear	Qualitative Turbidity:
Odor: none	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: BOV-L	**Well I.D.** mw-33 Flush ~~Mount~~ Stickup
Date: 4-29-15	**Sampled by:** tm / saf
Time: 16:40	**Recorded by:** tm
Weather/Temperature: sun 57°F	**Well Previously Sampled w/pump:** mw-16
Last Precipitation: sat 4/25	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: Drums	

Comments/Description of Needed Repairs/Observations, etc.:

sample collected @ 1725

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 6 **To:** 16	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 4.41
Pump Intake Setting: 11	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 16:50 **Off:** 1735

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1655	0	100		7.21	10.65	.390	8.05	7.15	-95.2	5.05
1700	3			5.63	10.22	.377	3.37	7.06	-93.2	5.17
1703	6			12.5	10.73	.378	2.35	7.02	-92.6	5.31
1706	9			9.10	10.95	.377	2.11	7.08	-96.3	5.33
1709	12			4.92	11.17	.376	1.83	7.09	-99.0	5.34
1712	15			3.11	11.19	.375	1.68	7.09	-99.6	5.35
1715	18			2.86	11.21	.375	1.52	7.10	-100.0	5.37
1718	21			2.71	11.22	.375	1.49	7.10	-99.7	5.38

Purging Observations

At Start of Purging:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity:
Odor: none	Other Observations:

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GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123-15-0107	**Well I.D.** MW-1 **Flush Mount** ✓ **Stickup**
Date: 9/9/15	**Sampled by:** Michael LaPrade
Time: 0947	**Recorded by:** Michael LaPrade
Weather/Temperature: 70°- cloudy	**Well Previously Sampled w/pump:** NONE
Last Precipitation: 9/8/15	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal:	

Comments/Description of Needed Repairs/Observations, etc.:

well cap missing one bolt
DTW (9/8/15) 3.15
sample collected at 1045

Instrument Identification

	Serial #s	
Water-Level Meter	19942	**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter:** ~~2-inch~~ 1"
Screen Interval: **From:** **To:**	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:**
Pump Intake Setting:	**Water Column (ft):**
Total GW Volume Purged: 1.5 gallons	**Time Pump On:** 0947 **Off:** 1055

Field Parameter Measurements

MW-1

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
MPL ~~0957~~ 1004	~~10~~ 17 MPL	100		—	17.92	0.427	1.01	8.28	-129.8	—
1010	23	100		—	16.64	0.470	0.50	8.56	-142.6	—
1020	33	100		—	15.84	0.535	0.49	8.72	-134.6	3.55 am MPL
1030	43	100		—	15.46	0.553	0.59	8.78	-128.6	3.42
1035	48	120		—	15.36	0.556	0.45	8.79	-129.0	3.39
1040	53	120		—	15.32	0.558	0.33	8.80	-132.5	3.37
1045	58	120		—	15.31	0.560		8.82	-134.1	3.40

Purging Observations

At Start of Purging:

Water Color: light gray	Qualitative Turbidity: 50-100
Odor: NONE	Other Observations:

At time of Sampling:

Water Color: mostly clear	Qualitative Turbidity: 10-20
Odor: NONE	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123-15-0107	**Well I.D.** MW-7 **Flush Mount** ✓ **Stickup**
Date: 9/9/15	**Sampled by:** M. LaPrade
Time: 1428	**Recorded by:** M. LaPrade
Weather/Temperature: 75°-cloudy	**Well Previously Sampled w/pump:** MW-8
Last Precipitation: 9/8/15	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal:	
Comments/Description of Needed Repairs/Observations, etc.: collected sample at 1455	

Instrument Identification

	Serial #s	
Water-Level Meter	19942	**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter:** ~~2-inch~~ 1"
Screen Interval: **From:** **To:**	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 2.54
Pump Intake Setting:	**Water Column (ft):**
Total GW Volume Purged: 0.75 gallons	**Time Pump On:** 1428 **Off:** 1455

Field Parameter Measurements

MW-7

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1435	7	100		—	18.75	0.737	1.01	8.12	-61.0	3.29
1440	12	100		—	18.70	0.697	0.78	8.16	-54.7	3.78
* 1445	17	100		—	19.09	0.662	0.91	8.11	-51.9	4.34
1450	22	80		~	19.61	0.655	0.66	7.98	-55.3	4.91
1455	27	80		—	19.89	0.653	0.73	7.84	-51.1	5.22

Purging Observations

At Start of Purging:

Water Color: mostly clear	Qualitative Turbidity: 10-25 NTUs
Odor: NONE	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity: 10-25 NTUs
Odor: NONE	Other Observations:

* Reduced pump speed

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123-15-0107	**Well I.D.** MW-8 **Flush Mount** X **Stickup**
Date: 9/9/15	**Sampled by:** M. Lafrade
Time: ~~1250~~ 1220 MPL	**Recorded by:** M. Lafrade
Weather/Temperature: 75°-cloudy	**Well Previously Sampled w/pump:** MW-1
Last Precipitation: 9/8/15	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal:	

Comments/Description of Needed Repairs/Observations, etc.:

Sample collected at 1320

Instrument Identification

	Serial #s	
Water-Level Meter	19942	**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter:** ~~2-inch~~ 1"
Screen Interval: **From:** **To:**	**Measured Well Depth (Below TOC):** 20.5'
Well Stickup (from ground surface):	**Initial Depth to Water:**
Pump Intake Setting:	**Water Column (ft):**
Total GW Volume Purged: 1.75 gallons	**Time Pump On:** 1220 **Off:**

Field Parameter Measurements

MW-8

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1225 ~~1255~~	5	100		—	21.84	0.373	1.28	8.16	-50.5	<0.5'
1235	15	100		—	21.89	0.362	1.16	7.97	-47.1	<0.5'
1245	25	100		—	22.13	0.345	1.21	7.90	-30.3	<0.5'
1250	30	100		—	22.20	0.340	1.34	7.90	-27.9	<0.5'
1255	35	100		—	22.26	0.335	1.36	7.91	-23.5	<0.5'
1300	40	100		—	22.27	0.329	1.39	7.91	-16.4	<0.5'
1305	45	100		—	22.37	0.328	1.42	7.92	-14.5	<0.5'
1310	50	100			22.42	0.328	1.45	7.91	-13.3	<0.5'
1315	55	100			22.42	0.327	1.41	7.92	-12.4	<0.5'
1320	60	100			22.47	0.326	1.46	7.91	-11.8	<0.5'

Purging Observations

At Start of Purging:

Water Color: light brown / gray	Qualitative Turbidity: >500
Odor: NONE	Other Observations:

At time of Sampling:

Water Color: Clear	Qualitative Turbidity: 10
Odor: NONE	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123 15 0107	**Well I.D.** MW-12 **Flush Mount** **Stickup**
Date:	**Sampled by:** ASN
Time: 1717	**Recorded by:** ASN
Weather/Temperature: Sunny 75°F	**Well Previously Sampled w/pump:** MW-33
Last Precipitation: Overnight	**Well maintenance needs:** ~~location marking~~ ~~label~~
Purge Water Disposal: On Site Drum	well cap lock riser stickup/cover concrete base
Comments/Description of Needed Repairs/Observations, etc.: Sampled @ 1745	

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: From: 4 **To:** 14	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 2.42
Pump Intake Setting: 9	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1718 **Off:** 1750

Field Parameter Measurements

MW-12

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1721	3	1D #100		—	19.00	0.323	12.02	6.20	-35.0	2.49
1724	6	1D #102		—	18.57	0.603	3.26	7.05	-176.4	2.41
1727	9	1D #104		—	18.45	0.569	1.79	6.50	-171.7	2.55
1730	12			—	18.41	0.533	1.70	6.41	-184.8	2.57
1736	18	1D #105		—	18.40	0.514	1.52	6.43	-212.9	2.55
1739	21	1D #106		—	18.36	0.508	1.42	6.42	-211.9	2.49
1742	24			—	18.35	0.510	1.36	6.43	-219.5	2.54
1745	27			—	18.34	0.515	1.28	6.43	-225.7	2.57
		Sampled @			1745					

Purging Observations

At Start of Purging:

Water Color: Slight Cloud	Qualitative Turbidity:
Odor: None	Other Observations:

At time of Sampling:

Water Color: Mostly Clear	Qualitative Turbidity:
Odor: None	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123 150107	**Well I.D.** MW-~~23~~ 14 Flush Mount Stickup
Date: 09/09/2015	**Sampled by:** ASN
Time: 1546	**Recorded by:** ASN
Weather/Temperature: Partly Sunny 76°F	**Well Previously Sampled w/pump:** MW-21
Last Precipitation: Overnight	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: On Site Drum	

Comments/Description of Needed Repairs/Observations, etc.:

Sample @ 1620

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 6 **To:** 16	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 5.53
Pump Intake Setting: 11	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1559 **Off:** 1625

Field Parameter Measurements

MW-14

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1557	3	10 #103		—	20.90	0.408	3.36	6.81	-150.2	5.61
1600	6	10 #94		—	20.29	0.409	6.52	6.77	-172.6	5.67
1603	9			—	20.02	0.409	7.60	6.89	-175.1	5.58
1606	12	10 #103		—	20.05	0.423	7.53	6.85	-155.6	5.52
1609	15			—	20.08	0.427	7.55	6.84	-154.0	5.51
1612	18			—	20.17	0.430	7.66	6.89	-155.9	5.48
1615	21			—	20.39	0.431	7.85	6.96	-156.5	5.49
		Sample @			1620					

Purging Observations

At Start of Purging:

Water Color: Tan	Qualitative Turbidity:
Odor: None	Other Observations:

At time of Sampling:

Water Color: Sort of Tan	Qualitative Turbidity:
Odor: None	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123 15 0107	**Well I.D.** MW-20 (Flush Mount) Stickup
Date: 09/09/2015	**Sampled by:** ASN
Time: 1257	**Recorded by:** ASN
Weather/Temperature: Cloudy 75°F	**Well Previously Sampled w/pump:** NONE
Last Precipitation: Overnight	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: On Site Drum	
Comments/Description of Needed Repairs/Observations, etc.: Overgrown Sampled @ 1344	

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked: 09/09/2015
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter:** ~~2 inch~~
Screen Interval: **From:** 6 **To:** 16	**Measured Well Depth (Below TOC):** [redacted]
Well Stickup (from ground surface): None	**Initial Depth to Water:** 3.50
Pump Intake Setting: 11	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1303 **Off:** 1341

Field Parameter Measurements

MW-20

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1306	3	≈100		—	18.44	0.849	12.39	6.34	-184.2	4.22
1309	6	↓		—	17.56	0.837	2.76	5.41	-219.1	4.41
1312	9	↓		—	17.41	0.834	2.11	5.40	-240.2	4.49
1315	12	↓		—	17.49	0.833	1.76	5.54	-247.6	4.42
1318	15	1093		—	16.90	0.817	4.10	5.63	-199.4	4.46
1321	18			—	16.50	0.809	6.44	5.65	-160.1	4.61
1324	21			—	16.49	0.810	7.08	5.78	-158.3	4.89
1327	24			—	16.68	0.814	7.20	5.89	-156.5	5.12
1330	27			—	16.87	0.818	7.43	6.07	-162.5	5.18
1333	30			—	16.98	0.820	7.79	6.32	-168.3	5.32
1336	33			—	16.98	0.820	8.01	6.46	-168.0	5.43
1339	36			—	16.93	0.819	8.26	6.54	-174.1	5.61
		Sampled @ 1344								

Purging Observations

At Start of Purging:

Water Color: Slightly opaque	Qualitative Turbidity:
Odor: None	Other Observations:

At time of Sampling:

Water Color: Less opaque	Qualitative Turbidity:
Odor: None	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123 15 0107	**Well I.D.** MW-21 **Flush Mount** **Stickup**
Date: 09/09/2015	**Sampled by:** ASN
Time: 1426	**Recorded by:** ASN
Weather/Temperature: Cloudy 77°F	**Well Previously Sampled w/pump:** MW-20
Last Precipitation: Overnight	**Well maintenance needs:** ~~location marking~~ ~~label~~ well cap lock riser stickup/~~cover~~ ~~concrete base~~
Purge Water Disposal: On Site Drum	
Comments/Description of Needed Repairs/Observations, etc.: Sampled @ 1452	

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 5 **To:** 15	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 2.22
Pump Intake Setting: 10	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1430 **Off:** 1456

Field Parameter Measurements

MW-21

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1433	3	10 #103		—	17.04	0.617	4.48	6.94	-242.8	2.28
1436	6			—	17.25	0.622	4.14	6.21	-239.8	2.31
1439	9			—	17.29	0.629	4.09	6.22	-238.9	2.33
1442	12			—	17.41	0.646	4.08	6.32	-245.1	2.32
1445	15			—	17.48	0.654	4.01	6.37	-240.9	2.31
1448	18			—	17.53	0.660	3.94	6.38	-243.3	2.30

Sampled @ 1452

Purging Observations

At Start of Purging:

Water Color: Clear	Qualitative Turbidity:
Odor: None	Other Observations:

At time of Sampling:

Water Color: Clear	Qualitative Turbidity:
Odor: None	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123-15-0107	**Well I.D.** MW-26 **Flush Mount** X **Stickup**
Date: 9/10/15	**Sampled by:** M. Lafrada
Time: 1015	**Recorded by:** M. Lafrada
Weather/Temperature: 70° - sunny	**Well Previously Sampled w/pump:**
Last Precipitation: 9/8/15	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal:	

Comments/Description of Needed Repairs/Observations, etc.:

this well is indoors
Sample collected at 1115

Instrument Identification

	Serial #s	
Water-Level Meter	19942	**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter:** ~~2-inch~~ 1"
Screen Interval: **From:** **To:**	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 4.58
Pump Intake Setting:	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 1015 **Off:**

MW-26

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1025	10	100		—	17.99	0.651	3.19	7.81	117.3	5.26
1030	15	100		—	17.31	0.571	2.64	6.92	110.4	5.41
* 1035	20	80		—	17.25	0.554	1.57	7.75	88.4	5.71
1040	25	80		—	17.20	0.543	1.23	7.81	72.7	5.83
1045	Changed flow - through - bad o-rings									
1050										
1055	40	80		—	17.07	0.998	1.16	8.36	16.7	6.19
1100	45	80		—	17.23	0.999	0.39	8.41	3.0	6.48
* 1105	50	80		—	17.22	0.998	0.47	8.41	-0.1	7.22
1110	55	60		—	17.25	0.998	0.56	8.40	-0.8	7.31
1115	60	60		—	17.26	0.996	0.62	8.41	-0.7	7.39

* reduced pump speed

Purging Observations

At Start of Purging:

Water Color: little cloudy	Qualitative Turbidity: 20-40 NTUs
Odor: NONE	Other Observations:

At time of Sampling:

Water Color: clear	Qualitative Turbidity: <10 NTUs
Odor: NONE	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123-15-0107	**Well I.D.** MW-28 **Flush Mount** X **Stickup**
Date: 9/10/15	**Sampled by:** M. LaPrade
Time: 0855	**Recorded by:** M. LaPrade
Weather/Temperature: 60° - clear	**Well Previously Sampled w/pump:** MW-31
Last Precipitation: 9/8/15	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal:	

Comments/Description of Needed Repairs/Observations, etc.:

Collected sample at 0925

Instrument Identification

	Serial #s	
Water-Level Meter	19942	**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter:** ~~2-inch~~ 1"
Screen Interval: **From:** **To:**	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 3.83
Pump Intake Setting:	**Water Column (ft):**
Total GW Volume Purged: 0.75 gallons	**Time Pump On:** 0855 **Off:**

MW-28

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
0900	5	100		—	17.89	0.515	0.66	7.75	-64.7	3.87
0905	10	100		—	17.55	0.513	0.59	7.91	-78.2	3.85
0910	15	100		—	17.41	0.511	0.37	7.99	-70.0	3.83
0915	20	100		—	17.39	0.513	0.38	8.04	-71.7	3.84
0920	25	100		—	17.42	0.508	0.35	8.04	-72.1	3.85
0925	~~25~~ 30	100		—	17.32	0.503	0.33	8.08	-72.9	3.86

Purging Observations

At Start of Purging:

Water Color: cloudy	Qualitative Turbidity: 100-200 NTUs
Odor: slight odor	Other Observations:

At time of Sampling:

Water Color: little cloudy	Qualitative Turbidity: 20-30 NTUs
Odor: slight odor	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123 15 0107	**Well I.D.** MW-29 ~~Flush Mount~~ IN DOORS **Stickup**
Date: 09/10/2015	**Sampled by:** ASN
Time: 0815	**Recorded by:** ASN
Weather/Temperature: Sunny 54°	**Well Previously Sampled w/pump:** MW-12
Last Precipitation: 36 hrs	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: On Site Drum	
Comments/Description of Needed Repairs/Observations, etc.: Sampled @ 0850	

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: **From:** 4 **To:** 14	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 3.68
Pump Intake Setting: 9'	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 0821 **Off:** 0905

Field Parameter Measurements

MW-29

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
0824	3	ID #103		—	NOT	Enough Water (NOT covering		YSI Sensor)		
0827	6			—	17.32	0.811	3.51	6.08	-281.4	3.68
0830	9	ID #105		—	17.35	0.821	2.90	5.68	-240.1	3.68
0833	12	ID #107		—	17.23	0.818	4.17	5.52	-239.9	3.68
0836	15			—	17.21	0.816	4.64	5.58	-233.1	3.71
0839	18			—	17.16	0.814	5.20	5.66	-223.7	3.72
0842	21			—	17.14	0.814	5.24	5.68	-224.1	3.74
0845	24			—	17.10	0.813	5.15	5.75	-224.3	3.74
0848	27			—	17.06	0.811	5.25	5.78	-217.7	3.76
		Sample @ 0850								

Purging Observations

At Start of Purging:

Water Color: Too dark to Tell (Slight Opacity)	Qualitative Turbidity:
Odor: Mild Paint Odor	Other Observations:

At time of Sampling:

Water Color: Same	Qualitative Turbidity:
Odor: Mild	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123 15 0107	**Well I.D.** MW-30 **Flush Mount** **Stickup**
Date: 09/10/2015	**Sampled by:** ASN
Time: 0950	**Recorded by:** ASN
Weather/Temperature: Sunny 70°F	**Well Previously Sampled w/pump:** MW-29
Last Precipitation: 36hrs	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal: On Site Drum	
Comments/Description of Needed Repairs/Observations, etc.: Sample @ 1015	

Instrument Identification

	Serial #s	
Water-Level Meter		**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter: 2-inch**
Screen Interval: From: 3 **To:** 13	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 0.90 ft
Pump Intake Setting: 8'	**Water Column (ft):**
Total GW Volume Purged:	**Time Pump On:** 0956 **Off:** 1023

Field Parameter Measurements

MW-30

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1001	5	ID#103		—	20.96	0.617	3.27	7.11	-256.2	2.76
1004	8	ID#90		—	21.13	0.620	1.84	6.79	-270.8	3.07
1007	11	ID#85		—	21.35	0.624	1.37	6.76	-270.4	3.41
1010	14	ID#82		—	21.49	0.622	1.39	6.88	-262.2	3.69
1013	17			—	21.60	0.617	1.43	6.65	-258.2	3.83
			Sample @ 1015							

Purging Observations

At Start of Purging:

Water Color: Mostly Clear	Qualitative Turbidity:
Odor: None	Other Observations:

At time of Sampling:

Water Color: Mostly Clear	Qualitative Turbidity:
Odor: None	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123-15-0107	**Well I.D.** MW-31 **Flush Mount** X **Stickup**
Date: 9/9/15	**Sampled by:** M. LaGrande
Time: 1730	**Recorded by:** M. LaGrande
Weather/Temperature: 75° mostly sunny	**Well Previously Sampled w/pump:** MW-33
Last Precipitation: 9/8/15	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal:	

Comments/Description of Needed Repairs/Observations, etc.:

Collected sample at 1810

Instrument Identification

	Serial #s	
Water-Level Meter	19942	**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter:** ~~2-inch~~ 1"
Screen Interval: **From:** **To:**	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 4.12
Pump Intake Setting:	**Water Column (ft):**
Total GW Volume Purged: 1.0 gallons	**Time Pump On:** 1736 **Off:**

Field Parameter Measurements

MW-31

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
1740	10	100		—	21.52	0.621	5.29	7.47	18.9	4.57
1745	15	100		—	21.36	0.620	3.15	7.67	19.3	4.72
1750	20	100		—	21.19	0.619	2.05	7.68	22.3	4.77
1755	25	100		—	21.08	0.618	2.32	7.70	24.3	4.78
1800	30	100		—	20.96	0.618	2.47	7.70	26.3	4.88
1805	35	100		—	20.76	0.618	2.46	7.72	28.0	4.93
1810	40	100		—	20.47	0.613	2.38	7.77	28.4	4.94

Purging Observations

At Start of Purging:

Water Color: Cloudy	Qualitative Turbidity: 30-50 NTUs
Odor: NONE	Other Observations:

At time of Sampling:

Water Color: Little cloudy	Qualitative Turbidity: 10-20 NTUs
Odor: NONE	Other Observations:

GROUNDWATER SAMPLING LOG/Maintenance Inspection

Project Number: 6123-15-0107	**Well I.D.** MW-33 **Flush Mount** X **Stickup**
Date: 9/9/15	**Sampled by:** M. LaPrade
Time: 1610	**Recorded by:** M. LaPrade
Weather/Temperature: 75° - mostly cloudy	**Well Previously Sampled w/pump:** MW-7
Last Precipitation: 9/8/15	**Well maintenance needs:** location marking label well cap lock riser stickup/cover concrete base
Purge Water Disposal:	
Comments/Description of Needed Repairs/Observations, etc.: collected sample at 1645	

Instrument Identification

	Serial #s	
Water-Level Meter	19942	**Sampling Pump ID:**
Water Quality Meter(s)		Calibration Checked:
Turbidity Meter		Calibration Checked:

Purging Information

Casing Material: PVC	**Casing Diameter:** ~~2-inch~~ 1"
Screen Interval: **From:** **To:**	**Measured Well Depth (Below TOC):**
Well Stickup (from ground surface):	**Initial Depth to Water:** 4.14
Pump Intake Setting:	**Water Column (ft):**
Total GW Volume Purged: 0.75 gallons	**Time Pump On:** 1610 **Off:**

MW-33

Field Parameter Measurements

Low Flow Stabilization - minimum 10 minutes purge time - 3 consecutive intervals must be within critieria				<5NTUs or ±10%	± 3%	± 3%	±10% or <1.0 mg/L	±0.1 unit	±10 mV	feet
Time	Minutes Elapsed	Purge Rate ml/min	Volume Purged (L)	Turbidity (NTUs)	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH units	Redox ORP	Depth to Water
* HP ~~1610~~ 1620	10	80		—	22.83	0.270	2.34	6.75	-96.6	6.62
HP ~~1615~~ 1625	15	80		—	22.41	0.452	1.56	7.59	-96.5	6.83
1630	20	80		—	22.17	0.448	0.74	7.58	-90.7	7.24
1635	25	80		—	22.11	0.443	0.89	7.58	-88.3	7.52
1640	30	80		—	22.26	0.439	0.93	7.53	-86.9	7.63
1645	35	80		—	22.25	0.438	0.86	7.48	-85.7	7.77

Purging Observations

At Start of Purging:

Water Color: little cloudy	Qualitative Turbidity: 30-50 NTUs
Odor: NONE	Other Observations:

At time of Sampling:

Water Color: mostly clear	Qualitative Turbidity: 10-20 NTUs
Odor: NONE	Other Observations:

*reduced pump speed

APPENDIX B

Laboratory Analytical Reports
April and September 2015

April 2015

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 09, 2015

Terry D. Snell
Bon L Manufacturing Co.
25 Bonnell St
Newnan GA 30263

TEL: (770) 253-2020
FAX: (770) 254-7711

RE: Kentland Closure

Dear Terry D. Snell: Order No: 1504O77

Analytical Environmental Services, Inc. received 4 samples on April 29, 2015 11:00 am for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Nicole Jessup
Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

15/4077

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure **Project No.** **Bon L Project Contact** Terry Snell **Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:
Analytical Enviommental Services
3785 Presidential Parkway
Atlanta, GA 30340

Laboratory Project Manager:
Nicole Jessup **Phone** 770-457-8177 ext 246
E-Mail njessup@aesatlanta.com

Requested Turn Around Time:
5-7 Business Days (Standard)

In Case Of Problems With Samples Contact:
Terry Snell (C: 404-431-0028)
Leslie Miller (O: 770-421-3321 C: 678-778-7214)

E-Mail Reports To Bon L Project Contact and:
Terry Snell (tdsnell@bonlalum.com)
Michael LaPrade (michael.laprade@amecfw.com)
Leslie Miller (leslie.miller@amecfw.com)

Send Invoice To: apinvoices@bonlalum.com
For Approval By:
PO # Or Billing Code: 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/28/15	1255	GW			X	MW-1			X	X	X	X	X	X		X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally
COMPANY NAME: AMECFW
SIGNATURE:

SAMPLED BY (PRINTED, COMPANY):
COMPANY NAME:
SIGNATURE:

SAMPLED BY (PRINTED, COMPANY):
COMPANY NAME:
SIGNATURE:

RELINQUISHED BY PRINTED NAME: Tom McNally
COMPANY NAME: AMEC FW
SIGNATURE:
DATE/TIME: 4/28/15 1815
RECEIVED BY PRINTED NAME: Joana Pacurar
COMPANY NAME: AES
SIGNATURE:
DATE/TIME: 4/29/15 11:00
COC/CUSTODY SEAL:

RELINQUISHED BY PRINTED NAME:
COMPANY NAME:
SIGNATURE:
DATE/TIME:
RECEIVED BY PRINTED NAME:
COMPANY NAME:
SIGNATURE:
DATE/TIME:
ICE:

RELINQUISHED BY PRINTED NAME:
COMPANY NAME:
SIGNATURE:
DATE/TIME:
RECEIVED BY PRINTED NAME:
COMPANY NAME:
SIGNATURE:
DATE/TIME:
pH:

RECEIVED BY LAB PRINTED NAME:
SIGNATURE:
DATE/TIME:
SAMPLE SHIPPED VIA: UPS | FED-EX | COURIER | CLIENT | OTHER:
TEMPERATURE:

CUSTODY INTACT YES / NO
Savannah Log No.:
Laboratory Remarks:
AIR BILL #:
COOLER #:
SAMPLE CONDITION:
INTO LIMS:
Reviewed:

1504077

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028** **E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**	
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)	
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)	
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)	
Laboratory Project Manager:		
Nicole Jessup **Phone** 770-457-8177 ext 246		
E-Mail njessup@aesatlanta.com		
Requested Turn Around Time:		
5-7 Business Days (Standard)		
In Case Of Problems With Samples Contact:	**Send Invoice To:**	apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	**For Approval By:**	
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:**	9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Tabl	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/28/15	1515	GW			X	MW-10				X	X	X	X	X		X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

FOR LAB USE ONLY
LAB #:
QUOTE #:

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:	
SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4/28/15 1815	RECEIVED BY PRINTED NAME: Joana Pacurar	SIGNATURE	DATE/TIME: 4/29/15 11:00	COC/CUSTODY SEAL:
COMPANY NAME: AMEC FW			COMPANY NAME: AES			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

15D4077

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	Terry Snell	**Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**	
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)	
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)	
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)	
Laboratory Project Manager:		
Nicole Jessup **Phone** 770-457-8177 ext 246		
E-Mail njessup@aesatlanta.com		
Requested Turn Around Time:		
5-7 Business Days (Standard)		
In Case Of Problems With Samples Contact:	**Send Invoice To:**	apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	**For Approval By:**	
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:**	9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/28/15	1610	GW			X	MW-13				X	X	X	X	X		X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally AMEC	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:	
SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4/28/15	RECEIVED BY PRINTED NAME: Joana Pacurar	SIGNATURE:	DATE/TIME: 4/29/15 11:00	COC/CUSTODY SEAL:
COMPANY NAME: AMEC FW			COMPANY NAME: AES			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

1504077

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	Terry Snell	**Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**	
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)	
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)	
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)	
Laboratory Project Manager:		
Nicole Jessup — **Phone** 770-457-8177 ext 246		
E-Mail njessup@aesatlanta.com		
Requested Turn Around Time:		
5-7 Business Days (Standard)		
In Case Of Problems With Samples Contact:	**Send Invoice To:**	apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	**For Approval By:**	
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:**	9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/22/15	—	GW				TB-1			X											
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom Mernally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AmEcFW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Tom Mernally	SIGNATURE:	DATE/TIME: 4/22/15 1815	RECEIVED BY PRINTED NAME: Joana Pacurar	SIGNATURE	DATE/TIME: 4/29/15 11:00
COMPANY NAME: AmEcFW			COMPANY NAME: AES		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		ICE:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project: Kentland Closure
Lab ID: 1504O77

Case Narrative

Sample Receiving Nonconformance:

Sample information on the Chain of Custody did not match that on the sample bottle labels for samples 1504O77-004A. The client wrote sample ID as "TB-1" on the COC but on the vials it is written as "TRIP BLANK-1". Samples were logged in using the information on the COC

Dissolved Organic Carbon Analysis by Method SM5310B:

Due to sample matrix, sample(s) 1504O77-001F and -002E required dilution during preparation and/or analysis resulting in elevated reporting limits.

Metals Analysis by Method 6010C:

Due to sample matrix, sample 1504O77-001C required dilution during analysis resulting in elevated reporting limits for thallium.

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-1
Project Name:	Kentland Closure	**Collection Date:**	4/28/2015 12:55:00 PM
Lab ID:	1504O77-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
1,1,2-Trichloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
1,1-Dichloroethane	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
1,1-Dichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
1,2-Dibromoethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
1,2-Dichlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
1,2-Dichloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
1,4-Dichlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
2-Butanone	BRL	10		ug/L	206698	1	04/30/2015 23:42	NP
2-Hexanone	BRL	10		ug/L	206698	1	04/30/2015 23:42	NP
4-Methyl-2-pentanone	BRL	10		ug/L	206698	1	04/30/2015 23:42	NP
Acetone	BRL	20		ug/L	206698	1	04/30/2015 23:42	NP
Benzene	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Bromodichloromethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Bromoform	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Bromomethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Carbon disulfide	BRL	5.0		ug/L	206698	1	04/30/2015 23:42	NP
Carbon tetrachloride	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
Chlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Chloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Chloroform	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Chloromethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
cis-1,2-Dichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
Cyclohexane	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
Dibromochloromethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Dichlorodifluoromethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Ethylbenzene	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
Freon-113	BRL	5.0		ug/L	206698	1	04/30/2015 23:42	NP
Isopropylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Methyl acetate	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
Methyl tert-butyl ether	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Methylene chloride	BRL	5.0		ug/L	206698	1	04/30/2015 23:42	NP
n-Butylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
n-Propylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Naphthalene	BRL	10		ug/L	206698	1	04/30/2015 23:42	NP
sec-Butylbenzene	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
Styrene	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-1
Project Name:	Kentland Closure	**Collection Date:**	4/28/2015 12:55:00 PM
Lab ID:	1504O77-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
Tetrachloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
Toluene	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
Trichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
Trichlorofluoromethane	BRL	1.0		ug/L	206698	1	04/30/2015 23:42	NP
Vinyl chloride	BRL	2.0		ug/L	206698	1	04/30/2015 23:42	NP
1,2-Dichloroethene, Total	BRL	3.0		ug/L	206698	1	04/30/2015 23:42	NP
Xylenes, Total	BRL	5.0		ug/L	206698	1	04/30/2015 23:42	NP
Surr: 4-Bromofluorobenzene	93.6	70.6-123		%REC	206698	1	04/30/2015 23:42	NP
Surr: Dibromofluoromethane	105	78.7-124		%REC	206698	1	04/30/2015 23:42	NP
Surr: Toluene-d8	103	81.3-120		%REC	206698	1	04/30/2015 23:42	NP
Sulfide by SW9030B/9034				**(SW9030B)**				
Sulfide	1.80	2.00	J	mg/L	206860	1	05/04/2015 10:00	PF
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 02:01	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 02:01	IO
Arsenic	0.0046	0.0500	J	mg/L	206740	1	05/02/2015 02:01	IO
Barium	0.0784	0.0200		mg/L	206740	1	05/02/2015 02:01	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:01	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 02:01	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:01	IO
Cobalt	BRL	0.0200		mg/L	206740	1	05/02/2015 02:01	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 02:01	IO
Iron	0.0453	0.100	J	mg/L	206740	1	05/02/2015 02:01	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 02:01	IO
Manganese	0.0563	0.0150		mg/L	206740	1	05/02/2015 02:01	IO
Nickel	BRL	0.0200		mg/L	206740	1	05/02/2015 02:01	IO
Selenium	0.0109	0.0200	J	mg/L	206740	1	05/02/2015 02:01	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 02:01	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:01	IO
Tin	BRL	0.0500		mg/L	206740	1	05/02/2015 02:01	IO
Vanadium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:01	IO
Zinc	BRL	0.0200		mg/L	206740	1	05/02/2015 02:01	IO
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	0.00009	0.00020	J	mg/L	206636	1	04/30/2015 17:51	LB
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	0.00005	0.00020	J	mg/L	206635	1	04/30/2015 16:52	LB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-1
Project Name:	Kentland Closure	**Collection Date:**	4/28/2015 12:55:00 PM
Lab ID:	1504O77-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Chloride	12	1.0		mg/L	R291117	1	04/29/2015 15:30	JW
Nitrate	BRL	0.25		mg/L	R291117	1	04/29/2015 15:30	JW
Sulfate	35	1.0		mg/L	R291117	1	04/29/2015 15:30	JW
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Ethane	BRL	9		ug/L	206714	1	05/01/2015 13:10	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 13:10	AB
Methane	12	4		ug/L	206714	1	05/01/2015 13:10	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	0.842	0.100		mg/L	R290722	1	04/29/2015 12:15	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	BRL	5.00		mg/L	R291013	5	04/30/2015 12:26	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	300	10.0		mg/L	R291172	1	05/05/2015 15:14	TL
METALS, TOTAL SW6010C				**(SW3010A)**				
Aluminum	33.5	0.200		mg/L	206767	1	05/05/2015 02:53	IO
Antimony	0.0030	0.0200	J	mg/L	206767	1	05/05/2015 02:53	IO
Arsenic	0.0252	0.0500	J	mg/L	206767	1	05/05/2015 02:53	IO
Barium	0.286	0.0200		mg/L	206767	1	05/05/2015 02:53	IO
Beryllium	0.0019	0.0100	J	mg/L	206767	1	05/05/2015 02:53	IO
Cadmium	BRL	0.0050		mg/L	206767	1	05/05/2015 02:53	IO
Chromium	0.113	0.0100		mg/L	206767	1	05/05/2015 02:53	IO
Cobalt	0.0451	0.0200		mg/L	206767	1	05/05/2015 02:53	IO
Copper	0.102	0.0100		mg/L	206767	1	05/05/2015 02:53	IO
Iron	78.0	0.100		mg/L	206767	1	05/05/2015 02:53	IO
Lead	0.0634	0.0100		mg/L	206767	1	05/05/2015 02:53	IO
Manganese	1.57	0.0150		mg/L	206767	1	05/05/2015 02:53	IO
Nickel	0.0875	0.0200		mg/L	206767	1	05/05/2015 02:53	IO
Selenium	BRL	0.0200		mg/L	206767	1	05/05/2015 02:53	IO
Silver	BRL	0.0100		mg/L	206767	1	05/05/2015 02:53	IO
Thallium	BRL	0.100		mg/L	206767	5	05/06/2015 02:06	IO
Tin	BRL	0.0500		mg/L	206767	1	05/05/2015 02:53	IO
Vanadium	0.0797	0.0100		mg/L	206767	1	05/05/2015 02:53	IO
Zinc	0.287	0.0200		mg/L	206767	1	05/05/2015 02:53	IO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-10
Project Name:	Kentland Closure	**Collection Date:**	4/28/2015 3:15:00 PM
Lab ID:	1504O77-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	0.600	2.00	J	mg/L	206860	1	05/04/2015 10:00	PF
METALS, DISSOLVED SW6010C					**(SW3005A)**			
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 02:05	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 02:05	IO
Arsenic	BRL	0.0500		mg/L	206740	1	05/02/2015 02:05	IO
Barium	0.0793	0.0200		mg/L	206740	1	05/02/2015 02:05	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:05	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 02:05	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:05	IO
Cobalt	0.0022	0.0200	J	mg/L	206740	1	05/02/2015 02:05	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 02:05	IO
Iron	0.0233	0.100	J	mg/L	206740	1	05/02/2015 02:05	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 02:05	IO
Manganese	0.402	0.0150		mg/L	206740	1	05/02/2015 02:05	IO
Nickel	0.0069	0.0200	J	mg/L	206740	1	05/02/2015 02:05	IO
Selenium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:05	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 02:05	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:05	IO
Tin	BRL	0.0500		mg/L	206740	1	05/02/2015 02:05	IO
Vanadium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:05	IO
Zinc	0.0082	0.0200	J	mg/L	206740	1	05/02/2015 02:05	IO
Mercury, Total SW7470A					**(SW7470A)**			
Mercury	0.00005	0.00020	J	mg/L	206636	1	04/30/2015 17:53	LB
Mercury, Dissolved SW7470A					**(SW7470A)**			
Mercury	0.00004	0.00020	J	mg/L	206635	1	04/30/2015 16:54	LB
ION SCAN SW9056A								
Chloride	35	10		mg/L	R291117	10	04/29/2015 19:32	JW
Nitrate	BRL	0.25		mg/L	R291117	1	04/29/2015 15:46	JW
Sulfate	60	10		mg/L	R291117	10	04/29/2015 19:32	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	206714	1	05/01/2015 13:15	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 13:15	AB
Methane	110	4		ug/L	206714	1	05/01/2015 13:15	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	0.065	0.100	J	mg/L	R290722	1	04/29/2015 12:15	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-10
Project Name:	Kentland Closure	**Collection Date:**	4/28/2015 3:15:00 PM
Lab ID:	1504O77-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	BRL	5.00		mg/L	R291013	5	04/30/2015 12:38	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	354	10.0		mg/L	R291172	1	05/05/2015 15:15	TL
METALS, TOTAL SW6010C				**(SW3010A)**				
Aluminum	0.0921	0.200	J	mg/L	206767	1	05/05/2015 02:57	IO
Antimony	BRL	0.0200		mg/L	206767	1	05/05/2015 02:57	IO
Arsenic	BRL	0.0500		mg/L	206767	1	05/05/2015 02:57	IO
Barium	0.0797	0.0200		mg/L	206767	1	05/05/2015 02:57	IO
Beryllium	BRL	0.0100		mg/L	206767	1	05/05/2015 02:57	IO
Cadmium	BRL	0.0050		mg/L	206767	1	05/05/2015 02:57	IO
Chromium	0.0012	0.0100	J	mg/L	206767	1	05/05/2015 02:57	IO
Cobalt	0.0020	0.0200	J	mg/L	206767	1	05/05/2015 02:57	IO
Copper	BRL	0.0100		mg/L	206767	1	05/05/2015 02:57	IO
Iron	0.516	0.100		mg/L	206767	1	05/05/2015 02:57	IO
Lead	BRL	0.0100		mg/L	206767	1	05/05/2015 02:57	IO
Manganese	0.739	0.0150		mg/L	206767	1	05/05/2015 02:57	IO
Nickel	0.0048	0.0200	J	mg/L	206767	1	05/05/2015 02:57	IO
Selenium	BRL	0.0200		mg/L	206767	1	05/05/2015 02:57	IO
Silver	BRL	0.0100		mg/L	206767	1	05/05/2015 02:57	IO
Thallium	BRL	0.0200		mg/L	206767	1	05/05/2015 02:57	IO
Tin	BRL	0.0500		mg/L	206767	1	05/05/2015 02:57	IO
Vanadium	BRL	0.0100		mg/L	206767	1	05/05/2015 02:57	IO
Zinc	0.0113	0.0200	J	mg/L	206767	1	05/05/2015 02:57	IO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-13
Project Name:	Kentland Closure	**Collection Date:**	4/28/2015 4:10:00 PM
Lab ID:	1504O77-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	0.600	2.00	J	mg/L	206860	1	05/04/2015 10:00	PF
METALS, DISSOLVED SW6010C					**(SW3005A)**			
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 02:09	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 02:09	IO
Arsenic	BRL	0.0500		mg/L	206740	1	05/02/2015 02:09	IO
Barium	0.0396	0.0200		mg/L	206740	1	05/02/2015 02:09	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:09	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 02:09	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:09	IO
Cobalt	0.0018	0.0200	J	mg/L	206740	1	05/02/2015 02:09	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 02:09	IO
Iron	0.0783	0.100	J	mg/L	206740	1	05/02/2015 02:09	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 02:09	IO
Manganese	0.247	0.0150		mg/L	206740	1	05/02/2015 02:09	IO
Nickel	0.0101	0.0200	J	mg/L	206740	1	05/02/2015 02:09	IO
Selenium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:09	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 02:09	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:09	IO
Tin	0.0020	0.0500	J	mg/L	206740	1	05/02/2015 02:09	IO
Vanadium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:09	IO
Zinc	0.0054	0.0200	J	mg/L	206740	1	05/02/2015 02:09	IO
Mercury, Total SW7470A					**(SW7470A)**			
Mercury	0.00006	0.00020	J	mg/L	206636	1	04/30/2015 17:55	LB
Mercury, Dissolved SW7470A					**(SW7470A)**			
Mercury	0.00009	0.00020	J	mg/L	206635	1	04/30/2015 16:56	LB
ION SCAN SW9056A								
Chloride	21	5.0		mg/L	R291117	5	04/29/2015 19:47	JW
Nitrate	BRL	0.25		mg/L	R291117	1	04/29/2015 16:01	JW
Sulfate	27	1.0		mg/L	R291117	1	04/29/2015 16:01	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	206714	1	05/01/2015 13:21	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 13:21	AB
Methane	170	4		ug/L	206714	1	05/01/2015 13:21	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290722	1	04/29/2015 12:15	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-13
Project Name:	Kentland Closure	**Collection Date:**	4/28/2015 4:10:00 PM
Lab ID:	1504O77-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	BRL	1.00		mg/L	R291013	1	04/30/2015 12:03	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	390	10.0		mg/L	R291172	1	05/05/2015 15:16	TL
METALS, TOTAL SW6010C				**(SW3010A)**				
Aluminum	0.295	0.200		mg/L	206767	1	05/05/2015 03:01	IO
Antimony	BRL	0.0200		mg/L	206767	1	05/05/2015 03:01	IO
Arsenic	BRL	0.0500		mg/L	206767	1	05/05/2015 03:01	IO
Barium	0.0407	0.0200		mg/L	206767	1	05/05/2015 03:01	IO
Beryllium	BRL	0.0100		mg/L	206767	1	05/05/2015 03:01	IO
Cadmium	BRL	0.0050		mg/L	206767	1	05/05/2015 03:01	IO
Chromium	0.0023	0.0100	J	mg/L	206767	1	05/05/2015 03:01	IO
Cobalt	0.0020	0.0200	J	mg/L	206767	1	05/05/2015 03:01	IO
Copper	BRL	0.0100		mg/L	206767	1	05/05/2015 03:01	IO
Iron	3.20	0.100		mg/L	206767	1	05/05/2015 03:01	IO
Lead	BRL	0.0100		mg/L	206767	1	05/05/2015 03:01	IO
Manganese	0.299	0.0150		mg/L	206767	1	05/05/2015 03:01	IO
Nickel	0.0134	0.0200	J	mg/L	206767	1	05/05/2015 03:01	IO
Selenium	BRL	0.0200		mg/L	206767	1	05/05/2015 03:01	IO
Silver	BRL	0.0100		mg/L	206767	1	05/05/2015 03:01	IO
Thallium	BRL	0.0200		mg/L	206767	1	05/05/2015 03:01	IO
Tin	BRL	0.0500		mg/L	206767	1	05/05/2015 03:01	IO
Vanadium	0.0006	0.0100	J	mg/L	206767	1	05/05/2015 03:01	IO
Zinc	0.0066	0.0200	J	mg/L	206767	1	05/05/2015 03:01	IO

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 9-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	TB-1
Project Name:	Kentland Closure	**Collection Date:**	4/28/2015
Lab ID:	1504O77-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
1,1,2-Trichloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
1,1-Dichloroethane	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
1,1-Dichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
1,2-Dibromoethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
1,2-Dichlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
1,2-Dichloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
1,4-Dichlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
2-Butanone	BRL	10		ug/L	206698	1	04/30/2015 22:56	NP
2-Hexanone	BRL	10		ug/L	206698	1	04/30/2015 22:56	NP
4-Methyl-2-pentanone	BRL	10		ug/L	206698	1	04/30/2015 22:56	NP
Acetone	BRL	20		ug/L	206698	1	04/30/2015 22:56	NP
Benzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Bromodichloromethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Bromoform	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Bromomethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Carbon disulfide	BRL	5.0		ug/L	206698	1	04/30/2015 22:56	NP
Carbon tetrachloride	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
Chlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Chloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Chloroform	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Chloromethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
cis-1,2-Dichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
Cyclohexane	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
Dibromochloromethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Dichlorodifluoromethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Ethylbenzene	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
Freon-113	BRL	5.0		ug/L	206698	1	04/30/2015 22:56	NP
Isopropylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Methyl acetate	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
Methyl tert-butyl ether	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Methylene chloride	BRL	5.0		ug/L	206698	1	04/30/2015 22:56	NP
n-Butylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
n-Propylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Naphthalene	BRL	10		ug/L	206698	1	04/30/2015 22:56	NP
sec-Butylbenzene	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
Styrene	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	TB-1
Project Name:	Kentland Closure	**Collection Date:**	4/28/2015
Lab ID:	1504O77-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
Tetrachloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
Toluene	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
Trichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
Trichlorofluoromethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:56	NP
Vinyl chloride	BRL	2.0		ug/L	206698	1	04/30/2015 22:56	NP
1,2-Dichloroethene, Total	BRL	3.0		ug/L	206698	1	04/30/2015 22:56	NP
Xylenes, Total	BRL	5.0		ug/L	206698	1	04/30/2015 22:56	NP
Surr: 4-Bromofluorobenzene	93.7	70.6-123		%REC	206698	1	04/30/2015 22:56	NP
Surr: Dibromofluoromethane	104	78.7-124		%REC	206698	1	04/30/2015 22:56	NP
Surr: Toluene-d8	103	81.3-120		%REC	206698	1	04/30/2015 22:56	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Bonnell Work Order Number 1504077

Checklist completed by Tanya Delios 4/28/15
Signature Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Container/Temp Blank temperature in compliance? (0°≤6°C)*	Yes ✓	No __	

Cooler #1 3.8 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present?	Yes ✓	No __
Chain of custody signed when relinquished and received?	Yes ✓	No __
Chain of custody agrees with sample labels?	Yes __	No ✓
Samples in proper container/bottle?	Yes ✓	No __
Sample containers intact?	Yes ✓	No __
Sufficient sample volume for indicated test?	Yes ✓	No __
All samples received within holding time?	Yes ✓	No __
Was TAT marked on the COC?	Yes ✓	No __
Proceed with Standard TAT as per project history?	Yes __	No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes __ No ✓ Not Applicable __

Adjusted? Tanya Checked by Tanya

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **206635**

Sample ID: **MB-206635** Client ID: Units: **mg/L** Prep Date: **04/30/2015** Run No: **290935**
SampleType: **MBLK** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206635** Analysis Date: **04/30/2015** Seq No: **6189306**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-206635** Client ID: Units: **mg/L** Prep Date: **04/30/2015** Run No: **290935**
SampleType: **LCS** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206635** Analysis Date: **04/30/2015** Seq No: **6189307**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004858	0.00020	0.0050	0.00004223	96.3	80	120				

Sample ID: **1504L67-017CMS** Client ID: Units: **mg/L** Prep Date: **04/30/2015** Run No: **290935**
SampleType: **MS** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206635** Analysis Date: **04/30/2015** Seq No: **6189309**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004059	0.00020	0.0050	0.00003692	80.4	70	130				

Sample ID: **1504L67-017CMSD** Client ID: Units: **mg/L** Prep Date: **04/30/2015** Run No: **290935**
SampleType: **MSD** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206635** Analysis Date: **04/30/2015** Seq No: **6189325**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.003592	0.00020	0.0050	0.00003692	71.1	70	130	0.004059	12.2	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: 206636

Sample ID: **MB-206636** Client ID: Units: **mg/L** Prep Date: **04/30/2015** Run No: **290937**
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A** BatchID: **206636** Analysis Date: **04/30/2015** Seq No: **6189355**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-206636** Client ID: Units: **mg/L** Prep Date: **04/30/2015** Run No: **290937**
SampleType: **LCS** TestCode: **Mercury, Total SW7470A** BatchID: **206636** Analysis Date: **04/30/2015** Seq No: **6189356**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005085	0.00020	0.0050	0.00004844	101	80	120				

Sample ID: **1504O11-005BMS** Client ID: Units: **mg/L** Prep Date: **04/30/2015** Run No: **290937**
SampleType: **MS** TestCode: **Mercury, Total SW7470A** BatchID: **206636** Analysis Date: **04/30/2015** Seq No: **6189358**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004865	0.00020	0.0050	0.00004738	96.4	70	130				

Sample ID: **1504O11-005BMSD** Client ID: Units: **mg/L** Prep Date: **04/30/2015** Run No: **290937**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **206636** Analysis Date: **04/30/2015** Seq No: **6189359**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004896	0.00020	0.0050	0.00004738	97.0	70	130	0.004865	0.644	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: 206698

Sample ID: **MB-206698** Client ID: Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **04/30/2015** Seq No: **6189017**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2,4-Trimethylbenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloroethene, Total	BRL	3.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **206698**

Sample ID: **MB-206698** Client ID: Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **04/30/2015** Seq No: **6189017**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylene chloride	BRL	5.0									
n-Butylbenzene	BRL	1.0									
n-Propylbenzene	BRL	1.0									
Naphthalene	BRL	5.0									
sec-Butylbenzene	BRL	2.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	47.89	0	50.00		95.8	70.6	123				
Surr: Dibromofluoromethane	50.92	0	50.00		102	78.7	124				
Surr: Toluene-d8	51.36	0	50.00		103	81.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: 206698

Sample ID: **LCS-206698** Client ID: Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **04/30/2015** Seq No: **6189016**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.30	2.0	50.00		115	64.2	137				
Benzene	50.19	1.0	50.00		100	72.8	128				
Chlorobenzene	45.77	1.0	50.00		91.5	72.3	126				
Toluene	46.47	1.0	50.00		92.9	74.9	127				
Trichloroethene	49.44	1.0	50.00		98.9	70.5	134				
Surr: 4-Bromofluorobenzene	47.73	0	50.00		95.5	70.6	123				
Surr: Dibromofluoromethane	50.14	0	50.00		100	78.7	124				
Surr: Toluene-d8	49.81	0	50.00		99.6	81.3	120				

Sample ID: **1504O77-001AMS** Client ID: **MW-1** Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **05/01/2015** Seq No: **6189024**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	62.50	2.0	50.00		125	60.5	156				
Benzene	49.57	1.0	50.00		99.1	70	135				
Chlorobenzene	40.25	1.0	50.00		80.5	70.5	132				
Toluene	44.21	1.0	50.00		88.4	70.5	137				
Trichloroethene	47.08	1.0	50.00		94.2	71.8	139				
Surr: 4-Bromofluorobenzene	46.38	0	50.00		92.8	70.6	123				
Surr: Dibromofluoromethane	50.19	0	50.00		100	78.7	124				
Surr: Toluene-d8	51.18	0	50.00		102	81.3	120				

Sample ID: **1504O77-001AMSD** Client ID: **MW-1** Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **05/01/2015** Seq No: **6189025**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	58.30	2.0	50.00		117	60.5	156	62.50	6.95	20	
Benzene	48.41	1.0	50.00		96.8	70	135	49.57	2.37	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **206698**

Sample ID: **1504O77-001AMSD** Client ID: **MW-1** Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **05/01/2015** Seq No: **6189025**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	38.49	1.0	50.00		77.0	70.5	132	40.25	4.47	20	
Toluene	42.07	1.0	50.00		84.1	70.5	137	44.21	4.96	20	
Trichloroethene	44.09	1.0	50.00		88.2	71.8	139	47.08	6.56	20	
Surr: 4-Bromofluorobenzene	46.73	0	50.00		93.5	70.6	123	46.38	0	0	
Surr: Dibromofluoromethane	50.45	0	50.00		101	78.7	124	50.19	0	0	
Surr: Toluene-d8	50.64	0	50.00		101	81.3	120	51.18	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: 206714

Sample ID: **MB-206714** Client ID: Units: **ug/L** Prep Date: **05/01/2015** Run No: **291019**
SampleType: **MBLK** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **206714** Analysis Date: **05/01/2015** Seq No: **6190959**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	BRL	9									
Ethylene	BRL	7									
Methane	BRL	4									

Sample ID: **LCS-206714** Client ID: Units: **ug/L** Prep Date: **05/01/2015** Run No: **291019**
SampleType: **LCS** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **206714** Analysis Date: **05/01/2015** Seq No: **6190960**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	129.3	9	200.0		64.7	41.2	115				
Ethylene	83.90	7	200.0		41.9	26.5	115				
Methane	140.2	4	200.0		70.1	45.1	115				

Sample ID: **LCSD-206714** Client ID: Units: **ug/L** Prep Date: **05/01/2015** Run No: **291019**
SampleType: **LCSD** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **206714** Analysis Date: **05/01/2015** Seq No: **6190961**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	119.0	9	200.0		59.5	41.2	115	129.3	8.33	20	
Ethylene	77.60	7	200.0		38.8	26.5	115	83.90	7.80	20	
Methane	128.9	4	200.0		64.5	45.1	115	140.2	8.36	20	

Sample ID: **1504N30-010KMS** Client ID: Units: **ug/L** Prep Date: **05/01/2015** Run No: **291019**
SampleType: **MS** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **206714** Analysis Date: **05/01/2015** Seq No: **6190986**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	112.7	9	200.0		56.3	40.5	115				
Ethylene	74.18	7	200.0		37.1	25.1	115				
Methane	116.6	4	200.0		58.3	40.4	115				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **206714**

Sample ID: **1504N30-010KMSD** Client ID: Units: **ug/L** Prep Date: **05/01/2015** Run No: **291019**
SampleType: **MSD** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **206714** Analysis Date: **05/01/2015** Seq No: **6190987**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	111.0	9	200.0		55.5	40.5	115	112.7	1.49	20	
Ethylene	72.66	7	200.0		36.3	25.1	115	74.18	2.07	20	
Methane	114.4	4	200.0		57.2	40.4	115	116.6	1.94	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: 206740

Sample ID: **MB-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MBLK** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193034**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200									
Antimony	BRL	0.0200									
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Beryllium	BRL	0.0100									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Iron	BRL	0.100									
Lead	BRL	0.0100									
Manganese	BRL	0.0150									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									
Thallium	BRL	0.0200									
Tin	BRL	0.0500									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193035**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.792	0.200	10.00		97.9	80	120				
Antimony	0.9878	0.0200	1.000		98.8	80	120				
Arsenic	0.9402	0.0500	1.000		94.0	80	120				
Barium	0.9771	0.0200	1.000		97.7	80	120				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **206740**

Sample ID: **LCS-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193035**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium	0.9705	0.0100	1.000		97.0	80	120				
Cadmium	0.9746	0.0050	1.000		97.5	80	120				
Chromium	0.9350	0.0100	1.000		93.5	80	120				
Cobalt	0.9670	0.0200	1.000		96.7	80	120				
Copper	0.9586	0.0100	1.000		95.9	80	120				
Iron	9.633	0.100	10.00	0.01503	96.2	80	120				
Lead	0.9612	0.0100	1.000		96.1	80	120				
Manganese	0.9761	0.0150	1.000	0.005733	97.0	80	120				
Nickel	0.9699	0.0200	1.000		97.0	80	120				
Selenium	0.8514	0.0200	1.000		85.1	80	120				
Silver	0.09727	0.0100	0.1000		97.3	80	120				
Thallium	0.9776	0.0200	1.000		97.8	80	120				
Tin	0.9388	0.0500	1.000		93.9	80	120				
Vanadium	0.9684	0.0100	1.000		96.8	80	120				
Zinc	0.9766	0.0200	1.000		97.7	80	120				

Sample ID: **1504O40-001BMS** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.615	0.200	10.00		96.2	75	125				
Antimony	0.9777	0.0200	1.000		97.8	75	125				
Arsenic	0.9386	0.0500	1.000	0.003312	93.5	75	125				
Barium	1.027	0.0200	1.000	0.06964	95.7	75	125				
Beryllium	0.9528	0.0100	1.000		95.3	75	125				
Cadmium	0.9585	0.0050	1.000		95.9	75	125				
Chromium	0.9438	0.0100	1.000	0.002112	94.2	75	125				
Cobalt	0.9989	0.0200	1.000	0.05399	94.5	75	125				

Qualifiers:
- > Greater than Result value
- BRL Below reporting limit
- J Estimated value detected below Reporting Limit
- Rpt Lim Reporting Limit
- < Less than Result value
- E Estimated (value above quantitation range)
- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix
- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: 206740

Sample ID: **1504O40-001BMS** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Copper	0.9519	0.0100	1.000		95.2	75	125				
Iron	9.598	0.100	10.00	0.05247	95.5	75	125				
Lead	0.9391	0.0100	1.000	0.002573	93.7	75	125				
Manganese	9.332	0.0150	1.000	8.934	39.8	75	125				S
Nickel	0.9533	0.0200	1.000	0.004755	94.9	75	125				
Selenium	0.8626	0.0200	1.000	0.02796	83.5	75	125				
Silver	0.09541	0.0100	0.1000		95.4	75	125				
Thallium	0.9637	0.0200	1.000		96.4	75	125				
Tin	0.9218	0.0500	1.000	0.005259	91.7	75	125				
Vanadium	0.9547	0.0100	1.000		95.5	75	125				
Zinc	0.9630	0.0200	1.000	0.01174	95.1	75	125				

Sample ID: **1504O40-001BMSD** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MSD** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.693	0.200	10.00		96.9	75	125	9.615	0.804	20	
Antimony	0.9802	0.0200	1.000		98.0	75	125	0.9777	0.247	20	
Arsenic	0.9530	0.0500	1.000	0.003312	95.0	75	125	0.9386	1.52	20	
Barium	1.031	0.0200	1.000	0.06964	96.1	75	125	1.027	0.374	20	
Beryllium	0.9648	0.0100	1.000		96.5	75	125	0.9528	1.24	20	
Cadmium	0.9660	0.0050	1.000		96.6	75	125	0.9585	0.778	20	
Chromium	0.9508	0.0100	1.000	0.002112	94.9	75	125	0.9438	0.740	20	
Cobalt	1.004	0.0200	1.000	0.05399	95.0	75	125	0.9989	0.551	20	
Copper	0.9612	0.0100	1.000		96.1	75	125	0.9519	0.971	20	
Iron	9.585	0.100	10.00	0.05247	95.3	75	125	9.598	0.129	20	
Lead	0.9447	0.0100	1.000	0.002573	94.2	75	125	0.9391	0.593	20	
Manganese	9.275	0.0150	1.000	8.934	34.1	75	125	9.332	0.619	20	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **206740**

Sample ID: **1504O40-001BMSD** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MSD** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nickel	0.9575	0.0200	1.000	0.004755	95.3	75	125	0.9533	0.431	20	
Selenium	0.8995	0.0200	1.000	0.02796	87.2	75	125	0.8626	4.18	20	
Silver	0.09614	0.0100	0.1000		96.1	75	125	0.09541	0.762	20	
Thallium	0.9672	0.0200	1.000		96.7	75	125	0.9637	0.357	20	
Tin	0.9267	0.0500	1.000	0.005259	92.1	75	125	0.9218	0.526	20	
Vanadium	0.9606	0.0100	1.000		96.1	75	125	0.9547	0.617	20	
Zinc	0.9683	0.0200	1.000	0.01174	95.7	75	125	0.9630	0.542	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **206767**

Sample ID: **MB-206767** Client ID: Units: **mg/L** Prep Date: **05/02/2015** Run No: **291133**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206767** Analysis Date: **05/05/2015** Seq No: **6193900**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200									
Antimony	BRL	0.0200									
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Beryllium	BRL	0.0100									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Iron	BRL	0.100									
Lead	BRL	0.0100									
Manganese	BRL	0.0150									
Nickel	BRL	0.0200									
Silver	BRL	0.0100									
Thallium	BRL	0.0200									
Tin	BRL	0.0500									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **MB-206767** Client ID: Units: **mg/L** Prep Date: **05/02/2015** Run No: **291133**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206767** Analysis Date: **05/06/2015** Seq No: **6195936**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Selenium	BRL	0.0200									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **206767**

Sample ID: **LCS-206767** Client ID: Units: **mg/L** Prep Date: **05/02/2015** Run No: **291133**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206767** Analysis Date: **05/05/2015** Seq No: **6193901**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	10.26	0.200	10.00		103	80	120				
Antimony	1.046	0.0200	1.000		105	80	120				
Arsenic	1.034	0.0500	1.000		103	80	120				
Barium	1.031	0.0200	1.000		103	80	120				
Beryllium	1.030	0.0100	1.000		103	80	120				
Cadmium	1.031	0.0050	1.000		103	80	120				
Chromium	1.022	0.0100	1.000		102	80	120				
Cobalt	1.027	0.0200	1.000		103	80	120				
Copper	1.034	0.0100	1.000		103	80	120				
Iron	10.27	0.100	10.00		103	80	120				
Lead	1.015	0.0100	1.000		102	80	120				
Manganese	1.030	0.0150	1.000		103	80	120				
Nickel	1.025	0.0200	1.000		102	80	120				
Selenium	1.017	0.0200	1.000		102	80	120				
Silver	0.1026	0.0100	0.1000		103	80	120				
Thallium	1.026	0.0200	1.000		103	80	120				
Tin	1.022	0.0500	1.000		102	80	120				
Vanadium	1.029	0.0100	1.000		103	80	120				
Zinc	1.017	0.0200	1.000		102	80	120				

Sample ID: **1504O29-001CMS** Client ID: Units: **mg/L** Prep Date: **05/02/2015** Run No: **291133**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206767** Analysis Date: **05/05/2015** Seq No: **6193905**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	16.78	0.200	10.00	5.237	115	75	125				
Antimony	1.036	0.0200	1.000		104	75	125				
Arsenic	1.058	0.0500	1.000		106	75	125				
Barium	1.071	0.0200	1.000	0.03829	103	75	125				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: 206767

Sample ID: **1504O29-001CMS** Client ID: Units: **mg/L** Prep Date: **05/02/2015** Run No: **291133**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **206767** Analysis Date: **05/05/2015** Seq No: **6193905**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium	1.031	0.0100	1.000	0.0004140	103	75	125				
Cadmium	1.039	0.0050	1.000		104	75	125				
Chromium	1.035	0.0100	1.000	0.008193	103	75	125				
Cobalt	1.025	0.0200	1.000	0.003101	102	75	125				
Copper	1.049	0.0100	1.000	0.005076	104	75	125				
Iron	20.77	0.100	10.00	11.95	88.2	75	125				
Lead	1.022	0.0100	1.000	0.01209	101	75	125				
Manganese	1.477	0.0150	1.000	0.4405	104	75	125				
Nickel	1.008	0.0200	1.000	0.003078	101	75	125				
Selenium	1.034	0.0200	1.000	0.02800	101	75	125				
Silver	0.1035	0.0100	0.1000		104	75	125				
Thallium	1.035	0.0200	1.000		103	75	125				
Tin	1.018	0.0500	1.000		102	75	125				
Vanadium	1.049	0.0100	1.000	0.005782	104	75	125				
Zinc	1.032	0.0200	1.000	0.01208	102	75	125				

Sample ID: **1504O29-001CMSD** Client ID: Units: **mg/L** Prep Date: **05/02/2015** Run No: **291133**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **206767** Analysis Date: **05/05/2015** Seq No: **6193908**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	16.40	0.200	10.00	5.237	112	75	125	16.78	2.30	20	
Antimony	1.001	0.0200	1.000		100	75	125	1.036	3.40	20	
Arsenic	1.031	0.0500	1.000		103	75	125	1.058	2.51	20	
Barium	1.039	0.0200	1.000	0.03829	100	75	125	1.071	3.10	20	
Beryllium	0.9997	0.0100	1.000	0.0004140	99.9	75	125	1.031	3.07	20	
Cadmium	1.008	0.0050	1.000		101	75	125	1.039	3.01	20	
Chromium	1.002	0.0100	1.000	0.008193	99.4	75	125	1.035	3.22	20	
Cobalt	0.9936	0.0200	1.000	0.003101	99.0	75	125	1.025	3.14	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **206767**

Sample ID: **1504O29-001CMSD** Client ID: Units: **mg/L** Prep Date: **05/02/2015** Run No: **291133**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **206767** Analysis Date: **05/05/2015** Seq No: **6193908**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Copper	1.014	0.0100	1.000	0.005076	101	75	125	1.049	3.37	20	
Iron	20.15	0.100	10.00	11.95	82.0	75	125	20.77	3.02	20	
Lead	0.9880	0.0100	1.000	0.01209	97.6	75	125	1.022	3.42	20	
Manganese	1.429	0.0150	1.000	0.4405	98.8	75	125	1.477	3.33	20	
Nickel	0.9765	0.0200	1.000	0.003078	97.3	75	125	1.008	3.19	20	
Selenium	1.026	0.0200	1.000	0.02800	99.8	75	125	1.034	0.683	20	
Silver	0.1003	0.0100	0.1000		100	75	125	0.1035	3.14	20	
Thallium	0.9971	0.0200	1.000		99.7	75	125	1.035	3.70	20	
Tin	0.9870	0.0500	1.000		98.7	75	125	1.018	3.14	20	
Vanadium	1.014	0.0100	1.000	0.005782	101	75	125	1.049	3.33	20	
Zinc	0.9980	0.0200	1.000	0.01208	98.6	75	125	1.032	3.39	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **206860**

Sample ID: **MB-206860** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291123**
SampleType: **MBLK** TestCode: **Sulfide by SW9030B/9034** BatchID: **206860** Analysis Date: **05/04/2015** Seq No: **6193565**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	BRL	2.00									

Sample ID: **1504N30-009DMS** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291123**
SampleType: **MS** TestCode: **Sulfide by SW9030B/9034** BatchID: **206860** Analysis Date: **05/04/2015** Seq No: **6193579**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	15.00	2.00	15.80		94.9	73.7	120				

Sample ID: **1504N30-009DMSD** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291123**
SampleType: **MSD** TestCode: **Sulfide by SW9030B/9034** BatchID: **206860** Analysis Date: **05/04/2015** Seq No: **6193580**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	15.20	2.00	15.80		96.2	73.7	120	15.00	1.32	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **R290722**

Sample ID: **MB-R290722** Client ID: Units: **mg/L** Prep Date: Run No: **290722**
SampleType: **MBLK** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290722** Analysis Date: **04/28/2015** Seq No: **6183387**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	BRL	0.100									

Sample ID: **LCS-R290722** Client ID: Units: **mg/L** Prep Date: Run No: **290722**
SampleType: **LCS** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290722** Analysis Date: **04/28/2015** Seq No: **6183388**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.4999	0.100	0.5000		100.0	85	115				

Sample ID: **1504N30-010JMS** Client ID: Units: **mg/L** Prep Date: Run No: **290722**
SampleType: **MS** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290722** Analysis Date: **04/28/2015** Seq No: **6183393**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.4814	0.100	0.5000		96.3	80	120				H

Sample ID: **1504N30-010JMSD** Client ID: Units: **mg/L** Prep Date: Run No: **290722**
SampleType: **MSD** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290722** Analysis Date: **04/28/2015** Seq No: **6183394**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.4893	0.100	0.5000		97.9	80	120	0.4814	1.63	30	H

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **R291013**

Sample ID: **MB-R291013** Client ID: Units: **mg/L** Prep Date: Run No: **291013**
SampleType: **MBLK** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291013** Analysis Date: **04/30/2015** Seq No: **6190824**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	BRL	1.00									

Sample ID: **LCS-R291013** Client ID: Units: **mg/L** Prep Date: Run No: **291013**
SampleType: **LCS** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291013** Analysis Date: **04/30/2015** Seq No: **6190823**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	23.22	1.00	25.00		92.9	90	110				

Sample ID: **1504P73-005CMS** Client ID: Units: **mg/L** Prep Date: Run No: **291013**
SampleType: **MS** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291013** Analysis Date: **05/01/2015** Seq No: **6190848**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	22.79	1.00	25.00	2.358	81.7	80	120				

Sample ID: **1504P73-005CMSD** Client ID: Units: **mg/L** Prep Date: Run No: **291013**
SampleType: **MSD** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291013** Analysis Date: **05/01/2015** Seq No: **6190849**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	23.84	1.00	25.00	2.358	85.9	80	120	22.79	4.50	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **R291117**

Sample ID: **MB-R291117** Client ID: Units: **mg/L** Prep Date: Run No: **291117**
SampleType: **MBLK** TestCode: **ION SCAN SW9056A** BatchID: **R291117** Analysis Date: **04/29/2015** Seq No: **6193468**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	BRL	1.0									
Nitrate	BRL	0.25									
Sulfate	BRL	1.0									

Sample ID: **LCS-R291117** Client ID: Units: **mg/L** Prep Date: Run No: **291117**
SampleType: **LCS** TestCode: **ION SCAN SW9056A** BatchID: **R291117** Analysis Date: **04/29/2015** Seq No: **6193467**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	4.893	1.0	5.000		97.9	90	110				
Nitrate	4.817	0.25	5.000		96.3	90	110				
Sulfate	24.61	1.0	25.00		98.4	90	110				

Sample ID: **1504P00-002BMS** Client ID: Units: **mg/L** Prep Date: Run No: **291117**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R291117** Analysis Date: **04/29/2015** Seq No: **6193478**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	84.62	10	50.00	39.40	90.4	90	110				
Nitrate	50.27	2.5	50.00		101	90	110				
Sulfate	290.4	10	250.0	36.06	102	90	110				

Sample ID: **1504P01-002BMS** Client ID: Units: **mg/L** Prep Date: Run No: **291117**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R291117** Analysis Date: **04/29/2015** Seq No: **6193476**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	84.87	10	50.00	36.64	96.5	90	110				
Nitrate	51.78	2.5	50.00	2.236	99.1	90	110				
Sulfate	286.1	10	250.0	26.53	104	90	110				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **R291117**

Sample ID: **1504P01-002BMSD** Client ID: Units: **mg/L** Prep Date: Run No: **291117**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R291117** Analysis Date: **04/29/2015** Seq No: **6193477**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	83.87	10	50.00	36.64	94.5	90	110	84.87	1.18	20	
Nitrate	51.29	2.5	50.00	2.236	98.1	90	110	51.78	0.948	20	
Sulfate	273.0	10	250.0	26.53	98.6	90	110	286.1	4.70	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504O77

ANALYTICAL QC SUMMARY REPORT

BatchID: **R291172**

Sample ID: **MB-R291172** Client ID: Units: **mg/L** Prep Date: Run No: **291172**
SampleType: **MBLK** TestCode: **Alkalinity E310.2** BatchID: **R291172** Analysis Date: **05/05/2015** Seq No: **6194656**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	BRL	10.0									

Sample ID: **LCS-R291172** Client ID: Units: **mg/L** Prep Date: Run No: **291172**
SampleType: **LCS** TestCode: **Alkalinity E310.2** BatchID: **R291172** Analysis Date: **05/05/2015** Seq No: **6194657**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	242.0	10.0	250.0	9.180	93.1	90	110				

Sample ID: **1505002-001CDUP** Client ID: Units: **mg/L** Prep Date: Run No: **291172**
SampleType: **DUP** TestCode: **Alkalinity E310.2** BatchID: **R291172** Analysis Date: **05/05/2015** Seq No: **6194763**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	355.0	10.0						351.0	1.13	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 09, 2015

Terry D. Snell
Bon L Manufacturing Co.
25 Bonnell St
Newnan GA 30263

TEL: (770) 253-2020
FAX: (770) 254-7711

RE:

Dear Terry D. Snell: Order No: 1504O98

Analytical Environmental Services, Inc. received 1 samples on April 29, 2015 11:00 am for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Nicole Jessup
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

1504098 Work Order: 9.2070.25

Date: 4-23-15 Page 1 of 1

COMPANY: Bon L MFG CO. 508 W. Wilson St. Kentland, IN 47951

ADDRESS:

PHONE: 309-253-2169

FAX:

SAMPLED BY: Tom Merally

SIGNATURE:

ANALYSIS REQUESTED: VOCs 8260b

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	VOCs 8260b	PRESERVATION (See codes)	REMARKS	No # of Containers
1	Equip. blank (EB-1)	4/23/15	1715	X			X			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1:	4/23/15 1815	1: Joana Pacurar	4/24/15 1100
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER_____

PROJECT INFORMATION
PROJECT NAME:
PROJECT #:
SITE ADDRESS:
SEND REPORT TO:
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #:_____ PO#:_____

RECEIPT
Total # of Containers

Turnaround Time Request
- Standard 5 Business Days
- 2 Business Day Rush
- Next Business Day Rush
- Same Day Rush (auth req.)
- Other _____

STATE PROGRAM (if any): _____
E-mail? Y / N: Fax? Y / N
DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 9-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	EQUIPMENT BLANK (EB-1)
Project Name:		**Collection Date:**	4/28/2015 5:15:00 PM
Lab ID:	1504O98-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	**SW8260B**				**(SW5030B)**			
1,1,1-Trichloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
1,1,2-Trichloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
1,1-Dichloroethane	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
1,1-Dichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
1,2-Dibromoethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
1,2-Dichlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
1,2-Dichloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
1,4-Dichlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
2-Butanone	BRL	10		ug/L	206698	1	04/30/2015 22:33	NP
2-Hexanone	BRL	10		ug/L	206698	1	04/30/2015 22:33	NP
4-Methyl-2-pentanone	BRL	10		ug/L	206698	1	04/30/2015 22:33	NP
Acetone	BRL	20		ug/L	206698	1	04/30/2015 22:33	NP
Benzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Bromodichloromethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Bromoform	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Bromomethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Carbon disulfide	BRL	5.0		ug/L	206698	1	04/30/2015 22:33	NP
Carbon tetrachloride	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
Chlorobenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Chloroethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Chloroform	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Chloromethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
cis-1,2-Dichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
Cyclohexane	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
Dibromochloromethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Dichlorodifluoromethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Ethylbenzene	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
Freon-113	BRL	5.0		ug/L	206698	1	04/30/2015 22:33	NP
Isopropylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Methyl acetate	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
Methyl tert-butyl ether	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Methylene chloride	BRL	5.0		ug/L	206698	1	04/30/2015 22:33	NP
n-Butylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
n-Propylbenzene	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Naphthalene	BRL	10		ug/L	206698	1	04/30/2015 22:33	NP
sec-Butylbenzene	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
Styrene	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	EQUIPMENT BLANK (EB-1)
Project Name:		**Collection Date:**	4/28/2015 5:15:00 PM
Lab ID:	1504O98-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
Tetrachloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
Toluene	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
Trichloroethene	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
Trichlorofluoromethane	BRL	1.0		ug/L	206698	1	04/30/2015 22:33	NP
Vinyl chloride	BRL	2.0		ug/L	206698	1	04/30/2015 22:33	NP
1,2-Dichloroethene, Total	BRL	3.0		ug/L	206698	1	04/30/2015 22:33	NP
Xylenes, Total	BRL	5.0		ug/L	206698	1	04/30/2015 22:33	NP
Surr: 4-Bromofluorobenzene	92.7	70.6-123		%REC	206698	1	04/30/2015 22:33	NP
Surr: Dibromofluoromethane	102	78.7-124		%REC	206698	1	04/30/2015 22:33	NP
Surr: Toluene-d8	101	81.3-120		%REC	206698	1	04/30/2015 22:33	NP

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client BonL Work Order Number 1504098

Checklist completed by Tanya Delisa 4/29/15
Signature Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.8 Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes __ No ✓

Proceed with Standard TAT as per project history? Yes ✓ No __ Not Applicable __

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project Name:
Workorder: 1504O98

ANALYTICAL QC SUMMARY REPORT

BatchID: **206698**

Sample ID: **MB-206698** Client ID: Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **04/30/2015** Seq No: **6189017**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2,4-Trimethylbenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloroethene, Total	BRL	3.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name:
Workorder: 1504O98

ANALYTICAL QC SUMMARY REPORT

BatchID: **206698**

Sample ID: **MB-206698** Client ID: Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **04/30/2015** Seq No: **6189017**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylene chloride	BRL	5.0									
n-Butylbenzene	BRL	1.0									
n-Propylbenzene	BRL	1.0									
Naphthalene	BRL	5.0									
sec-Butylbenzene	BRL	2.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	47.89	0	50.00		95.8	70.6	123				
Surr: Dibromofluoromethane	50.92	0	50.00		102	78.7	124				
Surr: Toluene-d8	51.36	0	50.00		103	81.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name:
Workorder: 1504O98

ANALYTICAL QC SUMMARY REPORT

BatchID: **206698**

Sample ID: **LCS-206698** Client ID: Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **04/30/2015** Seq No: **6189016**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.30	2.0	50.00		115	64.2	137				
Benzene	50.19	1.0	50.00		100	72.8	128				
Chlorobenzene	45.77	1.0	50.00		91.5	72.3	126				
Toluene	46.47	1.0	50.00		92.9	74.9	127				
Trichloroethene	49.44	1.0	50.00		98.9	70.5	134				
Surr: 4-Bromofluorobenzene	47.73	0	50.00		95.5	70.6	123				
Surr: Dibromofluoromethane	50.14	0	50.00		100	78.7	124				
Surr: Toluene-d8	49.81	0	50.00		99.6	81.3	120				

Sample ID: **1504O77-001AMS** Client ID: Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **05/01/2015** Seq No: **6189024**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	62.50	2.0	50.00		125	60.5	156				
Benzene	49.57	1.0	50.00		99.1	70	135				
Chlorobenzene	40.25	1.0	50.00		80.5	70.5	132				
Toluene	44.21	1.0	50.00		88.4	70.5	137				
Trichloroethene	47.08	1.0	50.00		94.2	71.8	139				
Surr: 4-Bromofluorobenzene	46.38	0	50.00		92.8	70.6	123				
Surr: Dibromofluoromethane	50.19	0	50.00		100	78.7	124				
Surr: Toluene-d8	51.18	0	50.00		102	81.3	120				

Sample ID: **1504O77-001AMSD** Client ID: Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **05/01/2015** Seq No: **6189025**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	58.30	2.0	50.00		117	60.5	156	62.50	6.95	20	
Benzene	48.41	1.0	50.00		96.8	70	135	49.57	2.37	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project Name:
Workorder: 1504O98

ANALYTICAL QC SUMMARY REPORT

BatchID: **206698**

Sample ID: **1504O77-001AMSD** Client ID: Units: **ug/L** Prep Date: **04/30/2015** Run No: **290929**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206698** Analysis Date: **05/01/2015** Seq No: **6189025**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	38.49	1.0	50.00		77.0	70.5	132	40.25	4.47	20	
Toluene	42.07	1.0	50.00		84.1	70.5	137	44.21	4.96	20	
Trichloroethene	44.09	1.0	50.00		88.2	71.8	139	47.08	6.56	20	
Surr: 4-Bromofluorobenzene	46.73	0	50.00		93.5	70.6	123	46.38	0	0	
Surr: Dibromofluoromethane	50.45	0	50.00		101	78.7	124	50.19	0	0	
Surr: Toluene-d8	50.64	0	50.00		101	81.3	120	51.18	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 21, 2015

Terry D. Snell
Bon L Manufacturing Co.
25 Bonnell St
Newnan GA 30263

TEL: (770) 253-2020
FAX: (770) 254-7711

RE: Kentland Closure

Dear Terry D. Snell: Order No: 1504P73

Analytical Environmental Services, Inc. received 11 samples on 4/30/2015 8:00:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Nicole Jessup
Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

1504P73

Project:	Kentland Closure	Project No.		Bon L Project Contact	Terry Snell	Phone: 404-431-0028	E-Mail: tdsnell@bonlalum.com

Laboratory Name and Address:	E-Mail Reports To Bon L Project Contact and:
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup — Phone 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	**For Approval By:**
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/29	1255	GW			X	MW-12			X	X	X	X	X	X		X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
Tom McNally					
COMPANY NAME: AMEC FW		COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	COC/CUSTODY SEAL:
Tom McNally		4/29/15 1820			4/30/15 8:00AM	F
COMPANY NAME: AMEC FW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:	TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #: / SAMPLE CONDITION:
INTO LIMS:		Reviewed:		

1504P73

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure **Project No.** **Bon L Project Contact** Terry Snell **Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:
Analytical Enviornmental Services
3785 Presidential Parkway
Atlanta, GA 30340

Laboratory Project Manager:
Nicole Jessup **Phone** 770-457-8177 ext 246
E-Mail njessup@aesatlanta.com

Requested Turn Around Time:
5-7 Business Days (Standard)

In Case Of Problems With Samples Contact:
Terry Snell (C: 404-431-0028)
Leslie Miller (O: 770-421-3321 C: 678-778-7214)

E-Mail Reports To Bon L Project Contact and:
Terry Snell (tdsnell@bonlalum.com)
Michael LaPrade (michael.laprade@amecfw.com)
Leslie Miller (leslie.miller@amecfw.com)

Send Invoice To: apinvoices@bonlalum.com
For Approval By:
PO # Or Billing Code: 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/29	1115	GW			X	MW-20			X	X	X	X	X	X		X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom Minally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:	
SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Tom Minally	SIGNATURE:	DATE/TIME: 4/29/15 1820	RECEIVED BY PRINTED NAME:	SIGNATURE:	DATE/TIME: 4/30/15 8:00AM	COC/CUSTODY SEAL:
COMPANY NAME: AMEC FW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:			TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:		COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:				

1504173

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**	**Bon L Project Contact**	Terry Snell **Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup — **Phone** 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/29	0850	GW			X	MW-14			X			X	X	X	X	X	X	X		
Preservation Used: 1=Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

ANALYSIS REQUESTED

FOR LAB USE ONLY
LAB #:
QUOTE #:

***MATRIX CODES:**

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:	
SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4/29/15 1820	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 4/30/15 8:00AM	COC/CUSTODY SEAL:
COMPANY NAME: AMEC FW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:			TEMPERATURE:
CUSTODY INTACT YES NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:		COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:				

*1504PTB

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**	**Bon L Project Contact**	Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**	
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)	
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)	
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)	
Laboratory Project Manager:		
Nicole Jessup — **Phone** 770-457-8177 ext 246		
E-Mail njessup@aesatlanta.com		
Requested Turn Around Time:		
5-7 Business Days (Standard)		
In Case Of Problems With Samples Contact:	**Send Invoice To:**	apinvoices@bonlalum.com
	For Approval By:	
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:**	9.2070.25

ANALYSIS REQUESTED

FOR LAB USE ONLY	
LAB #:	
QUOTE #:	

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
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O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/29	1547	GW			X	MW-30			X			X	X	X	X	X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AmecFW		COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-29-15 1820	RECEIVED BY PRINTED NAME:	SIGNATURE:	DATE/TIME: 4/30/15 8:00AM	COC/CUSTODY SEAL:
COMPANY NAME: AmecFW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS | FED-EX | COURIER | CLIENT | OTHER:
TEMPERATURE:			

CUSTODY INTACT	YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:			Reviewed:			

15041P73

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**	**Bon L Project Contact**	Terry Snell. Phone: 404-431-0028 E-Mail: tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup — **Phone** 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/29	1725	GW			X	MW-33			X			X	X	X	X	X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom Mcnally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AmecFW		COMPANY NAME:	SAMPLED BY (PRINTED, COMPANY): / COMPANY NAME:

RELINQUISHED BY PRINTED NAME: Tom Mcnally	SIGNATURE:	DATE/TIME: 4-29-15 1820	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 4/30/15 800AM	COC/CUSTODY SEAL:
COMPANY NAME: AmecFW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:
TEMPERATURE:			
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #: / COOLER #:
SAMPLE CONDITION:			
INTO LIMS:	Reviewed:		

1504P73

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028** **E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup **Phone** 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

ANALYSIS REQUESTED

FOR LAB USE ONLY
LAB #:
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*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
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OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
—	—	GW			X	DUP-1			X											
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-29-15 1320	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 4/30/15 8:00AM
COMPANY NAME: AMEC FW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		ICE:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		pH:

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

1504P73

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	Terry Snell	**Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**	
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)	
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)	
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)	
Laboratory Project Manager:		
Nicole Jessup **Phone** 770-457-8177 ext 246		
E-Mail njessup@aesatlanta.com		
Requested Turn Around Time:		
5-7 Business Days (Standard)		
In Case Of Problems With Samples Contact:	**Send Invoice To:**	apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	**For Approval By:**	
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:**	9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/29	1505	GW			X	MW-11				X	X	X	X	X		X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AmecFW		COMPANY NAME:	
SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-29-15 1820	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 4/30/15 8:00AM	COC/CUSTODY SEAL:
COMPANY NAME: AmecFW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

1504P73

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure | **Project No.** | **Bon L Project Contact** Terry Snell **Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:
Analytical Enviornmental Services
3785 Presidential Parkway
Atlanta, GA 30340

Laboratory Project Manager:
Nicole Jessup | **Phone** 770-457-8177 ext 246
E-Mail njessup@aesatlanta.com

Requested Turn Around Time:
5-7 Business Days (Standard)

In Case Of Problems With Samples Contact:
Terry Snell (C: 404-431-0028)
Leslie Miller (O: 770-421-3321 C: 678-778-7214)

E-Mail Reports To Bon L Project Contact and:
Terry Snell (tdsnell@bonlalum.com)
Michael LaPrade (michael.laprade@amecfw.com)
Leslie Miller (leslie.miller@amecfw.com)

Send Invoice To: apinvoices@bonlalum.com
For Approval By:
PO # Or Billing Code: 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/29	1633	GW			X	MW-16				X	X	X	X	X		X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-29-15 1820	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 4/30/15 8:00AM
COMPANY NAME: AMEC FW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		ICE:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

1504P73

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**	**Bon L Project Contact**	Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Analytical Enviommental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup — **Phone** 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	**For Approval By:**
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/29	0949	GW			X	MW-17				X	X	X	X	X		X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:	
SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4/29/15 1320	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 4/30/15 8:00AM	COC/CUSTODY SEAL: F
COMPANY NAME: AMEC FW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA:			TEMPERATURE:

UPS | FED-EX | COURIER | CLIENT | OTHER:

CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

1504273

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project:	Kentland Closure	Project No.		Bon L Project Contact	Terry Snell	Phone: 404-431-0028	E-Mail: tdsnell@bonlalum.com

Laboratory Name and Address:	E-Mail Reports To Bon L Project Contact and:
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup — Phone 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	**For Approval By:**
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/29	1355	GW			X	MW-27				X	X	X	X	X		X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
Tom McNally / Amec FW					

RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	COC/CUSTODY SEAL:
Tom McNally / Amec FW		4-29-15 1820			4/30/15 8:00AM	
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:	TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #: / COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

1504P73

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**	**Bon L Project Contact**	**Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**	
Analytical Enviommental Services	Terry Snell (tdsnell@bonlalum.com)	
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)	
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)	
Laboratory Project Manager:		
Nicole Jessup — **Phone** 770-457-8177 ext 246		
E-Mail njessup@aesatlanta.com		
Requested Turn Around Time:		
5-7 Business Days (Standard)		
In Case Of Problems With Samples Contact:	**Send Invoice To:**	apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	**For Approval By:**	
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:**	9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
		GW				TB-2			X											
									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AmecFW		COMPANY NAME:	
SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4/29/15 1820	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 4/30/15 8:00AM	COC/CUSTODY SEAL:
COMPANY NAME: AmecFW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

Analytical Environmental Services, Inc

Date: 21-May-15

Client: Bon L Manufacturing Co.
Project: Kentland Closure
Lab ID: 1504P73

Case Narrative

Sample Receiving Nonconformance:

Sample information on the Chain of Custody did not match that on the sample bottle labels for samples 1504P73-006 A and 1504P73-011A. The collection date was taken from the vials for sample 1504P73-006A.

The duplicate sample (DUP-1) should be run for metals (total and dissolved) only. Do not run VOCs or any of the MNA parameters per Michael LaPrade via email 4/30/2015.

Dissolved Organic Carbon Analysis by Method SM 5310B:

Due to sample matrix, sample(s) 1504P73-001F, -002F, and -008Frequired dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc

Date: 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-12
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 12:55:00 PM
Lab ID:	1504P73-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 20:05	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 20:05	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 20:05	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 20:05	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 20:05	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
cis-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 20:05	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 20:05	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 20:05	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-12
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 12:55:00 PM
Lab ID:	1504P73-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
Trichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:05	GK
Vinyl chloride	BRL	2.0		ug/L	206825	1	05/04/2015 20:05	GK
1,2-Dichloroethene, Total	BRL	3.0		ug/L	206825	1	05/04/2015 20:05	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 20:05	GK
Surr: 4-Bromofluorobenzene	90.7	70.6-123		%REC	206825	1	05/04/2015 20:05	GK
Surr: Dibromofluoromethane	113	78.7-124		%REC	206825	1	05/04/2015 20:05	GK
Surr: Toluene-d8	100	81.3-120		%REC	206825	1	05/04/2015 20:05	GK
Sulfide by SW9030B/9034				**(SW9030B)**				
Sulfide	BRL	2.00		mg/L	207019	1	05/06/2015 08:30	PF
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 02:40	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 02:40	IO
Arsenic	BRL	0.0500		mg/L	206740	1	05/02/2015 02:40	IO
Barium	0.105	0.0200		mg/L	206740	1	05/02/2015 02:40	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:40	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 02:40	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:40	IO
Cobalt	BRL	0.0200		mg/L	206740	1	05/02/2015 02:40	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 02:40	IO
Iron	0.174	0.100		mg/L	206740	1	05/02/2015 02:40	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 02:40	IO
Manganese	0.425	0.0150		mg/L	206740	1	05/02/2015 02:40	IO
Nickel	BRL	0.0200		mg/L	206740	1	05/02/2015 02:40	IO
Selenium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:40	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 02:40	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:40	IO
Tin	BRL	0.0500		mg/L	206740	1	05/02/2015 02:40	IO
Vanadium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:40	IO
Zinc	BRL	0.0200		mg/L	206740	1	05/02/2015 02:40	IO
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	206901	1	05/06/2015 19:49	TA
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	206897	1	05/06/2015 18:37	TA

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-12
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 12:55:00 PM
Lab ID:	1504P73-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Chloride	4.8	1.0		mg/L	R291230	1	04/30/2015 12:29	JW
Nitrate	BRL	0.25		mg/L	R291230	1	04/30/2015 12:29	JW
Sulfate	17	1.0		mg/L	R291230	1	04/30/2015 12:29	JW
GC Analysis of Gaseous Samples SOP-RSK 175 (RSK175)								
Ethane	BRL	9		ug/L	206714	1	05/01/2015 13:26	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 13:26	AB
Methane	BRL	4		ug/L	206714	1	05/01/2015 13:26	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	04/30/2015 08:45	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	BRL	5.00		mg/L	R291013	5	05/01/2015 15:10	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	335	10.0		mg/L	R291172	1	05/05/2015 15:17	TL
METALS, TOTAL SW6010C (SW3010A)								
Aluminum	BRL	0.200		mg/L	206592	1	05/06/2015 23:15	JL
Antimony	BRL	0.0200		mg/L	206592	1	05/06/2015 23:15	JL
Arsenic	BRL	0.0500		mg/L	206592	1	05/06/2015 23:15	JL
Barium	0.108	0.0200		mg/L	206592	1	05/06/2015 23:15	JL
Beryllium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:15	JL
Cadmium	BRL	0.0050		mg/L	206592	1	05/06/2015 23:15	JL
Chromium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:15	JL
Cobalt	BRL	0.0200		mg/L	206592	1	05/06/2015 23:15	JL
Copper	BRL	0.0100		mg/L	206592	1	05/06/2015 23:15	JL
Iron	0.221	0.100		mg/L	206592	1	05/06/2015 23:15	JL
Lead	BRL	0.0100		mg/L	206592	1	05/06/2015 23:15	JL
Manganese	0.466	0.0150		mg/L	206592	1	05/06/2015 23:15	JL
Nickel	BRL	0.0200		mg/L	206592	1	05/06/2015 23:15	JL
Selenium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:15	JL
Silver	BRL	0.0100		mg/L	206592	1	05/06/2015 23:15	JL
Thallium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:15	JL
Tin	BRL	0.0500		mg/L	206592	1	05/06/2015 23:15	JL
Vanadium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:15	JL
Zinc	BRL	0.0200		mg/L	206592	1	05/06/2015 23:15	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-20
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 11:15:00 AM
Lab ID:	1504P73-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 20:29	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 20:29	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 20:29	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 20:29	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 20:29	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
cis-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 20:29	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 20:29	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 20:29	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-20
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 11:15:00 AM
Lab ID:	1504P73-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
Trichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:29	GK
Vinyl chloride	BRL	2.0		ug/L	206825	1	05/04/2015 20:29	GK
1,2-Dichloroethene, Total	BRL	3.0		ug/L	206825	1	05/04/2015 20:29	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 20:29	GK
Surr: 4-Bromofluorobenzene	90.3	70.6-123		%REC	206825	1	05/04/2015 20:29	GK
Surr: Dibromofluoromethane	116	78.7-124		%REC	206825	1	05/04/2015 20:29	GK
Surr: Toluene-d8	103	81.3-120		%REC	206825	1	05/04/2015 20:29	GK
Sulfide by SW9030B/9034				**(SW9030B)**				
Sulfide	BRL	2.00		mg/L	207019	1	05/06/2015 08:30	PF
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 02:44	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 02:44	IO
Arsenic	BRL	0.0500		mg/L	206740	1	05/02/2015 02:44	IO
Barium	0.103	0.0200		mg/L	206740	1	05/02/2015 02:44	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:44	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 02:44	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:44	IO
Cobalt	BRL	0.0200		mg/L	206740	1	05/02/2015 02:44	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 02:44	IO
Iron	0.207	0.100		mg/L	206740	1	05/02/2015 02:44	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 02:44	IO
Manganese	0.126	0.0150		mg/L	206740	1	05/02/2015 02:44	IO
Nickel	BRL	0.0200		mg/L	206740	1	05/02/2015 02:44	IO
Selenium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:44	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 02:44	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:44	IO
Tin	BRL	0.0500		mg/L	206740	1	05/02/2015 02:44	IO
Vanadium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:44	IO
Zinc	BRL	0.0200		mg/L	206740	1	05/02/2015 02:44	IO
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	206901	1	05/06/2015 19:55	TA
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	206897	1	05/06/2015 18:39	TA

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-20
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 11:15:00 AM
Lab ID:	1504P73-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
ION SCAN SW9056A								
Chloride	31	10		mg/L	R291230	10	04/30/2015 15:45	JW
Nitrate	BRL	0.25		mg/L	R291230	1	04/30/2015 12:44	JW
Sulfate	73	10		mg/L	R291230	10	04/30/2015 15:45	JW
GC Analysis of Gaseous Samples SOP-RSK 175				**(RSK175)**				
Ethane	BRL	9		ug/L	206714	1	05/01/2015 13:54	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 13:54	AB
Methane	BRL	4		ug/L	206714	1	05/01/2015 13:54	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	04/30/2015 08:45	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	BRL	5.00		mg/L	R291013	5	05/01/2015 15:21	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	380	10.0		mg/L	R291172	1	05/05/2015 15:18	TL
METALS, TOTAL SW6010C				**(SW3010A)**				
Aluminum	2.89	0.200		mg/L	206592	1	05/06/2015 23:18	JL
Antimony	BRL	0.0200		mg/L	206592	1	05/06/2015 23:18	JL
Arsenic	BRL	0.0500		mg/L	206592	1	05/06/2015 23:18	JL
Barium	0.0999	0.0200		mg/L	206592	1	05/06/2015 23:18	JL
Beryllium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:18	JL
Cadmium	BRL	0.0050		mg/L	206592	1	05/06/2015 23:18	JL
Chromium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:18	JL
Cobalt	BRL	0.0200		mg/L	206592	1	05/06/2015 23:18	JL
Copper	BRL	0.0100		mg/L	206592	1	05/06/2015 23:18	JL
Iron	2.79	0.100		mg/L	206592	1	05/06/2015 23:18	JL
Lead	BRL	0.0100		mg/L	206592	1	05/06/2015 23:18	JL
Manganese	0.154	0.0150		mg/L	206592	1	05/06/2015 23:18	JL
Nickel	BRL	0.0200		mg/L	206592	1	05/06/2015 23:18	JL
Selenium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:18	JL
Silver	BRL	0.0100		mg/L	206592	1	05/06/2015 23:18	JL
Thallium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:18	JL
Tin	BRL	0.0500		mg/L	206592	1	05/06/2015 23:18	JL
Vanadium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:18	JL
Zinc	BRL	0.0200		mg/L	206592	1	05/06/2015 23:18	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-14
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 8:50:00 AM
Lab ID:	1504P73-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 20:53	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 20:53	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 20:53	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 20:53	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 20:53	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
cis-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 20:53	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 20:53	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 20:53	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-14
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 8:50:00 AM
Lab ID:	1504P73-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
Trichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 20:53	GK
Vinyl chloride	BRL	2.0		ug/L	206825	1	05/04/2015 20:53	GK
1,2-Dichloroethene, Total	BRL	3.0		ug/L	206825	1	05/04/2015 20:53	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 20:53	GK
Surr: 4-Bromofluorobenzene	89.6	70.6-123		%REC	206825	1	05/04/2015 20:53	GK
Surr: Dibromofluoromethane	115	78.7-124		%REC	206825	1	05/04/2015 20:53	GK
Surr: Toluene-d8	104	81.3-120		%REC	206825	1	05/04/2015 20:53	GK
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/06/2015 08:30	PF
ION SCAN SW9056A								
Chloride	24	5.0		mg/L	R291230	5	04/30/2015 16:00	JW
Nitrate	BRL	0.25		mg/L	R291230	1	04/30/2015 12:59	JW
Sulfate	28	1.0		mg/L	R291230	1	04/30/2015 12:59	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	206714	1	05/01/2015 14:00	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 14:00	AB
Methane	520	20		ug/L	206714	5	05/01/2015 16:53	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	04/30/2015 08:45	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	6.32	1.00		mg/L	R291013	1	05/01/2015 12:14	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	407	10.0		mg/L	R291172	1	05/05/2015 15:19	TL
METALS, TOTAL SW6010C					**(SW3010A)**			
Manganese	1.51	0.0150		mg/L	206592	1	05/06/2015 23:22	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-30
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 3:47:00 PM
Lab ID:	1504P73-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 21:17	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 21:17	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 21:17	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 21:17	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 21:17	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
cis-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 21:17	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 21:17	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 21:17	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-30
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 3:47:00 PM
Lab ID:	1504P73-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
Trichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:17	GK
Vinyl chloride	BRL	2.0		ug/L	206825	1	05/04/2015 21:17	GK
1,2-Dichloroethene, Total	BRL	3.0		ug/L	206825	1	05/04/2015 21:17	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 21:17	GK
Surr: 4-Bromofluorobenzene	88.3	70.6-123		%REC	206825	1	05/04/2015 21:17	GK
Surr: Dibromofluoromethane	115	78.7-124		%REC	206825	1	05/04/2015 21:17	GK
Surr: Toluene-d8	104	81.3-120		%REC	206825	1	05/04/2015 21:17	GK
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/06/2015 08:30	PF
ION SCAN SW9056A								
Chloride	6.0	1.0		mg/L	R291230	1	04/30/2015 13:14	JW
Nitrate	BRL	0.25		mg/L	R291230	1	04/30/2015 13:14	JW
Sulfate	50	1.0		mg/L	R291230	1	04/30/2015 13:14	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	206714	1	05/01/2015 14:06	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 14:06	AB
Methane	290	8		ug/L	206714	2	05/01/2015 17:01	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	4.62	1.00		mg/L	R290858	10	04/30/2015 08:45	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	4.11	1.00		mg/L	R291013	1	05/01/2015 12:34	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	238	10.0		mg/L	R291172	1	05/05/2015 15:20	TL
METALS, TOTAL SW6010C					**(SW3010A)**			
Manganese	0.985	0.0150		mg/L	206592	1	05/06/2015 23:25	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-33
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 5:25:00 PM
Lab ID:	1504P73-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 21:41	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 21:41	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 21:41	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 21:41	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 21:41	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
cis-1,2-Dichloroethene	11	2.0		ug/L	206825	1	05/04/2015 21:41	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 21:41	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 21:41	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 21:41	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-33
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 5:25:00 PM
Lab ID:	1504P73-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
Trichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 21:41	GK
Vinyl chloride	BRL	2.0		ug/L	206825	1	05/04/2015 21:41	GK
1,2-Dichloroethene, Total	12	3.0		ug/L	206825	1	05/04/2015 21:41	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 21:41	GK
Surr: 4-Bromofluorobenzene	88.3	70.6-123		%REC	206825	1	05/04/2015 21:41	GK
Surr: Dibromofluoromethane	114	78.7-124		%REC	206825	1	05/04/2015 21:41	GK
Surr: Toluene-d8	102	81.3-120		%REC	206825	1	05/04/2015 21:41	GK
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/06/2015 08:30	PF
ION SCAN SW9056A								
Chloride	6.7	1.0		mg/L	R291230	1	04/30/2015 13:29	JW
Nitrate	BRL	0.25		mg/L	R291230	1	04/30/2015 13:29	JW
Sulfate	2.0	1.0		mg/L	R291230	1	04/30/2015 13:29	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	206714	1	05/01/2015 14:24	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 14:24	AB
Methane	3300	100		ug/L	206714	25	05/01/2015 17:07	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	0.109	0.100		mg/L	R290858	1	04/30/2015 08:45	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	2.36	1.00		mg/L	R291013	1	05/01/2015 12:53	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	234	10.0		mg/L	R291172	1	05/05/2015 15:21	TL
METALS, TOTAL SW6010C					**(SW3010A)**			
Manganese	0.515	0.0150		mg/L	206592	1	05/06/2015 23:29	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	DUP-1
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015
Lab ID:	1504P73-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, DISSOLVED SW6010C					**(SW3005A)**			
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 02:48	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 02:48	IO
Arsenic	BRL	0.0500		mg/L	206740	1	05/02/2015 02:48	IO
Barium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:48	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:48	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 02:48	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:48	IO
Cobalt	BRL	0.0200		mg/L	206740	1	05/02/2015 02:48	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 02:48	IO
Iron	BRL	0.100		mg/L	206740	1	05/02/2015 02:48	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 02:48	IO
Manganese	0.0154	0.0150		mg/L	206740	1	05/02/2015 02:48	IO
Nickel	BRL	0.0200		mg/L	206740	1	05/02/2015 02:48	IO
Selenium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:48	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 02:48	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:48	IO
Tin	BRL	0.0500		mg/L	206740	1	05/02/2015 02:48	IO
Vanadium	0.0130	0.0100		mg/L	206740	1	05/02/2015 02:48	IO
Zinc	BRL	0.0200		mg/L	206740	1	05/02/2015 02:48	IO
Mercury, Total SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206901	1	05/06/2015 19:57	TA
Mercury, Dissolved SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206897	1	05/06/2015 18:45	TA
METALS, TOTAL SW6010C					**(SW3010A)**			
Aluminum	3.04	0.200		mg/L	206592	1	05/06/2015 23:40	JL
Antimony	BRL	0.0200		mg/L	206592	1	05/06/2015 23:40	JL
Arsenic	BRL	0.0500		mg/L	206592	1	05/06/2015 23:40	JL
Barium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:40	JL
Beryllium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:40	JL
Cadmium	BRL	0.0050		mg/L	206592	1	05/06/2015 23:40	JL
Chromium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:40	JL
Cobalt	BRL	0.0200		mg/L	206592	1	05/06/2015 23:40	JL
Copper	BRL	0.0100		mg/L	206592	1	05/06/2015 23:40	JL
Iron	2.15	0.100		mg/L	206592	1	05/06/2015 23:40	JL
Lead	BRL	0.0100		mg/L	206592	1	05/06/2015 23:40	JL
Manganese	0.0354	0.0150		mg/L	206592	1	05/06/2015 23:40	JL
Nickel	BRL	0.0200		mg/L	206592	1	05/06/2015 23:40	JL
Selenium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:40	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	DUP-1
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015
Lab ID:	1504P73-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C					**(SW3010A)**			
Silver	BRL	0.0100		mg/L	206592	1	05/06/2015 23:40	JL
Thallium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:40	JL
Tin	BRL	0.0500		mg/L	206592	1	05/06/2015 23:40	JL
Vanadium	0.0232	0.0100		mg/L	206592	1	05/06/2015 23:40	JL
Zinc	BRL	0.0200		mg/L	206592	1	05/06/2015 23:40	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-11
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 3:05:00 PM
Lab ID:	1504P73-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/06/2015 08:30	PF
METALS, DISSOLVED SW6010C					**(SW3005A)**			
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 02:53	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 02:53	IO
Arsenic	BRL	0.0500		mg/L	206740	1	05/02/2015 02:53	IO
Barium	0.0743	0.0200		mg/L	206740	1	05/02/2015 02:53	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:53	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 02:53	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:53	IO
Cobalt	BRL	0.0200		mg/L	206740	1	05/02/2015 02:53	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 02:53	IO
Iron	0.276	0.100		mg/L	206740	1	05/02/2015 02:53	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 02:53	IO
Manganese	0.287	0.0150		mg/L	206740	1	05/02/2015 02:53	IO
Nickel	BRL	0.0200		mg/L	206740	1	05/02/2015 02:53	IO
Selenium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:53	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 02:53	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:53	IO
Tin	BRL	0.0500		mg/L	206740	1	05/02/2015 02:53	IO
Vanadium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:53	IO
Zinc	BRL	0.0200		mg/L	206740	1	05/02/2015 02:53	IO
Mercury, Total SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206901	1	05/06/2015 19:59	TA
Mercury, Dissolved SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206897	1	05/06/2015 18:47	TA
ION SCAN SW9056A								
Chloride	7.0	1.0		mg/L	R291230	1	04/30/2015 13:59	JW
Nitrate	BRL	0.25		mg/L	R291230	1	04/30/2015 13:59	JW
Sulfate	66	10		mg/L	R291230	10	04/30/2015 16:15	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	206714	1	05/01/2015 14:34	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 14:34	AB
Methane	BRL	4		ug/L	206714	1	05/01/2015 14:34	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	04/30/2015 08:45	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-11
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 3:05:00 PM
Lab ID:	1504P73-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	6.79	5.00		mg/L	R291013	5	04/30/2015 14:33	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	375	10.0		mg/L	R291172	1	05/05/2015 15:37	TL
METALS, TOTAL SW6010C				**(SW3010A)**				
Aluminum	2.19	0.200		mg/L	206592	1	05/06/2015 23:43	JL
Antimony	BRL	0.0200		mg/L	206592	1	05/06/2015 23:43	JL
Arsenic	BRL	0.0500		mg/L	206592	1	05/06/2015 23:43	JL
Barium	0.0834	0.0200		mg/L	206592	1	05/06/2015 23:43	JL
Beryllium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:43	JL
Cadmium	BRL	0.0050		mg/L	206592	1	05/06/2015 23:43	JL
Chromium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:43	JL
Cobalt	BRL	0.0200		mg/L	206592	1	05/06/2015 23:43	JL
Copper	BRL	0.0100		mg/L	206592	1	05/06/2015 23:43	JL
Iron	2.98	0.100		mg/L	206592	1	05/06/2015 23:43	JL
Lead	BRL	0.0100		mg/L	206592	1	05/06/2015 23:43	JL
Manganese	0.342	0.0150		mg/L	206592	1	05/06/2015 23:43	JL
Nickel	BRL	0.0200		mg/L	206592	1	05/06/2015 23:43	JL
Selenium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:43	JL
Silver	BRL	0.0100		mg/L	206592	1	05/06/2015 23:43	JL
Thallium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:43	JL
Tin	BRL	0.0500		mg/L	206592	1	05/06/2015 23:43	JL
Vanadium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:43	JL
Zinc	BRL	0.0200		mg/L	206592	1	05/06/2015 23:43	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-16
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 4:33:00 PM
Lab ID:	1504P73-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/06/2015 08:30	PF
METALS, DISSOLVED SW6010C					**(SW3005A)**			
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 02:57	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 02:57	IO
Arsenic	BRL	0.0500		mg/L	206740	1	05/02/2015 02:57	IO
Barium	0.104	0.0200		mg/L	206740	1	05/02/2015 02:57	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:57	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 02:57	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:57	IO
Cobalt	BRL	0.0200		mg/L	206740	1	05/02/2015 02:57	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 02:57	IO
Iron	0.197	0.100		mg/L	206740	1	05/02/2015 02:57	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 02:57	IO
Manganese	0.307	0.0150		mg/L	206740	1	05/02/2015 02:57	IO
Nickel	BRL	0.0200		mg/L	206740	1	05/02/2015 02:57	IO
Selenium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:57	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 02:57	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 02:57	IO
Tin	BRL	0.0500		mg/L	206740	1	05/02/2015 02:57	IO
Vanadium	BRL	0.0100		mg/L	206740	1	05/02/2015 02:57	IO
Zinc	BRL	0.0200		mg/L	206740	1	05/02/2015 02:57	IO
Mercury, Total SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206901	1	05/06/2015 20:01	TA
Mercury, Dissolved SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206897	1	05/06/2015 18:49	TA
ION SCAN SW9056A								
Chloride	32	5.0		mg/L	R291230	5	04/30/2015 16:30	JW
Nitrate	BRL	0.25		mg/L	R291230	1	04/30/2015 14:14	JW
Sulfate	24	1.0		mg/L	R291230	1	04/30/2015 14:14	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	206714	1	05/01/2015 14:40	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 14:40	AB
Methane	5	4		ug/L	206714	1	05/01/2015 14:40	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	04/30/2015 08:45	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-16
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 4:33:00 PM
Lab ID:	1504P73-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	BRL	5.00		mg/L	R291013	5	05/01/2015 15:33	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	247	10.0		mg/L	R291172	1	05/05/2015 15:38	TL
METALS, TOTAL SW6010C				**(SW3010A)**				
Aluminum	5.38	0.200		mg/L	206592	1	05/06/2015 23:47	JL
Antimony	BRL	0.0200		mg/L	206592	1	05/06/2015 23:47	JL
Arsenic	BRL	0.0500		mg/L	206592	1	05/06/2015 23:47	JL
Barium	0.0844	0.0200		mg/L	206592	1	05/06/2015 23:47	JL
Beryllium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:47	JL
Cadmium	BRL	0.0050		mg/L	206592	1	05/06/2015 23:47	JL
Chromium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:47	JL
Cobalt	BRL	0.0200		mg/L	206592	1	05/06/2015 23:47	JL
Copper	BRL	0.0100		mg/L	206592	1	05/06/2015 23:47	JL
Iron	4.62	0.100		mg/L	206592	1	05/06/2015 23:47	JL
Lead	BRL	0.0100		mg/L	206592	1	05/06/2015 23:47	JL
Manganese	0.418	0.0150		mg/L	206592	1	05/06/2015 23:47	JL
Nickel	BRL	0.0200		mg/L	206592	1	05/06/2015 23:47	JL
Selenium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:47	JL
Silver	BRL	0.0100		mg/L	206592	1	05/06/2015 23:47	JL
Thallium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:47	JL
Tin	BRL	0.0500		mg/L	206592	1	05/06/2015 23:47	JL
Vanadium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:47	JL
Zinc	0.0202	0.0200		mg/L	206592	1	05/06/2015 23:47	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-17
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 9:49:00 AM
Lab ID:	1504P73-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/06/2015 08:30	PF
METALS, DISSOLVED SW6010C					**(SW3005A)**			
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 03:01	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 03:01	IO
Arsenic	BRL	0.0500		mg/L	206740	1	05/02/2015 03:01	IO
Barium	0.128	0.0200		mg/L	206740	1	05/02/2015 03:01	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 03:01	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 03:01	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 03:01	IO
Cobalt	BRL	0.0200		mg/L	206740	1	05/02/2015 03:01	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 03:01	IO
Iron	BRL	0.100		mg/L	206740	1	05/02/2015 03:01	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 03:01	IO
Manganese	0.758	0.0150		mg/L	206740	1	05/02/2015 03:01	IO
Nickel	BRL	0.0200		mg/L	206740	1	05/02/2015 03:01	IO
Selenium	BRL	0.0200		mg/L	206740	1	05/02/2015 03:01	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 03:01	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 03:01	IO
Tin	BRL	0.0500		mg/L	206740	1	05/02/2015 03:01	IO
Vanadium	BRL	0.0100		mg/L	206740	1	05/02/2015 03:01	IO
Zinc	BRL	0.0200		mg/L	206740	1	05/02/2015 03:01	IO
Mercury, Total SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206901	1	05/06/2015 19:24	TA
Mercury, Dissolved SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206897	1	05/06/2015 18:51	TA
ION SCAN SW9056A								
Chloride	30	5.0		mg/L	R291230	5	04/30/2015 16:45	JW
Nitrate	BRL	0.25		mg/L	R291230	1	04/30/2015 14:30	JW
Sulfate	140	5.0		mg/L	R291230	5	04/30/2015 16:45	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	206714	1	05/01/2015 14:46	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 14:46	AB
Methane	14	4		ug/L	206714	1	05/01/2015 14:46	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	04/30/2015 08:45	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-17
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 9:49:00 AM
Lab ID:	1504P73-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	18.6	1.00		mg/L	R291013	1	05/01/2015 13:29	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	390	10.0		mg/L	R291172	1	05/05/2015 15:39	TL
METALS, TOTAL SW6010C				**(SW3010A)**				
Aluminum	0.275	0.200		mg/L	206592	1	05/06/2015 23:51	JL
Antimony	BRL	0.0200		mg/L	206592	1	05/06/2015 23:51	JL
Arsenic	BRL	0.0500		mg/L	206592	1	05/06/2015 23:51	JL
Barium	0.127	0.0200		mg/L	206592	1	05/06/2015 23:51	JL
Beryllium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:51	JL
Cadmium	BRL	0.0050		mg/L	206592	1	05/06/2015 23:51	JL
Chromium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:51	JL
Cobalt	BRL	0.0200		mg/L	206592	1	05/06/2015 23:51	JL
Copper	BRL	0.0100		mg/L	206592	1	05/06/2015 23:51	JL
Iron	0.378	0.100		mg/L	206592	1	05/06/2015 23:51	JL
Lead	BRL	0.0100		mg/L	206592	1	05/06/2015 23:51	JL
Manganese	0.797	0.0150		mg/L	206592	1	05/06/2015 23:51	JL
Nickel	BRL	0.0200		mg/L	206592	1	05/06/2015 23:51	JL
Selenium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:51	JL
Silver	BRL	0.0100		mg/L	206592	1	05/06/2015 23:51	JL
Thallium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:51	JL
Tin	BRL	0.0500		mg/L	206592	1	05/06/2015 23:51	JL
Vanadium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:51	JL
Zinc	0.0239	0.0200		mg/L	206592	1	05/06/2015 23:51	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-27
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 1:55:00 PM
Lab ID:	1504P73-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/06/2015 08:30	PF
METALS, DISSOLVED SW6010C					**(SW3005A)**			
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 03:05	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 03:05	IO
Arsenic	BRL	0.0500		mg/L	206740	1	05/02/2015 03:05	IO
Barium	BRL	0.0200		mg/L	206740	1	05/02/2015 03:05	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 03:05	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 03:05	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 03:05	IO
Cobalt	BRL	0.0200		mg/L	206740	1	05/02/2015 03:05	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 03:05	IO
Iron	BRL	0.100		mg/L	206740	1	05/02/2015 03:05	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 03:05	IO
Manganese	0.0151	0.0150		mg/L	206740	1	05/02/2015 03:05	IO
Nickel	BRL	0.0200		mg/L	206740	1	05/02/2015 03:05	IO
Selenium	BRL	0.0200		mg/L	206740	1	05/02/2015 03:05	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 03:05	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 03:05	IO
Tin	BRL	0.0500		mg/L	206740	1	05/02/2015 03:05	IO
Vanadium	0.0130	0.0100		mg/L	206740	1	05/02/2015 03:05	IO
Zinc	BRL	0.0200		mg/L	206740	1	05/02/2015 03:05	IO
Mercury, Total SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206901	1	05/06/2015 20:03	TA
Mercury, Dissolved SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206897	1	05/06/2015 18:53	TA
ION SCAN SW9056A								
Chloride	3.0	1.0		mg/L	R291230	1	04/30/2015 14:45	JW
Nitrate	2.4	0.25		mg/L	R291230	1	04/30/2015 14:45	JW
Sulfate	110	5.0		mg/L	R291230	5	04/30/2015 17:01	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	206714	1	05/01/2015 14:51	AB
Ethylene	BRL	7		ug/L	206714	1	05/01/2015 14:51	AB
Methane	BRL	4		ug/L	206714	1	05/01/2015 14:51	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	04/30/2015 08:45	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-27
Project Name:	Kentland Closure	**Collection Date:**	4/29/2015 1:55:00 PM
Lab ID:	1504P73-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	2.64	1.00		mg/L	R291013	1	05/01/2015 13:51	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	196	10.0		mg/L	R291172	1	05/05/2015 15:40	TL
METALS, TOTAL SW6010C				**(SW3010A)**				
Aluminum	3.01	0.200		mg/L	206592	1	05/06/2015 23:54	JL
Antimony	BRL	0.0200		mg/L	206592	1	05/06/2015 23:54	JL
Arsenic	BRL	0.0500		mg/L	206592	1	05/06/2015 23:54	JL
Barium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:54	JL
Beryllium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:54	JL
Cadmium	BRL	0.0050		mg/L	206592	1	05/06/2015 23:54	JL
Chromium	BRL	0.0100		mg/L	206592	1	05/06/2015 23:54	JL
Cobalt	BRL	0.0200		mg/L	206592	1	05/06/2015 23:54	JL
Copper	BRL	0.0100		mg/L	206592	1	05/06/2015 23:54	JL
Iron	2.25	0.100		mg/L	206592	1	05/06/2015 23:54	JL
Lead	BRL	0.0100		mg/L	206592	1	05/06/2015 23:54	JL
Manganese	0.0338	0.0150		mg/L	206592	1	05/06/2015 23:54	JL
Nickel	BRL	0.0200		mg/L	206592	1	05/06/2015 23:54	JL
Selenium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:54	JL
Silver	BRL	0.0100		mg/L	206592	1	05/06/2015 23:54	JL
Thallium	BRL	0.0200		mg/L	206592	1	05/06/2015 23:54	JL
Tin	BRL	0.0500		mg/L	206592	1	05/06/2015 23:54	JL
Vanadium	0.0216	0.0100		mg/L	206592	1	05/06/2015 23:54	JL
Zinc	BRL	0.0200		mg/L	206592	1	05/06/2015 23:54	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	TB-2
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015
Lab ID:	1504P73-011	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 14:44	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 14:44	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 14:44	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 14:44	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 14:44	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
cis-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 14:44	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 14:44	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 14:44	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 21-May-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	TB-2
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015
Lab ID:	1504P73-011	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
Trichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 14:44	GK
Vinyl chloride	BRL	2.0		ug/L	206825	1	05/04/2015 14:44	GK
1,2-Dichloroethene, Total	BRL	3.0		ug/L	206825	1	05/04/2015 14:44	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 14:44	GK
Surr: 4-Bromofluorobenzene	91.3	70.6-123		%REC	206825	1	05/04/2015 14:44	GK
Surr: Dibromofluoromethane	113	78.7-124		%REC	206825	1	05/04/2015 14:44	GK
Surr: Toluene-d8	102	81.3-120		%REC	206825	1	05/04/2015 14:44	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Bon L Work Order Number 1504P73

Checklist completed by Tanya Delos 4/30/15
Signature Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.5°C Cooler #2 3.4°C Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes __ No ✓

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes __ No ✓ Not Applicable __

Adjusted? Tanya Checked by Tanya

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\l\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **206592**

Sample ID: **MB-206592** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291297**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206592** Analysis Date: **05/06/2015** Seq No: **6197933**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200									
Antimony	BRL	0.0200									
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Beryllium	BRL	0.0100									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Iron	BRL	0.100									
Lead	BRL	0.0100									
Manganese	BRL	0.0150									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									
Thallium	BRL	0.0200									
Tin	BRL	0.0500									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-206592** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291297**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206592** Analysis Date: **05/06/2015** Seq No: **6197934**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.706	0.200	10.00		97.1	80	120				
Antimony	0.9862	0.0200	1.000		98.6	80	120				
Arsenic	0.9940	0.0500	1.000		99.4	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: 206592

Sample ID: **LCS-206592** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291297**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **206592** Analysis Date: **05/06/2015** Seq No: **6197934**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Barium	0.9645	0.0200	1.000		96.5	80	120				
Beryllium	0.9916	0.0100	1.000		99.2	80	120				
Cadmium	0.9843	0.0050	1.000		98.4	80	120				
Chromium	0.9696	0.0100	1.000	0.0004914	96.9	80	120				
Cobalt	0.9873	0.0200	1.000		98.7	80	120				
Copper	0.9723	0.0100	1.000		97.2	80	120				
Iron	9.892	0.100	10.00		98.9	80	120				
Lead	0.9762	0.0100	1.000		97.6	80	120				
Manganese	0.9854	0.0150	1.000		98.5	80	120				
Nickel	0.9822	0.0200	1.000		98.2	80	120				
Selenium	0.9619	0.0200	1.000	0.01108	95.1	80	120				
Silver	0.09761	0.0100	0.1000		97.6	80	120				
Thallium	0.9625	0.0200	1.000		96.3	80	120				
Tin	0.9635	0.0500	1.000	0.002853	96.1	80	120				
Vanadium	0.9847	0.0100	1.000		98.5	80	120				
Zinc	0.9842	0.0200	1.000		98.4	80	120				

Sample ID: **1504P64-002CMS** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291297**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **206592** Analysis Date: **05/06/2015** Seq No: **6197936**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.681	0.200	10.00		96.8	75	125				
Antimony	0.9829	0.0200	1.000		98.3	75	125				
Arsenic	0.9949	0.0500	1.000	0.008077	98.7	75	125				
Barium	1.039	0.0200	1.000	0.07857	96.1	75	125				
Beryllium	0.9801	0.0100	1.000		98.0	75	125				
Cadmium	0.9784	0.0050	1.000		97.8	75	125				
Chromium	0.9622	0.0100	1.000	0.0008241	96.1	75	125				

Qualifiers:
- > Greater than Result value
- BRL Below reporting limit
- J Estimated value detected below Reporting Limit
- Rpt Lim Reporting Limit
- < Less than Result value
- E Estimated (value above quantitation range)
- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix
- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: 206592

Sample ID: **1504P64-002CMS** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291297**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **206592** Analysis Date: **05/06/2015** Seq No: **6197936**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cobalt	0.9789	0.0200	1.000	0.001096	97.8	75	125				
Copper	0.9638	0.0100	1.000		96.4	75	125				
Iron	9.860	0.100	10.00	0.07592	97.8	75	125				
Lead	0.9675	0.0100	1.000		96.7	75	125				
Manganese	1.172	0.0150	1.000	0.1941	97.8	75	125				
Nickel	0.9710	0.0200	1.000		97.1	75	125				
Selenium	0.9659	0.0200	1.000	0.03135	93.5	75	125				
Silver	0.09651	0.0100	0.1000		96.5	75	125				
Thallium	0.9645	0.0200	1.000		96.4	75	125				
Tin	0.9629	0.0500	1.000	0.001820	96.1	75	125				
Vanadium	0.9809	0.0100	1.000		98.1	75	125				
Zinc	0.9809	0.0200	1.000	0.004353	97.7	75	125				

Sample ID: **1504P64-002CMSD** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291297**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **206592** Analysis Date: **05/06/2015** Seq No: **6197937**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.873	0.200	10.00		98.7	75	125	9.681	1.96	20	
Antimony	1.005	0.0200	1.000		100	75	125	0.9829	2.21	20	
Arsenic	1.021	0.0500	1.000	0.008077	101	75	125	0.9949	2.55	20	
Barium	1.059	0.0200	1.000	0.07857	98.0	75	125	1.039	1.87	20	
Beryllium	0.9986	0.0100	1.000		99.9	75	125	0.9801	1.87	20	
Cadmium	0.9969	0.0050	1.000		99.7	75	125	0.9784	1.87	20	
Chromium	0.9746	0.0100	1.000	0.0008241	97.4	75	125	0.9622	1.27	20	
Cobalt	0.9983	0.0200	1.000	0.001096	99.7	75	125	0.9789	1.97	20	
Copper	0.9830	0.0100	1.000		98.3	75	125	0.9638	1.97	20	
Iron	10.06	0.100	10.00	0.07592	99.8	75	125	9.860	1.99	20	
Lead	0.9878	0.0100	1.000		98.8	75	125	0.9675	2.08	20	

Qualifiers:
- > Greater than Result value
- BRL Below reporting limit
- J Estimated value detected below Reporting Limit
- Rpt Lim Reporting Limit
- < Less than Result value
- E Estimated (value above quantitation range)
- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix
- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 21-May-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **206592**

Sample ID: **1504P64-002CMSD** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291297**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206592** Analysis Date: **05/06/2015** Seq No: **6197937**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Manganese	1.193	0.0150	1.000	0.1941	99.9	75	125	1.172	1.75	20	
Nickel	0.9899	0.0200	1.000		99.0	75	125	0.9710	1.93	20	
Selenium	1.023	0.0200	1.000	0.03135	99.2	75	125	0.9659	5.78	20	
Silver	0.09878	0.0100	0.1000		98.8	75	125	0.09651	2.32	20	
Thallium	0.9801	0.0200	1.000		98.0	75	125	0.9645	1.60	20	
Tin	0.9819	0.0500	1.000	0.001820	98.0	75	125	0.9629	1.95	20	
Vanadium	0.9902	0.0100	1.000		99.0	75	125	0.9809	0.947	20	
Zinc	0.9986	0.0200	1.000	0.004353	99.4	75	125	0.9809	1.79	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: 206714

Sample ID: **MB-206714** Client ID: Units: **ug/L** Prep Date: **05/01/2015** Run No: **291019**
SampleType: **MBLK** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **206714** Analysis Date: **05/01/2015** Seq No: **6190959**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	BRL	9									
Ethylene	BRL	7									
Methane	BRL	4									

Sample ID: **LCS-206714** Client ID: Units: **ug/L** Prep Date: **05/01/2015** Run No: **291019**
SampleType: **LCS** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **206714** Analysis Date: **05/01/2015** Seq No: **6190960**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	129.3	9	200.0		64.7	41.2	115				
Ethylene	83.90	7	200.0		41.9	26.5	115				
Methane	140.2	4	200.0		70.1	45.1	115				

Sample ID: **LCSD-206714** Client ID: Units: **ug/L** Prep Date: **05/01/2015** Run No: **291019**
SampleType: **LCSD** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **206714** Analysis Date: **05/01/2015** Seq No: **6190961**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	119.0	9	200.0		59.5	41.2	115	129.3	8.33	20	
Ethylene	77.60	7	200.0		38.8	26.5	115	83.90	7.80	20	
Methane	128.9	4	200.0		64.5	45.1	115	140.2	8.36	20	

Sample ID: **1504N30-010KMS** Client ID: Units: **ug/L** Prep Date: **05/01/2015** Run No: **291019**
SampleType: **MS** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **206714** Analysis Date: **05/01/2015** Seq No: **6190986**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	112.7	9	200.0		56.3	40.5	115				
Ethylene	74.18	7	200.0		37.1	25.1	115				
Methane	116.6	4	200.0		58.3	40.4	115				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 21-May-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **206714**

Sample ID: **1504N30-010KMSD** Client ID: Units: **ug/L** Prep Date: **05/01/2015** Run No: **291019**
SampleType: **MSD** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **206714** Analysis Date: **05/01/2015** Seq No: **6190987**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	111.0	9	200.0		55.5	40.5	115	112.7	1.49	20	
Ethylene	72.66	7	200.0		36.3	25.1	115	74.18	2.07	20	
Methane	114.4	4	200.0		57.2	40.4	115	116.6	1.94	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: 206740

Sample ID: **MB-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MBLK** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193034**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200									
Antimony	BRL	0.0200									
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Beryllium	BRL	0.0100									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Iron	BRL	0.100									
Lead	BRL	0.0100									
Manganese	BRL	0.0150									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									
Thallium	BRL	0.0200									
Tin	BRL	0.0500									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193035**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.792	0.200	10.00		97.9	80	120				
Antimony	0.9878	0.0200	1.000		98.8	80	120				
Arsenic	0.9402	0.0500	1.000		94.0	80	120				
Barium	0.9771	0.0200	1.000		97.7	80	120				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **206740**

Sample ID: **LCS-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193035**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium	0.9705	0.0100	1.000		97.0	80	120				
Cadmium	0.9746	0.0050	1.000		97.5	80	120				
Chromium	0.9350	0.0100	1.000		93.5	80	120				
Cobalt	0.9670	0.0200	1.000		96.7	80	120				
Copper	0.9586	0.0100	1.000		95.9	80	120				
Iron	9.633	0.100	10.00	0.01503	96.2	80	120				
Lead	0.9612	0.0100	1.000		96.1	80	120				
Manganese	0.9761	0.0150	1.000	0.005733	97.0	80	120				
Nickel	0.9699	0.0200	1.000		97.0	80	120				
Selenium	0.8514	0.0200	1.000		85.1	80	120				
Silver	0.09727	0.0100	0.1000		97.3	80	120				
Thallium	0.9776	0.0200	1.000		97.8	80	120				
Tin	0.9388	0.0500	1.000		93.9	80	120				
Vanadium	0.9684	0.0100	1.000		96.8	80	120				
Zinc	0.9766	0.0200	1.000		97.7	80	120				

Sample ID: **1504O40-001BMS** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.615	0.200	10.00		96.2	75	125				
Antimony	0.9777	0.0200	1.000		97.8	75	125				
Arsenic	0.9386	0.0500	1.000	0.003312	93.5	75	125				
Barium	1.027	0.0200	1.000	0.06964	95.7	75	125				
Beryllium	0.9528	0.0100	1.000		95.3	75	125				
Cadmium	0.9585	0.0050	1.000		95.9	75	125				
Chromium	0.9438	0.0100	1.000	0.002112	94.2	75	125				
Cobalt	0.9989	0.0200	1.000	0.05399	94.5	75	125				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: 206740

Sample ID: **1504O40-001BMS** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Copper	0.9519	0.0100	1.000		95.2	75	125				
Iron	9.598	0.100	10.00	0.05247	95.5	75	125				
Lead	0.9391	0.0100	1.000	0.002573	93.7	75	125				
Manganese	9.332	0.0150	1.000	8.934	39.8	75	125				S
Nickel	0.9533	0.0200	1.000	0.004755	94.9	75	125				
Selenium	0.8626	0.0200	1.000	0.02796	83.5	75	125				
Silver	0.09541	0.0100	0.1000		95.4	75	125				
Thallium	0.9637	0.0200	1.000		96.4	75	125				
Tin	0.9218	0.0500	1.000	0.005259	91.7	75	125				
Vanadium	0.9547	0.0100	1.000		95.5	75	125				
Zinc	0.9630	0.0200	1.000	0.01174	95.1	75	125				

Sample ID: **1504O40-001BMSD** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MSD** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.693	0.200	10.00		96.9	75	125	9.615	0.804	20	
Antimony	0.9802	0.0200	1.000		98.0	75	125	0.9777	0.247	20	
Arsenic	0.9530	0.0500	1.000	0.003312	95.0	75	125	0.9386	1.52	20	
Barium	1.031	0.0200	1.000	0.06964	96.1	75	125	1.027	0.374	20	
Beryllium	0.9648	0.0100	1.000		96.5	75	125	0.9528	1.24	20	
Cadmium	0.9660	0.0050	1.000		96.6	75	125	0.9585	0.778	20	
Chromium	0.9508	0.0100	1.000	0.002112	94.9	75	125	0.9438	0.740	20	
Cobalt	1.004	0.0200	1.000	0.05399	95.0	75	125	0.9989	0.551	20	
Copper	0.9612	0.0100	1.000		96.1	75	125	0.9519	0.971	20	
Iron	9.585	0.100	10.00	0.05247	95.3	75	125	9.598	0.129	20	
Lead	0.9447	0.0100	1.000	0.002573	94.2	75	125	0.9391	0.593	20	
Manganese	9.275	0.0150	1.000	8.934	34.1	75	125	9.332	0.619	20	S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 21-May-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **206740**

Sample ID: **1504O40-001BMSD** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MSD** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nickel	0.9575	0.0200	1.000	0.004755	95.3	75	125	0.9533	0.431	20	
Selenium	0.8995	0.0200	1.000	0.02796	87.2	75	125	0.8626	4.18	20	
Silver	0.09614	0.0100	0.1000		96.1	75	125	0.09541	0.762	20	
Thallium	0.9672	0.0200	1.000		96.7	75	125	0.9637	0.357	20	
Tin	0.9267	0.0500	1.000	0.005259	92.1	75	125	0.9218	0.526	20	
Vanadium	0.9606	0.0100	1.000		96.1	75	125	0.9547	0.617	20	
Zinc	0.9683	0.0200	1.000	0.01174	95.7	75	125	0.9630	0.542	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 21-May-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **206825**

Sample ID: **MB-206825** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6191924**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2,4-Trimethylbenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloroethene, Total	BRL	3.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **206825**

Sample ID: **MB-206825** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6191924**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylene chloride	BRL	5.0									
n-Butylbenzene	BRL	1.0									
n-Propylbenzene	BRL	1.0									
Naphthalene	BRL	5.0									
sec-Butylbenzene	BRL	2.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	45.38	0	50.00		90.8	70.6	123				
Surr: Dibromofluoromethane	56.04	0	50.00		112	78.7	124				
Surr: Toluene-d8	51.65	0	50.00		103	81.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: 206825

Sample ID: **LCS-206825** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6191923**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	38.08	2.0	50.00		76.2	64.2	137				
Benzene	42.47	1.0	50.00		84.9	72.8	128				
Chlorobenzene	47.86	1.0	50.00		95.7	72.3	126				
Toluene	45.62	1.0	50.00		91.2	74.9	127				
Trichloroethene	48.03	1.0	50.00		96.1	70.5	134				
Surr: 4-Bromofluorobenzene	46.41	0	50.00		92.8	70.6	123				
Surr: Dibromofluoromethane	56.42	0	50.00		113	78.7	124				
Surr: Toluene-d8	50.63	0	50.00		101	81.3	120				

Sample ID: **1505002-001AMS** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6192248**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	36.92	2.0	50.00		73.8	60.5	156				
Benzene	44.38	1.0	50.00		88.8	70	135				
Chlorobenzene	49.31	1.0	50.00		98.6	70.5	132				
Toluene	47.82	1.0	50.00		95.6	70.5	137				
Trichloroethene	51.32	1.0	50.00	2.590	97.5	71.8	139				
Surr: 4-Bromofluorobenzene	46.09	0	50.00		92.2	70.6	123				
Surr: Dibromofluoromethane	56.85	0	50.00		114	78.7	124				
Surr: Toluene-d8	50.31	0	50.00		101	81.3	120				

Sample ID: **1505002-001AMSD** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6192305**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	35.11	2.0	50.00		70.2	60.5	156	36.92	5.03	20	
Benzene	42.44	1.0	50.00		84.9	70	135	44.38	4.47	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 21-May-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **206825**

Sample ID: **1505002-001AMSD** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6192305**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	47.96	1.0	50.00		95.9	70.5	132	49.31	2.78	20	
Toluene	45.47	1.0	50.00		90.9	70.5	137	47.82	5.04	20	
Trichloroethene	49.59	1.0	50.00	2.590	94.0	71.8	139	51.32	3.43	20	
Surr: 4-Bromofluorobenzene	45.83	0	50.00		91.7	70.6	123	46.09	0	0	
Surr: Dibromofluoromethane	56.33	0	50.00		113	78.7	124	56.85	0	0	
Surr: Toluene-d8	50.67	0	50.00		101	81.3	120	50.31	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: 206897

Sample ID: **MB-206897** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291246**
SampleType: **MBLK** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206897** Analysis Date: **05/06/2015** Seq No: **6197601**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-206897** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291246**
SampleType: **LCS** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206897** Analysis Date: **05/06/2015** Seq No: **6197602**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005248	0.00020	0.0050		105	80	120				

Sample ID: **1505398-001AMS** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291246**
SampleType: **MS** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206897** Analysis Date: **05/06/2015** Seq No: **6197604**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005229	0.00020	0.0050		105	70	130				

Sample ID: **1505398-001AMSD** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291246**
SampleType: **MSD** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206897** Analysis Date: **05/06/2015** Seq No: **6197605**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005492	0.00020	0.0050		110	70	130	0.005229	4.90	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: 206901

Sample ID: **MB-206901** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197984**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-206901** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **LCS** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197985**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005053	0.00020	0.0050		101	80	120				

Sample ID: **1504P73-009AMS** Client ID: **MW-17** Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **MS** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197987**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004151	0.00020	0.0050		83.0	70	130				

Sample ID: **1504P73-009AMSD** Client ID: **MW-17** Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197990**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004201	0.00020	0.0050		84.0	70	130	0.004151	1.20	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: 207019

Sample ID: **MB-207019** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291262**
SampleType: **MBLK** TestCode: **Sulfide by SW9030B/9034** BatchID: **207019** Analysis Date: **05/06/2015** Seq No: **6196781**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	BRL	2.00									

Sample ID: **1504P73-001DMS** Client ID: **MW-12** Units: **mg/L** Prep Date: **05/06/2015** Run No: **291262**
SampleType: **MS** TestCode: **Sulfide by SW9030B/9034** BatchID: **207019** Analysis Date: **05/06/2015** Seq No: **6196794**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	14.80	2.00	15.60	0.4000	92.3	73.7	120				

Sample ID: **1505002-001EMS** Client ID: Units: **mg/L** Prep Date: **05/07/2015** Run No: **291262**
SampleType: **MS** TestCode: **Sulfide by SW9030B/9034** BatchID: **207019** Analysis Date: **05/07/2015** Seq No: **6199683**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	14.60	2.00	15.60	1.400	84.6	73.7	120				

Sample ID: **1504P73-001DMSD** Client ID: **MW-12** Units: **mg/L** Prep Date: **05/06/2015** Run No: **291262**
SampleType: **MSD** TestCode: **Sulfide by SW9030B/9034** BatchID: **207019** Analysis Date: **05/06/2015** Seq No: **6196795**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	14.60	2.00	15.60	0.4000	91.0	73.7	120	14.80	1.36	20	

Sample ID: **1505002-001EMSD** Client ID: Units: **mg/L** Prep Date: **05/07/2015** Run No: **291262**
SampleType: **MSD** TestCode: **Sulfide by SW9030B/9034** BatchID: **207019** Analysis Date: **05/07/2015** Seq No: **6199684**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	15.00	2.00	15.60	1.400	87.2	73.7	120	14.60	2.70	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **R290858**

Sample ID: **MB-R290858** Client ID: Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **MBLK** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **04/30/2015** Seq No: **6187450**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	BRL	0.100									

Sample ID: **LCS-R290858** Client ID: Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **LCS** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **04/30/2015** Seq No: **6187451**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.4927	0.100	0.5000		98.5	85	115				

Sample ID: **1504P73-001EMS** Client ID: **MW-12** Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **MS** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **04/30/2015** Seq No: **6187604**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.5234	0.100	0.5000	0.03190	98.3	80	120				

Sample ID: **1505002-001FMS** Client ID: Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **MS** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **05/01/2015** Seq No: **6191350**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.5311	0.100	0.5000		106	80	120				H

Sample ID: **1504P73-001EMSD** Client ID: **MW-12** Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **MSD** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **04/30/2015** Seq No: **6187606**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.5260	0.100	0.5000	0.03190	98.8	80	120	0.5234	0.496	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 21-May-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **R290858**

Sample ID: **1505002-001FMSD** Client ID: Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **MSD** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **05/01/2015** Seq No: **6191351**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.4901	0.100	0.5000		98.0	80	120	0.5311	8.03	30	H

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **R291013**

Sample ID: **MB-R291013** Client ID: Units: **mg/L** Prep Date: Run No: **291013**
SampleType: **MBLK** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291013** Analysis Date: **04/30/2015** Seq No: **6190824**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	BRL	1.00									

Sample ID: **LCS-R291013** Client ID: Units: **mg/L** Prep Date: Run No: **291013**
SampleType: **LCS** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291013** Analysis Date: **04/30/2015** Seq No: **6190823**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	23.22	1.00	25.00		92.9	90	110				

Sample ID: **1504P73-005CMS** Client ID: **MW-33** Units: **mg/L** Prep Date: Run No: **291013**
SampleType: **MS** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291013** Analysis Date: **05/01/2015** Seq No: **6190848**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	22.79	1.00	25.00	2.358	81.7	80	120				

Sample ID: **1504P73-005CMSD** Client ID: **MW-33** Units: **mg/L** Prep Date: Run No: **291013**
SampleType: **MSD** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291013** Analysis Date: **05/01/2015** Seq No: **6190849**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	23.84	1.00	25.00	2.358	85.9	80	120	22.79	4.50	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 21-May-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **R291172**

Sample ID: **MB-R291172** Client ID: Units: **mg/L** Prep Date: Run No: **291172**
SampleType: **MBLK** TestCode: **Alkalinity E310.2** BatchID: **R291172** Analysis Date: **05/05/2015** Seq No: **6194656**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	BRL	10.0									

Sample ID: **LCS-R291172** Client ID: Units: **mg/L** Prep Date: Run No: **291172**
SampleType: **LCS** TestCode: **Alkalinity E310.2** BatchID: **R291172** Analysis Date: **05/05/2015** Seq No: **6194657**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	242.0	10.0	250.0	9.180	93.1	90	110				

Sample ID: **1505002-001CDUP** Client ID: Units: **mg/L** Prep Date: Run No: **291172**
SampleType: **DUP** TestCode: **Alkalinity E310.2** BatchID: **R291172** Analysis Date: **05/05/2015** Seq No: **6194763**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	355.0	10.0						351.0	1.13	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 21-May-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: R291230

Sample ID: **MB-R291230** Client ID: Units: **mg/L** Prep Date: Run No: **291230**
SampleType: **MBLK** TestCode: **ION SCAN SW9056A** BatchID: **R291230** Analysis Date: **04/30/2015** Seq No: **6196204**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	BRL	1.0									
Nitrate	BRL	0.25									
Sulfate	BRL	1.0									

Sample ID: **LCS-R291230** Client ID: Units: **mg/L** Prep Date: Run No: **291230**
SampleType: **LCS** TestCode: **ION SCAN SW9056A** BatchID: **R291230** Analysis Date: **04/30/2015** Seq No: **6196203**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	4.954	1.0	5.000		99.1	90	110				
Nitrate	4.861	0.25	5.000		97.2	90	110				
Sulfate	25.04	1.0	25.00		100	90	110				

Sample ID: **1504Q17-002BMS** Client ID: Units: **mg/L** Prep Date: Run No: **291230**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R291230** Analysis Date: **04/30/2015** Seq No: **6196224**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	81.34	10	50.00	41.26	80.2	90	110				S
Nitrate	49.36	2.5	50.00		98.7	90	110				
Sulfate	280.6	10	250.0	33.13	99.0	90	110				

Sample ID: **1504Q18-002BMS** Client ID: Units: **mg/L** Prep Date: Run No: **291230**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R291230** Analysis Date: **04/30/2015** Seq No: **6196230**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	79.38	10	50.00	34.36	90.0	90	110				
Nitrate	48.35	2.5	50.00	2.792	91.1	90	110				
Sulfate	262.8	10	250.0	26.77	94.4	90	110				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 21-May-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1504P73

ANALYTICAL QC SUMMARY REPORT

BatchID: **R291230**

Sample ID: **1504Q17-002BMSD** Client ID: Units: **mg/L** Prep Date: Run No: **291230**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R291230** Analysis Date: **04/30/2015** Seq No: **6196225**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	80.09	10	50.00	41.26	77.7	90	110	81.34	1.54	20	S
Nitrate	48.77	2.5	50.00		97.5	90	110	49.36	1.19	20	
Sulfate	288.8	10	250.0	33.13	102	90	110	280.6	2.87	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 09, 2015

Terry D. Snell
Bon L Manufacturing Co.
25 Bonnell St
Newnan GA 30263

TEL: (770) 253-2020
FAX: (770) 254-7711

RE: Kentland Closure

Dear Terry D. Snell: Order No: 1505002

Analytical Environmental Services, Inc. received 10 samples on May 1, 2015 7:45 am for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Nicole L. Jessup

Nicole Jessup
Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

1505002

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure **Project No.** **Bon L Project Contact** Terry Snell **Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:
Analytical Enviornmental Services
3785 Presidential Parkway
Atlanta, GA 30340

Laboratory Project Manager:
Nicole Jessup **Phone** 770-457-8177 ext 246
E-Mail njessup@aesatlanta.com

Requested Turn Around Time:
5-7 Business Days (Standard)

In Case Of Problems With Samples Contact:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)

E-Mail Reports To Bon L Project Contact and:
Terry Snell (tdsnell@bonlalum.com)
Michael LaPrade (michael.laprade@amecfw.com)
Leslie Miller (leslie.miller@amecfw.com)

Send Invoice To: apinvoices@bonlalum.com
For Approval By:
PO # Or Billing Code: 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/30	0755	GW			X	MW-21			X			X	X	X	X	X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AmecFW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-30-15 1815	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME: AmecFW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		ICE:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

1505002

CHAIN OF CUSTODY RECORD

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BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	Terry Snell	**Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup **Phone** 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	**For Approval By:**
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

FOR LAB USE ONLY	
LAB #:	
QUOTE #:	

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A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
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LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
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ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/30	0857	GW			X	MW-7			X			X	X	X	X	X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-30-15 1815	RECEIVED BY PRINTED NAME: 5/1/15 7:45	SIGNATURE	DATE/TIME:	COC/CUSTODY SEAL:
COMPANY NAME: AMEC FW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

1505002

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure | **Project No.** | **Bon L Project Contact** Terry Snell **Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:
Analytical Enviornmental Services
3785 Presidential Parkway
Atlanta, GA 30340

Laboratory Project Manager:
Nicole Jessup **Phone** 770-457-8177 ext 246
E-Mail njessup@aesatlanta.com

Requested Turn Around Time:
5-7 Business Days (Standard)

In Case Of Problems With Samples Contact:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)

E-Mail Reports To Bon L Project Contact and:
Terry Snell (tdsnell@bonlalum.com)
Michael LaPrade (michael.laprade@amecfw.com)
Leslie Miller (leslie.miller@amecfw.com)

Send Invoice To: apinvoices@bonlalum.com
For Approval By:
PO # Or Billing Code: 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/30	0950	GW			X	MW-31			X			X	X	X	X	X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:	
SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-30-15 1815	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	COC/CUSTODY SEAL:
COMPANY NAME: AMEC FW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

1505002

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028** **E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Analytical Enviommental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup — **Phone** 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	**For Approval By:**
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/30	1045	GW			X	MW-25				X	X	X	X	X		X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-30-15 1815	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME: AMEC FW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		ICE:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

FOR LAB USE ONLY	
LAB #:	
QUOTE #:	

*MATRIX CODES:			
A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
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1505002

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**	**Bon L Project Contact**	Terry Snell **Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Analytical Enviommental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (ieslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup **Phone** 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/30	1145	GW			X	MW-26			X			X	X	X	X	X	X	X		
									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
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LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
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SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:	SAMPLED BY (PRINTED, COMPANY): COMPANY NAME:
RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-30-15 1815	RECEIVED BY PRINTED NAME: SIGNATURE DATE/TIME: COC/CUSTODY SEAL:
COMPANY NAME: AMEC FW			COMPANY NAME:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: SIGNATURE DATE/TIME: ICE:
COMPANY NAME:			COMPANY NAME:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: SIGNATURE DATE/TIME: pH:
COMPANY NAME:			COMPANY NAME:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER: TEMPERATURE:
CUSTODY INTACT YES NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #: COOLER #: SAMPLE CONDITION:
INTO LIMS:		Reviewed:	

1505002

CHAIN OF CUSTODY RECORD

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Billing Address:
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BONNELL ALUMINUM

Project: Kentland Closure | **Project No.** | **Bon L Project Contact** Terry Snell **Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

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Analytical Enviornmental Services
3785 Presidential Parkway
Atlanta, GA 30340

Laboratory Project Manager:
Nicole Jessup **Phone** 770-457-8177 ext 246
E-Mail njessup@aesatlanta.com

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Michael LaPrade (michael.laprade@amecfw.com)
Leslie Miller (leslie.miller@amecfw.com)

Send Invoice To: apinvoices@bonlalum.com
For Approval By:
PO # Or Billing Code: 9.2070.25

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DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/30	1245	GW			X	MW-8			X			X	X	X	X	X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-30-15 1315	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	COC/CUSTODY SEAL:
COMPANY NAME: Amec FW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:			TEMPERATURE:
CUSTODY INTACT YES NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:		COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:				

1505002

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028** **E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup — **Phone** 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/30	1347	GW			X	MW-28			X			X	X	X	X	X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:	
SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4/30/15 1215	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	COC/CUSTODY SEAL:
COMPANY NAME: AMEC FW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA:				TEMPERATURE:
			UPS	FED-EX	COURIER	CLIENT	OTHER:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:				COOLER #: / SAMPLE CONDITION:
INTO LIMS:		Reviewed:					

1505002

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**	**Bon L Project Contact**	Terry Snell **Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup **Phone** 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

ANALYSIS REQUESTED

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Total and Dissolved Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/30	1450	GW			X	MW-29			X			X	X	X	X	X	X	X		
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AmecFW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-30-15 1815	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	COC/CUSTODY SEAL:
COMPANY NAME: AmEC FW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
COMPANY NAME:			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
COMPANY NAME:			COMPANY NAME:			
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:			TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:		COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:				

1505002

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	Terry Snell	**Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Analytical Enviornmental Services	Terry Snell (tdsnell@bonlalum.com)
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Nicole Jessup — **Phone** 770-457-8177 ext 246	
E-Mail njessup@aesatlanta.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:** apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	**For Approval By:**
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE	GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	~~Total and Dissolved Mercury by 7470A~~	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/30		GW			X		~~TB-3 DUP-2~~				X	X									
												Lab									
												X									
										1	1	1	1	1	1	1	1	1	1		
										2	4	4				4	6		3		

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom Murphy	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Tom Murphy	SIGNATURE:	DATE/TIME: 4-30-15 1215	RECEIVED BY PRINTED NAME: 5/1/15	SIGNATURE 7:45	DATE/TIME:
COMPANY NAME: AMEC FW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		ICE:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA:		TEMPERATURE:
			UPS / FED-EX / COURIER / CLIENT / OTHER:		
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

Analytical Environmental Services, Inc

Date: 11-Jun-15

Client: Bon L Manufacturing Co.
Project: Kentland Closure
Lab ID: 1505002

Case Narrative

Volatiles Organic Compounds Analysis by Method 8260B:

Due to sample matrix, samples 1505002-008A, & -009A required dilution during preparation and/or analysis resulting in elevated reporting limits.

IC Analysis by Method 9056A:

Due to sample matrix, sample(s) 1505002-005C and -008C required a dilution during preparation and/or analysis resulting in elevated reporting limits.

Metals Analysis by Method 6010C:

Tin was detected in Method Blank 206837 at 0.0747 mg/L which was above reporting limit of 0.05 mg/L resulting in "B" qualified data for the Batch QC samples. Associated sample values were less than reporting limit and data is reportable with high bias.

Ferrous Iron by Method SM3500-FE D:

Insufficient holding time remaining for samples 1505002-001F, laboratory proceeded with Ferrous Iron analysis. Per Michael LaPrade via email 5/1/2015 the lab should proceed with the analysis.

Analytical Environmental Services, Inc

Date: 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-21
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 7:55:00 AM
Lab ID:	1505002-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 16:01	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 16:01	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 16:01	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 16:01	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 16:01	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 16:01	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 16:01	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 16:01	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
cis-1,2-Dichloroethene	65	2.0		ug/L	206825	1	05/04/2015 16:01	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 16:01	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 16:01	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 16:01	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 16:01	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 16:01	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 16:01	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 16:01	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-21
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 7:55:00 AM
Lab ID:	1505002-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 16:01	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 16:01	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 16:01	GK
Trichloroethene	2.6	2.0		ug/L	206825	1	05/04/2015 16:01	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 16:01	GK
Vinyl chloride	3.1	2.0		ug/L	206825	1	05/04/2015 16:01	GK
1,2-Dichloroethene, Total	65	3.0		ug/L	206825	1	05/04/2015 16:01	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 16:01	GK
Surr: 4-Bromofluorobenzene	92	70.6-123		%REC	206825	1	05/04/2015 16:01	GK
Surr: Dibromofluoromethane	112	78.7-124		%REC	206825	1	05/04/2015 16:01	GK
Surr: Toluene-d8	101	81.3-120		%REC	206825	1	05/04/2015 16:01	GK
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/07/2015 07:30	PF
ION SCAN SW9056A								
Chloride	25	10		mg/L	R291322	10	05/01/2015 15:10	JW
Nitrate	0.28	0.25		mg/L	R291322	1	05/01/2015 11:54	JW
Sulfate	64	10		mg/L	R291322	10	05/01/2015 15:10	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	207069	1	05/07/2015 14:08	AB
Ethylene	BRL	7		ug/L	207069	1	05/07/2015 14:08	AB
Methane	BRL	4		ug/L	207069	1	05/07/2015 14:08	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100	H	mg/L	R290858	1	05/01/2015 08:30	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	BRL	1.00		mg/L	R291414	1	05/07/2015 11:19	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	351	10.0		mg/L	R291172	1	05/05/2015 15:41	TL
METALS, TOTAL SW6010C					**(SW3010A)**			
Manganese	BRL	0.0150		mg/L	206837	1	05/06/2015 20:08	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-7
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 8:57:00 AM
Lab ID:	1505002-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 18:03	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 18:03	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 18:03	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 18:03	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 18:03	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 18:03	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 18:03	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 18:03	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
cis-1,2-Dichloroethene	220	20		ug/L	206825	10	05/04/2015 22:30	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 18:03	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 18:03	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 18:03	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 18:03	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 18:03	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 18:03	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 18:03	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-7
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 8:57:00 AM
Lab ID:	1505002-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 18:03	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 18:03	GK
trans-1,2-Dichloroethene	2.9	2.0		ug/L	206825	1	05/04/2015 18:03	GK
Trichloroethene	23	2.0		ug/L	206825	1	05/04/2015 18:03	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:03	GK
Vinyl chloride	3.3	2.0		ug/L	206825	1	05/04/2015 18:03	GK
1,2-Dichloroethene, Total	220	30		ug/L	206825	10	05/04/2015 22:30	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 18:03	GK
Surr: 4-Bromofluorobenzene	91.8	70.6-123		%REC	206825	1	05/04/2015 18:03	GK
Surr: 4-Bromofluorobenzene	91.9	70.6-123		%REC	206825	10	05/04/2015 22:30	GK
Surr: Dibromofluoromethane	114	78.7-124		%REC	206825	1	05/04/2015 18:03	GK
Surr: Dibromofluoromethane	113	78.7-124		%REC	206825	10	05/04/2015 22:30	GK
Surr: Toluene-d8	102	81.3-120		%REC	206825	1	05/04/2015 18:03	GK
Surr: Toluene-d8	102	81.3-120		%REC	206825	10	05/04/2015 22:30	GK
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/07/2015 07:30	PF
ION SCAN SW9056A								
Chloride	17	1.0		mg/L	R291322	1	05/01/2015 12:09	JW
Nitrate	BRL	0.25		mg/L	R291322	1	05/01/2015 12:09	JW
Sulfate	47	1.0		mg/L	R291322	1	05/01/2015 12:09	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	207069	1	05/07/2015 14:31	AB
Ethylene	BRL	7		ug/L	207069	1	05/07/2015 14:31	AB
Methane	16	4		ug/L	207069	1	05/07/2015 14:31	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	05/01/2015 08:30	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	2.42	1.00		mg/L	R291414	1	05/07/2015 11:37	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	335	10.0		mg/L	R291172	1	05/05/2015 15:43	TL
METALS, TOTAL SW6010C					**(SW3010A)**			
Manganese	0.757	0.0150		mg/L	206837	1	05/06/2015 21:00	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-31
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 9:50:00 AM
Lab ID:	1505002-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 18:28	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 18:28	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
1,2-Dichloroethane	3.1	1.0		ug/L	206825	1	05/04/2015 18:28	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 18:28	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 18:28	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 18:28	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 18:28	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 18:28	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 18:28	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
cis-1,2-Dichloroethene	27	2.0		ug/L	206825	1	05/04/2015 18:28	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 18:28	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 18:28	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 18:28	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 18:28	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 18:28	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 18:28	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 18:28	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-31
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 9:50:00 AM
Lab ID:	1505002-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 18:28	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 18:28	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 18:28	GK
Trichloroethene	13	2.0		ug/L	206825	1	05/04/2015 18:28	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:28	GK
Vinyl chloride	BRL	2.0		ug/L	206825	1	05/04/2015 18:28	GK
1,2-Dichloroethene, Total	28	3.0		ug/L	206825	1	05/04/2015 18:28	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 18:28	GK
Surr: 4-Bromofluorobenzene	89.3	70.6-123		%REC	206825	1	05/04/2015 18:28	GK
Surr: Dibromofluoromethane	113	78.7-124		%REC	206825	1	05/04/2015 18:28	GK
Surr: Toluene-d8	102	81.3-120		%REC	206825	1	05/04/2015 18:28	GK
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/07/2015 07:30	PF
ION SCAN SW9056A								
Chloride	18	1.0		mg/L	R291322	1	05/01/2015 12:24	JW
Nitrate	4.9	0.25		mg/L	R291322	1	05/01/2015 12:24	JW
Sulfate	65	2.0		mg/L	R291322	2	05/01/2015 15:56	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	207069	1	05/07/2015 14:36	AB
Ethylene	BRL	7		ug/L	207069	1	05/07/2015 14:36	AB
Methane	BRL	4		ug/L	207069	1	05/07/2015 14:36	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	05/01/2015 08:30	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	BRL	1.00		mg/L	R291414	1	05/07/2015 11:54	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	289	10.0		mg/L	R291172	1	05/05/2015 15:44	TL
METALS, TOTAL SW6010C					**(SW3010A)**			
Manganese	0.234	0.0150		mg/L	206837	1	05/06/2015 21:04	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-25
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 10:45:00 AM
Lab ID:	1505002-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/07/2015 07:30	PF
METALS, DISSOLVED SW6010C					**(SW3005A)**			
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 03:11	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 03:11	IO
Arsenic	BRL	0.0500		mg/L	206740	1	05/02/2015 03:11	IO
Barium	BRL	0.0200		mg/L	206740	1	05/02/2015 03:11	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 03:11	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 03:11	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 03:11	IO
Cobalt	BRL	0.0200		mg/L	206740	1	05/02/2015 03:11	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 03:11	IO
Iron	BRL	0.100		mg/L	206740	1	05/02/2015 03:11	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 03:11	IO
Manganese	0.0168	0.0150		mg/L	206740	1	05/02/2015 03:11	IO
Nickel	BRL	0.0200		mg/L	206740	1	05/02/2015 03:11	IO
Selenium	BRL	0.0200		mg/L	206740	1	05/02/2015 03:11	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 03:11	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 03:11	IO
Tin	BRL	0.0500		mg/L	206740	1	05/02/2015 03:11	IO
Vanadium	BRL	0.0100		mg/L	206740	1	05/02/2015 03:11	IO
Zinc	BRL	0.0200		mg/L	206740	1	05/02/2015 03:11	IO
Mercury, Total SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206901	1	05/06/2015 20:12	TA
Mercury, Dissolved SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	206783	1	05/04/2015 20:37	LB
ION SCAN SW9056A								
Chloride	1.5	1.0		mg/L	R291322	1	05/01/2015 12:39	JW
Nitrate	BRL	0.25		mg/L	R291322	1	05/01/2015 12:39	JW
Sulfate	44	1.0		mg/L	R291322	1	05/01/2015 12:39	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	207069	1	05/07/2015 14:42	AB
Ethylene	BRL	7		ug/L	207069	1	05/07/2015 14:42	AB
Methane	180	4		ug/L	207069	1	05/07/2015 14:42	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	05/01/2015 08:30	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-25
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 10:45:00 AM
Lab ID:	1505002-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	BRL	1.00		mg/L	R291414	1	05/07/2015 12:08	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	104	10.0		mg/L	R291172	1	05/05/2015 15:45	TL
METALS, TOTAL SW6010C				**(SW3010A)**				
Aluminum	BRL	0.200		mg/L	206837	1	05/06/2015 21:08	JL
Antimony	BRL	0.0200		mg/L	206837	1	05/06/2015 21:08	JL
Arsenic	BRL	0.0500		mg/L	206837	1	05/06/2015 21:08	JL
Barium	BRL	0.0200		mg/L	206837	1	05/06/2015 21:08	JL
Beryllium	BRL	0.0100		mg/L	206837	1	05/06/2015 21:08	JL
Cadmium	BRL	0.0050		mg/L	206837	1	05/06/2015 21:08	JL
Chromium	BRL	0.0100		mg/L	206837	1	05/06/2015 21:08	JL
Cobalt	BRL	0.0200		mg/L	206837	1	05/06/2015 21:08	JL
Copper	0.0223	0.0100		mg/L	206837	1	05/06/2015 21:08	JL
Iron	BRL	0.100		mg/L	206837	1	05/06/2015 21:08	JL
Lead	BRL	0.0100		mg/L	206837	1	05/06/2015 21:08	JL
Manganese	0.0178	0.0150		mg/L	206837	1	05/06/2015 21:08	JL
Nickel	BRL	0.0200		mg/L	206837	1	05/06/2015 21:08	JL
Selenium	BRL	0.0200		mg/L	206837	1	05/06/2015 21:08	JL
Silver	BRL	0.0100		mg/L	206837	1	05/06/2015 21:08	JL
Thallium	BRL	0.0200		mg/L	206837	1	05/06/2015 21:08	JL
Tin	BRL	0.0500		mg/L	206837	1	05/06/2015 21:08	JL
Vanadium	BRL	0.0100		mg/L	206837	1	05/06/2015 21:08	JL
Zinc	BRL	0.0200		mg/L	206837	1	05/06/2015 21:08	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-26
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 11:45:00 AM
Lab ID:	1505002-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 18:52	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 18:52	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 18:52	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 18:52	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 18:52	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 18:52	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 18:52	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 18:52	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
cis-1,2-Dichloroethene	58	2.0		ug/L	206825	1	05/04/2015 18:52	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 18:52	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 18:52	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 18:52	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 18:52	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 18:52	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 18:52	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 18:52	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-26
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 11:45:00 AM
Lab ID:	1505002-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 18:52	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 18:52	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 18:52	GK
Trichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 18:52	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 18:52	GK
Vinyl chloride	6.6	2.0		ug/L	206825	1	05/04/2015 18:52	GK
1,2-Dichloroethene, Total	58	3.0		ug/L	206825	1	05/04/2015 18:52	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 18:52	GK
Surr: 4-Bromofluorobenzene	90.6	70.6-123		%REC	206825	1	05/04/2015 18:52	GK
Surr: Dibromofluoromethane	112	78.7-124		%REC	206825	1	05/04/2015 18:52	GK
Surr: Toluene-d8	101	81.3-120		%REC	206825	1	05/04/2015 18:52	GK
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/07/2015 07:30	PF
ION SCAN SW9056A								
Chloride	27	10		mg/L	R291322	10	05/01/2015 16:11	JW
Nitrate	BRL	2.5		mg/L	R291322	10	05/01/2015 16:11	JW
Sulfate	390	10		mg/L	R291322	10	05/01/2015 16:11	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	207069	1	05/07/2015 14:56	AB
Ethylene	BRL	7		ug/L	207069	1	05/07/2015 14:56	AB
Methane	10	4		ug/L	207069	1	05/07/2015 14:56	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	05/01/2015 08:30	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	1.42	1.00		mg/L	R291414	1	05/07/2015 12:26	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	290	10.0		mg/L	R291172	1	05/05/2015 15:46	TL
METALS, TOTAL SW6010C					**(SW3010A)**			
Manganese	0.120	0.0150		mg/L	206837	1	05/06/2015 21:11	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-8
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 12:45:00 PM
Lab ID:	1505002-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 19:16	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 19:16	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 19:16	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 19:16	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 19:16	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 19:16	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 19:16	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 19:16	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
cis-1,2-Dichloroethene	97	2.0		ug/L	206825	1	05/04/2015 19:16	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 19:16	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 19:16	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 19:16	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 19:16	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 19:16	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 19:16	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 19:16	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-8
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 12:45:00 PM
Lab ID:	1505002-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 19:16	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 19:16	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 19:16	GK
Trichloroethene	55	2.0		ug/L	206825	1	05/04/2015 19:16	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:16	GK
Vinyl chloride	5.8	2.0		ug/L	206825	1	05/04/2015 19:16	GK
1,2-Dichloroethene, Total	97	3.0		ug/L	206825	1	05/04/2015 19:16	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 19:16	GK
Surr: 4-Bromofluorobenzene	90.4	70.6-123		%REC	206825	1	05/04/2015 19:16	GK
Surr: Dibromofluoromethane	115	78.7-124		%REC	206825	1	05/04/2015 19:16	GK
Surr: Toluene-d8	103	81.3-120		%REC	206825	1	05/04/2015 19:16	GK
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	BRL	2.00		mg/L	207019	1	05/07/2015 07:30	PF
ION SCAN SW9056A								
Chloride	4.6	1.0		mg/L	R291322	1	05/01/2015 13:10	JW
Nitrate	0.92	0.25		mg/L	R291322	1	05/01/2015 13:10	JW
Sulfate	42	1.0		mg/L	R291322	1	05/01/2015 13:10	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	207069	1	05/07/2015 15:02	AB
Ethylene	BRL	7		ug/L	207069	1	05/07/2015 15:02	AB
Methane	4	4		ug/L	207069	1	05/07/2015 15:02	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	BRL	0.100		mg/L	R290858	1	05/01/2015 08:30	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	BRL	1.00		mg/L	R291414	1	05/07/2015 12:41	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	127	10.0		mg/L	R291172	1	05/05/2015 15:52	TL
METALS, TOTAL SW6010C					**(SW3010A)**			
Manganese	0.122	0.0150		mg/L	206837	1	05/06/2015 21:15	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-28
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 1:47:00 PM
Lab ID:	1505002-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 19:41	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 19:41	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 19:41	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 19:41	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 19:41	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
cis-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 19:41	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 19:41	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 19:41	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-28
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 1:47:00 PM
Lab ID:	1505002-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
Trichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 19:41	GK
Vinyl chloride	BRL	2.0		ug/L	206825	1	05/04/2015 19:41	GK
1,2-Dichloroethene, Total	BRL	3.0		ug/L	206825	1	05/04/2015 19:41	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 19:41	GK
Surr: 4-Bromofluorobenzene	91.3	70.6-123		%REC	206825	1	05/04/2015 19:41	GK
Surr: Dibromofluoromethane	115	78.7-124		%REC	206825	1	05/04/2015 19:41	GK
Surr: Toluene-d8	102	81.3-120		%REC	206825	1	05/04/2015 19:41	GK
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	2.20	2.00		mg/L	207019	1	05/07/2015 07:30	PF
ION SCAN SW9056A								
Chloride	2.2	1.0		mg/L	R291322	1	05/01/2015 13:25	JW
Nitrate	BRL	0.25		mg/L	R291322	1	05/01/2015 13:25	JW
Sulfate	42	1.0		mg/L	R291322	1	05/01/2015 13:25	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	207069	1	05/07/2015 15:09	AB
Ethylene	BRL	7		ug/L	207069	1	05/07/2015 15:09	AB
Methane	69	4		ug/L	207069	1	05/07/2015 15:09	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	0.104	0.100		mg/L	R290858	1	05/01/2015 08:30	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	BRL	1.00		mg/L	R291414	1	05/07/2015 13:03	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	233	10.0		mg/L	R291172	1	05/05/2015 15:50	TL
METALS, TOTAL SW6010C					**(SW3010A)**			
Manganese	0.0226	0.0150		mg/L	206837	1	05/06/2015 21:19	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-29
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 2:50:00 PM
Lab ID:	1505002-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
1,1,2,2-Tetrachloroethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
1,1,2-Trichloroethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
1,1-Dichloroethane	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
1,1-Dichloroethene	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
1,2,4-Trichlorobenzene	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
1,2,4-Trimethylbenzene	200	50		ug/L	206825	50	05/04/2015 17:14	GK
1,2-Dibromo-3-chloropropane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
1,2-Dibromoethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
1,2-Dichlorobenzene	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
1,2-Dichloroethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
1,4-Dichlorobenzene	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
2-Butanone	10000	500		ug/L	206825	50	05/04/2015 17:14	GK
2-Hexanone	BRL	500		ug/L	206825	50	05/04/2015 17:14	GK
4-Methyl-2-pentanone	BRL	500		ug/L	206825	50	05/04/2015 17:14	GK
Acetone	BRL	1000		ug/L	206825	50	05/04/2015 17:14	GK
Benzene	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Bromodichloromethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Bromoform	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Bromomethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Carbon disulfide	BRL	250		ug/L	206825	50	05/04/2015 17:14	GK
Carbon tetrachloride	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
Chlorobenzene	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Chloroethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Chloroform	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Chloromethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
cis-1,2-Dichloroethene	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
Cyclohexane	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
Dibromochloromethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Dichlorodifluoromethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Ethylbenzene	510	100		ug/L	206825	50	05/04/2015 17:14	GK
Freon-113	BRL	250		ug/L	206825	50	05/04/2015 17:14	GK
Isopropylbenzene	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Methyl acetate	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
Methyl tert-butyl ether	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Methylene chloride	BRL	250		ug/L	206825	50	05/04/2015 17:14	GK
n-Butylbenzene	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
n-Propylbenzene	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Naphthalene	BRL	500		ug/L	206825	50	05/04/2015 17:14	GK
sec-Butylbenzene	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
Styrene	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	MW-29
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015 2:50:00 PM
Lab ID:	1505002-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**			
Tetrachloroethene	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
Toluene	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
trans-1,2-Dichloroethene	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
Trichloroethene	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
Trichlorofluoromethane	BRL	50		ug/L	206825	50	05/04/2015 17:14	GK
Vinyl chloride	BRL	100		ug/L	206825	50	05/04/2015 17:14	GK
1,2-Dichloroethene, Total	BRL	150		ug/L	206825	50	05/04/2015 17:14	GK
Xylenes, Total	69000	2500		ug/L	206825	500	05/04/2015 22:05	GK
Surr: 4-Bromofluorobenzene	95	70.6-123		%REC	206825	500	05/04/2015 22:05	GK
Surr: 4-Bromofluorobenzene	98.2	70.6-123		%REC	206825	50	05/04/2015 17:14	GK
Surr: Dibromofluoromethane	116	78.7-124		%REC	206825	50	05/04/2015 17:14	GK
Surr: Dibromofluoromethane	117	78.7-124		%REC	206825	500	05/04/2015 22:05	GK
Surr: Toluene-d8	103	81.3-120		%REC	206825	50	05/04/2015 17:14	GK
Surr: Toluene-d8	105	81.3-120		%REC	206825	500	05/04/2015 22:05	GK
Sulfide by SW9030B/9034					**(SW9030B)**			
Sulfide	2.60	2.00		mg/L	207019	1	05/07/2015 07:30	PF
ION SCAN SW9056A								
Chloride	5.1	2.0		mg/L	R291322	2	05/01/2015 16:26	JW
Nitrate	BRL	0.50		mg/L	R291322	2	05/01/2015 16:26	JW
Sulfate	13	2.0		mg/L	R291322	2	05/01/2015 16:26	JW
GC Analysis of Gaseous Samples SOP-RSK 175					**(RSK175)**			
Ethane	BRL	9		ug/L	207069	1	05/07/2015 15:15	AB
Ethylene	BRL	7		ug/L	207069	1	05/07/2015 15:15	AB
Methane	610	20		ug/L	207069	5	05/07/2015 15:26	AB
Ferrous Iron SM3500-Fe-B								
Iron, as Ferrous (Fe+2)	1.82	0.100		mg/L	R290858	1	05/01/2015 08:30	OM
Dissolved Organic Carbon (DOC) by SM5310B								
Organic Carbon, Dissolved	45.7	1.00		mg/L	R291414	1	05/07/2015 13:16	YS
Alkalinity E310.2								
Alkalinity, Total (As CaCO3)	516	40.0		mg/L	R291172	4	05/05/2015 15:55	TL
METALS, TOTAL SW6010C					**(SW3010A)**			
Manganese	0.236	0.0150		mg/L	206837	1	05/06/2015 21:29	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	TB-3
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015
Lab ID:	1505002-010	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
1,1,2,2-Tetrachloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
1,1,2-Trichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
1,1-Dichloroethane	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
1,1-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
1,2,4-Trichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
1,2,4-Trimethylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
1,2-Dibromo-3-chloropropane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
1,2-Dibromoethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
1,2-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
1,2-Dichloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
1,4-Dichlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
2-Butanone	BRL	10		ug/L	206825	1	05/04/2015 15:36	GK
2-Hexanone	BRL	10		ug/L	206825	1	05/04/2015 15:36	GK
4-Methyl-2-pentanone	BRL	10		ug/L	206825	1	05/04/2015 15:36	GK
Acetone	BRL	20		ug/L	206825	1	05/04/2015 15:36	GK
Benzene	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Bromodichloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Bromoform	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Bromomethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Carbon disulfide	BRL	5.0		ug/L	206825	1	05/04/2015 15:36	GK
Carbon tetrachloride	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
Chlorobenzene	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Chloroethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Chloroform	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Chloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
cis-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
Cyclohexane	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
Dibromochloromethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Dichlorodifluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Ethylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
Freon-113	BRL	5.0		ug/L	206825	1	05/04/2015 15:36	GK
Isopropylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Methyl acetate	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
Methyl tert-butyl ether	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Methylene chloride	BRL	5.0		ug/L	206825	1	05/04/2015 15:36	GK
n-Butylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
n-Propylbenzene	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Naphthalene	BRL	10		ug/L	206825	1	05/04/2015 15:36	GK
sec-Butylbenzene	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
Styrene	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 11-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	TB-3
Project Name:	Kentland Closure	**Collection Date:**	4/30/2015
Lab ID:	1505002-010	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B (SW5030B)								
Tetrachloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
Toluene	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
trans-1,2-Dichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
Trichloroethene	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
Trichlorofluoromethane	BRL	1.0		ug/L	206825	1	05/04/2015 15:36	GK
Vinyl chloride	BRL	2.0		ug/L	206825	1	05/04/2015 15:36	GK
1,2-Dichloroethene, Total	BRL	3.0		ug/L	206825	1	05/04/2015 15:36	GK
Xylenes, Total	BRL	5.0		ug/L	206825	1	05/04/2015 15:36	GK
Surr: 4-Bromofluorobenzene	91.4	70.6-123		%REC	206825	1	05/04/2015 15:36	GK
Surr: Dibromofluoromethane	114	78.7-124		%REC	206825	1	05/04/2015 15:36	GK
Surr: Toluene-d8	101	81.3-120		%REC	206825	1	05/04/2015 15:36	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Lab Order: 1505002

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1505002-001A	MW-21	4/30/2015 7:55:00AM	Groundwater	Volatile Organic Compounds by GC/MS		5/4/2015 1:55:00PM	05/04/2015
1505002-001B	MW-21	4/30/2015 7:55:00AM	Groundwater	GC Analysis of Gaseous Samples		5/7/2015 12:48:00PM	05/07/2015
1505002-001C	MW-21	4/30/2015 7:55:00AM	Groundwater	Alkalinity			05/05/2015
1505002-001C	MW-21	4/30/2015 7:55:00AM	Groundwater	ION SCAN			05/01/2015
1505002-001C	MW-21	4/30/2015 7:55:00AM	Groundwater	Dissolved Organic Carbon (DOC) by SM5			05/07/2015
1505002-001D	MW-21	4/30/2015 7:55:00AM	Groundwater	TOTAL METALS BY ICP		5/5/2015 9:40:00AM	05/06/2015
1505002-001E	MW-21	4/30/2015 7:55:00AM	Groundwater	Sulfide by SW9030/9034		5/7/2015 7:30:00AM	05/07/2015
1505002-001F	MW-21	4/30/2015 7:55:00AM	Groundwater	Ferrous Iron			05/01/2015
1505002-002A	MW-7	4/30/2015 8:57:00AM	Groundwater	Volatile Organic Compounds by GC/MS		5/4/2015 1:55:00PM	05/04/2015
1505002-002B	MW-7	4/30/2015 8:57:00AM	Groundwater	GC Analysis of Gaseous Samples		5/7/2015 12:48:00PM	05/07/2015
1505002-002C	MW-7	4/30/2015 8:57:00AM	Groundwater	Alkalinity			05/05/2015
1505002-002C	MW-7	4/30/2015 8:57:00AM	Groundwater	ION SCAN			05/01/2015
1505002-002C	MW-7	4/30/2015 8:57:00AM	Groundwater	Dissolved Organic Carbon (DOC) by SM5			05/07/2015
1505002-002D	MW-7	4/30/2015 8:57:00AM	Groundwater	TOTAL METALS BY ICP		5/5/2015 9:40:00AM	05/06/2015
1505002-002E	MW-7	4/30/2015 8:57:00AM	Groundwater	Sulfide by SW9030/9034		5/7/2015 7:30:00AM	05/07/2015
1505002-002F	MW-7	4/30/2015 8:57:00AM	Groundwater	Ferrous Iron			05/01/2015
1505002-003A	MW-31	4/30/2015 9:50:00AM	Groundwater	Volatile Organic Compounds by GC/MS		5/4/2015 1:55:00PM	05/04/2015
1505002-003B	MW-31	4/30/2015 9:50:00AM	Groundwater	GC Analysis of Gaseous Samples		5/7/2015 12:48:00PM	05/07/2015
1505002-003C	MW-31	4/30/2015 9:50:00AM	Groundwater	Alkalinity			05/05/2015
1505002-003C	MW-31	4/30/2015 9:50:00AM	Groundwater	ION SCAN			05/01/2015
1505002-003C	MW-31	4/30/2015 9:50:00AM	Groundwater	Dissolved Organic Carbon (DOC) by SM5			05/07/2015
1505002-003D	MW-31	4/30/2015 9:50:00AM	Groundwater	TOTAL METALS BY ICP		5/5/2015 9:40:00AM	05/06/2015
1505002-003E	MW-31	4/30/2015 9:50:00AM	Groundwater	Sulfide by SW9030/9034		5/7/2015 7:30:00AM	05/07/2015
1505002-003F	MW-31	4/30/2015 9:50:00AM	Groundwater	Ferrous Iron			05/01/2015
1505002-004A	MW-25	4/30/2015 10:45:00AM	Groundwater	GC Analysis of Gaseous Samples		5/7/2015 12:48:00PM	05/07/2015
1505002-004B	MW-25	4/30/2015 10:45:00AM	Groundwater	TOTAL METALS BY ICP		5/5/2015 9:40:00AM	05/06/2015
1505002-004B	MW-25	4/30/2015 10:45:00AM	Groundwater	TOTAL MERCURY		5/6/2015 10:00:00AM	05/06/2015
1505002-004C	MW-25	4/30/2015 10:45:00AM	Groundwater	DISSOLVED METALS BY ICP		5/1/2015 1:20:00PM	05/02/2015
1505002-004C	MW-25	4/30/2015 10:45:00AM	Groundwater	MERCURY, DISSOLVED		5/4/2015 9:45:00AM	05/04/2015

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Lab Order: 1505002

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1505002-004D	MW-25	4/30/2015 10:45:00AM	Groundwater	Alkalinity			05/05/2015
1505002-004D	MW-25	4/30/2015 10:45:00AM	Groundwater	ION SCAN			05/01/2015
1505002-004D	MW-25	4/30/2015 10:45:00AM	Groundwater	Dissolved Organic Carbon (DOC) by SM5			05/07/2015
1505002-004E	MW-25	4/30/2015 10:45:00AM	Groundwater	Ferrous Iron			05/01/2015
1505002-004F	MW-25	4/30/2015 10:45:00AM	Groundwater	Sulfide by SW9030/9034		5/7/2015 7:30:00AM	05/07/2015
1505002-005A	MW-26	4/30/2015 11:45:00AM	Groundwater	Volatile Organic Compounds by GC/MS		5/4/2015 1:55:00PM	05/04/2015
1505002-005B	MW-26	4/30/2015 11:45:00AM	Groundwater	GC Analysis of Gaseous Samples		5/7/2015 12:48:00PM	05/07/2015
1505002-005C	MW-26	4/30/2015 11:45:00AM	Groundwater	Alkalinity			05/05/2015
1505002-005C	MW-26	4/30/2015 11:45:00AM	Groundwater	ION SCAN			05/01/2015
1505002-005C	MW-26	4/30/2015 11:45:00AM	Groundwater	Dissolved Organic Carbon (DOC) by SM5			05/07/2015
1505002-005D	MW-26	4/30/2015 11:45:00AM	Groundwater	TOTAL METALS BY ICP		5/5/2015 9:40:00AM	05/06/2015
1505002-005E	MW-26	4/30/2015 11:45:00AM	Groundwater	Sulfide by SW9030/9034		5/7/2015 7:30:00AM	05/07/2015
1505002-005F	MW-26	4/30/2015 11:45:00AM	Groundwater	Ferrous Iron			05/01/2015
1505002-006A	MW-8	4/30/2015 12:45:00PM	Groundwater	Volatile Organic Compounds by GC/MS		5/4/2015 1:55:00PM	05/04/2015
1505002-006B	MW-8	4/30/2015 12:45:00PM	Groundwater	GC Analysis of Gaseous Samples		5/7/2015 12:48:00PM	05/07/2015
1505002-006C	MW-8	4/30/2015 12:45:00PM	Groundwater	Alkalinity			05/05/2015
1505002-006C	MW-8	4/30/2015 12:45:00PM	Groundwater	ION SCAN			05/01/2015
1505002-006C	MW-8	4/30/2015 12:45:00PM	Groundwater	Dissolved Organic Carbon (DOC) by SM5			05/07/2015
1505002-006D	MW-8	4/30/2015 12:45:00PM	Groundwater	TOTAL METALS BY ICP		5/5/2015 9:40:00AM	05/06/2015
1505002-006E	MW-8	4/30/2015 12:45:00PM	Groundwater	Sulfide by SW9030/9034		5/7/2015 7:30:00AM	05/07/2015
1505002-006F	MW-8	4/30/2015 12:45:00PM	Groundwater	Ferrous Iron			05/01/2015
1505002-007A	MW-28	4/30/2015 1:47:00PM	Groundwater	Volatile Organic Compounds by GC/MS		5/4/2015 1:55:00PM	05/04/2015
1505002-007B	MW-28	4/30/2015 1:47:00PM	Groundwater	GC Analysis of Gaseous Samples		5/7/2015 12:48:00PM	05/07/2015
1505002-007C	MW-28	4/30/2015 1:47:00PM	Groundwater	Alkalinity			05/05/2015
1505002-007C	MW-28	4/30/2015 1:47:00PM	Groundwater	ION SCAN			05/01/2015
1505002-007C	MW-28	4/30/2015 1:47:00PM	Groundwater	Dissolved Organic Carbon (DOC) by SM5			05/07/2015
1505002-007D	MW-28	4/30/2015 1:47:00PM	Groundwater	TOTAL METALS BY ICP		5/5/2015 9:40:00AM	05/06/2015
1505002-007E	MW-28	4/30/2015 1:47:00PM	Groundwater	Sulfide by SW9030/9034		5/7/2015 7:30:00AM	05/07/2015
1505002-007F	MW-28	4/30/2015 1:47:00PM	Groundwater	Ferrous Iron			05/01/2015

Analytical Environmental Services, Inc

Date: 12-May-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Lab Order: 1505002

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1505002-008A	MW-29	4/30/2015 2:50:00PM	Groundwater	Volatile Organic Compounds by GC/MS		5/4/2015 1:55:00PM	05/04/2015
1505002-008B	MW-29	4/30/2015 2:50:00PM	Groundwater	GC Analysis of Gaseous Samples		5/7/2015 12:48:00PM	05/07/2015
1505002-008C	MW-29	4/30/2015 2:50:00PM	Groundwater	Alkalinity			05/05/2015
1505002-008C	MW-29	4/30/2015 2:50:00PM	Groundwater	ION SCAN			05/01/2015
1505002-008C	MW-29	4/30/2015 2:50:00PM	Groundwater	Dissolved Organic Carbon (DOC) by SM5			05/07/2015
1505002-008D	MW-29	4/30/2015 2:50:00PM	Groundwater	TOTAL METALS BY ICP		5/5/2015 9:40:00AM	05/06/2015
1505002-008E	MW-29	4/30/2015 2:50:00PM	Groundwater	Sulfide by SW9030/9034		5/7/2015 7:30:00AM	05/07/2015
1505002-008F	MW-29	4/30/2015 2:50:00PM	Groundwater	Ferrous Iron			05/01/2015
1505002-009A	IDW-1	4/30/2015 3:20:00PM	Groundwater	Volatile Organic Compounds by GC/MS		5/4/2015 1:55:00PM	05/04/2015
1505002-009B	IDW-1	4/30/2015 3:20:00PM	Groundwater	TOTAL METALS BY ICP		5/5/2015 9:40:00AM	05/06/2015
1505002-009B	IDW-1	4/30/2015 3:20:00PM	Groundwater	TOTAL MERCURY		5/6/2015 10:00:00AM	05/06/2015
1505002-009C	IDW-1	4/30/2015 3:20:00PM	Groundwater	DISSOLVED METALS BY ICP		5/1/2015 1:20:00PM	05/02/2015
1505002-009C	IDW-1	4/30/2015 3:20:00PM	Groundwater	MERCURY, DISSOLVED		5/4/2015 9:45:00AM	05/04/2015
1505002-010A	TB-3	4/30/2015 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		5/4/2015 1:55:00PM	05/04/2015

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **206740**

Sample ID: **MB-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MBLK** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193034**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200									
Antimony	BRL	0.0200									
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Beryllium	BRL	0.0100									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Iron	BRL	0.100									
Lead	BRL	0.0100									
Manganese	BRL	0.0150									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									
Thallium	BRL	0.0200									
Tin	BRL	0.0500									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193035**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.792	0.200	10.00		97.9	80	120				
Antimony	0.9878	0.0200	1.000		98.8	80	120				
Arsenic	0.9402	0.0500	1.000		94.0	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **206740**

Sample ID: **LCS-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193035**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Barium	0.9771	0.0200	1.000		97.7	80	120				
Beryllium	0.9705	0.0100	1.000		97.0	80	120				
Cadmium	0.9746	0.0050	1.000		97.5	80	120				
Chromium	0.9350	0.0100	1.000		93.5	80	120				
Cobalt	0.9670	0.0200	1.000		96.7	80	120				
Copper	0.9586	0.0100	1.000		95.9	80	120				
Iron	9.633	0.100	10.00	0.01503	96.2	80	120				
Lead	0.9612	0.0100	1.000		96.1	80	120				
Manganese	0.9761	0.0150	1.000	0.005733	97.0	80	120				
Nickel	0.9699	0.0200	1.000		97.0	80	120				
Selenium	0.8514	0.0200	1.000		85.1	80	120				
Silver	0.09727	0.0100	0.1000		97.3	80	120				
Thallium	0.9776	0.0200	1.000		97.8	80	120				
Tin	0.9388	0.0500	1.000		93.9	80	120				
Vanadium	0.9684	0.0100	1.000		96.8	80	120				
Zinc	0.9766	0.0200	1.000		97.7	80	120				

Sample ID: **1504O40-001BMS** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.615	0.200	10.00		96.2	75	125				
Antimony	0.9777	0.0200	1.000		97.8	75	125				
Arsenic	0.9386	0.0500	1.000	0.003312	93.5	75	125				
Barium	1.027	0.0200	1.000	0.06964	95.7	75	125				
Beryllium	0.9528	0.0100	1.000		95.3	75	125				
Cadmium	0.9585	0.0050	1.000		95.9	75	125				
Chromium	0.9438	0.0100	1.000	0.002112	94.2	75	125				

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: 206740

Sample ID: **1504O40-001BMS** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cobalt	0.9989	0.0200	1.000	0.05399	94.5	75	125				
Copper	0.9519	0.0100	1.000		95.2	75	125				
Iron	9.598	0.100	10.00	0.05247	95.5	75	125				
Lead	0.9391	0.0100	1.000	0.002573	93.7	75	125				
Manganese	9.332	0.0150	1.000	8.934	39.8	75	125				S
Nickel	0.9533	0.0200	1.000	0.004755	94.9	75	125				
Selenium	0.8626	0.0200	1.000	0.02796	83.5	75	125				
Silver	0.09541	0.0100	0.1000		95.4	75	125				
Thallium	0.9637	0.0200	1.000		96.4	75	125				
Tin	0.9218	0.0500	1.000	0.005259	91.7	75	125				
Vanadium	0.9547	0.0100	1.000		95.5	75	125				
Zinc	0.9630	0.0200	1.000	0.01174	95.1	75	125				

Sample ID: **1504O40-001BMSD** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MSD** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.693	0.200	10.00		96.9	75	125	9.615	0.804	20	
Antimony	0.9802	0.0200	1.000		98.0	75	125	0.9777	0.247	20	
Arsenic	0.9530	0.0500	1.000	0.003312	95.0	75	125	0.9386	1.52	20	
Barium	1.031	0.0200	1.000	0.06964	96.1	75	125	1.027	0.374	20	
Beryllium	0.9648	0.0100	1.000		96.5	75	125	0.9528	1.24	20	
Cadmium	0.9660	0.0050	1.000		96.6	75	125	0.9585	0.778	20	
Chromium	0.9508	0.0100	1.000	0.002112	94.9	75	125	0.9438	0.740	20	
Cobalt	1.004	0.0200	1.000	0.05399	95.0	75	125	0.9989	0.551	20	
Copper	0.9612	0.0100	1.000		96.1	75	125	0.9519	0.971	20	
Iron	9.585	0.100	10.00	0.05247	95.3	75	125	9.598	0.129	20	
Lead	0.9447	0.0100	1.000	0.002573	94.2	75	125	0.9391	0.593	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **206740**

Sample ID: **1504O40-001BMSD** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MSD** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Manganese	9.275	0.0150	1.000	8.934	34.1	75	125	9.332	0.619	20	S
Nickel	0.9575	0.0200	1.000	0.004755	95.3	75	125	0.9533	0.431	20	
Selenium	0.8995	0.0200	1.000	0.02796	87.2	75	125	0.8626	4.18	20	
Silver	0.09614	0.0100	0.1000		96.1	75	125	0.09541	0.762	20	
Thallium	0.9672	0.0200	1.000		96.7	75	125	0.9637	0.357	20	
Tin	0.9267	0.0500	1.000	0.005259	92.1	75	125	0.9218	0.526	20	
Vanadium	0.9606	0.0100	1.000		96.1	75	125	0.9547	0.617	20	
Zinc	0.9683	0.0200	1.000	0.01174	95.7	75	125	0.9630	0.542	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: 206783

Sample ID: **MB-206783** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291114**
SampleType: **MBLK** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206783** Analysis Date: **05/04/2015** Seq No: **6193445**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-206783** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291114**
SampleType: **LCS** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206783** Analysis Date: **05/04/2015** Seq No: **6193447**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005217	0.00020	0.0050		104	80	120				

Sample ID: **1504P09-005CMS** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291114**
SampleType: **MS** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206783** Analysis Date: **05/04/2015** Seq No: **6193451**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004671	0.00020	0.0050		93.4	70	130				

Sample ID: **1504P09-005CMSD** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291114**
SampleType: **MSD** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206783** Analysis Date: **05/04/2015** Seq No: **6193453**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004862	0.00020	0.0050		97.2	70	130	0.004671	4.01	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **206825**

Sample ID: **MB-206825** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6191924**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2,4-Trimethylbenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloroethene, Total	BRL	3.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **206825**

Sample ID: **MB-206825** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6191924**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylene chloride	BRL	5.0									
n-Butylbenzene	BRL	1.0									
n-Propylbenzene	BRL	1.0									
Naphthalene	BRL	5.0									
sec-Butylbenzene	BRL	2.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	45.38	0	50.00		90.8	70.6	123				
Surr: Dibromofluoromethane	56.04	0	50.00		112	78.7	124				
Surr: Toluene-d8	51.65	0	50.00		103	81.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: 206825

Sample ID: **LCS-206825** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6191923**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	38.08	2.0	50.00		76.2	64.2	137				
Benzene	42.47	1.0	50.00		84.9	72.8	128				
Chlorobenzene	47.86	1.0	50.00		95.7	72.3	126				
Toluene	45.62	1.0	50.00		91.2	74.9	127				
Trichloroethene	48.03	1.0	50.00		96.1	70.5	134				
Surr: 4-Bromofluorobenzene	46.41	0	50.00		92.8	70.6	123				
Surr: Dibromofluoromethane	56.42	0	50.00		113	78.7	124				
Surr: Toluene-d8	50.63	0	50.00		101	81.3	120				

Sample ID: **1505002-001AMS** Client ID: **MW-21** Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6192248**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	36.92	2.0	50.00		73.8	60.5	156				
Benzene	44.38	1.0	50.00		88.8	70	135				
Chlorobenzene	49.31	1.0	50.00		98.6	70.5	132				
Toluene	47.82	1.0	50.00		95.6	70.5	137				
Trichloroethene	51.32	1.0	50.00	2.590	97.5	71.8	139				
Surr: 4-Bromofluorobenzene	46.09	0	50.00		92.2	70.6	123				
Surr: Dibromofluoromethane	56.85	0	50.00		114	78.7	124				
Surr: Toluene-d8	50.31	0	50.00		101	81.3	120				

Sample ID: **1505002-001AMSD** Client ID: **MW-21** Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6192305**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	35.11	2.0	50.00		70.2	60.5	156	36.92	5.03	20	
Benzene	42.44	1.0	50.00		84.9	70	135	44.38	4.47	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **206825**

Sample ID: **1505002-001AMSD** Client ID: **MW-21** Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6192305**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	47.96	1.0	50.00		95.9	70.5	132	49.31	2.78	20	
Toluene	45.47	1.0	50.00		90.9	70.5	137	47.82	5.04	20	
Trichloroethene	49.59	1.0	50.00	2.590	94.0	71.8	139	51.32	3.43	20	
Surr: 4-Bromofluorobenzene	45.83	0	50.00		91.7	70.6	123	46.09	0	0	
Surr: Dibromofluoromethane	56.33	0	50.00		113	78.7	124	56.85	0	0	
Surr: Toluene-d8	50.67	0	50.00		101	81.3	120	50.31	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **206837**

Sample ID: **MB-206837** Client ID: Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197867**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200									
Antimony	BRL	0.0200									
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Beryllium	BRL	0.0100									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Iron	BRL	0.100									
Lead	BRL	0.0100									
Manganese	BRL	0.0150									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									
Thallium	BRL	0.0200									
Tin	0.07477	0.0500									B
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-206837** Client ID: Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197868**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.433	0.200	10.00		94.3	80	120				
Antimony	0.9582	0.0200	1.000		95.8	80	120				
Arsenic	0.9593	0.0500	1.000		95.9	80	120				
Barium	0.9329	0.0200	1.000		93.3	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **206837**

Sample ID: **LCS-206837** Client ID: Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197868**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium	0.9609	0.0100	1.000		96.1	80	120				
Cadmium	0.9578	0.0050	1.000		95.8	80	120				
Chromium	0.9300	0.0100	1.000	0.0007842	92.9	80	120				
Cobalt	0.9568	0.0200	1.000		95.7	80	120				
Copper	0.9391	0.0100	1.000		93.9	80	120				
Iron	9.570	0.100	10.00		95.7	80	120				
Lead	0.9465	0.0100	1.000	0.006174	94.0	80	120				
Manganese	0.9551	0.0150	1.000		95.5	80	120				
Nickel	0.9514	0.0200	1.000		95.1	80	120				
Selenium	0.9100	0.0200	1.000		91.0	80	120				
Silver	0.09417	0.0100	0.1000		94.2	80	120				
Thallium	0.9322	0.0200	1.000		93.2	80	120				
Tin	0.9332	0.0500	1.000	0.07477	85.8	80	120				B
Vanadium	0.9530	0.0100	1.000		95.3	80	120				
Zinc	0.9556	0.0200	1.000		95.6	80	120				

Sample ID: **1505002-001DMS** Client ID: **MW-21** Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197870**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.671	0.200	10.00		96.7	75	125				
Antimony	0.9896	0.0200	1.000		99.0	75	125				
Arsenic	0.9977	0.0500	1.000	0.004116	99.4	75	125				
Barium	0.9940	0.0200	1.000	0.04380	95.0	75	125				
Beryllium	0.9684	0.0100	1.000		96.8	75	125				
Cadmium	0.9751	0.0050	1.000		97.5	75	125				
Chromium	0.9447	0.0100	1.000	0.0009728	94.4	75	125				
Cobalt	0.9493	0.0200	1.000		94.9	75	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **206837**

Sample ID: **1505002-001DMS** Client ID: **MW-21** Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197870**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Copper	0.9563	0.0100	1.000		95.6	75	125				
Iron	9.654	0.100	10.00	0.04756	96.1	75	125				
Lead	0.9487	0.0100	1.000		94.9	75	125				
Manganese	0.9704	0.0150	1.000	0.01464	95.6	75	125				
Nickel	0.9411	0.0200	1.000		94.1	75	125				
Selenium	0.9633	0.0200	1.000	0.03215	93.1	75	125				
Silver	0.09749	0.0100	0.1000		97.5	75	125				
Thallium	0.9619	0.0200	1.000		96.2	75	125				
Tin	0.9483	0.0500	1.000		94.8	75	125				B
Vanadium	0.9690	0.0100	1.000		96.9	75	125				
Zinc	0.9557	0.0200	1.000		95.6	75	125				

Sample ID: **1505002-001DMSD** Client ID: **MW-21** Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197871**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.765	0.200	10.00		97.7	75	125	9.671	0.969	20	
Antimony	1.005	0.0200	1.000		100	75	125	0.9896	1.51	20	
Arsenic	1.015	0.0500	1.000	0.004116	101	75	125	0.9977	1.73	20	
Barium	1.006	0.0200	1.000	0.04380	96.2	75	125	0.9940	1.20	20	
Beryllium	0.9766	0.0100	1.000		97.7	75	125	0.9684	0.837	20	
Cadmium	0.9853	0.0050	1.000		98.5	75	125	0.9751	1.04	20	
Chromium	0.9594	0.0100	1.000	0.0009728	95.8	75	125	0.9447	1.54	20	
Cobalt	0.9608	0.0200	1.000		96.1	75	125	0.9493	1.20	20	
Copper	0.9681	0.0100	1.000		96.8	75	125	0.9563	1.23	20	
Iron	9.778	0.100	10.00	0.04756	97.3	75	125	9.654	1.27	20	
Lead	0.9599	0.0100	1.000		96.0	75	125	0.9487	1.17	20	
Manganese	0.9823	0.0150	1.000	0.01464	96.8	75	125	0.9704	1.21	20	

Qualifiers:
- > Greater than Result value
- BRL Below reporting limit
- J Estimated value detected below Reporting Limit
- Rpt Lim Reporting Limit
- < Less than Result value
- E Estimated (value above quantitation range)
- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix
- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: 206837

Sample ID: **1505002-001DMSD** Client ID: **MW-21** Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197871**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nickel	0.9514	0.0200	1.000		95.1	75	125	0.9411	1.09	20	
Selenium	1.001	0.0200	1.000	0.03215	96.9	75	125	0.9633	3.88	20	
Silver	0.09858	0.0100	0.1000		98.6	75	125	0.09749	1.12	20	
Thallium	0.9737	0.0200	1.000		97.4	75	125	0.9619	1.21	20	
Tin	0.9625	0.0500	1.000		96.2	75	125	0.9483	1.48	20	B
Vanadium	0.9830	0.0100	1.000		98.3	75	125	0.9690	1.44	20	
Zinc	0.9670	0.0200	1.000		96.7	75	125	0.9557	1.17	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: 206901

Sample ID: **MB-206901** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197984**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-206901** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **LCS** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197985**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005053	0.00020	0.0050		101	80	120				

Sample ID: **1504P73-009AMS** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **MS** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197987**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004151	0.00020	0.0050		83.0	70	130				

Sample ID: **1504P73-009AMSD** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197990**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004201	0.00020	0.0050		84.0	70	130	0.004151	1.20	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: 207019

Sample ID: **MB-207019** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291262**
SampleType: **MBLK** TestCode: **Sulfide by SW9030B/9034** BatchID: **207019** Analysis Date: **05/06/2015** Seq No: **6196781**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	BRL	2.00									

Sample ID: **1504P73-001DMS** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291262**
SampleType: **MS** TestCode: **Sulfide by SW9030B/9034** BatchID: **207019** Analysis Date: **05/06/2015** Seq No: **6196794**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	14.80	2.00	15.60	0.4000	92.3	73.7	120				

Sample ID: **1505002-001EMS** Client ID: **MW-21** Units: **mg/L** Prep Date: **05/07/2015** Run No: **291262**
SampleType: **MS** TestCode: **Sulfide by SW9030B/9034** BatchID: **207019** Analysis Date: **05/07/2015** Seq No: **6199683**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	14.60	2.00	15.60	1.400	84.6	73.7	120				

Sample ID: **1504P73-001DMSD** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291262**
SampleType: **MSD** TestCode: **Sulfide by SW9030B/9034** BatchID: **207019** Analysis Date: **05/06/2015** Seq No: **6196795**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	14.60	2.00	15.60	0.4000	91.0	73.7	120	14.80	1.36	20	

Sample ID: **1505002-001EMSD** Client ID: **MW-21** Units: **mg/L** Prep Date: **05/07/2015** Run No: **291262**
SampleType: **MSD** TestCode: **Sulfide by SW9030B/9034** BatchID: **207019** Analysis Date: **05/07/2015** Seq No: **6199684**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Sulfide	15.00	2.00	15.60	1.400	87.2	73.7	120	14.60	2.70	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: 207069

Sample ID: **MB-207069** Client ID: Units: **ug/L** Prep Date: **05/07/2015** Run No: **291363**
SampleType: **MBLK** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **207069** Analysis Date: **05/07/2015** Seq No: **6199702**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	BRL	9									
Ethylene	BRL	7									
Methane	BRL	4									

Sample ID: **LCS-207069** Client ID: Units: **ug/L** Prep Date: **05/07/2015** Run No: **291363**
SampleType: **LCS** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **207069** Analysis Date: **05/07/2015** Seq No: **6199703**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	124.7	9	200.0		62.4	41.2	115				
Ethylene	82.18	7	200.0		41.1	26.5	115				
Methane	134.5	4	200.0		67.3	45.1	115				

Sample ID: **LCSD-207069** Client ID: Units: **ug/L** Prep Date: **05/07/2015** Run No: **291363**
SampleType: **LCSD** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **207069** Analysis Date: **05/07/2015** Seq No: **6199704**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	120.1	9	200.0		60.1	41.2	115	124.7	3.75	20	
Ethylene	79.43	7	200.0		39.7	26.5	115	82.18	3.40	20	
Methane	129.2	4	200.0		64.6	45.1	115	134.5	4.01	20	

Sample ID: **1505002-001BMS** Client ID: **MW-21** Units: **ug/L** Prep Date: **05/07/2015** Run No: **291363**
SampleType: **MS** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **207069** Analysis Date: **05/07/2015** Seq No: **6199706**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	87.85	9	200.0		43.9	40.5	115				
Ethylene	58.83	7	200.0		29.4	25.1	115				
Methane	112.0	4	200.0	3.046	54.5	40.4	115				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **207069**

Sample ID: **1505002-001BMSD** Client ID: **MW-21** Units: **ug/L** Prep Date: **05/07/2015** Run No: **291363**
SampleType: **MSD** TestCode: **GC Analysis of Gaseous Samples SOP-RSK 175** BatchID: **207069** Analysis Date: **05/07/2015** Seq No: **6199707**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethane	89.38	9	200.0		44.7	40.5	115	87.85	1.73	20	
Ethylene	59.67	7	200.0		29.8	25.1	115	58.83	1.42	20	
Methane	114.7	4	200.0	3.046	55.8	40.4	115	112.0	2.36	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **R290858**

Sample ID: **MB-R290858** Client ID: Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **MBLK** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **04/30/2015** Seq No: **6187450**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	BRL	0.100									

Sample ID: **LCS-R290858** Client ID: Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **LCS** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **04/30/2015** Seq No: **6187451**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.4927	0.100	0.5000		98.5	85	115				

Sample ID: **1504P73-001EMS** Client ID: Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **MS** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **04/30/2015** Seq No: **6187604**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.5234	0.100	0.5000	0.03190	98.3	80	120				

Sample ID: **1505002-001FMS** Client ID: **MW-21** Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **MS** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **05/01/2015** Seq No: **6191350**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.5311	0.100	0.5000		106	80	120				H

Sample ID: **1504P73-001EMSD** Client ID: Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **MSD** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **04/30/2015** Seq No: **6187606**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.5260	0.100	0.5000	0.03190	98.8	80	120	0.5234	0.496	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 9-Jun-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **R290858**

Sample ID: **1505002-001FMSD** Client ID: **MW-21** Units: **mg/L** Prep Date: Run No: **290858**
SampleType: **MSD** TestCode: **Ferrous Iron** **SM3500-Fe-B** BatchID: **R290858** Analysis Date: **05/01/2015** Seq No: **6191351**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Iron, as Ferrous (Fe+2)	0.4901	0.100	0.5000		98.0	80	120	0.5311	8.03	30	H

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **R291172**

Sample ID: **MB-R291172** Client ID: Units: **mg/L** Prep Date: Run No: **291172**
SampleType: **MBLK** TestCode: **Alkalinity E310.2** BatchID: **R291172** Analysis Date: **05/05/2015** Seq No: **6194656**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	BRL	10.0									

Sample ID: **LCS-R291172** Client ID: Units: **mg/L** Prep Date: Run No: **291172**
SampleType: **LCS** TestCode: **Alkalinity E310.2** BatchID: **R291172** Analysis Date: **05/05/2015** Seq No: **6194657**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	242.0	10.0	250.0	9.180	93.1	90	110				

Sample ID: **1505002-001CDUP** Client ID: **MW-21** Units: **mg/L** Prep Date: Run No: **291172**
SampleType: **DUP** TestCode: **Alkalinity E310.2** BatchID: **R291172** Analysis Date: **05/05/2015** Seq No: **6194763**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Alkalinity, Total (As CaCO3)	355.0	10.0						351.0	1.13	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **R291322**

Sample ID: **MB-R291322** Client ID: Units: **mg/L** Prep Date: Run No: **291322**
SampleType: **MBLK** TestCode: **ION SCAN SW9056A** BatchID: **R291322** Analysis Date: **05/01/2015** Seq No: **6198295**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	BRL	1.0									
Nitrate	BRL	0.25									
Sulfate	BRL	1.0									

Sample ID: **LCS-R291322** Client ID: Units: **mg/L** Prep Date: Run No: **291322**
SampleType: **LCS** TestCode: **ION SCAN SW9056A** BatchID: **R291322** Analysis Date: **05/01/2015** Seq No: **6198294**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	5.064	1.0	5.000		101	90	110				
Nitrate	4.914	0.25	5.000		98.3	90	110				
Sulfate	25.23	1.0	25.00		101	90	110				

Sample ID: **1505002-001CMS** Client ID: **MW-21** Units: **mg/L** Prep Date: Run No: **291322**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R291322** Analysis Date: **05/01/2015** Seq No: **6198308**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	69.93	10	50.00	24.72	90.4	90	110				
Nitrate	47.43	2.5	50.00		94.9	90	110				
Sulfate	306.1	10	250.0	64.12	96.8	90	110				

Sample ID: **1505002-001CMSD** Client ID: **MW-21** Units: **mg/L** Prep Date: Run No: **291322**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R291322** Analysis Date: **05/01/2015** Seq No: **6198309**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	68.00	10	50.00	24.72	86.6	90	110	69.93	2.79	20	S
Nitrate	46.18	2.5	50.00		92.4	90	110	47.43	2.67	20	
Sulfate	299.2	10	250.0	64.12	94.0	90	110	306.1	2.29	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Closure
Workorder: 1505002

ANALYTICAL QC SUMMARY REPORT

BatchID: **R291414**

Sample ID: **MB-R291414** Client ID: Units: **mg/L** Prep Date: Run No: **291414**
SampleType: **MBLK** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291414** Analysis Date: **05/07/2015** Seq No: **6202174**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	BRL	1.00									

Sample ID: **LCS-R291414** Client ID: Units: **mg/L** Prep Date: Run No: **291414**
SampleType: **LCS** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291414** Analysis Date: **05/07/2015** Seq No: **6202173**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	23.84	1.00	25.00		95.4	90	110				

Sample ID: **1505002-001CMS** Client ID: **MW-21** Units: **mg/L** Prep Date: Run No: **291414**
SampleType: **MS** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291414** Analysis Date: **05/07/2015** Seq No: **6202188**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	121.0	5.00	125.0		96.8	80	120				

Sample ID: **1505002-001CMSD** Client ID: **MW-21** Units: **mg/L** Prep Date: Run No: **291414**
SampleType: **MSD** TestCode: **Dissolved Organic Carbon (DOC) by SM5310B** BatchID: **R291414** Analysis Date: **05/07/2015** Seq No: **6202189**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Organic Carbon, Dissolved	120.6	5.00	125.0		96.5	80	120	121.0	0.331	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 12, 2015

Terry D. Snell
Bon L Manufacturing Co.
25 Bonnell St
Newnan GA 30263

TEL: (770) 253-2020
FAX: (770) 254-7711

RE: Kentland Remediation

Dear Terry D. Snell: Order No: 1506B91

Analytical Environmental Services, Inc. received 1 samples on 5/1/2015 7:45:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/14-06/30/15.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/15.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Nicole Jessup
Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

1506B91
~~1505002~~ WJ 6/11

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure	Project No.	Bon L Project Contact	Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonlalum.com

Laboratory Name and Address:	E-Mail Reports To Bon L Project Contact and:	
Analytical Enviommental Services	Terry Snell (tdsnell@bonlalum.com)	
3785 Presidential Parkway	Michael LaPrade (michael.laprade@amecfw.com)	
Atlanta, GA 30340	Leslie Miller (leslie.miller@amecfw.com)	
Laboratory Project Manager:		
Nicole Jessup Phone 770-457-8177 ext 246		
E-Mail njessup@aesatlanta.com		
Requested Turn Around Time:		
5-7 Business Days (Standard)		
In Case Of Problems With Samples Contact:	Send Invoice To:	apinvoices@bonlalum.com
Terry Snell (C: 404-431-0028)	For Approval By:	
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	PO # Or Billing Code:	9.2070.25

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by SW8260B (See Attached Table)	Total and Dissolved Metals by SW6010C (See Attached Table)	Mercury by 7470A	Methane, Ethane, Ethene by SOP-RSK 175	Nitrate, Sulfate, Chloride by SW9056A	Ferrous Iron by SM 3500-Fe-B	Manganese by SW6010C	Sulfide by SW9034	Alkalinity by E310.2	Dissolved Organic Carbon by 5310B	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
4/30	1520	GW	2			IDW-1			X	X	X									
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: Zn Acetate and NaOH									1	1	1	1	1	1	1	1	1	1		
									2	4	4				4	6		3		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Tom McNally	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Tom McNally	SIGNATURE:	DATE/TIME: 4-30-15 1815	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME: AMEC FW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		ICE:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:
COMPANY NAME:			COMPANY NAME:		pH:

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE:
CUSTODY INTACT YES NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

Analytical Environmental Services, Inc

Date: 12-Jun-15

Client: Bon L Manufacturing Co.
Project: Kentland Remediation
Lab ID: 1506B91

Case Narrative

Per Michael LaPrade via email, sample IDW-1 was split from workorder 1505002 to report seperately.

Volatiles Organic Compounds Analysis by Method 8260B:

Due to sample matrix, samples 1506B91-001A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 12-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	IDW-1
Project Name:	Kentland Remediation	**Collection Date:**	4/30/2015 3:20:00 PM
Lab ID:	1506B91-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	**SW8260B**				**(SW5030B)**			
1,1,1-Trichloroethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
1,1,2,2-Tetrachloroethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
1,1,2-Trichloroethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
1,1-Dichloroethane	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
1,1-Dichloroethene	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
1,2,4-Trichlorobenzene	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
1,2,4-Trimethylbenzene	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
1,2-Dibromo-3-chloropropane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
1,2-Dibromoethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
1,2-Dichlorobenzene	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
1,2-Dichloroethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
1,4-Dichlorobenzene	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
2-Butanone	2100	500		ug/L	206825	50	05/04/2015 17:39	GK
2-Hexanone	BRL	500		ug/L	206825	50	05/04/2015 17:39	GK
4-Methyl-2-pentanone	BRL	500		ug/L	206825	50	05/04/2015 17:39	GK
Acetone	BRL	1000		ug/L	206825	50	05/04/2015 17:39	GK
Benzene	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Bromodichloromethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Bromoform	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Bromomethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Carbon disulfide	BRL	250		ug/L	206825	50	05/04/2015 17:39	GK
Carbon tetrachloride	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
Chlorobenzene	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Chloroethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Chloroform	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Chloromethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
cis-1,2-Dichloroethene	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
Cyclohexane	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
Dibromochloromethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Dichlorodifluoromethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Ethylbenzene	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
Freon-113	BRL	250		ug/L	206825	50	05/04/2015 17:39	GK
Isopropylbenzene	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Methyl acetate	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
Methyl tert-butyl ether	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Methylene chloride	BRL	250		ug/L	206825	50	05/04/2015 17:39	GK
n-Butylbenzene	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
n-Propylbenzene	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Naphthalene	BRL	500		ug/L	206825	50	05/04/2015 17:39	GK
sec-Butylbenzene	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
Styrene	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 12-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	IDW-1
Project Name:	Kentland Remediation	**Collection Date:**	4/30/2015 3:20:00 PM
Lab ID:	1506B91-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				**(SW5030B)**				
Tetrachloroethene	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
Toluene	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
trans-1,2-Dichloroethene	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
Trichloroethene	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
Trichlorofluoromethane	BRL	50		ug/L	206825	50	05/04/2015 17:39	GK
Vinyl chloride	BRL	100		ug/L	206825	50	05/04/2015 17:39	GK
1,2-Dichloroethene, Total	BRL	150		ug/L	206825	50	05/04/2015 17:39	GK
Xylenes, Total	13000	250		ug/L	206825	50	05/04/2015 17:39	GK
Surr: 4-Bromofluorobenzene	93.2	70.6-123		%REC	206825	50	05/04/2015 17:39	GK
Surr: Dibromofluoromethane	114	78.7-124		%REC	206825	50	05/04/2015 17:39	GK
Surr: Toluene-d8	103	81.3-120		%REC	206825	50	05/04/2015 17:39	GK
METALS, DISSOLVED SW6010C				**(SW3005A)**				
Aluminum	BRL	0.200		mg/L	206740	1	05/02/2015 03:15	IO
Antimony	BRL	0.0200		mg/L	206740	1	05/02/2015 03:15	IO
Arsenic	BRL	0.0500		mg/L	206740	1	05/02/2015 03:15	IO
Barium	0.0372	0.0200		mg/L	206740	1	05/02/2015 03:15	IO
Beryllium	BRL	0.0100		mg/L	206740	1	05/02/2015 03:15	IO
Cadmium	BRL	0.0050		mg/L	206740	1	05/02/2015 03:15	IO
Chromium	BRL	0.0100		mg/L	206740	1	05/02/2015 03:15	IO
Cobalt	BRL	0.0200		mg/L	206740	1	05/02/2015 03:15	IO
Copper	BRL	0.0100		mg/L	206740	1	05/02/2015 03:15	IO
Iron	0.926	0.100		mg/L	206740	1	05/02/2015 03:15	IO
Lead	BRL	0.0100		mg/L	206740	1	05/02/2015 03:15	IO
Manganese	0.127	0.0150		mg/L	206740	1	05/02/2015 03:15	IO
Nickel	BRL	0.0200		mg/L	206740	1	05/02/2015 03:15	IO
Selenium	BRL	0.0200		mg/L	206740	1	05/02/2015 03:15	IO
Silver	BRL	0.0100		mg/L	206740	1	05/02/2015 03:15	IO
Thallium	BRL	0.0200		mg/L	206740	1	05/02/2015 03:15	IO
Tin	BRL	0.0500		mg/L	206740	1	05/02/2015 03:15	IO
Vanadium	BRL	0.0100		mg/L	206740	1	05/02/2015 03:15	IO
Zinc	BRL	0.0200		mg/L	206740	1	05/02/2015 03:15	IO
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	206901	1	05/06/2015 20:18	TA
Mercury, Dissolved SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	206783	1	05/04/2015 20:39	LB
METALS, TOTAL SW6010C				**(SW3010A)**				
Aluminum	3.20	0.200		mg/L	206837	1	05/06/2015 21:32	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 12-Jun-15

Client:	Bon L Manufacturing Co.	**Client Sample ID:**	IDW-1
Project Name:	Kentland Remediation	**Collection Date:**	4/30/2015 3:20:00 PM
Lab ID:	1506B91-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010C				**(SW3010A)**				
Antimony	BRL	0.0200		mg/L	206837	1	05/06/2015 21:32	JL
Arsenic	BRL	0.0500		mg/L	206837	1	05/06/2015 21:32	JL
Barium	0.0545	0.0200		mg/L	206837	1	05/06/2015 21:32	JL
Beryllium	BRL	0.0100		mg/L	206837	1	05/06/2015 21:32	JL
Cadmium	BRL	0.0050		mg/L	206837	1	05/06/2015 21:32	JL
Chromium	BRL	0.0100		mg/L	206837	1	05/06/2015 21:32	JL
Cobalt	BRL	0.0200		mg/L	206837	1	05/06/2015 21:32	JL
Copper	0.0202	0.0100		mg/L	206837	1	05/06/2015 21:32	JL
Iron	6.96	0.100		mg/L	206837	1	05/06/2015 21:32	JL
Lead	BRL	0.0100		mg/L	206837	1	05/06/2015 21:32	JL
Manganese	0.304	0.0150		mg/L	206837	1	05/06/2015 21:32	JL
Nickel	BRL	0.0200		mg/L	206837	1	05/06/2015 21:32	JL
Selenium	BRL	0.0200		mg/L	206837	1	05/06/2015 21:32	JL
Silver	BRL	0.0100		mg/L	206837	1	05/06/2015 21:32	JL
Thallium	BRL	0.0200		mg/L	206837	1	05/06/2015 21:32	JL
Tin	BRL	0.0500		mg/L	206837	1	05/06/2015 21:32	JL
Vanadium	BRL	0.0100		mg/L	206837	1	05/06/2015 21:32	JL
Zinc	0.0770	0.0200		mg/L	206837	1	05/06/2015 21:32	JL

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Bonl Work Order Number ~~1505002~~ 1506B91 NJ 6/11

Checklist completed by Tanya [signature] Signature 5/1/15 Date

Carrier name: FedEx ✓ UPS __ Courier __ Client __ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes ✓ No __ Not Present __

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (0°≤6°C)* Yes ✓ No __

Cooler #1 3.4°C Cooler #2 3.4°C Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes __ No ✓

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes __ No ✓ Not Applicable __

Adjusted? Tanya Checked by Tanya

Sample Condition: Good ✓ Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes __ No ✓

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Receipt_Checklist_Rev1.rtf

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: **206740**

Sample ID: **MB-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MBLK** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193034**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200									
Antimony	BRL	0.0200									
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Beryllium	BRL	0.0100									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Iron	BRL	0.100									
Lead	BRL	0.0100									
Manganese	BRL	0.0150									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									
Thallium	BRL	0.0200									
Tin	BRL	0.0500									
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193035**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.792	0.200	10.00		97.9	80	120				
Antimony	0.9878	0.0200	1.000		98.8	80	120				
Arsenic	0.9402	0.0500	1.000		94.0	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: 206740

Sample ID: **LCS-206740** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193035**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Barium	0.9771	0.0200	1.000		97.7	80	120				
Beryllium	0.9705	0.0100	1.000		97.0	80	120				
Cadmium	0.9746	0.0050	1.000		97.5	80	120				
Chromium	0.9350	0.0100	1.000		93.5	80	120				
Cobalt	0.9670	0.0200	1.000		96.7	80	120				
Copper	0.9586	0.0100	1.000		95.9	80	120				
Iron	9.633	0.100	10.00	0.01503	96.2	80	120				
Lead	0.9612	0.0100	1.000		96.1	80	120				
Manganese	0.9761	0.0150	1.000	0.005733	97.0	80	120				
Nickel	0.9699	0.0200	1.000		97.0	80	120				
Selenium	0.8514	0.0200	1.000		85.1	80	120				
Silver	0.09727	0.0100	0.1000		97.3	80	120				
Thallium	0.9776	0.0200	1.000		97.8	80	120				
Tin	0.9388	0.0500	1.000		93.9	80	120				
Vanadium	0.9684	0.0100	1.000		96.8	80	120				
Zinc	0.9766	0.0200	1.000		97.7	80	120				

Sample ID: **1504O40-001BMS** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.615	0.200	10.00		96.2	75	125				
Antimony	0.9777	0.0200	1.000		97.8	75	125				
Arsenic	0.9386	0.0500	1.000	0.003312	93.5	75	125				
Barium	1.027	0.0200	1.000	0.06964	95.7	75	125				
Beryllium	0.9528	0.0100	1.000		95.3	75	125				
Cadmium	0.9585	0.0050	1.000		95.9	75	125				
Chromium	0.9438	0.0100	1.000	0.002112	94.2	75	125				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: 206740

Sample ID: **1504O40-001BMS** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193037**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cobalt	0.9989	0.0200	1.000	0.05399	94.5	75	125				
Copper	0.9519	0.0100	1.000		95.2	75	125				
Iron	9.598	0.100	10.00	0.05247	95.5	75	125				
Lead	0.9391	0.0100	1.000	0.002573	93.7	75	125				
Manganese	9.332	0.0150	1.000	8.934	39.8	75	125				S
Nickel	0.9533	0.0200	1.000	0.004755	94.9	75	125				
Selenium	0.8626	0.0200	1.000	0.02796	83.5	75	125				
Silver	0.09541	0.0100	0.1000		95.4	75	125				
Thallium	0.9637	0.0200	1.000		96.4	75	125				
Tin	0.9218	0.0500	1.000	0.005259	91.7	75	125				
Vanadium	0.9547	0.0100	1.000		95.5	75	125				
Zinc	0.9630	0.0200	1.000	0.01174	95.1	75	125				

Sample ID: **1504O40-001BMSD** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MSD** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.693	0.200	10.00		96.9	75	125	9.615	0.804	20	
Antimony	0.9802	0.0200	1.000		98.0	75	125	0.9777	0.247	20	
Arsenic	0.9530	0.0500	1.000	0.003312	95.0	75	125	0.9386	1.52	20	
Barium	1.031	0.0200	1.000	0.06964	96.1	75	125	1.027	0.374	20	
Beryllium	0.9648	0.0100	1.000		96.5	75	125	0.9528	1.24	20	
Cadmium	0.9660	0.0050	1.000		96.6	75	125	0.9585	0.778	20	
Chromium	0.9508	0.0100	1.000	0.002112	94.9	75	125	0.9438	0.740	20	
Cobalt	1.004	0.0200	1.000	0.05399	95.0	75	125	0.9989	0.551	20	
Copper	0.9612	0.0100	1.000		96.1	75	125	0.9519	0.971	20	
Iron	9.585	0.100	10.00	0.05247	95.3	75	125	9.598	0.129	20	
Lead	0.9447	0.0100	1.000	0.002573	94.2	75	125	0.9391	0.593	20	

Qualifiers:
> Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit
< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: **206740**

Sample ID: **1504O40-001BMSD** Client ID: Units: **mg/L** Prep Date: **05/01/2015** Run No: **291103**
SampleType: **MSD** TestCode: **METALS, DISSOLVED** **SW6010C** BatchID: **206740** Analysis Date: **05/02/2015** Seq No: **6193038**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Manganese	9.275	0.0150	1.000	8.934	34.1	75	125	9.332	0.619	20	S
Nickel	0.9575	0.0200	1.000	0.004755	95.3	75	125	0.9533	0.431	20	
Selenium	0.8995	0.0200	1.000	0.02796	87.2	75	125	0.8626	4.18	20	
Silver	0.09614	0.0100	0.1000		96.1	75	125	0.09541	0.762	20	
Thallium	0.9672	0.0200	1.000		96.7	75	125	0.9637	0.357	20	
Tin	0.9267	0.0500	1.000	0.005259	92.1	75	125	0.9218	0.526	20	
Vanadium	0.9606	0.0100	1.000		96.1	75	125	0.9547	0.617	20	
Zinc	0.9683	0.0200	1.000	0.01174	95.7	75	125	0.9630	0.542	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: 206783

Sample ID: **MB-206783** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291114**
SampleType: **MBLK** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206783** Analysis Date: **05/04/2015** Seq No: **6193445**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-206783** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291114**
SampleType: **LCS** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206783** Analysis Date: **05/04/2015** Seq No: **6193447**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005217	0.00020	0.0050		104	80	120				

Sample ID: **1504P09-005CMS** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291114**
SampleType: **MS** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206783** Analysis Date: **05/04/2015** Seq No: **6193451**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004671	0.00020	0.0050		93.4	70	130				

Sample ID: **1504P09-005CMSD** Client ID: Units: **mg/L** Prep Date: **05/04/2015** Run No: **291114**
SampleType: **MSD** TestCode: **Mercury, Dissolved SW7470A** BatchID: **206783** Analysis Date: **05/04/2015** Seq No: **6193453**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004862	0.00020	0.0050		97.2	70	130	0.004671	4.01	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: **206825**

Sample ID: **MB-206825** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6191924**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2,4-Trimethylbenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloroethene, Total	BRL	3.0									
1,4-Dichlorobenzene	BRL	1.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: **206825**

Sample ID: **MB-206825** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6191924**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	1.0									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Isopropylbenzene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylene chloride	BRL	5.0									
n-Butylbenzene	BRL	1.0									
n-Propylbenzene	BRL	1.0									
Naphthalene	BRL	5.0									
sec-Butylbenzene	BRL	2.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl chloride	BRL	1.0									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	45.38	0	50.00		90.8	70.6	123				
Surr: Dibromofluoromethane	56.04	0	50.00		112	78.7	124				
Surr: Toluene-d8	51.65	0	50.00		103	81.3	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: 206825

Sample ID: **LCS-206825** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6191923**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	38.08	2.0	50.00		76.2	64.2	137				
Benzene	42.47	1.0	50.00		84.9	72.8	128				
Chlorobenzene	47.86	1.0	50.00		95.7	72.3	126				
Toluene	45.62	1.0	50.00		91.2	74.9	127				
Trichloroethene	48.03	1.0	50.00		96.1	70.5	134				
Surr: 4-Bromofluorobenzene	46.41	0	50.00		92.8	70.6	123				
Surr: Dibromofluoromethane	56.42	0	50.00		113	78.7	124				
Surr: Toluene-d8	50.63	0	50.00		101	81.3	120				

Sample ID: **1505002-001AMS** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6192248**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	36.92	2.0	50.00		73.8	60.5	156				
Benzene	44.38	1.0	50.00		88.8	70	135				
Chlorobenzene	49.31	1.0	50.00		98.6	70.5	132				
Toluene	47.82	1.0	50.00		95.6	70.5	137				
Trichloroethene	51.32	1.0	50.00	2.590	97.5	71.8	139				
Surr: 4-Bromofluorobenzene	46.09	0	50.00		92.2	70.6	123				
Surr: Dibromofluoromethane	56.85	0	50.00		114	78.7	124				
Surr: Toluene-d8	50.31	0	50.00		101	81.3	120				

Sample ID: **1505002-001AMSD** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6192305**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	35.11	2.0	50.00		70.2	60.5	156	36.92	5.03	20	
Benzene	42.44	1.0	50.00		84.9	70	135	44.38	4.47	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 12-Jun-15

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: **206825**

Sample ID: **1505002-001AMSD** Client ID: Units: **ug/L** Prep Date: **05/04/2015** Run No: **291076**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **206825** Analysis Date: **05/04/2015** Seq No: **6192305**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	47.96	1.0	50.00		95.9	70.5	132	49.31	2.78	20	
Toluene	45.47	1.0	50.00		90.9	70.5	137	47.82	5.04	20	
Trichloroethene	49.59	1.0	50.00	2.590	94.0	71.8	139	51.32	3.43	20	
Surr: 4-Bromofluorobenzene	45.83	0	50.00		91.7	70.6	123	46.09	0	0	
Surr: Dibromofluoromethane	56.33	0	50.00		113	78.7	124	56.85	0	0	
Surr: Toluene-d8	50.67	0	50.00		101	81.3	120	50.31	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: 206837

Sample ID: **MB-206837** Client ID: Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197867**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	BRL	0.200									
Antimony	BRL	0.0200									
Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Beryllium	BRL	0.0100									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0200									
Copper	BRL	0.0100									
Iron	BRL	0.100									
Lead	BRL	0.0100									
Manganese	BRL	0.0150									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									
Thallium	BRL	0.0200									
Tin	0.07477	0.0500									B
Vanadium	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: **LCS-206837** Client ID: Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197868**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.433	0.200	10.00		94.3	80	120				
Antimony	0.9582	0.0200	1.000		95.8	80	120				
Arsenic	0.9593	0.0500	1.000		95.9	80	120				
Barium	0.9329	0.0200	1.000		93.3	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: **206837**

Sample ID: **LCS-206837** Client ID: Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197868**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Beryllium	0.9609	0.0100	1.000		96.1	80	120				
Cadmium	0.9578	0.0050	1.000		95.8	80	120				
Chromium	0.9300	0.0100	1.000	0.0007842	92.9	80	120				
Cobalt	0.9568	0.0200	1.000		95.7	80	120				
Copper	0.9391	0.0100	1.000		93.9	80	120				
Iron	9.570	0.100	10.00		95.7	80	120				
Lead	0.9465	0.0100	1.000	0.006174	94.0	80	120				
Manganese	0.9551	0.0150	1.000		95.5	80	120				
Nickel	0.9514	0.0200	1.000		95.1	80	120				
Selenium	0.9100	0.0200	1.000		91.0	80	120				
Silver	0.09417	0.0100	0.1000		94.2	80	120				
Thallium	0.9322	0.0200	1.000		93.2	80	120				
Tin	0.9332	0.0500	1.000	0.07477	85.8	80	120				B
Vanadium	0.9530	0.0100	1.000		95.3	80	120				
Zinc	0.9556	0.0200	1.000		95.6	80	120				

Sample ID: **1505002-001DMS** Client ID: Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197870**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.671	0.200	10.00		96.7	75	125				
Antimony	0.9896	0.0200	1.000		99.0	75	125				
Arsenic	0.9977	0.0500	1.000	0.004116	99.4	75	125				
Barium	0.9940	0.0200	1.000	0.04380	95.0	75	125				
Beryllium	0.9684	0.0100	1.000		96.8	75	125				
Cadmium	0.9751	0.0050	1.000		97.5	75	125				
Chromium	0.9447	0.0100	1.000	0.0009728	94.4	75	125				
Cobalt	0.9493	0.0200	1.000		94.9	75	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: 206837

Sample ID: **1505002-001DMS** Client ID: Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197870**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Copper	0.9563	0.0100	1.000		95.6	75	125				
Iron	9.654	0.100	10.00	0.04756	96.1	75	125				
Lead	0.9487	0.0100	1.000		94.9	75	125				
Manganese	0.9704	0.0150	1.000	0.01464	95.6	75	125				
Nickel	0.9411	0.0200	1.000		94.1	75	125				
Selenium	0.9633	0.0200	1.000	0.03215	93.1	75	125				
Silver	0.09749	0.0100	0.1000		97.5	75	125				
Thallium	0.9619	0.0200	1.000		96.2	75	125				
Tin	0.9483	0.0500	1.000		94.8	75	125				B
Vanadium	0.9690	0.0100	1.000		96.9	75	125				
Zinc	0.9557	0.0200	1.000		95.6	75	125				

Sample ID: **1505002-001DMSD** Client ID: Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197871**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aluminum	9.765	0.200	10.00		97.7	75	125	9.671	0.969	20	
Antimony	1.005	0.0200	1.000		100	75	125	0.9896	1.51	20	
Arsenic	1.015	0.0500	1.000	0.004116	101	75	125	0.9977	1.73	20	
Barium	1.006	0.0200	1.000	0.04380	96.2	75	125	0.9940	1.20	20	
Beryllium	0.9766	0.0100	1.000		97.7	75	125	0.9684	0.837	20	
Cadmium	0.9853	0.0050	1.000		98.5	75	125	0.9751	1.04	20	
Chromium	0.9594	0.0100	1.000	0.0009728	95.8	75	125	0.9447	1.54	20	
Cobalt	0.9608	0.0200	1.000		96.1	75	125	0.9493	1.20	20	
Copper	0.9681	0.0100	1.000		96.8	75	125	0.9563	1.23	20	
Iron	9.778	0.100	10.00	0.04756	97.3	75	125	9.654	1.27	20	
Lead	0.9599	0.0100	1.000		96.0	75	125	0.9487	1.17	20	
Manganese	0.9823	0.0150	1.000	0.01464	96.8	75	125	0.9704	1.21	20	

Qualifiers:
- > Greater than Result value
- BRL Below reporting limit
- J Estimated value detected below Reporting Limit
- Rpt Lim Reporting Limit
- < Less than Result value
- E Estimated (value above quantitation range)
- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix
- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: **206837**

Sample ID: **1505002-001DMSD** Client ID: Units: **mg/L** Prep Date: **05/05/2015** Run No: **291295**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010C** BatchID: **206837** Analysis Date: **05/06/2015** Seq No: **6197871**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Nickel	0.9514	0.0200	1.000		95.1	75	125	0.9411	1.09	20	
Selenium	1.001	0.0200	1.000	0.03215	96.9	75	125	0.9633	3.88	20	
Silver	0.09858	0.0100	0.1000		98.6	75	125	0.09749	1.12	20	
Thallium	0.9737	0.0200	1.000		97.4	75	125	0.9619	1.21	20	
Tin	0.9625	0.0500	1.000		96.2	75	125	0.9483	1.48	20	B
Vanadium	0.9830	0.0100	1.000		98.3	75	125	0.9690	1.44	20	
Zinc	0.9670	0.0200	1.000		96.7	75	125	0.9557	1.17	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Bon L Manufacturing Co.
Project Name: Kentland Remediation
Workorder: 1506B91

ANALYTICAL QC SUMMARY REPORT

BatchID: 206901

Sample ID: **MB-206901** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197984**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-206901** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **LCS** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197985**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005053	0.00020	0.0050		101	80	120				

Sample ID: **1504P73-009AMS** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **MS** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197987**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004151	0.00020	0.0050		83.0	70	130				

Sample ID: **1504P73-009AMSD** Client ID: Units: **mg/L** Prep Date: **05/06/2015** Run No: **291299**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **206901** Analysis Date: **05/06/2015** Seq No: **6197990**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004201	0.00020	0.0050		84.0	70	130	0.004151	1.20	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

September 2015

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 22, 2015

MIchael LaPrade
Amec Foster Wheeler
1075 Big Shanty Road NW
Suite 100
Kennesaw, GA 30144

RE: Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Dear MIchael LaPrade:
Enclosed are the analytical results for sample(s) received by the laboratory on September 12, 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.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Leslie Miller, Amec Foster Wheeler

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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92267356001	**MW-1**	Water	09/09/15 10:45	09/12/15 08:30
92267356002	**MW-7**	Water	09/09/15 14:55	09/12/15 08:30
92267356003	**MW-8**	Water	09/09/15 13:20	09/12/15 08:30
92267356004	**MW-12**	Water	09/09/15 17:45	09/12/15 08:30
92267356005	**MW-14**	Water	09/09/15 16:20	09/12/15 08:30
92267356006	**MW-20**	Water	09/09/15 13:44	09/12/15 08:30
92267356007	**MW-21**	Water	09/09/15 14:52	09/12/15 08:30
92267356008	**MW-26**	Water	09/10/15 11:15	09/12/15 08:30
92267356009	**MW-28**	Water	09/10/15 09:25	09/12/15 08:30
92267356010	**MW-29**	Water	09/10/15 08:50	09/12/15 08:30
92267356011	**MW-30**	Water	09/10/15 10:15	09/12/15 08:30
92267356012	**MW-31**	Water	09/09/15 18:10	09/12/15 08:30
92267356013	**MW-33**	Water	09/09/15 16:45	09/12/15 08:30
92267356014	**DUP-1**	Water	09/09/15 12:00	09/12/15 08:30
92267356015	**EQUIPMENT RINSATE BLANK**	Water	09/09/15 18:50	09/12/15 08:30
92267356016	**TRIP BLANK**	Water	09/09/15 00:00	09/12/15 08:30

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SAMPLE ANALYTE COUNT

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92267356001	**MW-1**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356002	**MW-7**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356003	**MW-8**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356004	**MW-12**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356005	**MW-14**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356006	**MW-20**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356007	**MW-21**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356008	**MW-26**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356009	**MW-28**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356010	**MW-29**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356011	**MW-30**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356012	**MW-31**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356013	**MW-33**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356014	**DUP-1**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356015	**EQUIPMENT RINSATE BLANK**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C
92267356016	**TRIP BLANK**	EPA 8011	HSK	3	PASI-C
		EPA 8260	NB	51	PASI-C

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-1 **Lab ID: 92267356001** Collected: 09/09/15 10:45 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.020	0.020	1	09/18/15 18:04	09/19/15 12:50	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	09/18/15 18:04	09/19/15 12:50	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	09/18/15 18:04	09/19/15 12:50	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 05:16	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 05:16	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 05:16	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 05:16	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 05:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 05:16	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 05:16	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 05:16	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 05:16	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 05:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 05:16	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 05:16	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 05:16	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 05:16	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 05:16	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 05:16	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 05:16	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 05:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 05:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 05:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 05:16	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	0.49	1		09/15/15 05:16	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 05:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		09/15/15 05:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		09/15/15 05:16	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 05:16	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 05:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 05:16	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 05:16	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 05:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 05:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 05:16	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 05:16	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 05:16	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 05:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 05:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 05:16	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 05:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 05:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 05:16	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-1 **Lab ID: 92267356001** Collected: 09/09/15 10:45 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 05:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		09/15/15 05:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 05:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 05:16	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 05:16	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 05:16	95-63-6	
Vinyl chloride	ND	ug/L	1.0	0.62	1		09/15/15 05:16	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 05:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/15/15 05:16	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		09/15/15 05:16	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/15/15 05:16	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-7 **Lab ID: 92267356002** Collected: 09/09/15 14:55 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.019	0.019	1	09/18/15 18:04	09/19/15 13:10	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	09/18/15 18:04	09/19/15 13:10	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	09/18/15 18:04	09/19/15 13:10	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 05:33	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 05:33	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 05:33	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 05:33	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 05:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 05:33	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 05:33	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 05:33	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 05:33	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 05:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 05:33	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 05:33	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 05:33	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 05:33	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 05:33	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 05:33	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 05:33	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 05:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 05:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 05:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 05:33	107-06-2	
1,2-Dichloroethene (Total)	**1010**	ug/L	10.0	4.9	10		09/15/15 12:42	540-59-0	
1,1-Dichloroethene	**2.6**	ug/L	1.0	0.56	1		09/15/15 05:33	75-35-4	
cis-1,2-Dichloroethene	**1010**	ug/L	10.0	1.9	10		09/15/15 12:42	156-59-2	
trans-1,2-Dichloroethene	**7.8**	ug/L	1.0	0.49	1		09/15/15 05:33	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 05:33	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 05:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 05:33	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 05:33	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 05:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 05:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 05:33	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 05:33	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 05:33	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 05:33	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 05:33	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 05:33	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 05:33	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 05:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 05:33	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-7 **Lab ID: 92267356002** Collected: 09/09/15 14:55 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 05:33	79-00-5	
Trichloroethene	**39.2**	ug/L	1.0	0.47	1		09/15/15 05:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 05:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 05:33	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 05:33	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 05:33	95-63-6	
Vinyl chloride	**38.7**	ug/L	1.0	0.62	1		09/15/15 05:33	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 05:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		09/15/15 05:33	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		09/15/15 05:33	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/15/15 05:33	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-8 **Lab ID: 92267356003** Collected: 09/09/15 13:20 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.019	0.019	1	09/18/15 18:04	09/19/15 13:30	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	09/18/15 18:04	09/19/15 13:30	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	09/18/15 18:04	09/19/15 13:30	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 05:50	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 05:50	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 05:50	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 05:50	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 05:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 05:50	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 05:50	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 05:50	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 05:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 05:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 05:50	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 05:50	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 05:50	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 05:50	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 05:50	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 05:50	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 05:50	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 05:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 05:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 05:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 05:50	107-06-2	
1,2-Dichloroethene (Total)	**55.5**	ug/L	1.0	0.49	1		09/15/15 05:50	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 05:50	75-35-4	
cis-1,2-Dichloroethene	**55.5**	ug/L	1.0	0.19	1		09/15/15 05:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		09/15/15 05:50	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 05:50	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 05:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 05:50	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 05:50	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 05:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 05:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 05:50	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 05:50	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 05:50	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 05:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 05:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 05:50	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 05:50	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 05:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 05:50	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-8 **Lab ID: 92267356003** Collected: 09/09/15 13:20 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 05:50	79-00-5	
Trichloroethene	**23.2**	ug/L	1.0	0.47	1		09/15/15 05:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 05:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 05:50	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 05:50	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 05:50	95-63-6	
Vinyl chloride	**9.4**	ug/L	1.0	0.62	1		09/15/15 05:50	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 05:50	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		09/15/15 05:50	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		09/15/15 05:50	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/15/15 05:50	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-12 **Lab ID: 92267356004** Collected: 09/09/15 17:45 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.020	0.020	1	09/18/15 18:04	09/19/15 13:51	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	09/18/15 18:04	09/19/15 13:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	60-140		1	09/18/15 18:04	09/19/15 13:51	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 06:07	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 06:07	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 06:07	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 06:07	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 06:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 06:07	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 06:07	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 06:07	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 06:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 06:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 06:07	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 06:07	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 06:07	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 06:07	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 06:07	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 06:07	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 06:07	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 06:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 06:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 06:07	75-34-3	
1,2-Dichloroethane	**0.27J**	ug/L	1.0	0.24	1		09/15/15 06:07	107-06-2	
1,2-Dichloroethene (Total)	**1.1**	ug/L	1.0	0.49	1		09/15/15 06:07	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 06:07	75-35-4	
cis-1,2-Dichloroethene	**1.1**	ug/L	1.0	0.19	1		09/15/15 06:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		09/15/15 06:07	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 06:07	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 06:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 06:07	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 06:07	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 06:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 06:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 06:07	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 06:07	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 06:07	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 06:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 06:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 06:07	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 06:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 06:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 06:07	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-12 **Lab ID: 92267356004** Collected: 09/09/15 17:45 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 06:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		09/15/15 06:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 06:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 06:07	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 06:07	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 06:07	95-63-6	
Vinyl chloride	ND	ug/L	1.0	0.62	1		09/15/15 06:07	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 06:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		09/15/15 06:07	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		09/15/15 06:07	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/15/15 06:07	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-14 **Lab ID: 92267356005** Collected: 09/09/15 16:20 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.019	0.019	1	09/18/15 18:04	09/19/15 14:11	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	09/18/15 18:04	09/19/15 14:11	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	91	%	60-140		1	09/18/15 18:04	09/19/15 14:11	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 06:24	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 06:24	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 06:24	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 06:24	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 06:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 06:24	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 06:24	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 06:24	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 06:24	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 06:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 06:24	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 06:24	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 06:24	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 06:24	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 06:24	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 06:24	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 06:24	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 06:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 06:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 06:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 06:24	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	0.49	1		09/15/15 06:24	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 06:24	75-35-4	
cis-1,2-Dichloroethene	**0.45J**	ug/L	1.0	0.19	1		09/15/15 06:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		09/15/15 06:24	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 06:24	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 06:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 06:24	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 06:24	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 06:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 06:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 06:24	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 06:24	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 06:24	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 06:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 06:24	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 06:24	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 06:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 06:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 06:24	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-14 **Lab ID: 92267356005** Collected: 09/09/15 16:20 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 06:24	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		09/15/15 06:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 06:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 06:24	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 06:24	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 06:24	95-63-6	
Vinyl chloride	ND	ug/L	1.0	0.62	1		09/15/15 06:24	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 06:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		09/15/15 06:24	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		09/15/15 06:24	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/15/15 06:24	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-20 **Lab ID: 92267356006** Collected: 09/09/15 13:44 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.020	0.020	1	09/18/15 18:05	09/19/15 14:31	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	09/18/15 18:05	09/19/15 14:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	60-140		1	09/18/15 18:05	09/19/15 14:31	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 06:41	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 06:41	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 06:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 06:41	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 06:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 06:41	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 06:41	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 06:41	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 06:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 06:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 06:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 06:41	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 06:41	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 06:41	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 06:41	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 06:41	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 06:41	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 06:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 06:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 06:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 06:41	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	0.49	1		09/15/15 06:41	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 06:41	75-35-4	
cis-1,2-Dichloroethene	**0.61J**	ug/L	1.0	0.19	1		09/15/15 06:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		09/15/15 06:41	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 06:41	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 06:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 06:41	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 06:41	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 06:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 06:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 06:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 06:41	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 06:41	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 06:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 06:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 06:41	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 06:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 06:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 06:41	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-20 **Lab ID: 92267356006** Collected: 09/09/15 13:44 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 06:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		09/15/15 06:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 06:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 06:41	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 06:41	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 06:41	95-63-6	
Vinyl chloride	ND	ug/L	1.0	0.62	1		09/15/15 06:41	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 06:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		09/15/15 06:41	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		09/15/15 06:41	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		09/15/15 06:41	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-21 **Lab ID: 92267356007** Collected: 09/09/15 14:52 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.020	0.020	1	09/18/15 18:05	09/19/15 14:51	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	09/18/15 18:05	09/19/15 14:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	92	%	60-140		1	09/18/15 18:05	09/19/15 14:51	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 06:58	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 06:58	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 06:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 06:58	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 06:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 06:58	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 06:58	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 06:58	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 06:58	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 06:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 06:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 06:58	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 06:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 06:58	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 06:58	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 06:58	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 06:58	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 06:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 06:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 06:58	75-34-3	
1,2-Dichloroethane	**0.25J**	ug/L	1.0	0.24	1		09/15/15 06:58	107-06-2	
1,2-Dichloroethene (Total)	**77.4**	ug/L	1.0	0.49	1		09/15/15 06:58	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 06:58	75-35-4	
cis-1,2-Dichloroethene	**77.4**	ug/L	1.0	0.19	1		09/15/15 06:58	156-59-2	
trans-1,2-Dichloroethene	**0.54J**	ug/L	1.0	0.49	1		09/15/15 06:58	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 06:58	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 06:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 06:58	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 06:58	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 06:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 06:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 06:58	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 06:58	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 06:58	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 06:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 06:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 06:58	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 06:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 06:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 06:58	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-21 **Lab ID: 92267356007** Collected: 09/09/15 14:52 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 06:58	79-00-5	
Trichloroethene	**2.5**	ug/L	1.0	0.47	1		09/15/15 06:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 06:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 06:58	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 06:58	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 06:58	95-63-6	
Vinyl chloride	**4.4**	ug/L	1.0	0.62	1		09/15/15 06:58	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 06:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/15/15 06:58	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		09/15/15 06:58	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/15/15 06:58	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-26 **Lab ID: 92267356008** Collected: 09/10/15 11:15 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.019	0.019	1	09/18/15 18:05	09/19/15 15:11	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	09/18/15 18:05	09/19/15 15:11	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	77	%	60-140		1	09/18/15 18:05	09/19/15 15:11	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 07:15	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 07:15	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 07:15	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 07:15	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 07:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 07:15	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 07:15	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 07:15	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 07:15	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 07:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 07:15	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 07:15	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 07:15	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 07:15	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 07:15	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 07:15	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 07:15	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 07:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 07:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 07:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 07:15	107-06-2	
1,2-Dichloroethene (Total)	**82.0**	ug/L	1.0	0.49	1		09/15/15 07:15	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 07:15	75-35-4	
cis-1,2-Dichloroethene	**80.8**	ug/L	1.0	0.19	1		09/15/15 07:15	156-59-2	
trans-1,2-Dichloroethene	**1.2**	ug/L	1.0	0.49	1		09/15/15 07:15	156-60-5	
Ethylbenzene	**0.70J**	ug/L	1.0	0.30	1		09/15/15 07:15	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 07:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 07:15	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 07:15	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 07:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 07:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 07:15	1634-04-4	
Naphthalene	**0.57J**	ug/L	1.0	0.24	1		09/15/15 07:15	91-20-3	B
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 07:15	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 07:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 07:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 07:15	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 07:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 07:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 07:15	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-26 **Lab ID: 92267356008** Collected: 09/10/15 11:15 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 07:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		09/15/15 07:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 07:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 07:15	76-13-1	
1,2,3-Trimethylbenzene	**0.44J**	ug/L	1.0	0.090	1		09/15/15 07:15	526-73-8	B
1,2,4-Trimethylbenzene	**0.45J**	ug/L	1.0	0.31	1		09/15/15 07:15	95-63-6	
Vinyl chloride	**28.1**	ug/L	1.0	0.62	1		09/15/15 07:15	75-01-4	
Xylene (Total)	**59.4**	ug/L	2.0	0.66	1		09/15/15 07:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		09/15/15 07:15	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		09/15/15 07:15	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		09/15/15 07:15	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-28 **Lab ID: 92267356009** Collected: 09/10/15 09:25 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.019	0.019	1	09/18/15 18:05	09/19/15 15:32	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	09/18/15 18:05	09/19/15 15:32	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	09/18/15 18:05	09/19/15 15:32	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 07:32	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 07:32	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 07:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 07:32	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 07:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 07:32	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 07:32	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 07:32	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 07:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 07:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 07:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 07:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 07:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 07:32	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 07:32	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 07:32	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 07:32	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 07:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 07:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 07:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 07:32	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	0.49	1		09/15/15 07:32	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 07:32	75-35-4	
cis-1,2-Dichloroethene	**0.39J**	ug/L	1.0	0.19	1		09/15/15 07:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		09/15/15 07:32	156-60-5	
Ethylbenzene	**0.33J**	ug/L	1.0	0.30	1		09/15/15 07:32	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 07:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 07:32	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 07:32	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 07:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 07:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 07:32	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 07:32	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 07:32	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 07:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 07:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 07:32	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 07:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 07:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 07:32	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-28 **Lab ID: 92267356009** Collected: 09/10/15 09:25 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 07:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		09/15/15 07:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 07:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 07:32	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 07:32	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 07:32	95-63-6	
Vinyl chloride	ND	ug/L	1.0	0.62	1		09/15/15 07:32	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 07:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		09/15/15 07:32	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		09/15/15 07:32	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		09/15/15 07:32	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-29 **Lab ID: 92267356010** Collected: 09/10/15 08:50 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.019	0.019	1	09/18/15 18:05	09/19/15 15:52	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	09/18/15 18:05	09/19/15 15:52	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	83	%	60-140		1	09/18/15 18:05	09/19/15 15:52	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	5000	2000	200		09/15/15 22:18	67-64-1	M1
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 07:49	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 07:49	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 07:49	75-25-2	M1
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 07:49	74-83-9	
2-Butanone (MEK)	**3020**	ug/L	1000	192	200		09/15/15 22:18	78-93-3	
n-Butylbenzene	**29.9**	ug/L	1.0	0.41	1		09/15/15 07:49	104-51-8	M1
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 07:49	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 07:49	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 07:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 07:49	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 07:49	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 07:49	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 07:49	74-87-3	M1
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 07:49	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 07:49	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 07:49	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 07:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 07:49	75-71-8	M1
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 07:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 07:49	107-06-2	
1,2-Dichloroethene (Total)	**6.9**	ug/L	1.0	0.49	1		09/15/15 07:49	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 07:49	75-35-4	
cis-1,2-Dichloroethene	**6.9**	ug/L	1.0	0.19	1		09/15/15 07:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		09/15/15 07:49	156-60-5	
Ethylbenzene	**949**	ug/L	200	60.0	200		09/15/15 22:18	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 07:49	591-78-6	
Isopropylbenzene (Cumene)	**13.2**	ug/L	1.0	0.40	1		09/15/15 07:49	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 07:49	79-20-9	M1
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 07:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	**7.9**	ug/L	5.0	0.33	1		09/15/15 07:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 07:49	1634-04-4	
Naphthalene	**155**	ug/L	1.0	0.24	1		09/15/15 07:49	91-20-3	M1
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 07:49	103-65-1	M1
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 07:49	100-42-5	M1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 07:49	79-34-5	
Tetrachloroethene	**1.7**	ug/L	1.0	0.46	1		09/15/15 07:49	127-18-4	
Toluene	**19.9**	ug/L	1.0	0.26	1		09/15/15 07:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 07:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 07:49	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-29 **Lab ID: 92267356010** Collected: 09/10/15 08:50 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 07:49	79-00-5	M1
Trichloroethene	**0.82J**	ug/L	1.0	0.47	1		09/15/15 07:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 07:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 07:49	76-13-1	
1,2,3-Trimethylbenzene	**282**	ug/L	200	18.0	200		09/15/15 22:18	526-73-8	
1,2,4-Trimethylbenzene	**240**	ug/L	200	62.0	200		09/15/15 22:18	95-63-6	
Vinyl chloride	ND	ug/L	1.0	0.62	1		09/15/15 07:49	75-01-4	
Xylene (Total)	**14900**	ug/L	2.0	0.66	1		09/15/15 07:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	121	%	70-130		1		09/15/15 07:49	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		09/15/15 07:49	17060-07-0	
Toluene-d8 (S)	110	%	70-130		1		09/15/15 07:49	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-30 **Lab ID: 92267356011** Collected: 09/10/15 10:15 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.020	0.020	1	09/18/15 18:05	09/19/15 16:52	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	09/18/15 18:05	09/19/15 16:52	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	72	%	60-140		1	09/18/15 18:05	09/19/15 16:52	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 18:21	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 18:21	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 18:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 18:21	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 18:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 18:21	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 18:21	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 18:21	135-98-8	
Carbon disulfide	**1.8J**	ug/L	2.0	1.2	1		09/15/15 18:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 18:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 18:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 18:21	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 18:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 18:21	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 18:21	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 18:21	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 18:21	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 18:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 18:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 18:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 18:21	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	0.49	1		09/15/15 18:21	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 18:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		09/15/15 18:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		09/15/15 18:21	156-60-5	
Ethylbenzene	**5.2**	ug/L	1.0	0.30	1		09/15/15 18:21	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 18:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 18:21	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 18:21	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 18:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 18:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 18:21	1634-04-4	
Naphthalene	**3.0**	ug/L	1.0	0.24	1		09/15/15 18:21	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 18:21	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 18:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 18:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 18:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 18:21	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 18:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 18:21	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-30 **Lab ID: 92267356011** Collected: 09/10/15 10:15 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 18:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		09/15/15 18:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 18:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 18:21	76-13-1	
1,2,3-Trimethylbenzene	**2.7**	ug/L	1.0	0.090	1		09/15/15 18:21	526-73-8	
1,2,4-Trimethylbenzene	**2.6**	ug/L	1.0	0.31	1		09/15/15 18:21	95-63-6	
Vinyl chloride	ND	ug/L	1.0	0.62	1		09/15/15 18:21	75-01-4	
Xylene (Total)	**436**	ug/L	2.0	0.66	1		09/15/15 18:21	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		09/15/15 18:21	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		09/15/15 18:21	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		09/15/15 18:21	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-31 **Lab ID: 92267356012** Collected: 09/09/15 18:10 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.020	0.020	1	09/18/15 18:06	09/19/15 17:13	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	09/18/15 18:06	09/19/15 17:13	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	09/18/15 18:06	09/19/15 17:13	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 18:38	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 18:38	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 18:38	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 18:38	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 18:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 18:38	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 18:38	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 18:38	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 18:38	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 18:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 18:38	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 18:38	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 18:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 18:38	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 18:38	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 18:38	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 18:38	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 18:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 18:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 18:38	75-34-3	
1,2-Dichloroethane	**30.2**	ug/L	1.0	0.24	1		09/15/15 18:38	107-06-2	
1,2-Dichloroethene (Total)	**60.8**	ug/L	1.0	0.49	1		09/15/15 18:38	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 18:38	75-35-4	
cis-1,2-Dichloroethene	**57.8**	ug/L	1.0	0.19	1		09/15/15 18:38	156-59-2	
trans-1,2-Dichloroethene	**3.0**	ug/L	1.0	0.49	1		09/15/15 18:38	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 18:38	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 18:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 18:38	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 18:38	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 18:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 18:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 18:38	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 18:38	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 18:38	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 18:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 18:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 18:38	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 18:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 18:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 18:38	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-31 **Lab ID: 92267356012** Collected: 09/09/15 18:10 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 18:38	79-00-5	
Trichloroethene	**18.8**	ug/L	1.0	0.47	1		09/15/15 18:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 18:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 18:38	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 18:38	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 18:38	95-63-6	
Vinyl chloride	**11.8**	ug/L	1.0	0.62	1		09/15/15 18:38	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 18:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		09/15/15 18:38	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		09/15/15 18:38	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/15/15 18:38	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-33 **Lab ID: 92267356013** Collected: 09/09/15 16:45 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.019	0.019	1	09/18/15 18:06	09/19/15 17:33	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	09/18/15 18:06	09/19/15 17:33	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	88	%	60-140		1	09/18/15 18:06	09/19/15 17:33	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 18:55	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 18:55	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 18:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 18:55	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 18:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 18:55	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 18:55	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 18:55	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 18:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 18:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 18:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 18:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 18:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 18:55	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 18:55	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 18:55	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 18:55	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 18:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 18:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 18:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 18:55	107-06-2	
1,2-Dichloroethene (Total)	**18.8**	ug/L	1.0	0.49	1		09/15/15 18:55	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 18:55	75-35-4	
cis-1,2-Dichloroethene	**16.7**	ug/L	1.0	0.19	1		09/15/15 18:55	156-59-2	
trans-1,2-Dichloroethene	**2.0**	ug/L	1.0	0.49	1		09/15/15 18:55	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 18:55	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 18:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 18:55	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 18:55	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 18:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 18:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 18:55	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 18:55	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 18:55	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 18:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 18:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 18:55	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 18:55	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 18:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 18:55	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: MW-33 **Lab ID: 92267356013** Collected: 09/09/15 16:45 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 18:55	79-00-5	
Trichloroethene	**0.79J**	ug/L	1.0	0.47	1		09/15/15 18:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 18:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 18:55	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 18:55	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 18:55	95-63-6	
Vinyl chloride	ND	ug/L	1.0	0.62	1		09/15/15 18:55	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 18:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		09/15/15 18:55	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		09/15/15 18:55	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/15/15 18:55	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: DUP-1 **Lab ID: 92267356014** Collected: 09/09/15 12:00 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.020	0.020	1	09/18/15 18:06	09/19/15 17:53	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	09/18/15 18:06	09/19/15 17:53	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	09/18/15 18:06	09/19/15 17:53	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 19:12	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 19:12	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 19:12	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 19:12	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 19:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 19:12	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 19:12	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 19:12	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 19:12	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 19:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 19:12	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 19:12	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 19:12	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 19:12	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 19:12	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 19:12	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 19:12	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 19:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 19:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 19:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 19:12	107-06-2	
1,2-Dichloroethene (Total)	**76.2**	ug/L	1.0	0.49	1		09/15/15 19:12	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 19:12	75-35-4	
cis-1,2-Dichloroethene	**76.2**	ug/L	1.0	0.19	1		09/15/15 19:12	156-59-2	
trans-1,2-Dichloroethene	**0.57J**	ug/L	1.0	0.49	1		09/15/15 19:12	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 19:12	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 19:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 19:12	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 19:12	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 19:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 19:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 19:12	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 19:12	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 19:12	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 19:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 19:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 19:12	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 19:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 19:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 19:12	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: DUP-1 **Lab ID: 92267356014** Collected: 09/09/15 12:00 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 19:12	79-00-5	
Trichloroethene	**2.3**	ug/L	1.0	0.47	1		09/15/15 19:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 19:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 19:12	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 19:12	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 19:12	95-63-6	
Vinyl chloride	**4.7**	ug/L	1.0	0.62	1		09/15/15 19:12	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 19:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		09/15/15 19:12	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		09/15/15 19:12	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/15/15 19:12	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: EQUIPMENT RINSATE BLANK **Lab ID: 92267356015** Collected: 09/09/15 18:50 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.019	0.019	1	09/18/15 18:06	09/19/15 18:13	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	09/18/15 18:06	09/19/15 18:13	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	09/18/15 18:06	09/19/15 18:13	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 04:41	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 04:41	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 04:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 04:41	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 04:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 04:41	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 04:41	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 04:41	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 04:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 04:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 04:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 04:41	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 04:41	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 04:41	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 04:41	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 04:41	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 04:41	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 04:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 04:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 04:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 04:41	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	0.49	1		09/15/15 04:41	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 04:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		09/15/15 04:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		09/15/15 04:41	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 04:41	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 04:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 04:41	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 04:41	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 04:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 04:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 04:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 04:41	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 04:41	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 04:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 04:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 04:41	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 04:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 04:41	120-82-1	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: EQUIPMENT RINSATE BLANK **Lab ID: 92267356015** Collected: 09/09/15 18:50 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 04:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 04:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		09/15/15 04:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 04:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 04:41	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 04:41	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 04:41	95-63-6	
Vinyl chloride	ND	ug/L	1.0	0.62	1		09/15/15 04:41	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 04:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		09/15/15 04:41	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		09/15/15 04:41	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		09/15/15 04:41	2037-26-5	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: TRIP BLANK **Lab ID: 92267356016** Collected: 09/09/15 00:00 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.020	0.020	1	09/18/15 18:43	09/19/15 08:24	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	09/18/15 18:43	09/19/15 08:24	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	09/18/15 18:43	09/19/15 08:24	301-79-56	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		09/15/15 04:59	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		09/15/15 04:59	71-43-2	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		09/15/15 04:59	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		09/15/15 04:59	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		09/15/15 04:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		09/15/15 04:59	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		09/15/15 04:59	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		09/15/15 04:59	135-98-8	
Carbon disulfide	ND	ug/L	2.0	1.2	1		09/15/15 04:59	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		09/15/15 04:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		09/15/15 04:59	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		09/15/15 04:59	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		09/15/15 04:59	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		09/15/15 04:59	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		09/15/15 04:59	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		09/15/15 04:59	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		09/15/15 04:59	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		09/15/15 04:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		09/15/15 04:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		09/15/15 04:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		09/15/15 04:59	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	0.49	1		09/15/15 04:59	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		09/15/15 04:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		09/15/15 04:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		09/15/15 04:59	156-60-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		09/15/15 04:59	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		09/15/15 04:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		09/15/15 04:59	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		09/15/15 04:59	79-20-9	
Methylene Chloride	ND	ug/L	2.0	0.97	1		09/15/15 04:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		09/15/15 04:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		09/15/15 04:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		09/15/15 04:59	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		09/15/15 04:59	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		09/15/15 04:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		09/15/15 04:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		09/15/15 04:59	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		09/15/15 04:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		09/15/15 04:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		09/15/15 04:59	71-55-6	

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ANALYTICAL RESULTS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Sample: TRIP BLANK **Lab ID: 92267356016** Collected: 09/09/15 00:00 Received: 09/12/15 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		09/15/15 04:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		09/15/15 04:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		09/15/15 04:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		09/15/15 04:59	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/L	1.0	0.090	1		09/15/15 04:59	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		09/15/15 04:59	95-63-6	
Vinyl chloride	ND	ug/L	1.0	0.62	1		09/15/15 04:59	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		09/15/15 04:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		09/15/15 04:59	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		09/15/15 04:59	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		09/15/15 04:59	2037-26-5	

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QUALITY CONTROL DATA

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

QC Batch: MSV/33353 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92267356001, 92267356002, 92267356003, 92267356004, 92267356005, 92267356006, 92267356007, 92267356008, 92267356009, 92267356010, 92267356015, 92267356016

METHOD BLANK: 1555387 Matrix: Water
Associated Lab Samples: 92267356001, 92267356002, 92267356003, 92267356004, 92267356005, 92267356006, 92267356007, 92267356008, 92267356009, 92267356010, 92267356015, 92267356016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	09/14/15 23:18	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/14/15 23:18	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/14/15 23:18	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	09/14/15 23:18	
1,1-Dichloroethane	ug/L	ND	1.0	09/14/15 23:18	
1,1-Dichloroethene	ug/L	ND	1.0	09/14/15 23:18	
1,2,3-Trimethylbenzene	ug/L	0.13J	1.0	09/14/15 23:18	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/14/15 23:18	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/14/15 23:18	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/14/15 23:18	
1,2-Dichloroethane	ug/L	ND	1.0	09/14/15 23:18	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	09/14/15 23:18	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/14/15 23:18	
2-Butanone (MEK)	ug/L	ND	5.0	09/14/15 23:18	
2-Hexanone	ug/L	ND	5.0	09/14/15 23:18	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	09/14/15 23:18	
Acetone	ug/L	ND	25.0	09/14/15 23:18	
Benzene	ug/L	ND	1.0	09/14/15 23:18	
Bromodichloromethane	ug/L	ND	1.0	09/14/15 23:18	
Bromoform	ug/L	ND	1.0	09/14/15 23:18	
Bromomethane	ug/L	ND	2.0	09/14/15 23:18	
Carbon disulfide	ug/L	ND	2.0	09/14/15 23:18	
Carbon tetrachloride	ug/L	ND	1.0	09/14/15 23:18	
Chlorobenzene	ug/L	ND	1.0	09/14/15 23:18	
Chloroethane	ug/L	ND	1.0	09/14/15 23:18	
Chloroform	ug/L	ND	1.0	09/14/15 23:18	
Chloromethane	ug/L	ND	1.0	09/14/15 23:18	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/14/15 23:18	
Cyclohexane	ug/L	ND	1.0	09/14/15 23:18	
Dibromochloromethane	ug/L	ND	1.0	09/14/15 23:18	
Dichlorodifluoromethane	ug/L	ND	1.0	09/14/15 23:18	
Ethylbenzene	ug/L	ND	1.0	09/14/15 23:18	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/14/15 23:18	
Methyl acetate	ug/L	ND	10.0	09/14/15 23:18	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/14/15 23:18	
Methylene Chloride	ug/L	ND	2.0	09/14/15 23:18	
n-Butylbenzene	ug/L	ND	1.0	09/14/15 23:18	
n-Propylbenzene	ug/L	ND	1.0	09/14/15 23:18	
Naphthalene	ug/L	0.33J	1.0	09/14/15 23:18	
sec-Butylbenzene	ug/L	ND	1.0	09/14/15 23:18	

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QUALITY CONTROL DATA

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

METHOD BLANK: 1555387 Matrix: Water

Associated Lab Samples: 92267356001, 92267356002, 92267356003, 92267356004, 92267356005, 92267356006, 92267356007, 92267356008, 92267356009, 92267356010, 92267356015, 92267356016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Styrene	ug/L	ND	1.0	09/14/15 23:18	
Tetrachloroethene	ug/L	ND	1.0	09/14/15 23:18	
Toluene	ug/L	ND	1.0	09/14/15 23:18	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/14/15 23:18	
Trichloroethene	ug/L	ND	1.0	09/14/15 23:18	
Trichlorofluoromethane	ug/L	ND	1.0	09/14/15 23:18	
Vinyl chloride	ug/L	ND	1.0	09/14/15 23:18	
Xylene (Total)	ug/L	ND	2.0	09/14/15 23:18	
1,2-Dichloroethane-d4 (S)	%	94	70-130	09/14/15 23:18	
4-Bromofluorobenzene (S)	%	100	70-130	09/14/15 23:18	
Toluene-d8 (S)	%	102	70-130	09/14/15 23:18	

LABORATORY CONTROL SAMPLE: 1555388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.7	115	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	56.0	112	70-130	
1,1,2-Trichloroethane	ug/L	50	55.0	110	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	60.1	120	70-130	
1,1-Dichloroethane	ug/L	50	55.9	112	70-130	
1,1-Dichloroethene	ug/L	50	61.7	123	70-132	
1,2,3-Trimethylbenzene	ug/L	50	57.9	116	70-130	
1,2,4-Trichlorobenzene	ug/L	50	58.9	118	70-134	
1,2,4-Trimethylbenzene	ug/L	50	57.7	115	70-130	
1,2-Dichlorobenzene	ug/L	50	56.8	114	70-130	
1,2-Dichloroethane	ug/L	50	49.6	99	70-130	
1,2-Dichloroethene (Total)	ug/L	100	116	116	70-130	
1,4-Dichlorobenzene	ug/L	50	56.0	112	70-130	
2-Butanone (MEK)	ug/L	100	106	106	70-145	
2-Hexanone	ug/L	100	112	112	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	104	70-140	
Acetone	ug/L	100	106	106	50-175	
Benzene	ug/L	50	59.6	119	70-130	
Bromodichloromethane	ug/L	50	57.2	114	70-130	
Bromoform	ug/L	50	44.1	88	70-130	
Bromomethane	ug/L	50	54.4	109	54-130	
Carbon disulfide	ug/L	50	62.3	125	70-131	
Carbon tetrachloride	ug/L	50	58.4	117	70-132	
Chlorobenzene	ug/L	50	57.4	115	70-130	
Chloroethane	ug/L	50	54.1	108	64-134	
Chloroform	ug/L	50	57.9	116	70-130	
Chloromethane	ug/L	50	46.5	93	64-130	
cis-1,2-Dichloroethene	ug/L	50	56.5	113	70-131	

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QUALITY CONTROL DATA

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

LABORATORY CONTROL SAMPLE: 1555388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	58.7	117	70-130	
Dibromochloromethane	ug/L	50	51.0	102	70-130	
Dichlorodifluoromethane	ug/L	50	61.0	122	56-130	
Ethylbenzene	ug/L	50	56.7	113	70-130	
Isopropylbenzene (Cumene)	ug/L	50	62.0	124	70-130	
Methyl acetate	ug/L	50	52.9	106	70-130	
Methyl-tert-butyl ether	ug/L	50	59.2	118	70-130	
Methylene Chloride	ug/L	50	53.1	106	63-130	
n-Butylbenzene	ug/L	50	57.3	115	70-130	
n-Propylbenzene	ug/L	50	57.5	115	70-130	
Naphthalene	ug/L	50	63.1	126	70-138	
sec-Butylbenzene	ug/L	50	59.9	120	70-130	
Styrene	ug/L	50	59.6	119	70-130	
Tetrachloroethene	ug/L	50	56.2	112	70-130	
Toluene	ug/L	50	56.6	113	70-130	
trans-1,2-Dichloroethene	ug/L	50	59.6	119	70-130	
Trichloroethene	ug/L	50	54.0	108	70-130	
Trichlorofluoromethane	ug/L	50	53.6	107	62-133	
Vinyl chloride	ug/L	50	61.0	122	50-150	
Xylene (Total)	ug/L	150	168	112	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1555389 1555390

Parameter	Units	92267356010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	23.0	21.5	115	107	70-130	7	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	16.9	21.6	84	108	70-130	25	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	27.1	27.0	135	135	70-130	0	30	M1
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	23.5	24.0	118	120	70-130	2	30	
1,1-Dichloroethane	ug/L	ND	20	20	22.2	22.0	111	110	70-130	1	30	
1,1-Dichloroethene	ug/L	ND	20	20	23.9	24.0	119	120	70-166	0	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	19.9	15.8	99	79	70-130	23	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	23.6	23.1	118	115	70-130	2	30	
1,2-Dichloroethane	ug/L	ND	20	20	20.0	19.1	100	96	70-130	5	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	22.5	21.8	113	109	70-130	3	30	
2-Hexanone	ug/L	ND	40	40	35.0	34.3	87	86	70-130	2	30	
4-Methyl-2-pentanone (MIBK)	ug/L	7.9	40	40	52.1	49.6	111	104	70-130	5	30	
Benzene	ug/L	ND	20	20	25.3	24.7	126	124	70-148	2	30	
Bromodichloromethane	ug/L	ND	20	20	22.9	22.1	114	111	70-130	3	30	
Bromoform	ug/L	ND	20	20	13.3	15.7	67	78	70-130	16	30	M1
Bromomethane	ug/L	ND	20	20	17.2	16.8	86	84	70-130	2	30	

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QUALITY CONTROL DATA

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1555389 1555390

Parameter	Units	92267356010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbon disulfide	ug/L	ND	20	20	23.6	25.8	118	129	70-130	9	30	
Carbon tetrachloride	ug/L	ND	20	20	22.3	21.7	112	109	70-130	3	30	
Chlorobenzene	ug/L	ND	20	20	21.8	21.7	109	109	70-146	0	30	
Chloroethane	ug/L	ND	20	20	25.1	24.5	125	123	70-130	2	30	
Chloroform	ug/L	ND	20	20	22.9	22.4	115	112	70-130	2	30	
Chloromethane	ug/L	ND	20	20	14.1	12.8	70	64	70-130	9	30	M1
cis-1,2-Dichloroethene	ug/L	6.9	20	20	29.4	28.7	113	109	70-130	2	30	
Cyclohexane	ug/L	ND	20	20	23.9	23.2	119	116	70-130	3	30	
Dibromochloromethane	ug/L	ND	20	20	17.3	17.5	86	87	70-130	1	30	
Dichlorodifluoromethane	ug/L	ND	20	20	27.0	26.1	135	130	70-130	3	30	M1
Methyl acetate	ug/L	ND	20	20	31.2	28.8	156	144	70-130	8	30	M1
Methyl-tert-butyl ether	ug/L	ND	20	20	23.3	23.3	117	117	70-130	0	30	
Methylene Chloride	ug/L	ND	20	20	18.8	17.1	94	85	70-130	9	30	
n-Butylbenzene	ug/L	29.9	20	20	25.3	25.0	-23	-25	70-130	1	30	M1
n-Propylbenzene	ug/L	ND	20	20	25.8	27.5	129	137	70-130	7	30	M1
Naphthalene	ug/L	155	20	20	196	157	203	8	70-130	22	30	M1
Tetrachloroethene	ug/L	1.7	20	20	21.5	21.0	99	97	70-130	2	30	
Toluene	ug/L	19.9	20	20	49.1	48.1	146	141	70-155	2	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	24.0	23.1	120	115	70-130	4	30	
Trichloroethene	ug/L	0.82J	20	20	24.2	23.3	117	112	69-151	4	30	
Trichlorofluoromethane	ug/L	ND	20	20	23.2	22.5	116	112	70-130	3	30	
Vinyl chloride	ug/L	ND	20	20	25.0	24.6	125	123	70-130	2	30	
1,2-Dichloroethane-d4 (S)	%						90	87	70-130			
4-Bromofluorobenzene (S)	%						84	109	70-130			
Toluene-d8 (S)	%						112	111	70-130			

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QUALITY CONTROL DATA

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

QC Batch: MSV/33360 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92267356011, 92267356012, 92267356013, 92267356014

METHOD BLANK: 1555938 Matrix: Water
Associated Lab Samples: 92267356011, 92267356012, 92267356013, 92267356014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	09/15/15 13:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/15/15 13:49	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/15/15 13:49	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	09/15/15 13:49	
1,1-Dichloroethane	ug/L	ND	1.0	09/15/15 13:49	
1,1-Dichloroethene	ug/L	ND	1.0	09/15/15 13:49	
1,2,3-Trimethylbenzene	ug/L	ND	1.0	09/15/15 13:49	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/15/15 13:49	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/15/15 13:49	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/15/15 13:49	
1,2-Dichloroethane	ug/L	ND	1.0	09/15/15 13:49	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	09/15/15 13:49	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/15/15 13:49	
2-Butanone (MEK)	ug/L	ND	5.0	09/15/15 13:49	
2-Hexanone	ug/L	ND	5.0	09/15/15 13:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	09/15/15 13:49	
Acetone	ug/L	ND	25.0	09/15/15 13:49	
Benzene	ug/L	ND	1.0	09/15/15 13:49	
Bromodichloromethane	ug/L	ND	1.0	09/15/15 13:49	
Bromoform	ug/L	ND	1.0	09/15/15 13:49	
Bromomethane	ug/L	ND	2.0	09/15/15 13:49	
Carbon disulfide	ug/L	ND	2.0	09/15/15 13:49	
Carbon tetrachloride	ug/L	ND	1.0	09/15/15 13:49	
Chlorobenzene	ug/L	ND	1.0	09/15/15 13:49	
Chloroethane	ug/L	ND	1.0	09/15/15 13:49	
Chloroform	ug/L	ND	1.0	09/15/15 13:49	
Chloromethane	ug/L	ND	1.0	09/15/15 13:49	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/15/15 13:49	
Cyclohexane	ug/L	ND	1.0	09/15/15 13:49	
Dibromochloromethane	ug/L	ND	1.0	09/15/15 13:49	
Dichlorodifluoromethane	ug/L	ND	1.0	09/15/15 13:49	
Ethylbenzene	ug/L	ND	1.0	09/15/15 13:49	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/15/15 13:49	
Methyl acetate	ug/L	ND	10.0	09/15/15 13:49	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/15/15 13:49	
Methylene Chloride	ug/L	ND	2.0	09/15/15 13:49	
n-Butylbenzene	ug/L	ND	1.0	09/15/15 13:49	
n-Propylbenzene	ug/L	ND	1.0	09/15/15 13:49	
Naphthalene	ug/L	ND	1.0	09/15/15 13:49	
sec-Butylbenzene	ug/L	ND	1.0	09/15/15 13:49	
Styrene	ug/L	ND	1.0	09/15/15 13:49	

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QUALITY CONTROL DATA

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

METHOD BLANK: 1555938 Matrix: Water
Associated Lab Samples: 92267356011, 92267356012, 92267356013, 92267356014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	09/15/15 13:49	
Toluene	ug/L	ND	1.0	09/15/15 13:49	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/15/15 13:49	
Trichloroethene	ug/L	ND	1.0	09/15/15 13:49	
Trichlorofluoromethane	ug/L	ND	1.0	09/15/15 13:49	
Vinyl chloride	ug/L	ND	1.0	09/15/15 13:49	
Xylene (Total)	ug/L	2.7	2.0	09/15/15 13:49	
1,2-Dichloroethane-d4 (S)	%	86	70-130	09/15/15 13:49	
4-Bromofluorobenzene (S)	%	102	70-130	09/15/15 13:49	
Toluene-d8 (S)	%	103	70-130	09/15/15 13:49	

LABORATORY CONTROL SAMPLE: 1555939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.8	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.0	102	70-130	
1,1,2-Trichloroethane	ug/L	50	52.7	105	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	55.7	111	70-130	
1,1-Dichloroethane	ug/L	50	50.6	101	70-130	
1,1-Dichloroethene	ug/L	50	53.6	107	70-132	
1,2,3-Trimethylbenzene	ug/L	50	54.4	109	70-130	
1,2,4-Trichlorobenzene	ug/L	50	56.7	113	70-134	
1,2,4-Trimethylbenzene	ug/L	50	54.0	108	70-130	
1,2-Dichlorobenzene	ug/L	50	53.8	108	70-130	
1,2-Dichloroethane	ug/L	50	43.0	86	70-130	
1,2-Dichloroethene (Total)	ug/L	100	104	104	70-130	
1,4-Dichlorobenzene	ug/L	50	53.1	106	70-130	
2-Butanone (MEK)	ug/L	100	84.9	85	70-145	
2-Hexanone	ug/L	100	88.5	89	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	88.1	88	70-140	
Acetone	ug/L	100	84.2	84	50-175	
Benzene	ug/L	50	57.7	115	70-130	
Bromodichloromethane	ug/L	50	51.9	104	70-130	
Bromoform	ug/L	50	39.3	79	70-130	
Bromomethane	ug/L	50	48.4	97	54-130	
Carbon disulfide	ug/L	50	60.4	121	70-131	
Carbon tetrachloride	ug/L	50	51.2	102	70-132	
Chlorobenzene	ug/L	50	52.8	106	70-130	
Chloroethane	ug/L	50	51.2	102	64-134	
Chloroform	ug/L	50	52.8	106	70-130	
Chloromethane	ug/L	50	33.7	67	64-130	
cis-1,2-Dichloroethene	ug/L	50	51.5	103	70-131	
Cyclohexane	ug/L	50	54.3	109	70-130	
Dibromochloromethane	ug/L	50	45.0	90	70-130	

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QUALITY CONTROL DATA

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

LABORATORY CONTROL SAMPLE: 1555939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dichlorodifluoromethane	ug/L	50	55.5	111	56-130	
Ethylbenzene	ug/L	50	52.1	104	70-130	
Isopropylbenzene (Cumene)	ug/L	50	56.3	113	70-130	
Methyl acetate	ug/L	50	43.9	88	70-130	
Methyl-tert-butyl ether	ug/L	50	55.6	111	70-130	
Methylene Chloride	ug/L	50	42.4	85	63-130	
n-Butylbenzene	ug/L	50	54.7	109	70-130	
n-Propylbenzene	ug/L	50	55.8	112	70-130	
Naphthalene	ug/L	50	60.2	120	70-138	
sec-Butylbenzene	ug/L	50	57.9	116	70-130	
Styrene	ug/L	50	55.2	110	70-130	
Tetrachloroethene	ug/L	50	52.8	106	70-130	
Toluene	ug/L	50	54.7	109	70-130	
trans-1,2-Dichloroethene	ug/L	50	52.9	106	70-130	
Trichloroethene	ug/L	50	50.9	102	70-130	
Trichlorofluoromethane	ug/L	50	47.4	95	62-133	
Vinyl chloride	ug/L	50	54.6	109	50-150	
Xylene (Total)	ug/L	150	160	106	70-130	
1,2-Dichloroethane-d4 (S)	%			86	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1555941

Parameter	Units	92267442008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	21.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.9	105	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	21.6	108	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	24.4	122	70-130	
1,1-Dichloroethane	ug/L	ND	20	21.6	108	70-130	
1,1-Dichloroethene	ug/L	ND	20	23.8	119	70-166	
1,2,3-Trimethylbenzene	ug/L	ND	20	22.7	113	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	22.7	113	70-130	
1,2,4-Trimethylbenzene	ug/L	ND	20	22.8	114	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	22.4	112	70-130	
1,2-Dichloroethane	ug/L	ND	20	18.1	89	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	21.6	108	70-130	
2-Butanone (MEK)	ug/L	ND	40	33.3	83	70-130	
2-Hexanone	ug/L	ND	40	34.4	86	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	34.1	85	70-130	
Acetone	ug/L	ND	40	31.3	78	70-130	
Benzene	ug/L	ND	20	24.8	124	70-148	
Bromodichloromethane	ug/L	ND	20	20.4	102	70-130	
Bromoform	ug/L	ND	20	17.6	88	70-130	
Bromomethane	ug/L	ND	20	28.5	143	70-130	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

MATRIX SPIKE SAMPLE: 1555941

Parameter	Units	92267442008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon disulfide	ug/L	ND	20	25.7	129	70-130	
Carbon tetrachloride	ug/L	ND	20	21.1	105	70-130	
Chlorobenzene	ug/L	ND	20	22.8	114	70-146	
Chloroethane	ug/L	ND	20	22.7	113	70-130	
Chloroform	ug/L	ND	20	22.3	111	70-130	
Chloromethane	ug/L	ND	20	12.4	62	70-130	M1
cis-1,2-Dichloroethene	ug/L	ND	20	21.8	109	70-130	
Cyclohexane	ug/L	ND	20	23.1	116	70-130	
Dibromochloromethane	ug/L	ND	20	18.5	92	70-130	
Dichlorodifluoromethane	ug/L	ND	20	22.6	113	70-130	
Ethylbenzene	ug/L	ND	20	22.5	113	70-130	
Isopropylbenzene (Cumene)	ug/L	ND	20	24.1	120	70-130	
Methyl acetate	ug/L	ND	20	16.9	84	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	23.2	114	70-130	
Methylene Chloride	ug/L	ND	20	16.4	82	70-130	
n-Butylbenzene	ug/L	ND	20	22.7	114	70-130	
n-Propylbenzene	ug/L	ND	20	23.6	118	70-130	
Naphthalene	ug/L	ND	20	23.4	117	70-130	
sec-Butylbenzene	ug/L	ND	20	24.7	123	70-130	
Styrene	ug/L	ND	20	22.1	110	70-130	
Tetrachloroethene	ug/L	ND	20	23.1	116	70-130	
Toluene	ug/L	ND	20	23.2	116	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	23.2	116	70-130	
Trichloroethene	ug/L	ND	20	21.8	109	69-151	
Trichlorofluoromethane	ug/L	ND	20	21.0	105	70-130	
Vinyl chloride	ug/L	ND	20	24.6	123	70-130	
1,2-Dichloroethane-d4 (S)	%				84	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 1555940

Parameter	Units	92267442001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,2,3-Trimethylbenzene	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	0.49J		30	
1,2-Dichloroethene (Total)	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

SAMPLE DUPLICATE: 1555940

Parameter	Units	92267442001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon disulfide	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
Cyclohexane	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl acetate	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	2.1	2.6	22	30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	88	88	0		
4-Bromofluorobenzene (S)	%	100	102	1		
Toluene-d8 (S)	%	102	101	1		

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QUALITY CONTROL DATA

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

QC Batch: OEXT/37812 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92267356001, 92267356002, 92267356003, 92267356004, 92267356005, 92267356006, 92267356007, 92267356008, 92267356009, 92267356010, 92267356011, 92267356012, 92267356013, 92267356014, 92267356015

METHOD BLANK: 1560011 Matrix: Water
Associated Lab Samples: 92267356001, 92267356002, 92267356003, 92267356004, 92267356005, 92267356006, 92267356007, 92267356008, 92267356009, 92267356010, 92267356011, 92267356012, 92267356013, 92267356014, 92267356015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	ND	0.020	09/19/15 10:09	
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	09/19/15 10:09	
1-Chloro-2-bromopropane (S)	%	94	60-140	09/19/15 10:09	

LABORATORY CONTROL SAMPLE & LCSD: 1560012 1560013

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.28	0.30	0.30	106	106	60-140	1	20	
1,2-Dibromoethane (EDB)	ug/L	.28	0.28	0.27	98	96	60-140	1	20	
1-Chloro-2-bromopropane (S)	%				94	91	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1560015 1560016

Parameter	Units	92267356010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	ND	.29	.29	0.23	0.22	80	78	60-140	3	20	
1,2-Dibromoethane (EDB)	ug/L	ND	.29	.29	0.21	0.21	74	72	60-140	3	20	
1-Chloro-2-bromopropane (S)	%						73	72	60-140			

SAMPLE DUPLICATE: 1560014

Parameter	Units	92267351002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	0.039	0.028	33	20	R3
1-Chloro-2-bromopropane (S)	%	105	111	6		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

QC Batch: OEXT/37824
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92267356016

METHOD BLANK: 1560504
Matrix: Water
Associated Lab Samples: 92267356016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	ND	0.021	09/19/15 03:55	
1,2-Dibromoethane (EDB)	ug/L	ND	0.021	09/19/15 03:55	
1-Chloro-2-bromopropane (S)	%	101	60-140	09/19/15 03:55	

LABORATORY CONTROL SAMPLE & LCSD: 1560506 1560507

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.28	0.35	0.33	122	116	60-140	4	20	
1,2-Dibromoethane (EDB)	ug/L	.28	0.33	0.32	116	112	60-140	2	20	
1-Chloro-2-bromopropane (S)	%				112	104	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1560508 1560509

Parameter	Units	92267369040 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	ND	.28	.28	0.45	0.45	158	160	60-140	1	20	M1
1,2-Dibromoethane (EDB)	ug/L	ND	.28	.28	0.30	0.29	104	102	60-140	2	20	
1-Chloro-2-bromopropane (S)	%						102	102	60-140			

SAMPLE DUPLICATE: 1560510

Parameter	Units	92267369041 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	102	112	8		

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

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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

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 adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R3	RPD value was outside control limits due to uncertainty of values at or near the PRL.

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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KENTLAND CLOSURE
Pace Project No.: 92267356

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92267356001	**MW-1**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356002	**MW-7**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356003	**MW-8**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356004	**MW-12**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356005	**MW-14**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356006	**MW-20**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356007	**MW-21**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356008	**MW-26**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356009	**MW-28**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356010	**MW-29**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356011	**MW-30**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356012	**MW-31**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356013	**MW-33**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356014	**DUP-1**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356015	**EQUIPMENT RINSATE BLANK**	EPA 8011	OEXT/37812	EPA 8011	GCSV/22649
92267356016	**TRIP BLANK**	EPA 8011	OEXT/37824	EPA 8011	GCSV/22652
92267356001	**MW-1**	EPA 8260	MSV/33353		
92267356002	**MW-7**	EPA 8260	MSV/33353		
92267356003	**MW-8**	EPA 8260	MSV/33353		
92267356004	**MW-12**	EPA 8260	MSV/33353		
92267356005	**MW-14**	EPA 8260	MSV/33353		
92267356006	**MW-20**	EPA 8260	MSV/33353		
92267356007	**MW-21**	EPA 8260	MSV/33353		
92267356008	**MW-26**	EPA 8260	MSV/33353		
92267356009	**MW-28**	EPA 8260	MSV/33353		
92267356010	**MW-29**	EPA 8260	MSV/33353		
92267356011	**MW-30**	EPA 8260	MSV/33360		
92267356012	**MW-31**	EPA 8260	MSV/33360		
92267356013	**MW-33**	EPA 8260	MSV/33360		
92267356014	**DUP-1**	EPA 8260	MSV/33360		
92267356015	**EQUIPMENT RINSATE BLANK**	EPA 8260	MSV/33353		
92267356016	**TRIP BLANK**	EPA 8260	MSV/33353		

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Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: May 18, 2015 Page 1 of 2*
	Document Number: **F-CHR-CS-003-rev.16**	Issuing Authority: Pace Huntersville Quality Office

Client Name: Banec / Bun L. Manufacturing Page 2 of 2 is for Internal Use Only

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1401 Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Temp Correction Factor T1401 No Correction

Corrected Cooler Temp.: 2.3 °C Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: AP 9-14-15

Temp should be above freezing to 6°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.
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	
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. Missing MW14 D.S COC
-Includes date/time/ID/Analysis Matrix: WT		Recieved 2 sets for MW33
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13. 1620 - 1645
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: MW-14 collected 16:20. MW-33 collected 16:45

SCURF Review: JG Date: 9/14/15

SRF Review: JG Date: 9/15/15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO#: 92267356

92267356

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.C. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 1 OF 15

Project: Kentland Closure	**Project No.**	**Bon L Project Contact**	Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt — **Phone** 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:**
Terry Snell (C: 404-431-0028)	**For Approval By:**
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** L01240 ~~TBD~~ 3415

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
09/09	1045	GW	3		X	MW-1			X	X		922~~0~~356 9/15 001
									1	1		
									2	2		

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
Andrew Nelson / Amec FW	[signature]	COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	COC/CUSTODY SEAL:
Andrew Nelson / Amec FW	[signature]	09/10 1225	JEFF WYATT / NOW	[signature]	9-10-15 12:31	
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	ICE:
NOW	Kee 9-11-15		Kathy Eck / Pace	Kathy Eck	9-11-15 0730	
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME:	pH:
Colette Weaver / PACE	Colette Weaver	09/11/15 1712	COMPANY NAME:	[signature]	9-12-15 8:30	

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:	TEMPERATURE: 1.3°C
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #: / SAMPLE CONDITION:
INTO LIMS:		Reviewed:		

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 2 OF 15

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	Terry Snell	**Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt **Phone** 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:**
Terry Snell (C: 404-431-0028)	**For Approval By:**
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** L01240 ~~[illegible]~~ 3415

ANALYSIS REQUESTED

FOR LAB USE ONLY	
LAB #:	
QUOTE #:	

***MATRIX CODES:**

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
												92267356
09/09	1455	GW			X	MW-7			X	X		002
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0									1	1		
									2	2		

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec fw		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE:	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: JEFF WYATT	SIGNATURE	DATE/TIME: 9-10-15 12:31
COMPANY NAME: Amec fw			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE	DATE/TIME: 9-11-15 0730
COMPANY NAME: NOW	Kee 9-11-15		COMPANY NAME: Pace	Kathy Eck	ICE:
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE:	DATE/TIME: 091115/ 1712	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 9-11-15 8:30
COMPANY NAME: PACE	Colette Weaver		COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA:		TEMPERATURE: 1.30c
			UPS / FED-EX / COURIER / CLIENT / OTHER:		
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 3 OF 15

Project: Kentland Closure	Project No.	Bon L Project Contact	Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonlalum.com

Laboratory Name and Address:	E-Mail Reports To Bon L Project Contact and:
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt Phone 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	Send Invoice To:
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	PO # Or Billing Code: L0240 ~~[illegible]~~ 3415

ANALYSIS REQUESTED

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
												92267356
09/9	1320	GW			X	MW-8			X	X		005
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0									1	1		
									2	2		

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec FW		COMPANY NAME:		COMPANY NAME:	

RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE:	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: Jeff West	SIGNATURE	DATE/TIME: 9-10-15 12:31	COC/CUSTODY SEAL:
COMPANY NAME: Amec FW			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE	DATE/TIME: 9-11-15 0730	ICE:
COMPANY NAME: NOW	Kee 9-11-15		COMPANY NAME: Pace	Kathy Eck		
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE: Colette Weaver	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 9-12-15 8:30	pH:
COMPANY NAME: PACE			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE: 1.30 C
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 4 **OF** 15

Project: Kentland Closure	**Project No.**	**Bon L Project Contact**	**Terry Snell Phone: 404-431-0028 E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt — **Phone** 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:**
Terry Snell (C: 404-431-0028)	**For Approval By:**
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** L01240 ~~BBD~~ 3415

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
09/09	1745	GW			X	MW-12			X	X		92267356
												004
									1	1		
									2	2		

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0

FOR LAB USE ONLY
LAB #:
QUOTE #:

***MATRIX CODES:**

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE: [signature]	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE: [signature]	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: Jeff Wyatt	SIGNATURE [signature]	DATE/TIME: 9-10-15 12:31
COMPANY NAME: Amec FW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE Kathy Eck	DATE/TIME: 9-11-15 0730
COMPANY NAME: NOW	Kee 9-11-15		COMPANY NAME: Pace		ICE:
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE: Colette Weaver	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE [signature]	DATE/TIME: 9-12-15 8:30
COMPANY NAME: PACE			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:		TEMPERATURE: 1.3°C
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 5 OF 15

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	Terry Snell	**Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt **Phone** 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:**
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** C01240 3415

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
												92267356
09/09	1620	GW			X	MW-14			X	X		005
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0									1	1		
									2	2		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec fw		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE:	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: JEFF WYATT	SIGNATURE	DATE/TIME: 9-10-15 12:31
COMPANY NAME: Amec fw			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE	DATE/TIME: 9-11-15 0730
COMPANY NAME: NOW	Kee 9-11-15		COMPANY NAME: Pace	Kathy Eck	ICE:
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE: Colette Weaver	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 9-12-15 830
COMPANY NAME: PACE			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE: 1.3°C
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 6 **OF** 15

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028** **E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt **Phone** 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:**
Terry Snell (C: 404-431-0028)	**For Approval By:**
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** C01240 3415

FOR LAB USE ONLY
LAB #:
QUOTE #:

***MATRIX CODES:**

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
												92267356
09/09	1344	GW			X	MW-20			X	X		006
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0									1	1		
									2	2		

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE:	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: Jeff Watt	SIGNATURE	DATE/TIME: 9-10-15 12:31
COMPANY NAME: Amec FW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE	DATE/TIME: 9-11-15 0730
COMPANY NAME: NOW	Kee 9-11-15		COMPANY NAME: Pace	Kathy Eck	ICE:
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE: Colette Weaver	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 9-11-15 8:30
COMPANY NAME: PACE			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE: 1.3°C
CUSTODY INTACT YES NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 7 OF 15

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028** **E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt — **Phone** 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:**
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** L01240 ~~[illegible]~~ 3415

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
09/09	1452	GW			X	MW-21			X	X		92267356 007
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0									1	1		
									2	2		

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE: [signature]	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec fw		COMPANY NAME:	COMPANY NAME:

RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE: [signature]	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: Jeff [illegible]	SIGNATURE [signature]	DATE/TIME: 9-10-15 12:31	COC/CUSTODY SEAL:
COMPANY NAME: Amec fw			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE Kathy Eck	DATE/TIME: 9-11-15 0730	ICE:
COMPANY NAME: NOW	Kee 9-11-15		COMPANY NAME: Pace			
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE: Colette Weaver	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE [signature]	DATE/TIME: 9-12-15 8:30	pH:
COMPANY NAME: PACE			COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:		TEMPERATURE: 1.3°C
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 8 **OF** 15

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028** **E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:
Pace Analytical Services
7726 Moller Road
Indianapolis, IN 46268

Laboratory Project Manager:
Ken Hunt **Phone** 317-228-3120
E-Mail ken.hunt@pacelabs.com

Requested Turn Around Time:
5-7 Business Days (Standard)

In Case Of Problems With Samples Contact:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)

E-Mail Reports To Bon L Project Contact and:
Terry Snell (tdsnell@bonlalum.com)
Michael LaPrade (michael.laprade@amecfw.com)
Leslie Miller (leslie.miller@amecfw.com)

Send Invoice To:
For Approval By:
PO # Or Billing Code: C01240 ~~PED~~ 3415

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
09/10	1115	GW			X	MW-26			X	X		92267356 008
									1	1		
									2	2		

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE:	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: JEFF WAIT	SIGNATURE	DATE/TIME: 9-10-15 12:31
COMPANY NAME: Amec FW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE	DATE/TIME: 9-11-15 0730
COMPANY NAME: NOW	Kee 9-11-15		COMPANY NAME: Pace	Kathy Eck	ICE:
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE:	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 9-12-15 8:30
COMPANY NAME: PACE	Colette Weaver		COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE: 1.3°C
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 9 **OF** 15

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028** **E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt **Phone** 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:**
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** C01240 ~~PBO~~ 3415

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
09/10	0925	GW			X	MW-28			X	X		92267356 009

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0

	1	1
	2	2

FOR LAB USE ONLY
LAB #:
QUOTE #:

***MATRIX CODES:**

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE:	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: JEFF WYATT	SIGNATURE	DATE/TIME: 9-10-15 12:31
COMPANY NAME: Amec FW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE	DATE/TIME: 9-11-15 0730
COMPANY NAME: NOW	Kel 9-11-15		COMPANY NAME: Pace	Kathy Eck	ICE:
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE: Colette Weaver	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 9-12-15 8:30
COMPANY NAME: PACE			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE: 1.3°C
CUSTODY INTACT YES NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 10 **OF** 15

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028** **E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt **Phone** 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:**
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** C01240 ~~ABD~~ 3415

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
09/10	0850	GW			X	MW-29			X	X		92267356 010 MS/MSD Parent Sample
									1	1		
									2	2		

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec fw		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE:	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: JEFF WHATT	SIGNATURE	DATE/TIME: 9-10-15 12:31
COMPANY NAME: Amec fw			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE	DATE/TIME: 9-11-15 0930
COMPANY NAME: NOW	Kee 9-11-15		COMPANY NAME: Pace	Kathy Eck	ICE:
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE: Colette Weaver	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 9.12.15 8:30
COMPANY NAME: PACE			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE: 1.3°C
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 15 OF 15

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028 E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt — **Phone** 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:**
Terry Snell (C: 404-431-0028)	**For Approval By:**
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 001240 ~~[illegible]~~ 3415

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
												92267356
09/10	0850	GW				MS/MSD-1			X	X		MW-29 Parent Sample
									1	1		
									2	2		

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0

FOR LAB USE ONLY
LAB #:
QUOTE #:

*MATRIX CODES:

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE: [signature]	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec fw		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE: [signature]	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: JEFF WRATT	SIGNATURE [signature]	DATE/TIME: 9-10-15 12:31
COMPANY NAME: Amec fw			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE: Kee 9-11-15	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE Kathy Eck	DATE/TIME: 9-11-15 0730
COMPANY NAME: NOW			COMPANY NAME: Pace		ICE:
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE: Colette Weaver	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE [signature]	DATE/TIME: 9-12-15 8:30
COMPANY NAME: PACE			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:		TEMPERATURE:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

Project: Kentland Closure **Project No.** **Bon L Project Contact** Terry Snell **Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:
Pace Analytical Services
7726 Moller Road
Indianapolis, IN 46268

Laboratory Project Manager:
Ken Hunt **Phone** 317-228-3120
E-Mail ken.hunt@pacelabs.com

Requested Turn Around Time:
5-7 Business Days (Standard)

In Case Of Problems With Samples Contact:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)

E-Mail Reports To Bon L Project Contact and:
Terry Snell (tdsnell@bonlalum.com)
Michael LaPrade (michael.laprade@amecfw.com)
Leslie Miller (leslie.miller@amecfw.com)

Send Invoice To:
For Approval By:
PO # Or Billing Code: C01240 ~~PBO~~ 3415

FOR LAB USE ONLY
LAB #:
QUOTE #:

***MATRIX CODES:**

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1								LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
																			92267356
09/10	1015	GW			X	MW-30			X	X									011
									1	1									
									2	2									

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0

SAMPLED BY (PRINTED, COMPANY): Andrew Nielson	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec fw		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Andrew Nielson	SIGNATURE:	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: JEFF WRATT	SIGNATURE	DATE/TIME: 9-10-15 12:31
COMPANY NAME: Amec fw			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE	DATE/TIME: 9-11-15 0730
COMPANY NAME: MOW	Kee 9-11-15		COMPANY NAME: Pace	Kathy Eck	ICE:
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE:	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 9-12-15 8:30
COMPANY NAME: PACE	Colette Weaver		COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE: 1.3°C

CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 12 **OF** 15

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028** **E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt **Phone** 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:**
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** 601240 ~~TED~~ 3415

FOR LAB USE ONLY
LAB #:
QUOTE #:

***MATRIX CODES:**

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
												92267356
09/09	1810	GW			X	MW-31			X	X		012
									1	1		
									2	2		

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE:	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: Jeff Wait	SIGNATURE	DATE/TIME: 9-10-15 12:31
COMPANY NAME: Amec FW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE	DATE/TIME: 9-11-15 0730
COMPANY NAME: NOW	Kie 9-11-15		COMPANY NAME: Pace	Kathy Eck	ICE:
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE:	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 9-12-15 8:20
COMPANY NAME: PACE	Colette Weaver		COMPANY NAME:		pH:

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA:				TEMPERATURE: 1.3°C
			UPS	FED-EX	COURIER	CLIENT	OTHER:
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:				COOLER #: / SAMPLE CONDITION:
INTO LIMS:		Reviewed:					

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 13 **OF** 15

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	**Terry Snell**	**Phone: 404-431-0028** **E-Mail: tdsnell@bonlalum.com**

Laboratory Name and Address:
Pace Analytical Services
7726 Moller Road
Indianapolis, IN 46268

Laboratory Project Manager:
Ken Hunt **Phone** 317-228-3120
E-Mail ken.hunt@pacelabs.com

Requested Turn Around Time:
5-7 Business Days (Standard)

In Case Of Problems With Samples Contact:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)

E-Mail Reports To Bon L Project Contact and:
Terry Snell (tdsnell@bonlalum.com)
Michael LaPrade (michael.laprade@amecfw.com)
Leslie Miller (leslie.miller@amecfw.com)

Send Invoice To:
For Approval By:
PO # Or Billing Code: C01240 PBD 3415

FOR LAB USE ONLY
LAB #:
QUOTE #:

***MATRIX CODES:**

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
09/09	1645	GW			X	MW-33			X	X		92267356 013
									1	1		
									2	2		

Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: AMEC FW		COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE:	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: JEFF WYATT	SIGNATURE	DATE/TIME: 9-10-15 12:31
COMPANY NAME: AMEC FW			COMPANY NAME:		COC/CUSTODY SEAL:
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE Kathy Eck	DATE/TIME: 9-11-15 0930
COMPANY NAME: NOW	KW 9-11-15		COMPANY NAME: Pace		ICE:
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE: Colette Weaver	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 9-12-15 8:30
COMPANY NAME: PACE			COMPANY NAME:		pH:
RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:		TEMPERATURE: 1.3°C
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:	COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:			

CHAIN OF CUSTODY RECORD

ESC TEMPLATE NO:

BON L MANUFACTURING COMPANY
508 West Wilson St. Kentland, IN 47951

Billing Address:
P.O. Box 2555
Newnan, GA 30264

BONNELL ALUMINUM

PAGE: 14 OF 15

Project: Kentland Closure	**Project No.**		**Bon L Project Contact**	Terry Snell	**Phone:** 404-431-0028 **E-Mail:** tdsnell@bonlalum.com

Laboratory Name and Address:	**E-Mail Reports To Bon L Project Contact and:**
Pace Analytical Services	Terry Snell (tdsnell@bonlalum.com)
7726 Moller Road	Michael LaPrade (michael.laprade@amecfw.com)
Indianapolis, IN 46268	Leslie Miller (leslie.miller@amecfw.com)
Laboratory Project Manager:	
Ken Hunt **Phone** 317-228-3120	
E-Mail ken.hunt@pacelabs.com	
Requested Turn Around Time:	
5-7 Business Days (Standard)	
In Case Of Problems With Samples Contact:	**Send Invoice To:**
	For Approval By:
Leslie Miller (O: 770-421-3321 C: 678-778-7214)	**PO # Or Billing Code:** CO1240 ~~TBD~~ 3415

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMP # GRABS	COMP # HOURS	SINGLE GRAB	LOCATION	ADDITIONAL SAMPLE LOCATION INFORMATION	# OF CONTAINERS	VOCs by EPA 8260 (See Referenced Table)	EDB/DBCP by EPA 8011/504.1	LAB ID NUMBER	REMARKS/ADDITIONAL INFORMATION
09/09	1200	GW			X	DUP-1			X	X		92267356 014
Preservation Used: 1= Ice 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Other: 0									1	1		
									2	2		

FOR LAB USE ONLY
LAB #:
QUOTE #:

***MATRIX CODES:**

A -	AIR	PW -	PROCESS WATER
DW -	DRINKING WATER	S -	SOIL
GW -	GROUNDWATER	SD -	SOLID
L -	NON AQUEOUS LIQUID	SL -	SLUDGE
LW	L-W MIX	ST -	STORM WATER
O -	Oil	SW -	SURFACE WATER
OT -	OTHER	W -	WATER
P -	PRODUCT	WW -	WASTEWATER

SAMPLED BY (PRINTED, COMPANY): Andrew Nelson	SIGNATURE:	SAMPLED BY (PRINTED, COMPANY):	SIGNATURE:
COMPANY NAME: Amec fw		COMPANY NAME:	SAMPLED BY (PRINTED, COMPANY): / COMPANY NAME:

RELINQUISHED BY PRINTED NAME: Andrew Nelson	SIGNATURE:	DATE/TIME: 09/10 1225	RECEIVED BY PRINTED NAME: JEFF WYATT	SIGNATURE	DATE/TIME: 9-10-15 12:31	COC/CUSTODY SEAL:
COMPANY NAME: Amec fw			COMPANY NAME:			
RELINQUISHED BY PRINTED NAME:	SIGNATURE:	DATE/TIME:	RECEIVED BY PRINTED NAME: Kathy Eck	SIGNATURE	DATE/TIME: 9-11-15 0730	ICE:
COMPANY NAME: NOW	Kee 9-11-15		COMPANY NAME: Pace	Kathy Eck		
RELINQUISHED BY PRINTED NAME: Colette Weaver	SIGNATURE:	DATE/TIME: 09/11/15 1712	RECEIVED BY PRINTED NAME:	SIGNATURE	DATE/TIME: 9-12-15 8:30	pH:
COMPANY NAME: PACE	Colette Weaver		COMPANY NAME:			

RECEIVED BY LAB PRINTED NAME:	SIGNATURE:	DATE/TIME:	SAMPLE SHIPPED VIA: UPS / FED-EX / COURIER / CLIENT / OTHER:				TEMPERATURE: 1.3°C
CUSTODY INTACT YES / NO	Savannah Log No.:	Laboratory Remarks:	AIR BILL #:			COOLER #:	SAMPLE CONDITION:
INTO LIMS:		Reviewed:					

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1939886

Section A Required Client Information:

Company: BON L Manufacturing CO
Address: 508 West Wilson Street
Kentland, IN 47951
Email To: Terry Snell tdsnell@bonlalum.com
Phone: 404.431.0028 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Leslie Miller leslie.miller@amecfw.com
Copy To: Michael Laprade michael.laprade@amecfw.com
Purchase Order No.: CO12403415
Project Name: BON L Kentland
Project Number: 6123150107

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/GRAB DATE	Composite End/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) VOCs EPA 8260	EPA 8011	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92267356
1	Equipment Rinsate Blank	GW	G			09/09	1850						✓					✓	✓		015
2	Trip Blank					9/9	—		3									X	X		016
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Andrew Nelson Amec FW	09/10	1225							
				[signature]	9-10-15	12:31				
	MUW Kee 9-11-15			Kathy Eck/Pace	9-11-15	0730	1.3	Y	Y	Y
	Colette Weaver/PACE	091115	1712	[signature]	9-12-15	8:20	2.7	✓	~	✓

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andrew Nelson

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 09/10/15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

APPENDIX C

Historical VOC Data

APPENDIX C-1: MW-01 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-01			
	RGWT	10/25/12	03/19/14	04/28/15	09/09/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	NA	NA	BDL
1,2,4-Trimethylbenzene	15	BDL	NA	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromomethane)	80	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL
Carbon disulfide	810	BDL	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	BDL	BDL	BDL	BDL
Cyclohexane	13000	NA	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL
Methyl acetate	20000	NA	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	NA	BDL	BDL
n-Propylbenzene	660	BDL	NA	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	NA	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	BDL	BDL
Trichloroethene (TCE)	5	BDL	BDL	BDL	BDL
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	BDL	BDL
Xylenes, Total	10000	BDL	BDL	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX C-2: MW-07 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-07			
	RGWT	10/23/12	03/17/14	04/30/15	09/09/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	2.6
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	NA	NA	BDL
1,2,4-Trimethylbenzene	15	NA	NA	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	70	20	**220**	**1010**
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	12	BDL	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL
Acetone	14000	26	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromom	80	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL
Carbon disulfide	810	2.1	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	69	15	**220**	**1010**
Cyclohexane	13000	NA	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL
Methyl acetate	20000	NA	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	NA	BDL	BDL
n-Propylbenzene	660	BDL	NA	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	NA	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	1.2	4.8	2.9	7.8
Trichloroethene (TCE)	5	**51**	**9.6**	**23**	**39.2**
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL
Vinyl Chloride	2	1.4	**5.8**	**3.3**	**38.7**
Xylenes, Total	10000	BDL	BDL	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) Bold values indicate exceedance of
7) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX C-3: MW-08 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-08			
	RGWT	10/23/12	03/19/14	04/30/15	09/09/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	1.6	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	NA	NA	BDL
1,2,4-Trimethylbenzene	15	BDL	NA	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	**140**	**373**	97	55.5
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromomethane)	80	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL
Carbon disulfide	810	BDL	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	**130**	**370**	**97**	55.5
Cyclohexane	13000	NA	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL
Methyl acetate	20000	NA	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	NA	BDL	BDL
n-Propylbenzene	660	BDL	NA	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	NA	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	1.5	3.4	BDL	BDL
Trichloroethene (TCE)	5	**120**	**170**	**55**	**23.2**
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL
Vinyl Chloride	2	**22**	**100**	**5.8**	**9.4**
Xylenes, Total	10000	BDL	BDL	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed

4) RGWT - Residential Groundwater Screening Level for Tapwater

5) VOCs - Volatile Organic Compounds
6) Bold values indicate exceedance of RGWT

7) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX C-4: MW-12 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-12			
	RGWT	10/18/12	03/18/14	04/29/15	09/09/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	NA	NA	BDL
1,2,4-Trimethylbenzene	15	BDL	NA	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	BDL	BDL	BDL	1.1
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromometha	80	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL
Carbon disulfide	810	BDL	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	BDL	BDL	BDL	1.1
Cyclohexane	13000	NA	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL
Methyl acetate	20000	NA	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	NA	BDL	BDL
n-Propylbenzene	660	BDL	NA	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	NA	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	BDL	BDL
Trichloroethene (TCE)	5	BDL	BDL	BDL	BDL
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	BDL	BDL
Xylenes, Total	10000	BDL	BDL	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX C-5: MW- 14 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-14			
	RGWT	10/24/12	03/18/14	04/29/15	09/09/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	NA	NA	BDL
1,2,4-Trimethylbenzene	15	BDL	NA	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromomethane)	80	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL
Carbon disulfide	810	BDL	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	BDL	BDL	BDL	BDL
Cyclohexane	13000	NA	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL
Methyl acetate	20000	NA	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	NA	BDL	BDL
n-Propylbenzene	660	BDL	NA	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	NA	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	BDL	BDL
Trichloroethene (TCE)	5	BDL	BDL	BDL	BDL
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	BDL	BDL
Xylenes, Total	10000	BDL	BDL	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX C-6: MW-20 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-20			
	RGWT	12/18/12	03/17/14	04/29/15	09/09/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	NA	NA	BDL
1,2,4-Trimethylbenzene	15	BDL	NA	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromomethan	80	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL
Carbon disulfide	810	BDL	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	BDL	BDL	BDL	BDL
Cyclohexane	13000	NA	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL
Methyl acetate	20000	NA	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	NA	BDL	BDL
n-Propylbenzene	660	BDL	NA	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	NA	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	BDL	BDL
Trichloroethene (TCE)	5	BDL	BDL	BDL	BDL
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	BDL	BDL
Xylenes, Total	10000	BDL	BDL	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX C-7: MW-21 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-21				
	RGWT	12/18/12	03/18/14	04/30/15	09/09/15	09/09/15*
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	NA	NA	BDL	BDL
1,2,4-Trimethylbenzene	15	BDL	NA	BDL	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	18	21	65	77.4	76.2
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromomethane)	80	BDL	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL	BDL
Carbon disulfide	810	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	18	21	65	**77.4**	**76.2**
Cyclohexane	13000	NA	BDL	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL	BDL
Methyl acetate	20000	NA	BDL	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	NA	BDL	BDL	BDL
n-Propylbenzene	660	BDL	NA	BDL	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	NA	BDL	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	BDL	BDL	BDL
Trichloroethene (TCE)	5	BDL	BDL	2.6	2.5	2.3
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	2	1.4	**2.4**	**3.1**	**4.4**	**4.7**
Xylenes, Total	10000	BDL	BDL	BDL	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) Bold values indicate exceedance of RGWT
7) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
8) * - duplicate sample

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX C-8: MW-26 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-26				
	RGWT	12/18/12	12/18/12*	03/18/14	04/30/15	09/10/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	NA	NA	NA	NA	BDL
1,2,4-Trimethylbenzene	15	BDL	BDL	NA	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	**420**	**250**	54	58	82
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL	BDL
2-Hexanone	38	BDL	BDL	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromomethane)	80	BDL	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL	BDL
Carbon disulfide	810	BDL	BDL	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL	BDL
Chloroethane	21000	22	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	**420**	**250**	54	58	**80.8**
Cyclohexane	13000	NA	NA	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL	BDL
Methyl acetate	20000	NA	NA	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	BDL	NA	BDL	BDL
n-Propylbenzene	660	BDL	BDL	NA	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	BDL	NA	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	BDL	BDL	1.2
Trichloroethene (TCE)	5	**47**	**36**	BDL	BDL	BDL
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	2	**55**	**36**	**16**	**6.6**	**28.1**
Xylenes, Total	10000	BDL	BDL	BDL	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) Bold values indicate exceedance of RGWT
7) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
8) * - duplicate sample

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX C-9: MW-28 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-28		
	RGWT	03/26/14	04/30/15	09/10/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	BDL	NA	BDL
1,2,4-Trimethylbenzene	15	BDL	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	BDL	BDL	BDL
1,4-Dichlorobenzene	75	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL
2-Hexanone	38	NA	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromomethane)	80	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL
Carbon disulfide	810	NA	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	BDL	BDL	BDL
Cyclohexane	13000	NA	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL
Ethylbenzene	700	**7800**	BDL	BDL
Freon-113	55000	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL
Methyl acetate	20000	NA	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	BDL	BDL
n-Propylbenzene	660	BDL	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	BDL	BDL
Styrene	100	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	BDL
Trichloroethene (TCE)	5	BDL	BDL	BDL
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	BDL
Xylenes, Total	10000	**29000**	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) Bold values indicate exceedance of RGWT
7) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

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Checked by/Date: ASN 12/14/15

APPENDIX C-10: MW-29 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-29		
	RGWT	03/26/14	04/30/15	09/10/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	**280**	NA	**282**
1,2,4-Trimethylbenzene	15	**330**	**200**	**240**
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	BDL	BDL	6.9
1,4-Dichlorobenzene	75	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	**25000**	**10000**	3020
2-Hexanone	38	NA	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	7.9
Acetone	14000	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromomethane)	80	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL
Carbon disulfide	810	NA	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	BDL	BDL	6.9
Cyclohexane	13000	NA	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL
Ethylbenzene	700	**3800**	510	**949**
Freon-113	55000	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	13.2
Methyl acetate	20000	NA	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	BDL	29.9
n-Propylbenzene	660	BDL	BDL	BDL
Naphthalene	1.7	BDL	BDL	**155**
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	BDL	BDL
Styrene	100	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	1.7
Toluene	1000	BDL	BDL	19.9
trans-1,2-Dichloroethene	100	BDL	BDL	BDL
Trichloroethene (TCE)	5	BDL	BDL	BDL
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	BDL
Xylenes, Total	10000	**78000**	**69000**	**14900**

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) Bold values indicate exceedance of RGWT
7) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX C-11: MW-30 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-30		
	RGWT	03/26/14	04/29/15	09/10/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL
1,1-Dichloroethane	27	1.1	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	BDL	NA	2.7
1,2,4-Trimethylbenzene	15	BDL	BDL	2.6
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	BDL	BDL	BDL
1,4-Dichlorobenzene	75	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL
2-Hexanone	38	NA	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromomethane)	80	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL
Carbon disulfide	810	NA	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	BDL	BDL	BDL
Cyclohexane	13000	NA	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	5.2
Freon-113	55000	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL
Methyl acetate	20000	NA	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	BDL	BDL
n-Propylbenzene	660	BDL	BDL	BDL
Naphthalene	1.7	BDL	BDL	**3**
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	BDL	BDL
Styrene	100	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	BDL	BDL	BDL
Trichloroethene (TCE)	5	BDL	BDL	BDL
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	BDL
Xylenes, Total	10000	BDL	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX C-12: MW-31 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Company, Kentland, Indiana

CONSTITUENT	WELL ID	MW-31			
	RGWT	03/26/14	04/09/14	04/30/15	09/09/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	BDL	NA	NA	BDL
1,2,4-Trimethylbenzene	15	BDL	NA	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5	**54**	**120**	3.1	**30.2**
1,2-Dichloroethene (Total)	130	27	31	28	60.8
1,4-Dichlorobenzene	75	BDL	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL	BDL
2-Hexanone	38	NA	BDL	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromomethane)	80	BDL	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL	BDL
Carbon disulfide	810	NA	BDL	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	26	30	27	57.8
Cyclohexane	13000	NA	BDL	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL	BDL
Methyl acetate	20000	NA	BDL	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	NA	BDL	BDL
n-Propylbenzene	660	BDL	NA	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	NA	BDL	BDL
Styrene	100	BDL	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	1.1	1.4	BDL	3
Trichloroethene (TCE)	5	**9.8**	**7.2**	**13**	**18.8**
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL	BDL
Vinyl Chloride	2	**7.5**	**10**	BDL	**11.8**
Xylenes, Total	10000	BDL	BDL	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) Bold values indicate exceedance of RGWT
7) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX C-13: MW-33 HISTORICAL GROUNDWATER MONITORING RESULTS (VOCs)
Bon L Manufacturing Co.
Kentland, Indiana

CONSTITUENT	WELL ID	MW-33		
	RGWT	03/26/14	04/29/15	09/09/15
1,1,1-Trichloroethane	200	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.76	BDL	BDL	BDL
1,1,2-Trichloroethane	5	BDL	BDL	BDL
1,1-Dichloroethane	27	BDL	BDL	BDL
1,1-Dichloroethene	7	BDL	BDL	BDL
1,2,4-Trichlorobenzene	70	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	BDL	NA	BDL
1,2,4-Trimethylbenzene	15	BDL	BDL	BDL
1,2-Dibromo-3-Chloropropane	0.2	BDL	BDL	BDL
1,2-Dibromoethane (Ethylene dibromide)	0.05	BDL	BDL	BDL
1,2-Dichlorobenzene	600	BDL	BDL	BDL
1,2-Dichloroethane	5	BDL	BDL	BDL
1,2-Dichloroethene (Total)	130	16.5	12	18.8
1,4-Dichlorobenzene	75	BDL	BDL	BDL
2-Butanone (Methyl ethyl ketone)	5600	BDL	BDL	BDL
2-Hexanone	38	NA	BDL	BDL
4-methyl-2-pentanone	1200	BDL	BDL	BDL
Acetone	14000	BDL	BDL	BDL
Benzene	5	BDL	BDL	BDL
Bromodichloromethane (Dichlorobromome	80	BDL	BDL	BDL
Bromoform (Tribromomethane)	80	BDL	BDL	BDL
Bromomethane (Methyl bromide)	7.5	BDL	BDL	BDL
Carbon disulfide	810	NA	BDL	BDL
Carbon tetrachloride	5	BDL	BDL	BDL
Chlorobenzene	100	BDL	BDL	BDL
Chloroethane	21000	BDL	BDL	BDL
Chloroform	80	BDL	BDL	BDL
Chloromethane (Methyl chloride)	190	BDL	BDL	BDL
cis-1,2-Dichloroethene	70	15	11	16.7
Cyclohexane	13000	NA	BDL	BDL
Dibromochloromethane	80	BDL	BDL	BDL
Dichlorodifluoromethane (Freon 12)	200	BDL	BDL	BDL
Ethylbenzene	700	BDL	BDL	BDL
Freon-113	55000	BDL	BDL	BDL
Isopropylbenzene (Cumene)	450	BDL	BDL	BDL
Methyl acetate	20000	NA	BDL	BDL
Methyl tertiary butyl ether (MTBE)	140	BDL	BDL	BDL
Methylene chloride (Dichloromethane)	5	BDL	BDL	BDL
n-Butylbenzene	1000	BDL	BDL	BDL
n-Propylbenzene	660	BDL	BDL	BDL
Naphthalene	1.7	BDL	BDL	BDL
sec-Butylbenzene (2-Phenylbutane)	2000	BDL	BDL	BDL
Styrene	100	BDL	BDL	BDL
Tetrachloroethene (PCE)	5	BDL	BDL	BDL
Toluene	1000	BDL	BDL	BDL
trans-1,2-Dichloroethene	100	1.5	BDL	2
Trichloroethene (TCE)	5	**5.9**	BDL	BDL
Trichlorofluoromethane (Freon 11)	1100	BDL	BDL	BDL
Vinyl Chloride	2	BDL	BDL	BDL
Xylenes, Total	10000	BDL	BDL	BDL

Notes:
1) µg/L - micrograms per liter
2) BDL - Below Detection Limit (Reporting Limit)
3) NA - Not Analyzed
4) RGWT - Residential Groundwater Screening Level for Tapwater
5) VOCs - Volatile Organic Compounds
6) Bold values indicate exceedance of RGWT
7) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)

Prepared by/Date: SAG 12/11/15
Checked by/Date: ASN 12/14/15

APPENDIX D

Historical Metals Data

Appendix D-1: MW-01 HISTORICAL GROUNDWATER MONITORING RESULTS (Metals)
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	DATE	RGWT	20	0.01	0.01	2	0.004	0.01	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.1	0.094	0.002	12	0.086	6
MW-01	10/25/2012	Total	BDL	BDL	BDL	0.092	BDL	BDL	BDL	BDL	BDL	1.6	BDL	0.055	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/19/2014	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/28/2015	Total	**33.5**	BDL	BDL	0.286	BDL	BDL	**0.11**	**0.045**	0.102	**78**	**0.063**	**1.57**	BDL	0.088	BDL	BDL	BDL	BDL	0.0797	0.287
		Dissolved	BDL	BDL	BDL	0.0784	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.0563	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) BDL - Below Detection Limit (Reporting Limit)
6) NA - Not Analyzed

Prepared by/Date: ASN 12/11/15
Checked by/Date: SAG 12/14/15

Appendix D-2: MW-05 HISTORICAL GROUNDWATER MONITORING RESULTS (Metals)
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	**DATE**	**RGWT**	20	0.01	0.01	2	0.004	0.01	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.1	0.094	0.002	12	0.086	6
MW-01	**10/25/2012**	**Total**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/26/2014	**Total**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) BDL - Below Detection Limit (Reporting Limit)
6) NA - Not Analyzed

Prepared by/Date: ASN 12/11/15
Checked by/Date: SAG 12/14/15

Appendix D-3: MW-10 HISTORICAL GROUNDWATER MONITORING RESULTS (Metals)
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	**DATE**	**RGWT**	20	0.01	0.01	2	0.004	0.01	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.1	0.094	0.002	12	0.086	6
MW-10	**10/23/2012**	**Total**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/18/2014	**Total**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/28/2015	**Total**	BDL	BDL	BDL	0.0797	BDL	BDL	BDL	BDL	BDL	0.516	BDL	**0.739**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	0.0793	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.402	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) BDL - Below Detection Limit (Reporting Limit)
6) NA - Not Analyzed

Prepared by/Date: ASN 12/11/15
Checked by/Date: SAG 12/14/15

Appendix D-4: MW-11 HISTORICAL GROUNDWATER MONITORING RESULTS (Metals)
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	DATE	RGWT	20	0.01	0.01	2	0.004	0.01	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.1	0.094	0.002	12	0.086	6
MW-11	10/18/2012	Total	**23**	BDL	**0.02**	0.23	0.001	BDL	0.10	**0.018**	0.041	**46**	**0.026**	**1.3**	BDL	0.083	BDL	BDL	BDL	####	0.061	0.17
		Dissolved	0.22	BDL	BDL	0.09	BDL	BDL	BDL	BDL	BDL	0.27	BDL	BDL	NA	0.032	BDL	BDL	BDL	BDL	BDL	BDL
	3/18/2014	Total	0.75	BDL	0.002	0.078	BDL	BDL	BDL	BDL	BDL	2.2	0.0017	**0.44**	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL
		Dissolved	NA	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	NA	NA	NA
	4/29/2015	Total	2.19	BDL	BDL	0.0834	BDL	BDL	BDL	BDL	BDL	2.98	BDL	0.342	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	0.0743	BDL	BDL	BDL	BDL	BDL	0.276	BDL	0.287	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) BDL - Below Detection Limit (Reporting Limit)
6) NA - Not Analyzed

Prepared by/Date: ASN 12/11/15
Checked by/Date: SAG 12/14/15

Appendix D-5: MW-12 HISTORICAL GROUNDWATER MONITORING RESULTS (Metals)
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	DATE	RGWT	20	0.01	0.01	2	0.004	0.01	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.1	0.094	0.002	12	0.086	6
MW-12	10/18/2012	Total	11	BDL	**0.018**	0.28	0.0006	BDL	0.034	**0.0076**	0.015	**28**	0.0093	**0.640**	BDL	0.022	BDL	BDL	BDL	BDL	0.030	0.058
		Dissolved	0.16	BDL	BDL	0.18	BDL	BDL	BDL	BDL	BDL	0.24	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	3/18/2014	Total	1.2	BDL	0.0021	0.110	BDL	BDL	BDL	BDL	BDL	2.8	0.0047	**0.470**	BDL	BDL	BDL	BDL	BDL	NA	BDL	0.032
		Dissolved	0.79	BDL	0.0015	0.1	BDL	BDL	BDL	BDL	BDL	0.990	BDL	**0.460**	NA	BDL	BDL	BDL	BDL	NA	BDL	BDL
	4/29/2015	Total	BDL	BDL	BDL	0.108	BDL	BDL	BDL	BDL	BDL	0.221	BDL	**0.466**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	0.105	BDL	BDL	BDL	BDL	BDL	0.174	BDL	0.425	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) BDL - Below Detection Limit (Reporting Limit)
6) NA - Not Analyzed

Prepared by/Date: ASN 12/11/15
Checked by/Date: SAG 12/14/15

Appendix D-6: MW-13 HISTORICAL GROUNDWATER MONITORING RESULTS (Metals)
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	DATE	RGWT	20	0.01	0.01	2	0.004	0.01	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.1	0.094	0.002	12	0.086	6
MW-13	10/24/2012	Total	2.70	BDL	0.0055	0.11	BDL	BDL	BDL	**0.0092**	0.0064	3.4	0.0043	0.410	BDL	0.022	BDL	BDL	BDL	BDL	BDL	0.021
		Dissolved	BDL	BDL	BDL	0.082	BDL	BDL	BDL	0.0020	BDL	BDL	BDL	BDL	NA	0.013	BDL	BDL	BDL	BDL	BDL	BDL
	3/18/2014	Total	0.180	BDL	0.003	0.04	BDL	BDL	0.010	BDL	BDL	1.3	0.0026	0.22	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL
		Dissolved	BDL	BDL	0.003	0.035	BDL	BDL	BDL	BDL	BDL	0.9	0.0023	0.24	NA	BDL	BDL	BDL	BDL	NA	BDL	BDL
	4/28/2015	Total	0.295	BDL	BDL	0.0407	BDL	BDL	BDL	BDL	BDL	3.2	BDL	0.299	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	0.0396	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.247	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) BDL - Below Detection Limit (Reporting Limit)
6) NA - Not Analyzed

Prepared by/Date: ASN 12/11/15
Checked by/Date: SAG 12/14/15

Appendix D-7: MW-16 HISTORICAL GROUNDWATER MONITORING RESULTS (Metals)
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	**DATE**	**RGWT**	20	0.01	0.01	2	0.004	0.01	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.1	0.094	0.002	12	0.086	6
MW-16	**10/24/2012**	**Total**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/18/2014	**Total**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2015	**Total**	5.38	BDL	BDL	0.0844	BDL	BDL	BDL	BDL	BDL	4.62	BDL	0.418	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.02
		Dissolved	BDL	BDL	BDL	0.104	BDL	BDL	BDL	BDL	BDL	0.197	BDL	0.307	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) BDL - Below Detection Limit (Reporting Limit)
6) NA - Not Analyzed

Prepared by/Date: ASN 12/11/15
Checked by/Date: SAG 12/14/15

Appendix D-8: MW-17 HISTORICAL GROUNDWATER MONITORING RESULTS (Metals)
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	DATE	RGWT	20	0.01	0.01	2	0.004	0.01	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.1	0.094	0.002	12	0.086	6
MW-17	10/24/2012	Total	0.27	BDL	0.0028	0.11	BDL	BDL	BDL	0.0059	BDL	2.8	0.0021	**2.5**	BDL	0.038	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	0.12	BDL	BDL	BDL	0.0037	BDL	BDL	BDL	**2.6**	NA	0.044	BDL	BDL	BDL	BDL	BDL	BDL
	10/24/2012	Total*	0.18	BDL	BDL	0.11	BDL	BDL	BDL	0.0057	BDL	1.7	0.0023	**2.5**	BDL	0.042	BDL	BDL	BDL	BDL	BDL	BDL
	4/9/2014	Total	NA	BDL	BDL	NA	BDL	BDL	BDL	NA	BDL	NA	BDL	NA	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2015	Total	0.28	BDL	BDL	0.127	BDL	BDL	BDL	BDL	BDL	0.378	BDL	**0.797**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.024
		Dissolved	BDL	BDL	BDL	0.128	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**0.758**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) * - duplicate sample
6) BDL - Below Detection Limit (Reporting Limit)
7) NA - Not Analyzed

Prepared by/Date: ASN 12/11/15
Checked by/Date: SAG 12/14/15

Appendix D-9: MW-20 HISTORICAL GROUNDWATER MONITORING RESULTS (Metals)
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	**DATE**	**RGWT**	20	0.01	0.01	2	0.004	0.01	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.1	0.094	0.002	12	0.086	6
MW-20	**12/18/2012**	**Total**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/17/2014	**Total**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2015	**Total**	2.89	BDL	BDL	0.0999	BDL	BDL	BDL	BDL	BDL	2.79	BDL	0.154	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	0.103	BDL	BDL	BDL	BDL	BDL	0.207	BDL	0.126	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) BDL - Below Detection Limit (Reporting Limit)
6) NA - Not Analyzed

Prepared by/Date: ASN 12/11/15
Checked by/Date: SAG 12/14/15

Appendix D-10: MW-25 HISTORICAL GROUNDWATER MONITORING RESULTS (Metals)
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	**DATE**	**RGWT**	20	0.01	0.01	2	0.004	0.01	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.1	0.094	0.002	12	0.086	6
MW-25	**12/18/2012**	**Total**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/19/2014	**Total**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Dissolved	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/30/2015	**Total**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.022	BDL	BDL	0.0178	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Dissolved	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.0168	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) BDL - Below Detection Limit (Reporting Limit)
6) NA - Not Analyzed

Prepared by/Date: ASN 12/11/15
Checked by/Date: SAG 12/14/15

Appendix D-11: MW-27 HISTORICAL GROUNDWATER MONITORING RESULTS (Metals)
Bon L Manufacturing Company, Kentland, Indiana

		CONSTITUENT	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	V	Zn
WELL ID	DATE	RGWT	20	0.006	0.01	2	0.004	0.005	0.1	0.006	1.3	14	0.015	0.43	0.002	0.39	0.05	0.094	0.002	12	0.086	6
MW-27	12/18/2012	Total	**28**	**0.006**	**0.35**	0.160	0.0013	0.00095	0.06	**0.03**	0.083	**60**	**0.031**	**1**	BDL	0.13	0.02	BDL	0.001	10	**0.26**	**170**
		Dissolved	2.1	1E-04	**0.011**	0.015	BDL	BDL	BDL	0.004	0.025	2.4	BDL	0.053	NA	0.02	BDL	BDL	BDL	BDL	0.02	BDL
	3/18/2014	Total	6	BDL	**0.072**	0.037	BDL	BDL	0.013	BDL	0.037	12	0.007	0.15	BDL	BDL	BDL	BDL	BDL	NA	**0.092**	**91**
		Dissolved	5.1	BDL	0.0095	0.03	BDL	BDL	BDL	BDL	0.028	8.1	0.007	0.100	NA	0.023	BDL	BDL	BDL	NA	0.081	**54**
	4/29/2015	Total	3.01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.25	BDL	0.0338	BDL	BDL	BDL	BDL	BDL	BDL	0.0216	BDL
		Dissolved	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.0151	BDL	BDL	BDL	BDL	BDL	BDL	0.013	BDL
		Total*	3.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.15	BDL	0.0354	BDL	BDL	BDL	BDL	BDL	BDL	0.0232	BDL
		Dissolved*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.0154	BDL	BDL	BDL	BDL	BDL	BDL	0.013	BDL

Notes:
1) All constituent concentrations reported in micrograms per liter (mg/L)
2) RGWT - Residential Groundwater Screening Level for Tapwater
3) Bold values indicate exceedance of RGWT
4) RGWT values from IDEM Remediation Closure Guide Appendix A: Screening Levels, Table A-6 (effective March 2, 2015)
5) * - duplicate sample
6) BDL - Below Detection Limit (Reporting Limit)
7) NA - Not Analyzed

Prepared by/Date: ASN 12/11/15
Checked by/Date: SAG 12/14/15