Environmental Consultants
and Contractors

2830 Dairy Drive
Madison, WI 53718-6751

608 224-2830
FAX 608 224-2839
www.scsengineers.com

SCS ENGINEERS

March 2, 2017
File No. 25217027.00

RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212

Subject: Request for No Action Required
Highland Plaza Property
8530-8600 West Brown Deer Road
Milwaukee, Wisconsin

Dear RR Program Assistant:

SCS Engineers (SCS) is providing the enclosed request for No Action Required for the Highland Plaza property on behalf of RJR ML, LLC. We have also enclosed a check for payment of the Wisconsin Department of Natural Resources (WDNR) $700 technical assistance fee.

SCS has discussed general information regarding this request with the WDNR Vapor Intrusion Team Leader, Ms. Alyssa Sellwood. Ms. Sellwood can be reached at (608) 266-3084.

Sincerely,

Robert Langdon
Senior Project Manager
SCS ENGINEERS

REL/AV

cc: Mary Guess, RJR ML, LLC

Enclosures: Request for No Action Required (Form 4400-237)
$700 check for WDNR technical assistance fee

I:\25217027.00\Deliverables\No Action Required Request\170302_Highland Plaza_NAR_Cover Letter.docx

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

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

Form 4400-237 (R 9/15)

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

Definitions

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

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

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

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

Select the Correct Form

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

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

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

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

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

Instructions

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

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

Section 1. Contact and Recipient Information

Requester Information

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

Last Name	First	MI	Organization/ Business Name		
			RJR ML, LLC		
Mailing Address			City	State	ZIP Code
1180 South Beverly Drive, Suite 700			Los Angeles	CA	90035-1151
Phone # (include area code)	Fax # (include area code)		Email		
(424) 284-7784	(424) 284-7783		info@blacklionig.com		

The requester listed above: (select all that apply)

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

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

Contact Last Name	First	MI	Organization/ Business Name		
Guess	Mary	J	RJR ML, LLC		
Mailing Address			City	State	ZIP Code
1180 South Beverly Drive, Suite 700			Los Angeles	CA	90035-1151
Phone # (include area code)	Fax # (include area code)		Email		
(424) 284-7792	(424) 284-7783		mary@blacklionig.com		

Environmental Consultant (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Langdon	Robert	E	SCS Engineers		
Mailing Address			City	State	ZIP Code
2830 Dairy Drive			Madison	WI	53718
Phone # (include area code)	Fax # (include area code)		Email		
(608) 216-7329	(608) 224-2839		rlangdon@scsengineers.com		

Section 2. Property Information

Property Name			FID No. (if known)		
Highland Plaza					
BRRTS No. (if known)			Parcel Identification Number		
Not Applicable			0330015110		
Street Address			City	State	ZIP Code
8530-8600 West Brown Deer Road			Milwaukee	WI	53224
County	Municipality where the Property is located		Property is composed of:		Property Size Acres
Milwaukee	◉ City ○ Town ○ Village of		◉ Single tax parcel ○ Multiple tax parcels		8

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

◯ No ◉ Yes

Date requested by: 03/17/2017

Reason: Property for sale

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

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

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

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

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

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

- ☐ No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of $350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- ☐ Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of $700.**
- ☐ Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of $1050.**
- ☐ Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of $1050.**
- ☐ Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of $1050.**
- ☐ Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of $1050.**
- ☐ Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of $350**
- ☐ Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of $425.**
- ☐ Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of $425.**

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

- ☐ Schedule a Technical Assistance Meeting - **Include a fee of $700.**
- ☐ Hazardous Waste Determination - **Include a fee of $700.**
- ☐ Other Technical Assistance - **Include a fee of $700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- ☐ Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of $1050, and:**
  - ☐ Include a fee of $300 for sites with residual soil contamination; and
  - ☐ Include a fee of $350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

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

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

Section 4. Request for Liability Clarification

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

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

❖ **Include a fee of $700.**

Provide the following documentation:

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

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

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

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

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

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

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

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

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

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

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

❖ **Include a fee of $700.**

Provide the following documentation:

(1) ownership status of the Property;

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

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

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

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

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

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

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

☐ Perceived environmental contamination - [649];

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

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

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

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

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

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

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

(5) summary of current uses of the Property;

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

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

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

Section 4. Request for Liability Clarification (cont.)

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

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

(1) a copy of the proposed lease;

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

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

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

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

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

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

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

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

- ❖ **Include a fee of $700.**

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

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

- ❖ **Include a fee of $700.**

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

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

Dry Clean Discounters is a dry cleaning facility located at 8544 West Brown Deer Road, Milwaukee, Wisconsin (Figure 1). The facility is located in the Highland Plaza and has been operating at this location since at least 2009. In February 2014, three soil borings (GP-1, GP-2, and GP-3) were advanced and sampled to evaluate for a potential release of dry cleaning solvent. Boring locations are shown on Figure 1. Volatile organic compounds (VOCs) were not detected in any of the soil samples. A temporary groundwater monitoring well was installed in boring GP-1; however, groundwater was not encountered. Site soils were characterized as gravel fill underlain by clay to a depth of at least 18 feet below ground surface. Soil boring logs, a soil laboratory report, and soil analytical summary table (Table 1) are attached. Vapor assessments were performed in late 2016 and early 2017. The 2017 vapor sample results were significantly lower than the 2016 sample results (Table 2). Both assessments showed commercial sub-slab vapor risk screening level (VRSL) exceedances for the dry cleaner unit. The 2017 assessment included sub-slab sampling in the dry cleaner unit and the two adjoining vacant units. VOCs were detected in the adjoining unit sub-slab samples; however, the sample concentrations did not exceed commercial VRSLs. Vapor laboratory reports are attached.

The higher 2016 dry cleaner unit sub-slab sample concentrations appear to be related to equipment operation. Probes SG-1, SG-2, and SG-3 were installed immediately adjacent to dry cleaning equipment. According to the dry cleaner operator, the 2016 sub-slab probes were installed and sampled while the dry cleaning equipment was in operation. The 2017 sub-slab dry cleaner unit probes were installed and sampled while the dry cleaning equipment was off.

We are requesting No Action Required (NAR) as soil sampling results do not indicate a release to the environment and the sub-slab vapor results appear to be related to indoor air due to ongoing use of dry cleaning solvent. Installation of a vapor mitigation system (VMS) in this situation may be problematic as the VMS could pull indoor air into the sub-slab.

Section 5. Request for a Specialized Agreement

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

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

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

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

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

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

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

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

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

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

Section 6. Other Information Submitted

Identify all materials that are included with this request.

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

☐ Phase I Environmental Site Assessment Report - Date: _____

☐ Phase II Environmental Site Assessment Report - Date: _____

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

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

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

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

Date of Collection: 01/19/2017

☐ A copy of the closure letter and submittal materials

☐ Draft tax cancellation agreement

☐ Draft agreement for assignment of tax foreclosure judgment

☒ Other report(s) or information - Describe: See attached map, analytical tables, lab reports, and boring logs

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

◯ Yes - Date (if known): _____

◉ No

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

Section 7. Certification by the Person who completed this form

☐ I am the person submitting this request (requester)

☒ I prepared this request for: RJR ML, LLC
Requester Name

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

Signature

March 2, 2017
Date Signed

Senior Project Manager
Title

(608) 216-7329
Telephone Number (include area code)

Section 8. DNR Contacts and Addresses for Request Submittals

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

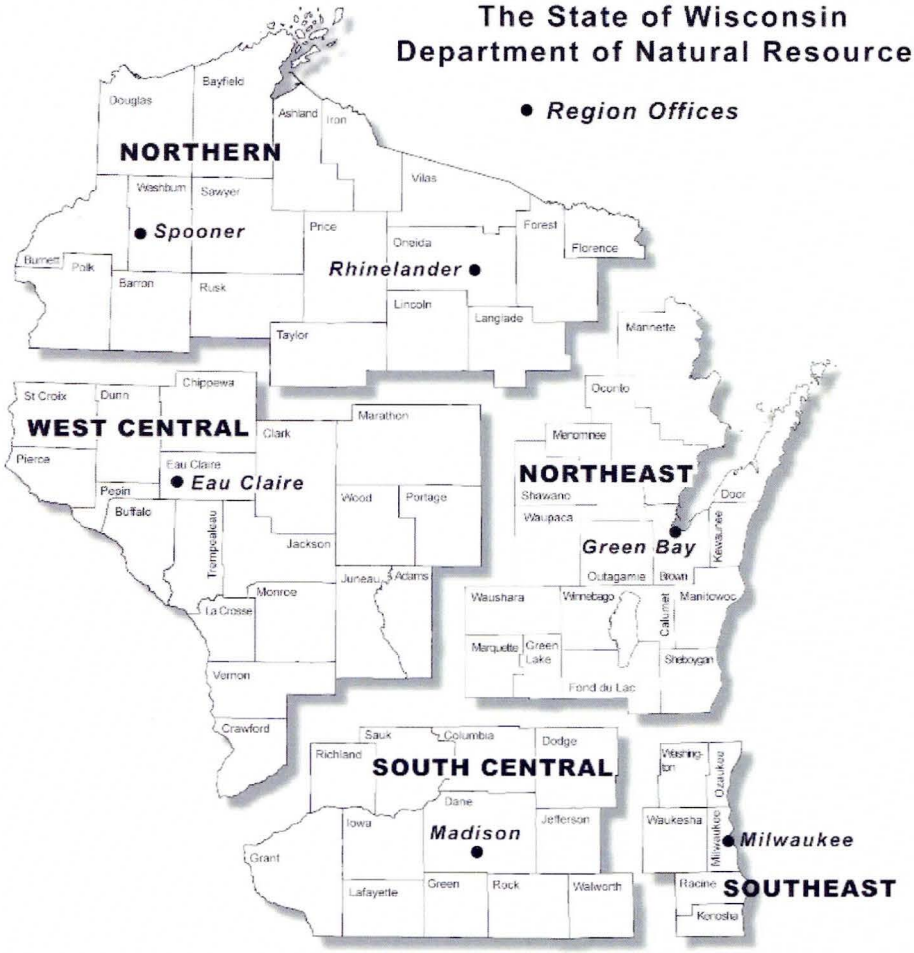
DNR NORTHERN REGION
Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

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

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

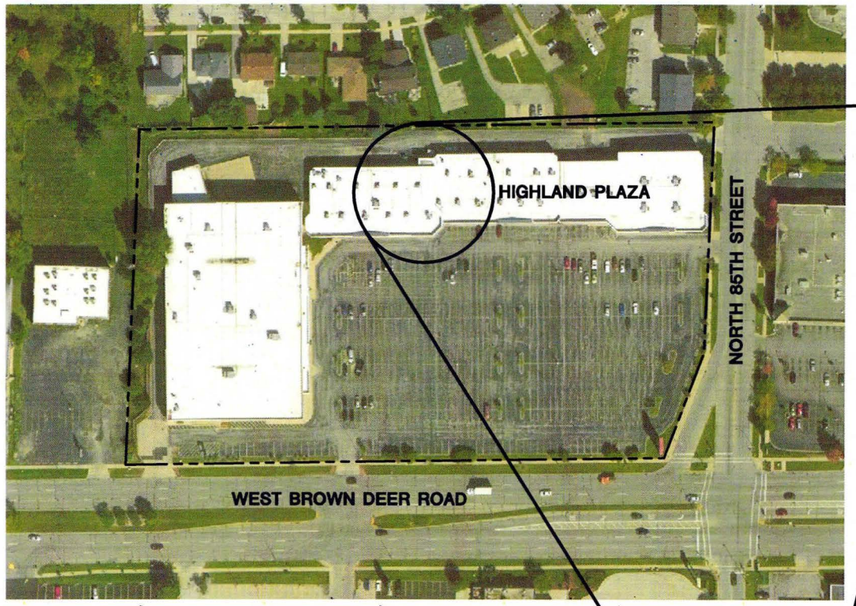
DNR SOUTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212

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



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

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



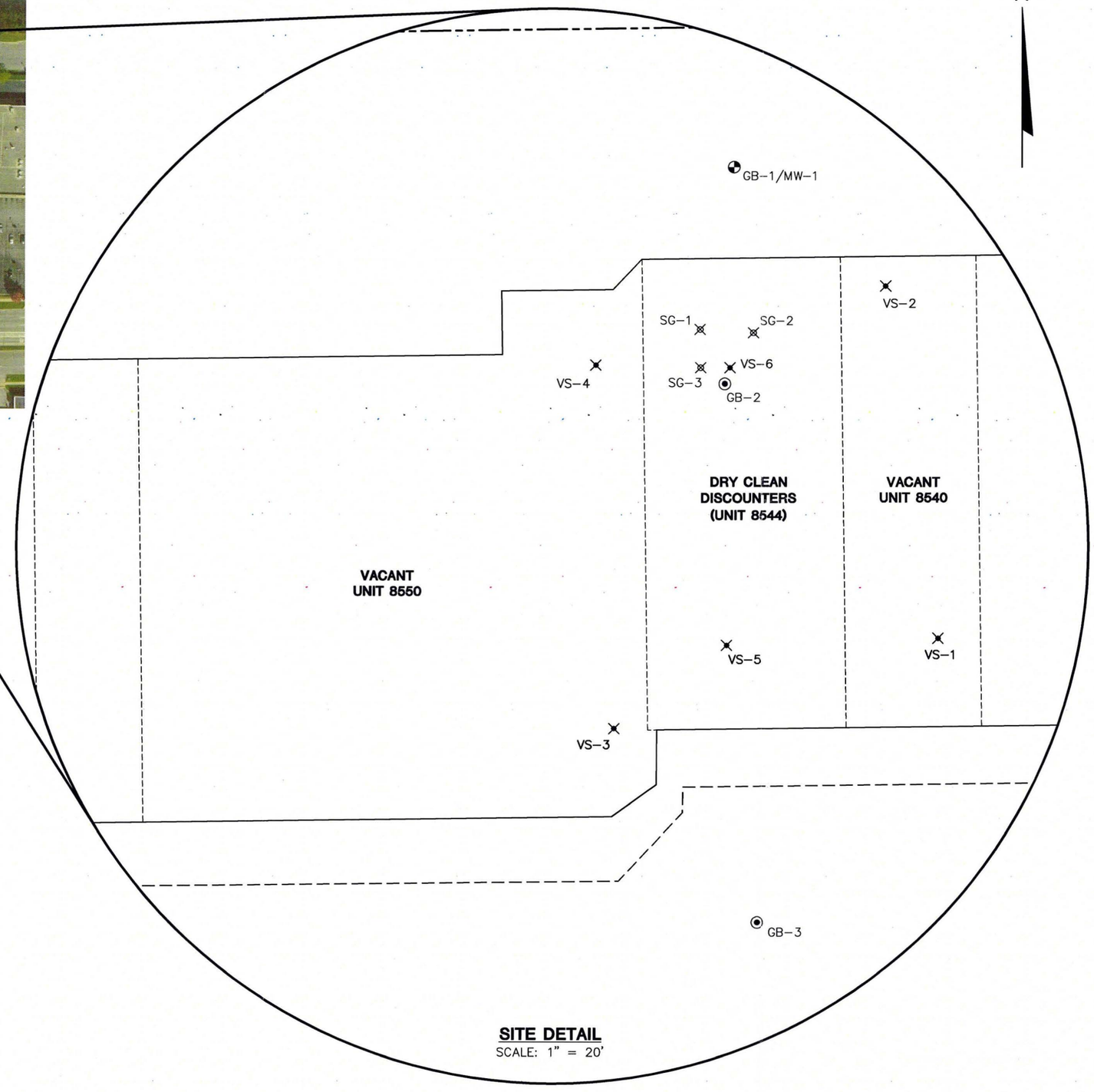
SITE OVERVIEW
SCALE: 1" = 200'

LEGEND

- PROPERTY LINE
- BUILDING OVERHANG
- INTERIOR BUILDING UNIT DIVISION
- SUB-SLAB VAPOR PROBE (INSTALLED BY SCS ENGINEERS, JANUARY 2017)
- SUB-SLAB VAPOR PROBE (INSTALLED BY EDI CONSULTANTS, OCTOBER 2016)
- SOIL BORING
- MONITORING WELL

NOTES:

1. PROPERTY LINE AND BUILDING LOCATIONS ARE APPROXIMATE, BASED ON ALTA/ACSM LAND TITLE SURVEY BY NATIONAL SURVEY & ENGINEERING, DATED JUNE 5, 2006.
2. INTERIOR BUILDING DIVISIONS ARE APPROXIMATE, BASED ON FIGURE 1, BORING AND MONITORING WELL LOCATION MAP PREPARED BY EPS ENVIRONMENTAL SERVICES, CHICAGO, IL, DATED FEBRUARY 24, 2014.
3. SUB-SLAB VAPOR PROBE LOCATIONS ARE APPROXIMATE.
4. SOIL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE, BASED ON BORING AND MONITORING WELL LOCATION MAP PREPARED BY EPS ENVIRONMENTAL SERIVCES, INC., FEBRUARY 24, 2014.



SITE DETAIL
SCALE: 1" = 20'

SITE PLAN

HIGHLAND PLAZA
8600 WEST BROWN DEER ROAD
MILWAUKEE, WISCONSIN

SITE

BLACK LION INVESTMENT GROUP, INC.
1180 SOUTH BEVERLY DRIVE, SUITE 700
LOS ANGELES, CA 90035
(424) 284-7784

CLIENT

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

ENGINEER

FIGURE 1

PROJECT NO.	25217027
DRAWN:	02/09/17
REVISED:	02/27/17
DRAWN BY:	KP
CHECKED BY:	REL
APPROVED BY:	REL 02/28/17

I:\25217027.00\Drawings\Site Plan.dwg, 2/28/2017 9:13:06 AM

Table 1. Soil Analytical Results Summary
8600 Brown Deer Rd., Milwaukee, WI / SCS Engineers Project #25217027.00
(Results are in µg/kg)

Sample	Date	Depth (feet)	PID (ppm)	Lab Notes	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC	Other VOCs
GP-1	2/24/2014	12	1.9	--	<25	<25	<25	<25	<25	ND
	2/24/2014	18	0.1	--	<25	<25	<25	<25	<25	ND
GP-2	2/24/2014	6	2.8	--	<25	<25	<25	<25	<25	ND
GP-3	2/24/2014	8	3.0	--	<25	<25	<25	<25	<25	ND
NR 720 Groundwater Pathway RCLs with a Wisconsin-Default Dilution Factor of 2					4.5	3.6	41.2	62.6	0.1	
NR 720 Non-Industrial Direct Contact RCLs					30,700	1,260	156,000	1,560,000	67	
NR 720 Industrial Direct Contact RCLs					153,000	8,810	2,040,000	1,850,000	2,030	
CAS No.					127-18-4	79-01-6	156-59-2	156-60-5	75-01-4	

Abbreviations:
µg/kg = micrograms per kilogram or parts per billion (ppb)
ppm = PID measured in ppm as isobutylene
PCE = Tetrachloroethene
CAS No. = Chemical Abstracts Service Number
TCE = Trichloroethene
DCE = Dichloroethene
VC = Vinyl Chloride
VOCs = Volatile Organic Compounds
ND = Not Detected
-- = Not Applicable

Notes:
Bold+underlined values exceed NR 720 Residual Contaminant Levels (RCLs).
NR 720 values are taken from Wisconsin Department of Natural Resources June 2016 RCL Spreadsheet.

Laboratory Notes/Qualifiers:
None

Created by: AV Date: 2/27/2017
Last revision by: AV Date: 2/27/2017
Checked by: LMH Date: 2/27/2017

I:\25217027.00\Data and Calculations\Tables\[Table 1 Soil Drycleaner.xlsx]Soil_Drycleaner

Table 2. Sub-Slab Vapor Analytical Results Summary
Highland Plaza, Milwaukee, WI / SCS Engineers Project #25217027.00
(Results are in ppbV)

Sample	Location	Date	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	Other VOCs
VS-1	8540 Highland Avenue (vacant)	1/19/2017	148	0.59	<0.11	<0.17	<0.13	NA
VS-2	8540 Highland Avenue (vacant)	1/19/2017	545	7	<0.1	<0.16	<0.13	NA
VS-3	8550 Highland Avenue (vacant)	1/19/2017	134	0.84	<0.1	<0.16	<0.13	NA
VS-4	8550 Highland Avenue (vacant)	1/19/2017	656 A3	7.6	<0.1	<0.16	<0.13	NA
VS-5	8544 Highland Avenue (Dry Clean Discounters)	1/19/2017	41	0.24	<0.11	<0.17	<0.13	NA
VS-6	8544 Highland Avenue (Dry Clean Discounters)	1/19/2017	**21,800** A3	**298** A3	0.32 J	<0.17	<0.13	NA
SG-1	8544 Highland Avenue (Dry Clean Discounters)	10/20/2016	**774,610** E	**966,660** A3, E	<143	<223	<176	ND
SG-2	8544 Highland Avenue (Dry Clean Discounters)	10/20/2016	**744,150** E	**774,430** A3, E	<143	<223	<176	ND
SG-3	8544 Highland Avenue (Dry Clean Discounters)	10/20/2016	**485,940** E	**195,900** A3	<143	<223	<176	ND
Vapor Risk Screening Level (Residential Building)			210	13	NE	NE	22	
Vapor Risk Screening Level (Small Commercial Building)			900	53	NE	NE	370	

Abbreviations:
ppbV = parts per billion by volume
NA = Not Analyzed
DCE = Dichloroethylene
NE = Not Established
VOCs = Volatile Organic Compounds

Notes:
1. Samples were collected in 6-liter summa canisters over a 30-minute period and analyzed using the USEPA TO-15 analytical method.
2. Vapor Risk Screening Levels are from Wisconsin Department of Natural Resources Quick Look-Up Table, which is based on May 2016 USEPA Regional Screening Level Tables.
3. **Bold+underlined** values meet or exceed Vapor Risk Screening Levels for Small Commercial Buildings.

Lab Notes:
A3 = The sample was analyzed by serial dilution.
E = Analyte concentration exceeded the calibration range. The reported result is estimated.
J = Estimated concentration at or above the limit of detection and below the limit of quantitation.

Created by: LMH Date: 2/1/2017
Last revision by: LMH Date: 2/27/2017
Checked by: REL Date: 2/27/2017

I:\25217027.00\Data and Calculations\Tables\[Table 2 Sub-Slab Vapor Analytical Results.xlsx]Sub-Slab Results

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 8600 Brown Deer Road, Milwaukee, WI Project #: 13649-1113CO#1
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet_____ Snow_____ Temp: 20-25^{O}F
Boring #: GP-1/MW-1 Date: 02/24/14 Time: 1100 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Asphalt Gravel Fill Material	-			
	-2		0.0	None
	-			
CLAY, Silty, Brown Color, Dry	-4		0.0	None
	-			
	-6		0.0	None
	-			
	-8		0.1	None
	-			
Grades To Gray Color	-10		1.2	None
	-			
Becomes Moist	-12	GP-1/12'	1.9	None
	-			
	-14		0.6	None
	-			
	-16		0.8	None
	-			
	-18	GP-1/18'	0.1	None
Total Depth: 18' Monitoring Well MW-1 set at 18' Rig: Truck Mounted GeoProbe® Sampler Type: Clear plastic sleeves				

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 8600 Brown Deer Road, Milwaukee, WI Project #: 13649-1113CO#1
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet_____ Snow_____ Temp: 20-25^{O}F
Boring #: GP-2 Date: 02/24/14 Time: 0945 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Concrete Gravel Fill Material	- -2		1.4	None
	- -4		2.0	None
CLAY, Silty, Brown Color, Moist	- -6	GP-2/6'	2.8	None
	- -8		2.1	None
Total Depth: 8' Rig: Bosch® Hand Held Hammer Sampler Type: Clear plastic sleeves	- -10 - -12 - -14 - -16 - -18			

EPS ENVIRONMENTAL SERVICES, INC.
GEOLOGIC BORING LOG

Project Address: 8600 Brown Deer Road, Milwaukee, WI Project #: 13649-1113CO#1
Engineer/Geologist: Nicholas J. Cuzzone, P.E.
Weather Condition: Dry X Wet_____ Snow_____ Temp: 20-25^{O}F
Boring #: GP-3 Date: 02/24/14 Time: 1145 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID-PPM	ODOR
Asphalt Gravel Fill Material	-			
	-2		0.6	None
	-			
	-4		0.7	None
	-			
	-6		0.3	None
CLAY, Silty, Brown Color, Moist	-			
	-8	GP-3/8'	3.0	None
	-			
	-10		0.6	None
	-			
	-12		0.5	None
Total Depth: 12' Rig: Truck Mounted GeoProbe® Sampler Type: Clear plastic sleeves	-			
	-14			
	-			
	-16			
	-			
	-18			

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Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: None Given
Pace Project No.: 10367290

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10367290001	SG-1	Air	10/20/16 01:24	10/24/16 09:00
10367290002	SG-2	Air	10/20/16 13:58	10/24/16 09:00
10367290003	SG-3	Air	10/20/16 14:31	10/24/16 09:00

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SAMPLE ANALYTE COUNT

Project: None Given
Pace Project No.: 10367290

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10367290001	SG-1	TO-15	NCK	6
10367290002	SG-2	TO-15	NCK	6
10367290003	SG-3	TO-15	NCK	6

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ANALYTICAL RESULTS

Project: None Given
Pace Project No.: 10367290

Sample: SG-1 **Lab ID: 10367290001** Collected: 10/20/16 01:24 Received: 10/24/16 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Benzene	**<286**	ug/m3	761	286	2342.4		10/27/16 23:56	71-43-2	
cis-1,2-Dichloroethene	**<576**	ug/m3	1900	576	2342.4		10/27/16 23:56	156-59-2	
trans-1,2-Dichloroethene	**<899**	ug/m3	1900	899	2342.4		10/27/16 23:56	156-60-5	
Tetrachloroethene	**5340000**	ug/m3	6460	2600	9369.6		10/28/16 12:22	127-18-4	E
Trichloroethene	**5280000**	ug/m3	5150	2590	9369.6		10/28/16 12:22	79-01-6	A3,E
Vinyl chloride	**<457**	ug/m3	609	457	2342.4		10/27/16 23:56	75-01-4	

Sample: SG-2 **Lab ID: 10367290002** Collected: 10/20/16 13:58 Received: 10/24/16 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Benzene	**<286**	ug/m3	761	286	2342.4		10/27/16 22:58	71-43-2	
cis-1,2-Dichloroethene	**<576**	ug/m3	1900	576	2342.4		10/27/16 22:58	156-59-2	
trans-1,2-Dichloroethene	**<899**	ug/m3	1900	899	2342.4		10/27/16 22:58	156-60-5	
Tetrachloroethene	**5130000**	ug/m3	6460	2600	9369.6		10/28/16 12:50	127-18-4	E
Trichloroethene	**4230000**	ug/m3	5150	2590	9369.6		10/28/16 12:50	79-01-6	A3,E
Vinyl chloride	**<457**	ug/m3	609	457	2342.4		10/27/16 22:58	75-01-4	

Sample: SG-3 **Lab ID: 10367290003** Collected: 10/20/16 14:31 Received: 10/24/16 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Benzene	**<286**	ug/m3	761	286	2342.4		10/28/16 00:23	71-43-2	
cis-1,2-Dichloroethene	**<576**	ug/m3	1900	576	2342.4		10/28/16 00:23	156-59-2	
trans-1,2-Dichloroethene	**<899**	ug/m3	1900	899	2342.4		10/28/16 00:23	156-60-5	
Tetrachloroethene	**3350000**	ug/m3	6460	2600	9369.6		10/28/16 13:18	127-18-4	E
Trichloroethene	**1070000**	ug/m3	5150	2590	9369.6		10/28/16 13:18	79-01-6	A3
Vinyl chloride	**<457**	ug/m3	609	457	2342.4		10/28/16 00:23	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: None Given
Pace Project No.: 10367290

QC Batch: 443838 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10367290001, 10367290002, 10367290003

METHOD BLANK: 2420124 Matrix: Air
Associated Lab Samples: 10367290001, 10367290002, 10367290003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/m3	<0.12	0.32	10/27/16 16:36	
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	10/27/16 16:36	
Tetrachloroethene	ug/m3	<0.28	0.69	10/27/16 16:36	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	10/27/16 16:36	
Trichloroethene	ug/m3	<0.28	0.55	10/27/16 16:36	
Vinyl chloride	ug/m3	<0.20	0.26	10/27/16 16:36	

LABORATORY CONTROL SAMPLE: 2420125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/m3	34.4	31.0	90	62-141	
cis-1,2-Dichloroethene	ug/m3	43.5	37.2	86	65-139	
Tetrachloroethene	ug/m3	72.4	65.6	91	60-142	
trans-1,2-Dichloroethene	ug/m3	41.1	39.1	95	67-137	
Trichloroethene	ug/m3	57.4	58.0	101	60-144	
Vinyl chloride	ug/m3	26.5	24.6	93	63-135	

SAMPLE DUPLICATE: 2423011

Parameter	Units	10367382003 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/m3	4.4	4.3	3	25	
cis-1,2-Dichloroethene	ug/m3	<0.40	<0.40		25	
Tetrachloroethene	ug/m3	<0.45	<0.45		25	
trans-1,2-Dichloroethene	ug/m3	<0.62	<0.62		25	
Trichloroethene	ug/m3	<0.44	<0.44		25	
Vinyl chloride	ug/m3	<0.31	<0.31		25	

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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QUALIFIERS

Project: None Given
Pace Project No.: 10367290

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

A3	The sample was analyzed by serial dilution.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: None Given
Pace Project No.: 10367290

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10367290001	**SG-1**	TO-15	443838		
10367290002	**SG-2**	TO-15	443838		
10367290003	**SG-3**	TO-15	443838		

10367290

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

29282

Page: 1 of 1

Section A Required Client Information:

Company: A3 Environmental
Address: 27W174 Birch St
Winfield, IL 60190
Email To: alisa@a3environmental.com
Phone: 630-995-6999 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Alisa Allen
Copy To:
Purchase Order No.:
Project Name:
Project Number:

Section C Invoice Information:

Attention: Same
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☒ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level II.___ III.___ IV.___ Other___

ITEM #	'Section D Required Client Information AIR SAMPLE ID (Sample IDs MUST BE UNIQUE)	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START END/GRAB DATE	COLLECTED COMPOSITE START END/GRAB TIME	COLLECTED COMPOSITE DATE	COLLECTED COMPOSITE TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: PM10	3C- Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO15 Short List*	Pace Lab ID
1	SG-1	ILCA450		10/20/16	12:54p	10/20/16	1:24	29	7	30	FC1150								X		001
2	SG-2	ILCA450			1:28p		1:58p	30	9	7828	FC0985								X		002
3	SG-3	2889			2:04p		2:31p	30	9	00774	FC1115								X		003
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Valid Media Codes: Tedlar Bag TB; 1 Liter Summa Can 1LC; 6 Liter Summa Can 6LC; Low Volume Puff LVP; High Volume Puff HVP; Other PM10

Comments :

Benzene, Cis-1,2-Dichlorethene
trans 1,2-Dichloroethene,
Tetrachloroethene
Trichloroethene
Vinyl Chloride

ORIGINAL

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Alisa Allen	10/20/16	3:00pm	Fed EX Pace	10/20/16	3:00pm
				10/24/16	0905

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
Amb	(Y)/N	(Y)/N	(Y)/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Alisa A. Allen

SIGNATURE of SAMPLER: Alisa Allen DATE Signed (MM / DD / YY): 10-20-16

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 26APR2016 Page 1 of 1
	Document No.: F-MN-A-106-rev.11	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: A3 environmental

Project #: WO# : 10367290

10367290

Courier: ☒ Fed Ex ☐ UPS ☐ Speedee ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 6637 5039 6823

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): X Corrected Temp (°C): X Thermom. Used: ☐ B88A912167504 ☐ B88A0143310098 ☐ 151401163 ☐ 151401164

Temp should be above freezing to 6°C Correction Factor: X Date & Initials of Person Examining Contents: 10/24/16

Type of ice Received ☐ Blue ☐ Wet ☒ None

				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 and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ 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.
Media: (Air Can) Airbag Filter TDT Passive				11.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	12.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: Alisa Allen Date/Time: 10/24/16

Comments/Resolution: Analyte list added to COC comments section

Project Manager Review: Carolyne Trout Date: 10/24/16

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)

ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin • Morton Grove, IL 60053-3203
847.967.6666 • 800.246.0663 • fax: 847.967.6735 • www.emt.com

Nick Cuzzone
EPS Environmental Services, Inc.
7237 W. Devon Avenue
Chicago, IL 606311621

March 05, 2014

RE: 8600 Brown Deer Rd., Milwaukee, WI

Lab Orders:
14020664

Dear Mr. Nick Cuzzone:

Enclosed are the analytical reports for the EMT Lab Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me at 847-967-6666.

Sincerely,

Arminta Priddy
Project Manager

Approved by,

Marilyn Krueding
Laboratory Director

This Report Contains 12 pages

State of Illinois, NELAC Accredited Lab. No. 100256
State of Wisconsin, WDNR Accredited Lab No. 999888890

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CLIENT: EPS Environmental Services, Inc. **Date:** *3/5/2014*

Project: 8600 Brown Deer Rd., Milwaukee, WI

Lab Order: 14020664

CASE NARRATIVE

Unless otherwise noted, samples were analyzed using the methods outlined in the following references:
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

Unless otherwise noted, all method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Sample results relate only to the analytes of interest tested and to the sample received at the laboratory.

All results are reported on a wet weight basis, unless otherwise noted. Dry weight adjusted results, reporting limits, method detection limits and dilution factors are indicated by the notation "dry" in the Units column. If present, a dilution factor will adjust the method detection limits and reporting limits.

The test results contained in this report meet all of the requirements of NELAC. Accreditation by the State of Illinois or Wisconsin is not an endorsement or a guarantee of the validity of data generated. For specific information regarding EMT's scope of accreditation , please contact your EMT project manager.

The Reporting Limit listed on the Report of Laboratory Analysis is EMT's reporting limit for the analyte reported. For most test methods this reporting limit is primarily based upon the lowest point in the calibration curve.

Analyst's initials of "OUT" indicate that the analyte was analyzed by a subcontracted laboratory.

Method References:
SW=USEPA, Test Methods for Evaluating Solid Waste, SW-846.
E=USEPA Methods for the Determination of Inorganic Substances in Environmental Samples; Methods for Chemical Analysis of Water and Wastes; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, 40 CFR Part 136, App A; methods for the Determination of Metals in Environmental Samples; Methods for the Determination of Organic Compounds in Drinking Water.
SM= APHA, Standard Methods for the Examination of Water and Wastewater.
D=ASTM, Annual Book of Standards

Batch numbers starting with a letter indicate an analytical batch while those that are exculsively numerals indicate a preparation batch.

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Report of Laboratory Analysis

CLIENT:	EPS Environmental Services, Inc.	**Client Sample ID:**	GP-1/12'
Lab Order:	14020664	**Report Date:**	3/5/2014
Project:	8600 Brown Deer Rd., Milwaukee, WI	**Collection Date:**	2/24/2014 11:00:00 AM
Lab ID:	14020664-01	**Matrix:**	Soil

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date Analyzed	Batch	DF	Analyst
Percent Moisture		**Method:**		**SM2540G**					
Percent Moisture	19.1	0.100		% (Percent)	0.0150	2/25/14 08:00	R198256	1.00	TB2
Volatile Organic Compounds by GC/MS		**Method:**		**SW8260B / WDNR: PUBL-FW-140**					
1,1,1-Trichloroethane	< 25	48.		µg/Kg	16.0	3/1/14 07:21	88119	1.00	JL
1,1,2,2-Tetrachloroethane	< 25	46.8		µg/Kg	15.6	3/1/14 07:21	88119	1.00	JL
1,1,2-Trichloroethane	< 25.2	75.6		µg/Kg	25.2	3/1/14 07:21	88119	1.00	JL
1,1-Dichloroethane	< 25	61.8		µg/Kg	20.6	3/1/14 07:21	88119	1.00	JL
1,1-Dichloroethene	< 25	60.9		µg/Kg	20.3	3/1/14 07:21	88119	1.00	JL
1,2-Dibromo-3-chloropropane	< 110	330.		µg/Kg	110	3/1/14 07:21	88119	1.00	JL
1,2-Dibromoethane	< 25	45.3		µg/Kg	15.1	3/1/14 07:21	88119	1.00	JL
1,2-Dichloroethane	< 25	41.4		µg/Kg	13.8	3/1/14 07:21	88119	1.00	JL
1,2-Dichloropropane	< 29.8	89.4		µg/Kg	29.8	3/1/14 07:21	88119	1.00	JL
1-Butanol	< 1500	4500.		µg/Kg	1,500	3/1/14 07:21	88119	1.00	JL
2-Butanone	< 306	918.		µg/Kg	306	3/1/14 07:21	88119	1.00	JL
2-Hexanone	< 37.6	113.		µg/Kg	37.6	3/1/14 07:21	88119	1.00	JL
4-Methyl-2-pentanone	< 136	408.		µg/Kg	136	3/1/14 07:21	88119	1.00	JL
Acetone	< 360	1080.		µg/Kg	360	3/1/14 07:21	88119	1.00	JL
Acrylonitrile	< 116	348.		µg/Kg	116	3/1/14 07:21	88119	1.00	JL
Benzene	< 25	41.7		µg/Kg	13.9	3/1/14 07:21	88119	1.00	JL
Bromodichloromethane	< 25	51.9		µg/Kg	17.3	3/1/14 07:21	88119	1.00	JL
Bromoform	< 25	70.2		µg/Kg	23.4	3/1/14 07:21	88119	1.00	JL
Bromomethane	< 36	108.		µg/Kg	36.0	3/1/14 07:21	88119	1.00	JL
Carbon disulfide	< 25	51.3		µg/Kg	17.1	3/1/14 07:21	88119	1.00	JL
Carbon tetrachloride	< 25	57.3		µg/Kg	19.1	3/1/14 07:21	88119	1.00	JL
Chlorobenzene	< 25	22.7		µg/Kg	7.56	3/1/14 07:21	88119	1.00	JL
Chloroethane	< 30.2	90.6		µg/Kg	30.2	3/1/14 07:21	88119	1.00	JL
Chloroform	< 25	30.9		µg/Kg	10.3	3/1/14 07:21	88119	1.00	JL
Chloromethane	< 41.7	125.		µg/Kg	41.7	3/1/14 07:21	88119	1.00	JL
cis-1,2-Dichloroethene	< 25	39.9		µg/Kg	13.3	3/1/14 07:21	88119	1.00	JL
Dibromochloromethane	< 25	43.2		µg/Kg	14.4	3/1/14 07:21	88119	1.00	JL
Ethylbenzene	< 25	70.2		µg/Kg	23.4	3/1/14 07:21	88119	1.00	JL
m,p-Xylene	< 58.9	177.		µg/Kg	58.9	3/1/14 07:21	88119	1.00	JL

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

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Report of Laboratory Analysis

CLIENT: EPS Environmental Services, Inc.
Client Sample ID: GP-1/12'
Lab Order: 14020664
Report Date: 3/5/2014
Project: 8600 Brown Deer Rd., Milwaukee, WI
Collection Date: 2/24/2014 11:00:00 AM
Lab ID: 14020664-01
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date Analyzed	Batch	DF	Analyst
Methyl tert-butyl ether	< 25	57.9		µg/Kg	19.3	3/1/14 07:21	88119	1.00	JL
Methylene chloride	< 32.3	96.9		µg/Kg	32.3	3/1/14 07:21	88119	1.00	JL
o-Xylene	< 25.8	77.4		µg/Kg	25.8	3/1/14 07:21	88119	1.00	JL
Styrene	< 25	34.2		µg/Kg	11.4	3/1/14 07:21	88119	1.00	JL
Tetrachloroethene	< 25	64.8		µg/Kg	21.6	3/1/14 07:21	88119	1.00	JL
Toluene	< 28.4	85.2		µg/Kg	28.4	3/1/14 07:21	88119	1.00	JL
trans-1,2-Dichloroethene	< 25	66.9		µg/Kg	22.3	3/1/14 07:21	88119	1.00	JL
Trichloroethene	< 25	56.7		µg/Kg	18.9	3/1/14 07:21	88119	1.00	JL
Vinyl acetate	< 25	32.1		µg/Kg	10.7	3/1/14 07:21	88119	1.00	JL
Vinyl chloride	< 25	25.5		µg/Kg	8.50	3/1/14 07:21	88119	1.00	JL
1,3-Dichloropropene, Total	< 50	90.9		µg/Kg	30.3	3/1/14 07:21	88119	1.00	JL
Xylenes, Total	< 84.7	254.		µg/Kg	84.7	3/1/14 07:21	88119	1.00	JL
Surrogates:									
1,2-Dichloroethane-d4	100	70-140		%REC	0	3/1/14 07:21	88119	1.00	JL
4-Bromofluorobenzene	101	80-130		%REC	0	3/1/14 07:21	88119	1.00	JL
d4-1,2-Dichlorobenzene	107	80-125		%REC	0	3/1/14 07:21	88119	1.00	JL
Dibromofluoromethane	102	80-125		%REC	0	3/1/14 07:21	88119	1.00	JL
Fluorobenzene	92.7	80-120		%REC	0	3/1/14 07:21	88119	1.00	JL
Toluene-d8	85.1	80-120		%REC	0	3/1/14 07:21	88119	1.00	JL

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

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Report of Laboratory Analysis

CLIENT:	EPS Environmental Services, Inc.	**Client Sample ID:**	GP-1/18'
Lab Order:	14020664	**Report Date:**	3/5/2014
Project:	8600 Brown Deer Rd., Milwaukee, WI	**Collection Date:**	2/24/2014 11:10:00 AM
Lab ID:	14020664-02	**Matrix:**	Soil

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date Analyzed	Batch	DF	Analyst
Percent Moisture		**Method:**		**SM2540G**					
Percent Moisture	19.8	0.100		% (Percent)	0.0150	2/25/14 08:00	R198256	1.00	TB2
Volatile Organic Compounds by GC/MS		**Method:**		**SW8260B / WDNR: PUBL-FW-140**					
1,1,1-Trichloroethane	< 25	52.2		µg/Kg	17.4	3/1/14 07:50	88119	1.00	JL
1,1,2,2-Tetrachloroethane	< 25	50.9		µg/Kg	17.0	3/1/14 07:50	88119	1.00	JL
1,1,2-Trichloroethane	< 27.4	82.2		µg/Kg	27.4	3/1/14 07:50	88119	1.00	JL
1,1-Dichloroethane	< 25	67.2		µg/Kg	22.4	3/1/14 07:50	88119	1.00	JL
1,1-Dichloroethene	< 25	66.2		µg/Kg	22.1	3/1/14 07:50	88119	1.00	JL
1,2-Dibromo-3-chloropropane	< 120	359.		µg/Kg	120	3/1/14 07:50	88119	1.00	JL
1,2-Dibromoethane	< 25	49.2		µg/Kg	16.4	3/1/14 07:50	88119	1.00	JL
1,2-Dichloroethane	< 25	45.		µg/Kg	15.0	3/1/14 07:50	88119	1.00	JL
1,2-Dichloropropane	< 32.4	97.2		µg/Kg	32.4	3/1/14 07:50	88119	1.00	JL
1-Butanol	< 1630	4890.		µg/Kg	1,630	3/1/14 07:50	88119	1.00	JL
2-Butanone	< 333	998.		µg/Kg	333	3/1/14 07:50	88119	1.00	JL
2-Hexanone	< 40.9	123.		µg/Kg	40.9	3/1/14 07:50	88119	1.00	JL
4-Methyl-2-pentanone	< 148	443.		µg/Kg	148	3/1/14 07:50	88119	1.00	JL
Acetone	< 391	1170.		µg/Kg	391	3/1/14 07:50	88119	1.00	JL
Acrylonitrile	< 126	378.		µg/Kg	126	3/1/14 07:50	88119	1.00	JL
Benzene	< 25	45.3		µg/Kg	15.1	3/1/14 07:50	88119	1.00	JL
Bromodichloromethane	< 25	56.4		µg/Kg	18.8	3/1/14 07:50	88119	1.00	JL
Bromoform	< 25.4	76.3		µg/Kg	25.4	3/1/14 07:50	88119	1.00	JL
Bromomethane	< 39.1	117.		µg/Kg	39.1	3/1/14 07:50	88119	1.00	JL
Carbon disulfide	< 25	55.8		µg/Kg	18.6	3/1/14 07:50	88119	1.00	JL
Carbon tetrachloride	< 25	62.3		µg/Kg	20.8	3/1/14 07:50	88119	1.00	JL
Chlorobenzene	< 25	24.7		µg/Kg	8.22	3/1/14 07:50	88119	1.00	JL
Chloroethane	< 32.8	98.5		µg/Kg	32.8	3/1/14 07:50	88119	1.00	JL
Chloroform	< 25	33.6		µg/Kg	11.2	3/1/14 07:50	88119	1.00	JL
Chloromethane	< 45.3	136.		µg/Kg	45.3	3/1/14 07:50	88119	1.00	JL
cis-1,2-Dichloroethene	< 25	43.4		µg/Kg	14.5	3/1/14 07:50	88119	1.00	JL
Dibromochloromethane	< 25	47.		µg/Kg	15.7	3/1/14 07:50	88119	1.00	JL
Ethylbenzene	< 25.4	76.3		µg/Kg	25.4	3/1/14 07:50	88119	1.00	JL
m,p-Xylene	< 64	192.		µg/Kg	64.0	3/1/14 07:50	88119	1.00	JL

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
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J - Analyte detected below quantitation limits

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Report of Laboratory Analysis

CLIENT: EPS Environmental Services, Inc.
Lab Order: 14020664
Project: 8600 Brown Deer Rd., Milwaukee, WI
Lab ID: 14020664-02

Client Sample ID: GP-1/18'
Report Date: 3/5/2014
Collection Date: 2/24/2014 11:10:00 AM
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date Analyzed	Batch	DF	Analyst
Methyl tert-butyl ether	< 25	62.9		µg/Kg	21.0	3/1/14 07:50	88119	1.00	JL
Methylene chloride	< 35.1	105.		µg/Kg	35.1	3/1/14 07:50	88119	1.00	JL
o-Xylene	< 28	84.1		µg/Kg	28.0	3/1/14 07:50	88119	1.00	JL
Styrene	< 25	37.2		µg/Kg	12.4	3/1/14 07:50	88119	1.00	JL
Tetrachloroethene	< 25	70.4		µg/Kg	23.5	3/1/14 07:50	88119	1.00	JL
Toluene	< 30.9	92.6		µg/Kg	30.9	3/1/14 07:50	88119	1.00	JL
trans-1,2-Dichloroethene	< 25	72.7		µg/Kg	24.2	3/1/14 07:50	88119	1.00	JL
Trichloroethene	< 25	61.6		µg/Kg	20.5	3/1/14 07:50	88119	1.00	JL
Vinyl acetate	< 25	34.9		µg/Kg	11.6	3/1/14 07:50	88119	1.00	JL
Vinyl chloride	< 25	27.7		µg/Kg	9.24	3/1/14 07:50	88119	1.00	JL
1,3-Dichloropropene, Total	< 50	98.8		µg/Kg	32.9	3/1/14 07:50	88119	1.00	JL
Xylenes, Total	< 92.1	276.		µg/Kg	92.1	3/1/14 07:50	88119	1.00	JL
Surrogates:									
1,2-Dichloroethane-d4	100	70-140		%REC	0	3/1/14 07:50	88119	1.00	JL
4-Bromofluorobenzene	109	80-130		%REC	0	3/1/14 07:50	88119	1.00	JL
d4-1,2-Dichlorobenzene	108	80-125		%REC	0	3/1/14 07:50	88119	1.00	JL
Dibromofluoromethane	102	80-125		%REC	0	3/1/14 07:50	88119	1.00	JL
Fluorobenzene	93.2	80-120		%REC	0	3/1/14 07:50	88119	1.00	JL
Toluene-d8	85.2	80-120		%REC	0	3/1/14 07:50	88119	1.00	JL

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

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Report of Laboratory Analysis

CLIENT: EPS Environmental Services, Inc.
Lab Order: 14020664
Project: 8600 Brown Deer Rd., Milwaukee, WI
Lab ID: 14020664-03

Client Sample ID: GP-2/6'
Report Date: 3/5/2014
Collection Date: 2/24/2014 9:45:00 AM
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date Analyzed	Batch	DF	Analyst
Percent Moisture		**Method:**	**SM2540G**						
Percent Moisture	19.8	0.100		% (Percent)	0.0150	2/25/14 08:00	R198256	1.00	TB2
Volatile Organic Compounds by GC/MS		**Method:**	**SW8260B / WDNR: PUBL-FW-140**						
1,1,1-Trichloroethane	< 25	48.		µg/Kg	16.0	3/1/14 08:20	88119	1.04	JL
1,1,2,2-Tetrachloroethane	< 25	46.8		µg/Kg	15.6	3/1/14 08:20	88119	1.04	JL
1,1,2-Trichloroethane	< 25.2	75.6		µg/Kg	25.2	3/1/14 08:20	88119	1.04	JL
1,1-Dichloroethane	< 25	61.8		µg/Kg	20.6	3/1/14 08:20	88119	1.04	JL
1,1-Dichloroethene	< 25	60.9		µg/Kg	20.3	3/1/14 08:20	88119	1.04	JL
1,2-Dibromo-3-chloropropane	< 110	330.		µg/Kg	110	3/1/14 08:20	88119	1.04	JL
1,2-Dibromoethane	< 25	45.3		µg/Kg	15.1	3/1/14 08:20	88119	1.04	JL
1,2-Dichloroethane	< 25	41.4		µg/Kg	13.8	3/1/14 08:20	88119	1.04	JL
1,2-Dichloropropane	< 29.8	89.4		µg/Kg	29.8	3/1/14 08:20	88119	1.04	JL
1-Butanol	< 1500	4500.		µg/Kg	1,500	3/1/14 08:20	88119	1.04	JL
2-Butanone	< 306	918.		µg/Kg	306	3/1/14 08:20	88119	1.04	JL
2-Hexanone	< 37.6	113.		µg/Kg	37.6	3/1/14 08:20	88119	1.04	JL
4-Methyl-2-pentanone	< 136	408.		µg/Kg	136	3/1/14 08:20	88119	1.04	JL
Acetone	< 360	1080.		µg/Kg	360	3/1/14 08:20	88119	1.04	JL
Acrylonitrile	< 116	348.		µg/Kg	116	3/1/14 08:20	88119	1.04	JL
Benzene	< 25	41.7		µg/Kg	13.9	3/1/14 08:20	88119	1.04	JL
Bromodichloromethane	< 25	51.9		µg/Kg	17.3	3/1/14 08:20	88119	1.04	JL
Bromoform	< 25	70.2		µg/Kg	23.4	3/1/14 08:20	88119	1.04	JL
Bromomethane	< 36	108.		µg/Kg	36.0	3/1/14 08:20	88119	1.04	JL
Carbon disulfide	< 25	51.3		µg/Kg	17.1	3/1/14 08:20	88119	1.04	JL
Carbon tetrachloride	< 25	57.3		µg/Kg	19.1	3/1/14 08:20	88119	1.04	JL
Chlorobenzene	< 25	22.7		µg/Kg	7.56	3/1/14 08:20	88119	1.04	JL
Chloroethane	< 30.2	90.6		µg/Kg	30.2	3/1/14 08:20	88119	1.04	JL
Chloroform	< 25	30.9		µg/Kg	10.3	3/1/14 08:20	88119	1.04	JL
Chloromethane	< 41.7	125.		µg/Kg	41.7	3/1/14 08:20	88119	1.04	JL
cis-1,2-Dichloroethene	< 25	39.9		µg/Kg	13.3	3/1/14 08:20	88119	1.04	JL
Dibromochloromethane	< 25	43.2		µg/Kg	14.4	3/1/14 08:20	88119	1.04	JL
Ethylbenzene	< 25	70.2		µg/Kg	23.4	3/1/14 08:20	88119	1.04	JL
m,p-Xylene	< 58.9	177.		µg/Kg	58.9	3/1/14 08:20	88119	1.04	JL

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

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Report of Laboratory Analysis

CLIENT: EPS Environmental Services, Inc.
Lab Order: 14020664
Project: 8600 Brown Deer Rd., Milwaukee, WI
Lab ID: 14020664-03

Client Sample ID: GP-2/6'
Report Date: 3/5/2014
Collection Date: 2/24/2014 9:45:00 AM
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date Analyzed	Batch	DF	Analyst
Methyl tert-butyl ether	< 25	57.9		µg/Kg	19.3	3/1/14 08:20	88119	1.04	JL
Methylene chloride	< 32.3	96.9		µg/Kg	32.3	3/1/14 08:20	88119	1.04	JL
o-Xylene	< 25.8	77.4		µg/Kg	25.8	3/1/14 08:20	88119	1.04	JL
Styrene	< 25	34.2		µg/Kg	11.4	3/1/14 08:20	88119	1.04	JL
Tetrachloroethene	< 25	64.8		µg/Kg	21.6	3/1/14 08:20	88119	1.04	JL
Toluene	< 28.4	85.2		µg/Kg	28.4	3/1/14 08:20	88119	1.04	JL
trans-1,2-Dichloroethene	< 25	66.9		µg/Kg	22.3	3/1/14 08:20	88119	1.04	JL
Trichloroethene	< 25	56.7		µg/Kg	18.9	3/1/14 08:20	88119	1.04	JL
Vinyl acetate	< 25	32.1		µg/Kg	10.7	3/1/14 08:20	88119	1.04	JL
Vinyl chloride	< 25	25.5		µg/Kg	8.50	3/1/14 08:20	88119	1.04	JL
1,3-Dichloropropene, Total	< 50	90.9		µg/Kg	30.3	3/1/14 08:20	88119	1.04	JL
Xylenes, Total	< 84.7	254.		µg/Kg	84.7	3/1/14 08:20	88119	1.04	JL
Surrogates:									
1,2-Dichloroethane-d4	100	70-140		%REC	0	3/1/14 08:20	88119	1.04	JL
4-Bromofluorobenzene	100	80-130		%REC	0	3/1/14 08:20	88119	1.04	JL
d4-1,2-Dichlorobenzene	112	80-125		%REC	0	3/1/14 08:20	88119	1.04	JL
Dibromofluoromethane	106	80-125		%REC	0	3/1/14 08:20	88119	1.04	JL
Fluorobenzene	91.1	80-120		%REC	0	3/1/14 08:20	88119	1.04	JL
Toluene-d8	85.1	80-120		%REC	0	3/1/14 08:20	88119	1.04	JL

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

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Report of Laboratory Analysis

CLIENT:	EPS Environmental Services, Inc.	**Client Sample ID:**	GP-3/8'
Lab Order:	14020664	**Report Date:**	3/5/2014
Project:	8600 Brown Deer Rd., Milwaukee, WI	**Collection Date:**	2/24/2014 11:45:00 AM
Lab ID:	14020664-04	**Matrix:**	Soil

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date Analyzed	Batch	DF	Analyst
Percent Moisture		**Method:**		**SM2540G**					
Percent Moisture	14.6	0.100		% (Percent)	0.0150	2/25/14 08:00	R198256	1.00	TB2
Volatile Organic Compounds by GC/MS		**Method:**		**SW8260B / WDNR: PUBL-FW-140**					
1,1,1-Trichloroethane	< 25	50.		µg/Kg	16.7	3/1/14 08:50	88119	1.00	JL
1,1,2,2-Tetrachloroethane	< 25	48.7		µg/Kg	16.2	3/1/14 08:50	88119	1.00	JL
1,1,2-Trichloroethane	< 26.2	78.7		µg/Kg	26.2	3/1/14 08:50	88119	1.00	JL
1,1-Dichloroethane	< 25	64.4		µg/Kg	21.5	3/1/14 08:50	88119	1.00	JL
1,1-Dichloroethene	< 25	63.4		µg/Kg	21.1	3/1/14 08:50	88119	1.00	JL
1,2-Dibromo-3-chloropropane	< 115	344.		µg/Kg	115	3/1/14 08:50	88119	1.00	JL
1,2-Dibromoethane	< 25	47.2		µg/Kg	15.7	3/1/14 08:50	88119	1.00	JL
1,2-Dichloroethane	< 25	43.1		µg/Kg	14.4	3/1/14 08:50	88119	1.00	JL
1,2-Dichloropropane	< 31	93.1		µg/Kg	31.0	3/1/14 08:50	88119	1.00	JL
1-Butanol	< 1560	4690.		µg/Kg	1,560	3/1/14 08:50	88119	1.00	JL
2-Butanone	< 319	956.		µg/Kg	319	3/1/14 08:50	88119	1.00	JL
2-Hexanone	< 39.2	118.		µg/Kg	39.2	3/1/14 08:50	88119	1.00	JL
4-Methyl-2-pentanone	< 142	425.		µg/Kg	142	3/1/14 08:50	88119	1.00	JL
Acetone	< 375	1120.		µg/Kg	375	3/1/14 08:50	88119	1.00	JL
Acrylonitrile	< 121	362.		µg/Kg	121	3/1/14 08:50	88119	1.00	JL
Benzene	< 25	43.4		µg/Kg	14.5	3/1/14 08:50	88119	1.00	JL
Bromodichloromethane	< 25	54.1		µg/Kg	18.0	3/1/14 08:50	88119	1.00	JL
Bromoform	< 25	73.1		µg/Kg	24.4	3/1/14 08:50	88119	1.00	JL
Bromomethane	< 37.5	112.		µg/Kg	37.5	3/1/14 08:50	88119	1.00	JL
Carbon disulfide	< 25	53.4		µg/Kg	17.8	3/1/14 08:50	88119	1.00	JL
Carbon tetrachloride	< 25	59.7		µg/Kg	19.9	3/1/14 08:50	88119	1.00	JL
Chlorobenzene	< 25	23.6		µg/Kg	7.87	3/1/14 08:50	88119	1.00	JL
Chloroethane	< 31.5	94.4		µg/Kg	31.5	3/1/14 08:50	88119	1.00	JL
Chloroform	< 25	32.2		µg/Kg	10.7	3/1/14 08:50	88119	1.00	JL
Chloromethane	< 43.4	130.		µg/Kg	43.4	3/1/14 08:50	88119	1.00	JL
cis-1,2-Dichloroethene	< 25	41.6		µg/Kg	13.9	3/1/14 08:50	88119	1.00	JL
Dibromochloromethane	< 25	45.		µg/Kg	15.0	3/1/14 08:50	88119	1.00	JL
Ethylbenzene	< 25	73.1		µg/Kg	24.4	3/1/14 08:50	88119	1.00	JL
m,p-Xylene	< 61.4	184.		µg/Kg	61.4	3/1/14 08:50	88119	1.00	JL

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

ENVIRONMENTAL
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Report of Laboratory Analysis

CLIENT: EPS Environmental Services, Inc.
Lab Order: 14020664
Project: 8600 Brown Deer Rd., Milwaukee, WI
Lab ID: 14020664-04

Client Sample ID: GP-3/8'
Report Date: 3/5/2014
Collection Date: 2/24/2014 11:45:00 AM
Matrix: Soil

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date Analyzed	Batch	DF	Analyst
Methyl tert-butyl ether	< 25	60.3		µg/Kg	20.1	3/1/14 08:50	88119	1.00	JL
Methylene chloride	< 33.6	101.		µg/Kg	33.6	3/1/14 08:50	88119	1.00	JL
o-Xylene	< 26.9	80.6		µg/Kg	26.9	3/1/14 08:50	88119	1.00	JL
Styrene	< 25	35.6		µg/Kg	11.9	3/1/14 08:50	88119	1.00	JL
Tetrachloroethene	< 25	67.5		µg/Kg	22.5	3/1/14 08:50	88119	1.00	JL
Toluene	< 29.6	88.8		µg/Kg	29.6	3/1/14 08:50	88119	1.00	JL
trans-1,2-Dichloroethene	< 25	69.7		µg/Kg	23.2	3/1/14 08:50	88119	1.00	JL
Trichloroethene	< 25	59.1		µg/Kg	19.7	3/1/14 08:50	88119	1.00	JL
Vinyl acetate	< 25	33.4		µg/Kg	11.1	3/1/14 08:50	88119	1.00	JL
Vinyl chloride	< 25	26.6		µg/Kg	8.85	3/1/14 08:50	88119	1.00	JL
1,3-Dichloropropene, Total	< 50	94.7		µg/Kg	31.6	3/1/14 08:50	88119	1.00	JL
Xylenes, Total	< 88.2	265.		µg/Kg	88.2	3/1/14 08:50	88119	1.00	JL
Surrogates:									
1,2-Dichloroethane-d4	98.5	70-140		%REC	0	3/1/14 08:50	88119	1.00	JL
4-Bromofluorobenzene	100	80-130		%REC	0	3/1/14 08:50	88119	1.00	JL
d4-1,2-Dichlorobenzene	113	80-125		%REC	0	3/1/14 08:50	88119	1.00	JL
Dibromofluoromethane	104	80-125		%REC	0	3/1/14 08:50	88119	1.00	JL
Fluorobenzene	92.2	80-120		%REC	0	3/1/14 08:50	88119	1.00	JL
Toluene-d8	84.5	80-120		%REC	0	3/1/14 08:50	88119	1.00	JL

Qualifiers:

B - Analyte detected in the associated Method Blank
E - Estimated
H - Holding Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
J - Analyte detected below quantitation limits

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Client: EPS Environmental Services, Inc.

Project: EPS WDNR

DATES REPORT

3/5/2014

Lab Order: 14020664

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date	Batch ID
14020664-01A	GP-1/12'	2/24/14 11:00	Soil	Volatiles in Methanol by GC/MS		2/28/14 10:46	3/1/14 07:21	88119
14020664-01B				Percent Moisture			2/25/14 08:00	R198256
14020664-02A	GP-1/18'	2/24/14 11:10		Volatiles in Methanol by GC/MS		2/28/14 10:46	3/1/14 07:50	88119
14020664-02B				Percent Moisture			2/25/14 08:00	R198256
14020664-03A	GP-2/6'	2/24/14 09:45		Volatiles in Methanol by GC/MS		2/28/14 10:46	3/1/14 08:20	88119
14020664-03B				Percent Moisture			2/25/14 08:00	R198256
14020664-04A	GP-3/8'	2/24/14 11:45		Volatiles in Methanol by GC/MS		2/28/14 10:46	3/1/14 08:50	88119
14020664-04B				Percent Moisture			2/25/14 08:00	R198256

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Morton Grove, Illinois 60053-3203

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Chain of Custody Record

TURNARAOUND TIME:
☐ RUSH
____ day turnaround
☑ ROUTINE

Due Date: ____-____-____ COC #: 131357

Company: EPS Environmental Services
Address: 7237 W Devon Ave
Chicago IL 60631

Phone #: (773) 792-3090 Fax #: (773) 792-3091
P.O. #: Proj. #: 13649 - 1113C0#1
Client Contact: Nick Cozzone
Project ID / Location: 8600 Brown Deer Road, Milwaukee, WI

Sample Type:
1. Waste Water 4. Sludge 7. Groundwater (filtered)
2. Drinking Water 5. Oil 8. Other
3. Soil 6. Groundwater

Container Type:
P - Plastic V - VOC Vial O - Other
G - Glass B - Tedlar Bag

Preservative:
1. None 4. NaOH 7. Zn Ace
2. H_2SO_4 5. HCl 8. Other CH_3OH
3. HNO_3 6. MeOH

Analyses

VOCs - J M

EMT USE ONLY 14B0667
EMT WORKORDER # 14620664

Sample I.D.	Sample Type	Container Size	Container Type	Container No.	Sampling By	Sampling Date	Sampling Time	pH	Temp.	Preservation Field	Preservation Lab	VOCs - J M	EMT USE ONLY
GP-1/12'	3	20z/40z	G	4/1	JB	2/24/14	0900			8/1		X	01A,B
GP-1/18'	"	"	"	1/1	"	"	1110			"		X	02A,B
GP-2/6'	"	"	"	"	"	"	0945			"		X	03A,B
GP-3/8'	"	"	"	"	"	"	1145			"		X	04A,B

Relinquished By: Joe Bongiorno	Date: 2-25-14 Time: 14:30	Received By:	Date: 2-25-14 Time: 14:30	EMT USE ONLY EPS Client Code: EL1	☐ SAMPLE RECEIVED ON ICE 5 ☐ TEMPERATURE (Must be recorded if sampling was greater than 6 hrs. prior to sample receipt)
Relinquished By:	Date: Time:	Received By:	Date: Time:	EMT Project I.D. WBDR O WDDR E	
Relinquished By:	Date: 2-25-14 Time: 14:55	Received For Lab By:	Date: 2-25-14 Time: 14:55	Jar Lot No.	EMT SAMPLE RETURN POLICY ON BACK

SPECIAL INSTRUCTIONS:

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

January 31, 2017

Rob Langdon
SCS Engineers
2830 Dairy Drive
Madison, WI 53718

RE: Project: 25217027 Highland Plaza
Pace Project No.: 10376894

Dear Rob Langdon:
Enclosed are the analytical results for sample(s) received by the laboratory on January 23, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Scott C. Unze

Scott Unze for
Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 25217027 Highland Plaza
Pace Project No.: 10376894

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
Alaska Certification UST-107
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 25217027 Highland Plaza
Pace Project No.: 10376894

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10376894001	VS-1	Air	01/19/17 11:06	01/23/17 09:20
10376894002	VS-2	Air	01/19/17 11:35	01/23/17 09:20
10376894003	VS-3	Air	01/19/17 14:23	01/23/17 09:20
10376894004	VS-4	Air	01/19/17 14:50	01/23/17 09:20
10376894005	VS-5	Air	01/19/17 16:08	01/23/17 09:20
10376894006	VS-6	Air	01/19/17 16:33	01/23/17 09:20

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SAMPLE ANALYTE COUNT

Project: 25217027 Highland Plaza
Pace Project No.: 10376894

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10376894001	VS-1	TO-15	MJL	5	PASI-M
10376894002	VS-2	TO-15	MJL	5	PASI-M
10376894003	VS-3	TO-15	MJL	5	PASI-M
10376894004	VS-4	TO-15	MJL	5	PASI-M
10376894005	VS-5	TO-15	MJL	5	PASI-M
10376894006	VS-6	TO-15	MJL, NCK	5	PASI-M

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ANALYTICAL RESULTS

Project: 25217027 Highland Plaza
Pace Project No.: 10376894

Sample: VS-1 **Lab ID: 10376894001** Collected: 01/19/17 11:06 Received: 01/23/17 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
cis-1,2-Dichloroethene	**<0.43**	ug/m3	1.4	0.43	1.75		01/24/17 11:39	156-59-2	
trans-1,2-Dichloroethene	**<0.67**	ug/m3	1.4	0.67	1.75		01/24/17 11:39	156-60-5	
Tetrachloroethene	**1020**	ug/m3	12.1	4.9	17.5		01/24/17 18:42	127-18-4	
Trichloroethene	**3.2**	ug/m3	0.96	0.48	1.75		01/24/17 11:39	79-01-6	
Vinyl chloride	**<0.34**	ug/m3	0.46	0.34	1.75		01/24/17 11:39	75-01-4	

Sample: VS-2 **Lab ID: 10376894002** Collected: 01/19/17 11:35 Received: 01/23/17 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
cis-1,2-Dichloroethene	**<0.41**	ug/m3	1.4	0.41	1.68		01/24/17 12:06	156-59-2	
trans-1,2-Dichloroethene	**<0.65**	ug/m3	1.4	0.65	1.68		01/24/17 12:06	156-60-5	
Tetrachloroethene	**3760**	ug/m3	23.2	9.3	33.6		01/24/17 19:27	127-18-4	
Trichloroethene	**38.2**	ug/m3	0.92	0.46	1.68		01/24/17 12:06	79-01-6	
Vinyl chloride	**<0.33**	ug/m3	0.44	0.33	1.68		01/24/17 12:06	75-01-4	

Sample: VS-3 **Lab ID: 10376894003** Collected: 01/19/17 14:23 Received: 01/23/17 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
cis-1,2-Dichloroethene	**<0.41**	ug/m3	1.4	0.41	1.68		01/24/17 12:34	156-59-2	
trans-1,2-Dichloroethene	**<0.65**	ug/m3	1.4	0.65	1.68		01/24/17 12:34	156-60-5	
Tetrachloroethene	**926**	ug/m3	11.6	4.7	16.8		01/24/17 19:05	127-18-4	
Trichloroethene	**4.6**	ug/m3	0.92	0.46	1.68		01/24/17 12:34	79-01-6	
Vinyl chloride	**<0.33**	ug/m3	0.44	0.33	1.68		01/24/17 12:34	75-01-4	

Sample: VS-4 **Lab ID: 10376894004** Collected: 01/19/17 14:50 Received: 01/23/17 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
cis-1,2-Dichloroethene	**<0.41**	ug/m3	1.4	0.41	1.68		01/24/17 13:01	156-59-2	
trans-1,2-Dichloroethene	**<0.65**	ug/m3	1.4	0.65	1.68		01/24/17 13:01	156-60-5	
Tetrachloroethene	**4520**	ug/m3	46.3	18.7	67.2		01/24/17 19:49	127-18-4	A3
Trichloroethene	**41.3**	ug/m3	0.92	0.46	1.68		01/24/17 13:01	79-01-6	
Vinyl chloride	**<0.33**	ug/m3	0.44	0.33	1.68		01/24/17 13:01	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 25217027 Highland Plaza
Pace Project No.: 10376894

Sample: VS-5 **Lab ID: 10376894005** Collected: 01/19/17 16:08 Received: 01/23/17 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
cis-1,2-Dichloroethene	**<0.43**	ug/m3	1.4	0.43	1.75		01/24/17 13:29	156-59-2	
trans-1,2-Dichloroethene	**<0.67**	ug/m3	1.4	0.67	1.75		01/24/17 13:29	156-60-5	
Tetrachloroethene	**283**	ug/m3	1.2	0.49	1.75		01/24/17 13:29	127-18-4	
Trichloroethene	**1.3**	ug/m3	0.96	0.48	1.75		01/24/17 13:29	79-01-6	
Vinyl chloride	**<0.34**	ug/m3	0.46	0.34	1.75		01/24/17 13:29	75-01-4	

Sample: VS-6 **Lab ID: 10376894006** Collected: 01/19/17 16:33 Received: 01/23/17 09:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
cis-1,2-Dichloroethene	**1.3J**	ug/m3	1.4	0.43	1.75		01/24/17 13:56	156-59-2	
trans-1,2-Dichloroethene	**<0.67**	ug/m3	1.4	0.67	1.75		01/24/17 13:56	156-60-5	
Tetrachloroethene	**150000**	ug/m3	1540	623	2240		01/26/17 06:48	127-18-4	A3
Trichloroethene	**1630**	ug/m3	308	155	560		01/24/17 20:12	79-01-6	A3
Vinyl chloride	**<0.34**	ug/m3	0.46	0.34	1.75		01/24/17 13:56	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 25217027 Highland Plaza
Pace Project No.: 10376894

QC Batch: 457020 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10376894001, 10376894002, 10376894003, 10376894004, 10376894005, 10376894006

METHOD BLANK: 2502655 Matrix: Air
Associated Lab Samples: 10376894001, 10376894002, 10376894003, 10376894004, 10376894005, 10376894006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	01/24/17 10:11	
Tetrachloroethene	ug/m3	<0.28	0.69	01/24/17 10:11	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	01/24/17 10:11	
Trichloroethene	ug/m3	<0.28	0.55	01/24/17 10:11	
Vinyl chloride	ug/m3	<0.20	0.26	01/24/17 10:11	

LABORATORY CONTROL SAMPLE: 2502656

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	40.3	39.2	97	65-139	
Tetrachloroethene	ug/m3	68.9	73.1	106	60-142	
trans-1,2-Dichloroethene	ug/m3	40.3	37.8	94	67-137	
Trichloroethene	ug/m3	54.6	64.4	118	60-144	
Vinyl chloride	ug/m3	26	24.0	92	63-135	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALIFIERS

Project: 25217027 Highland Plaza
Pace Project No.: 10376894

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 25217027 Highland Plaza
Pace Project No.: 10376894

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10376894001	**VS-1**	TO-15	457020		
10376894002	**VS-2**	TO-15	457020		
10376894003	**VS-3**	TO-15	457020		
10376894004	**VS-4**	TO-15	457020		
10376894005	**VS-5**	TO-15	457020		
10376894006	**VS-6**	TO-15	457020		

10376894

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

22770

Page: 1 of 1

Section A Required Client Information:
Company: SCS Engineers
Address: 2830 Dairy Drive
Madison, WI 53718
Email To: Rlangdon@scsengineers.com
Phone: 608-216-7329 Fax:
Requested Due Date/TAT:

Section B Required Project Information:
Report To: Robert Langdon
Copy To:
Purchase Order No.: 25217027
Project Name: Highland Plaza
Project Number: 25219027

Section C Invoice Information:
Attention: Robert Langdon
Company Name: SCS Engineers
Address: 2830 Dairy Dr. Msn, WI 53718
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: UST / Superfund / Emissions / Clean Air Act / Voluntary Clean Up / Dry Clean / RCRA / Other

Location of Sampling by State: WI

Reporting Units: ug/m³ / mg/m³ / PPBV / PPMV / Other X

Report Level: II. III. IV. Other

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	'Section D Required Client Information: AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED: COMPOSITE START / GRAB DATE	COLLECTED: COMPOSITE START / GRAB TIME	COLLECTED: COMPOSITE END DATE	COLLECTED: COMPOSITE END TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: PM10	3C-Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO15 Short List*	Pace Lab ID
1	~~WS-1~~			~~1-19-17~~	~~1036~~																
2	US-1	GLC	0	1-19-17	1036	1-19-17	1106	-29	-7.5	01991217									X		001
3	US-2		265	1-19-17	1135	1-19-17	1135	-29	-7.5	09271201									X		002
4	US-3		430	"	1353	"	1423	-29	-7.5	02401140									X		003
5	US-4		1995	"	14:20	"	14:50	-30	-8	01280669									X		004
6	US-5		1099	"	15:38	"	16:08	-29	-8	04231188									X		005
7	US-6		28	"	16:03	"	16:33	-29	-7.5	07990723									X		006
8																					
9																					
10																					
11																					
12																					

Comments:
* PCE, TCE, cis12DCE, Trans 12DCE, Vinyl chloride
US-1 through US-5 PID readings in ppb. US-6 PID in ppm

ORIGINAL

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Nathan Harms/SCS	1-20-17		~~Pace~~ Pace	12317	0920

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Nate Harms
SIGNATURE of SAMPLER:
DATE Signed (MM / DD / YY): 01/20/17

SAMPLE CONDITIONS

Temp in °C: Avg	Received on Ice: Y/N	Custody Sealed Cooler: Y/N	Samples Intact: Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414 Air Technical Phone: 612.607.6386

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 26APR2016 Page 1 of 1
	Document No.: F-MN-A-106-rev.11	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: SCS Eng.

Project #: WO#: 10376894

10376894

Courier: ☒ Fed Ex ☐ UPS ☐ Speedee ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 6637 5041 0511, 6637 5041 0522

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): 0 Corrected Temp (°C): 0 Thermom. Used: ☐ B88A912167504 ☐ B88A0143310098 ☐ 151401163 ☐ 151401164

Temp should be above freezing to 6°C Correction Factor: 0 Date & Initials of Person Examining Contents: 1/23/17

Type of ice Received ☐ Blue ☐ Wet ☒ None

				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 and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ 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.
Media: (Air Can) Airbag Filter TDT Passive				11.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	12.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Lathan Boberg Date: 1/23/17

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)

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 830-644-2130

Lab Project Number: 10376894
Project Name: 25217027 Highland Plaza

Lab Sample No: 10376894001 ProjSampleNum: 10376894001 Date Collected: 01/19/17 11:06
Client Sample ID: VS-1 Matrix: Air Date Received: 01/23/17 9:20

Parameters	Report Limit ug/m3	Results ug/m3	Report Limit ppbv	Results ppbv	DF	Analyzed	CAS No.
Air TO-15							
cis-1,2-Dichloroethene	1.4	<0.43	0.35	<0.11	1.75	01/24/17 11:39 MJL	156-59-2
Tetrachloroethene	12.1	1020	1.8	148	17.5	01/24/17 18:42 MJL	127-18-4
trans-1,2-Dichloroethene	1.4	<0.67	0.35	<0.17	1.75	01/24/17 11:39 MJL	156-60-5
Trichloroethene	0.96	3.2	0.18	0.59	1.75	01/24/17 11:39 MJL	79-01-6
Vinyl chloride	0.46	<0.34	0.18	<0.13	1.75	01/24/17 11:39 MJL	75-01-4

Lab Sample No: 10376894002 ProjSampleNum: 10376894002 Date Collected: 01/19/17 11:35
Client Sample ID: VS-2 Matrix: Air Date Received: 01/23/17 9:20

Parameters	Report Limit ug/m3	Results ug/m3	Report Limit ppbv	Results ppbv	DF	Analyzed	CAS No.
Air TO-15							
cis-1,2-Dichloroethene	1.4	<0.41	0.35	<0.1	1.68	01/24/17 12:06 MJL	156-59-2
Tetrachloroethene	23.2	3760	3.4	545	33.6	01/24/17 19:27 MJL	127-18-4
trans-1,2-Dichloroethene	1.4	<0.65	0.35	<0.16	1.68	01/24/17 12:06 MJL	156-60-5
Trichloroethene	0.92	38.2	0.17	7	1.68	01/24/17 12:06 MJL	79-01-6
Vinyl chloride	0.44	<0.33	0.17	<0.13	1.68	01/24/17 12:06 MJL	75-01-4

Lab Sample No: 10376894003 ProjSampleNum: 10376894003 Date Collected: 01/19/17 14:23
Client Sample ID: VS-3 Matrix: Air Date Received: 01/23/17 9:20

Parameters	Report Limit ug/m3	Results ug/m3	Report Limit ppbv	Results ppbv	DF	Analyzed	CAS No.
Air TO-15							
cis-1,2-Dichloroethene	1.4	<0.41	0.35	<0.1	1.68	01/24/17 12:34 MJL	156-59-2
Tetrachloroethene	11.6	926	1.7	134	16.8	01/24/17 19:05 MJL	127-18-4
trans-1,2-Dichloroethene	1.4	<0.65	0.35	<0.16	1.68	01/24/17 12:34 MJL	156-60-5
Trichloroethene	0.92	4.6	0.17	0.84	1.68	01/24/17 12:34 MJL	79-01-6
Vinyl chloride	0.44	<0.33	0.17	<0.13	1.68	01/24/17 12:34 MJL	75-01-4

SUPPLEMENTAL REPORT

Units Conversion Request

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: SCS Engineers
Phone: 830-644-2130

Lab Project Number: 10376894
Project Name: 25217027 Highland Plaza

Lab Sample No: 10376894004 ProjSampleNum: 10376894004 Date Collected: 01/19/17 14:50
Client Sample ID: VS-4 Matrix: Air Date Received: 01/23/17 9:20

Parameters	Report Limit ug/m3	Results ug/m3	Report Limit ppbv	Results ppbv	DF	Analyzed	CAS No.
Air TO-15							
cis-1,2-Dichloroethene	1.4	<0.41	0.35	<0.1	1.68	01/24/17 13:01 MJL	156-59-2
Tetrachloroethene	46.3	4520	6.7	656	67.2	01/24/17 19:49 MJL	127-18-4
trans-1,2-Dichloroethene	1.4	<0.65	0.35	<0.16	1.68	01/24/17 13:01 MJL	156-60-5
Trichloroethene	0.92	41.3	0.17	7.6	1.68	01/24/17 13:01 MJL	79-01-6
Vinyl chloride	0.44	<0.33	0.17	<0.13	1.68	01/24/17 13:01 MJL	75-01-4

Lab Sample No: 10376894005 ProjSampleNum: 10376894005 Date Collected: 01/19/17 16:08
Client Sample ID: VS-5 Matrix: Air Date Received: 01/23/17 9:20

Parameters	Report Limit ug/m3	Results ug/m3	Report Limit ppbv	Results ppbv	DF	Analyzed	CAS No.
Air TO-15							
cis-1,2-Dichloroethene	1.4	<0.43	0.35	<0.11	1.75	01/24/17 13:29 MJL	156-59-2
Tetrachloroethene	1.2	283	0.17	41	1.75	01/24/17 13:29 MJL	127-18-4
trans-1,2-Dichloroethene	1.4	<0.67	0.35	<0.17	1.75	01/24/17 13:29 MJL	156-60-5
Trichloroethene	0.96	1.3	0.18	0.24	1.75	01/24/17 13:29 MJL	79-01-6
Vinyl chloride	0.46	<0.34	0.18	<0.13	1.75	01/24/17 13:29 MJL	75-01-4

Lab Sample No: 10376894006 ProjSampleNum: 10376894006 Date Collected: 01/19/17 16:33
Client Sample ID: VS-6 Matrix: Air Date Received: 01/23/17 9:20

Parameters	Report Limit ug/m3	Results ug/m3	Report Limit ppbv	Results ppbv	DF	Analyzed	CAS No.
Air TO-15							
cis-1,2-Dichloroethene	1.4	1.3	0.35	0.32J	1.75	01/24/17 13:56 MJL	156-59-2
Tetrachloroethene	1540	150000	223	21800	2240	01/26/17 6:48 NCK	127-18-4
trans-1,2-Dichloroethene	1.4	<0.67	0.35	<0.17	1.75	01/24/17 13:56 MJL	156-60-5
Trichloroethene	308	1630	56.4	298	560	01/24/17 20:12 MJL	79-01-6
Vinyl chloride	0.46	<0.34	0.18	<0.13	1.75	01/24/17 13:56 MJL	75-01-4

SUPPLEMENTAL REPORT

Units Conversion Request