

Wholt @ manniksmithgroup. com

March 14, 2018

City of Detroit Department of Public Works
City Engineering & Street Maintenance Divisions
Coleman A. Young Municipal Center
2 Woodward Avenue, Suite 611
Detroit, Michigan 48226

Re: Notice of Migration of Contamination

From 5825 Reeder Street, Detroit, MI, Tax ID 16000075 (MDOT Parcel 5118); 5828 W. Jefferson Ave., Detroit, MI, Tax ID 16000042.001 (MDOT Parcel 5119); and/or 5824 W. Jefferson Ave., Detroit, MI, Tax ID (MDOT Parcel 5721) Potentially toward W. Jefferson Ave. right-of-way to the south, Campbell St. right-of-way to the east, Reeder St. right-of-way to the north, and/or alley rights-of-way to the north, south, and east

Notification No. 5118.5119.5721-ROW

To whom it may concern:

The Mannik Smith Group, Inc. ("MSG"), on behalf of the Michigan Department of Transportation ("MDOT"), has directed or conducted underground environmental testing at 5825 Reeder Street and 5828, 5824 West Jefferson Avenue, Detroit, Michigan ("the Site") in relation to the Gordie Howe International Bridge project underway in the vicinity of the rights-of-way referenced above ("the subject properties").

The Michigan Department of Environmental Quality ("MDEQ") requires distribution of the enclosed a Notice of Migration of Contamination form when there is evidence that environmental contamination at one property has or may have affected nearby properties. Hazardous substance(s) were identified in soil and/or groundwater sample(s) collected at the Site at concentration(s) that exceed Generic Residential Cleanup Criteria and Screening Levels established by the MDEQ.

At this time, it is not known if the subject properties have been affected by the environmental contamination at the Site. Also, the identification of hazardous substance(s) at the Site does not necessarily mean a hazardous situation or immediate danger currently exists. MSG, on behalf of the MDOT, is providing this notice to you as a precautionary measure and for your general awareness of environmental conditions at the Site.

Please review the enclosed document and if you have any questions regarding the Notice of Migration of Contamination please contact Karen Williams of the MDEQ at 586-753-3884. If you have general questions regarding the contents of this letter please contact Walter Bolt of MSG at 734-397-3100, extension 6025 or Jim Woodruff of the MDOT at 517-241-9115.

Sincerely.

Walter J. Bolt, CPG

Project Manager

Environmental Owners Representative Consultant Gordie Howe International Bridge Project

CC:

Jim Woodruff - MDOT

Karen Williams – MDEQ RRD Project Manager

Paul Max – General Manager, Environmental Affairs, City of Detroit BSEED Anita Harrington – Environmental Specialist II, City of Detroit BSEED

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5118.5119.5721.Notice Cover Letter.DetroitDPW.docx

2365 Haggerty Road South, Canton, Michigan 48188 Tel: 734.397.3100 Fax: 734.397.3131 www.MannikSmithGroup.com

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MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY REMEDIATION AND REDEVELOPMENT DIVISION

For DEQ Use Only	
ITS#	
Site ID #	
Category Code:	

NOTICE OF MIGRATION OF CONTAMINATION (FORM EQP4482 REV. 4/16)

(Under the authority of Part 201, Natural Resources and Environmental Protection Act, 1994 Act 451, as amended, (NREPA) and the Rules promulgated thereunder)

An owner or operator of property that is a facility, and/or who is subject to MCL324.20107a, and who has reason to believe that a hazardous substance is emanating from, has emanated from, or is likely to be emanating from the property and migrating beyond the boundaries of the property that he or she owns or operates is required under R 299.51017(1) and MCL 324.20114(1)(b)(ii) & (iii) to notify the Michigan Department of Environmental Quality (DEQ) and affected property owners. Submission of this notice does not fulfill the notification requirements of MCL 324.21309a

The notice must be provided within 45 days (MCL 324.20107a) or within 30 days (MCL 324.20114) after the owner or operator has reason to believe that hazardous substances have migrated, or are likely to have migrated, to or beyond the boundary of his or her property (see R 299.51017 for exceptions that apply to parties subject to MCL 324.20107a).

Use of this form is mandatory for the notice required by R 299.51017(1) and may also be used by parties subject to MCL 324.20114(1)(b)(ii) & (iii). This form may also be used to provide notice to affected property owners as required by those rules.

If a person holds a permit for an oil and gas well under Part 615, Supervisor of Wells, of the NREPA and there is a release from the oil and gas exploration or production activities, that person shall give notice to the DEQ and to the owner of the surface rights of the property.

If a person holds an easement and there is a release from the easement holder's activities, that person shall provide notice to the DEQ and to the grantor of the easement, or the grantor's successor in interest, if any.

Completing this notice in no way relieves a person who is subject to MCL 324.20114 from the responsibility to undertake required response activities.

This notice must be sent to the DEQ office that serves the county in which the property is located. A list of DEQ offices is available at www.michigan.gov/deqduecare, or by calling the Remediation and Redevelopment Division's Lansing office at 517-284-5187. The DEQ will not prepare acknowledgement of receipt of these notices. The sender is responsible for sending the report using a method that provides proof of delivery if such proof is desired. Please label the outside of the envelope "Migration Notice." Additional guidelines for the compliance with the requirements of R 299.51017(1) or MCL 324.20114(1)(b)(ii) & (iii) are available at www.michigan.gov/deqduecare.

	THIS NOTICE IS PROVIDED PURSUANT TO: R 299.51017 MCL 324.20114(1)
F	Please provide the following information as completely as possible.
•	Name and location of the property that hazardous substances are emanating from: Status relative to the property: (Check one or both, as applicable.)
	Name: MI Dept. of Transportation (MDOT) Parcels 5118, 5119, 5721 Owner Address: 5825 Reeder St., 5828, 5824 W. Jefferson Ave. Operator Location: Michigan City/County: Detroit/Wayne Property Tax Identification Number, or if applicable, the ward and item number: 16000075, 16000042.001, 16000042.002L
	Latitude (decimal degrees): 42.303211 °N Longitude (decimal degrees): 43.094667 °W
	Reference Point for Latitude and Longitude: Center of Site: Main/front door: Front gate/main entrance: Other:
	Collection Method: Survey: ☐ Interpolation: ☐ GPS: ☒

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2. Provide any additional ID numbers associated with the property (e.g., EPA ID No., BEA No., Part 213 facility ID No., etc.):

GHIB MDOT Parcels 5118, 5119, & 5721; MERA Site ID# 82002800; CNTS-RRD-16-001

3. Name, address, and telephone number of the property owner, operator, or other party submitting the notice:

Name: MDOT Bureau of Development, Environmental Services Section

Address: 425 W. Ottawa Street, P.O. Box 30050

City/State: Lansing, MI, 48909 Telephone Number: 517-241-9115

4. Name, address and telephone number of a contact person familiar with the content of the notice:

Name: Walter Bolt of The Mannik & Smith Group, Inc. Environmental Owner's Rep Consultant to MDOT

Address: 2365 Haggerty Road South

City/State: Canton, MI 48188

Telephone Number: 734-397-3100 x. 6025

5. If this Notice is provided pursuant to R 299.51017, provide the address and other location information for the *adjacent* property(s) onto which contamination is migrating, has migrated, or is likely to migrate.

If this Notice is provided pursuant to MCL Section 324.20114(1), provide the address and other location information for *each* property onto which contamination has migrated. Notice should be sent to the property owner of record. If the impacted property is owned by the State of Michigan, notice should be sent to the department managing the property (e.g., a prison, state park, etc.). Notices to the Michigan Department of Transportation (MDOT) for state owned roadways should be sent to Contaminated Site Specialist, Environmental Services Section, MDOT-Bureau of Development, 425 W. Ottawa Street, P.O. Box 30050, Lansing, MI 48909. If the impacted property is owned by the State of Michigan, notice should be sent to the department managing the property (i.e. a prison, state park, etc.).

Address: 5815, 5851 W. Jefferson Ave. Notified? No Yes Date: March 14, 2018

City/State: Detroit, MI

Property Tax ID number: 160000089, 16000006.002L

Other: Revere Dock, LLC

Address: 5840 W. Jefferson Ave., 5833 Reeder St. Notified? No Date: March 14, 2018

City/State: Detroit, MI

Property Tax ID number: 1600003941, 16000076

Other: Nancy E. Larsen c/o

Ackerman, Ackerman & Dynkowski

Address: 5822 W. Jefferson Ave., 466, 522 Campbell St. Notified? No 🔲 Yes 🛛 Date: March 14, 2018

City/State: Detroit, MI

Property Tax ID number: 160000435, 16014450-5 Other: Crown Enterprises, Inc., c/o Ronald E. Reynolds

of The Murray Law Group

Address: 27700 Donald Court City/State: Warren, MI, 48092-2793

Property Tax ID number: NA

Other: MDEQ, Southeast Michigan District Office Office of Drinking Water & Municipal Assistance Division Notified? No ☐ Yes ☒ Date: March 14, 2018

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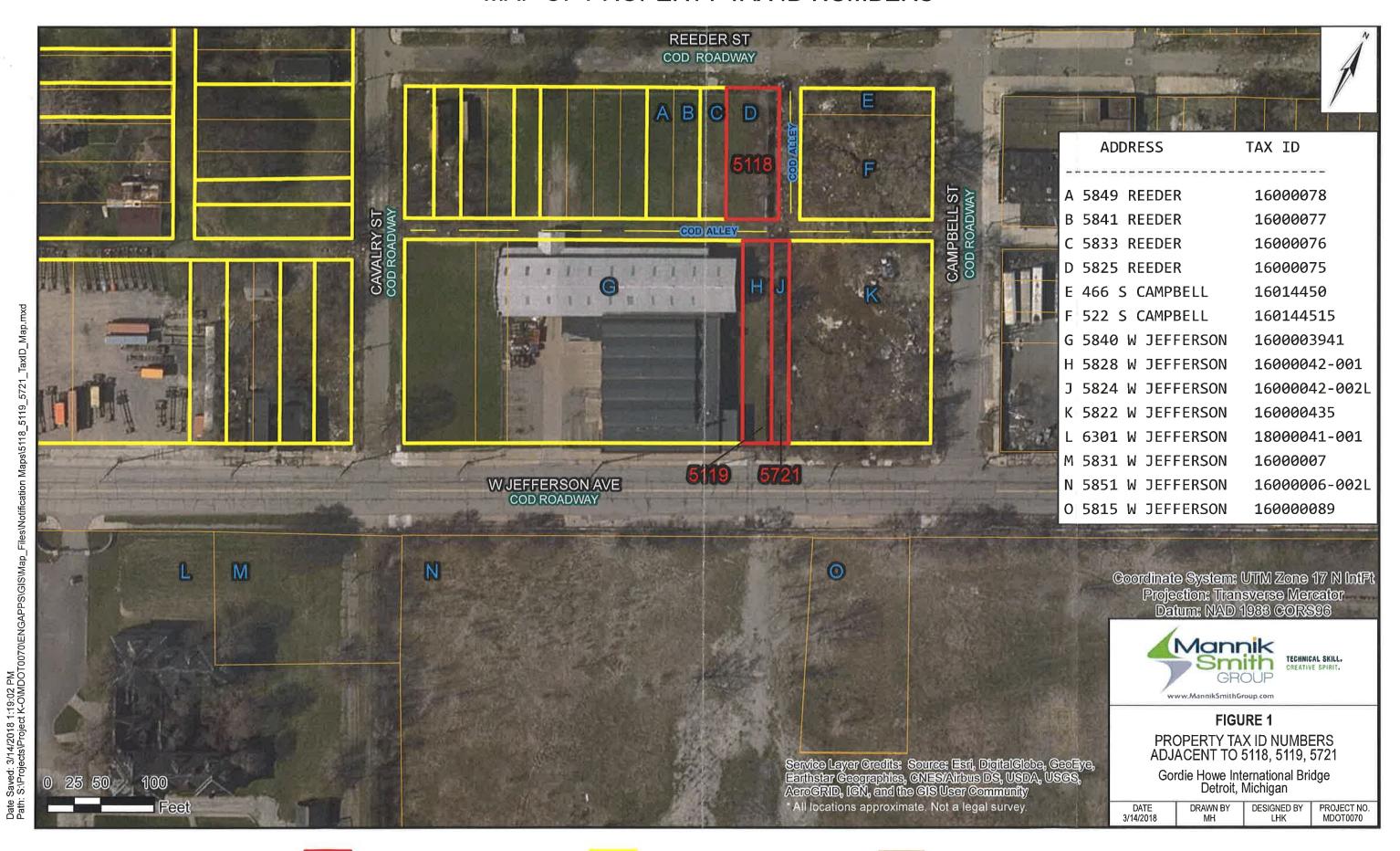
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY REMEDIATION AND REDEVELOPMENT DIVISION

Address: 2 Woodward Avenue, Ste. 611 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: City of Detroit (West Jefferson Avenue, Campbell Street, Reeder Street and alleys adjacent to 5825 Reeder Street /16000075, 5828 West Jefferson Avenue / 16000042.001, and/or 5824 West Jefferson Avenue / 16000042.002L)	Notified? No ☐ Yes ☒	Date: <u>March 14, 2018</u>
Address: 27175 Energy Way City/State: Novi, MI, 48377 Property Tax ID number: NA Other: International Transmission Company (ITC) (utility holder)	Notified? No ☐ Yes ☒	Date: <u>March 14, 2018</u>
Address: 735 Randolph Street, Ste. 1900 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: Great Lakes Water Authority (utility holder)	Notified? No ☐ Yes ☒	Date: <u>March 14, 2018</u>
Address: 12775 Lydon Street City/State: Detroit, MI, 48227 Property Tax ID number: NA Other: Comcast/Xfinity (utility holder)	Notified? No ☐ Yes ☒	Date: March 14, 2018
Address: 208 S. Akard Street City/State: Dallas, TX, 75202 Property Tax ID number: NA Other: AT&T Headquarters (utility holder)	Notified? No ☐ Yes ☒	Date: <u>March 14, 2018</u>
Address: One Energy Plaza, Ste. 1935 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: Detroit Edison, DTE (utility holder)	Notified? No ☐ Yes ☒	Date: <u>March 14, 2018</u>
Address: 6425 Huber Street City/State: Detroit, MI, 48211 Property Tax ID number: NA Other: Detroit Water & Sewerage Department (utility holder) – via email	Notified? No ☐ Yes ☒	Date: March 14, 2018
Address: 3245 E. Jefferson Avenue, Ste. 100 City/State: Detroit, MI, 48207 Property Tax ID number: NA Other: Detroit Health Department – via email	Notified? No ☐ Yes ☒	Date: <u>March 14, 2018</u>

(Attach additional pages as needed) PLEASE SEE ATTACHED MAP OF PROPERTY TAX ID NUMBERS.

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MAP OF PROPERTY TAX ID NUMBERS



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MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY REMEDIATION AND REDEVELOPMENT DIVISION

- 6. Complete the Table on Page 6 of this Form for each hazardous substance which has migrated, or is likely to have migrated, beyond the property boundary at a concentration that exceeds a Generic Residential Cleanup Criterion developed by the DEQ pursuant to MCL 324.20120a(1). Complete and attach additional copies of Page 6, if necessary, to list all hazardous substances that must be reported. Include a scaled map or drawing that shows the location of sampling points identified on the Table on Page 6, the property boundaries, and the adjacent property owners if providing notice pursuant to R 299.1017(1) or all impacted property owners if providing notice pursuant to MCL 324.20114(1).
- 7. Provide a summary of the information which shows that contamination is emanating from, or has emanated from, and is present beyond the boundary of the source property at a concentration which exceeds the generic residential criteria developed by the DEQ pursuant to MCL 324.20120a(1)(a). This summary shall identify the environmental media affected, specific hazardous substances, and the concentrations of those hazardous substances in all affected environmental media at the property boundary and in any sample locations beyond the property boundary. The summary shall also describe the basis for the conclusion that the contamination is emanating, has emanated, or is present beyond the boundary of the source property, including whether the conclusion is based on groundwater

	analytical data of fate and transport modeling, both, or neither.							
8.	If the person making this notice has reason to believe that a migrating hazardous su to affect, a private or public water supply, then that water supply must be identified h	bstance l ere:	has affected, or	is likely				
	NA	V						
9.	Is this notice being submitted within the timeframes established under R 299.51017 and/or MCL 324.20114(1), as applicable?	YES	NO					
10.	Is this notice in addition to a notice that was submitted prior to <i>December 21, 2002?</i> (R 299.51017(4)(c))							
11.	Is this notice related to an oil and gas well permit (R 299.51017(2))? Permit #:							
12.	Is this notice related to an easement (R 299.51017(3))? (NOTE: All easement grantors <i>must</i> receive this notice.)							
13.	Has surface water been affected (R 299.51017(1)? (If yes, please identify the affected surface water body.)							
CEI	RTIFICATION:							
beh repi	With my signature below, I certify that I am the owner of the facility or that I am legally authorized to execute this notice on behalf of the owner or operator named on this form, and that to the best of my knowledge and belief the above representations are complete and accurate. I understand that intentionally submitting false information to the DEQ is a felony and may result in fines up to \$25,000 for each violation.							
Sigi	Date March 14 (Owner or person legally authorized to bind the person making this report)	, 2018	Pl.	(8				
Nan	ne (Typed or Printed) Walter J. Bolt			-				
Title	(Typed or Printed) <u>Project Manager, Environmental Owners Representative Consultant, Gordie Hove</u>	ve Internati	onal Bridge Project	<u>L</u> .				

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MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY REMEDIATION AND REDEVELOPMENT DIVISION

See Item 6 on Page 5 of this Form for instructions to be used in completing this table. Attach additional pages if necessary. The information to be included in each column of the table is:

Column A Column B Column C

Column E Column E Column F

Column G Column H

Name of hazardous substance.
Chemical Abstract Service (CAS) Number for the hazardous substance.
Chemical Abstract Service (CAS) Number for the hazardous substance.
Maximum hazardous substance concentration measured on the property, expressed in parts per billion (e.g., ug/L or ug/Kg). Report maximum concentration separately for each environmental medium.
Sample location for Column C (relate to label on map).
Environmental medium in which concentration reported in Column D) to property boundary, in direction of contaminant migration, if known.
Distance from point of maximum measured concentration (Column D) to property boundary, in direction of contaminant migration, if known.
Direction of contaminant migration, if known. If a concentration lower than the maximum concentration reported in Column C has been measured at a point closer to the property boundary in the direction of contaminant migration, use Column I to list the concentration that was measured closest to the property boundary in the direction of contaminant migration.
Sample location for Column H (relate to label on map).
Environmental medium for measurement reported in Column H, if applicable.

Column J Column J

PLEASE SEE ATTACHED TABI F 1

	J Environmental Medium for "H"			
	Sample Location for "H"			
	G H Direction of Boundary Migration			
	F Distance to Property Boundary			
	E Environmental Medium for "C"			
	D Sample Location for "C"			
ED LABLE 1	B C CAS Maximum Number Concentration			
	B CAS Number			
ו בבתטב טבב או ואטוובט ואטרב ו	A Hazardous Substance			

Total Number Samples Collected:

Total Number of Samples Exceeding Criteria:

A scaled map or drawing showing these locations and the property boundaries must be submitted with this Notice PLEASE SEE ATTACHED FIGURE 2

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TABLE 1 DEQ NOTICE OF MIGRATION ATTACHMENT

A	В	С	D	E	F T	G	Н	1	J
Hazardous Substance	CAS Number	Maximum Concentration	Sample Location for "C"	Environmental Medium for "C"	Distance to Property Boundary	Direction of Migration	Boundary Concentration	Sample Location for "H"	Environmental Medium for "H"
Benzene	71-43-2	110	5721_SB-01_2-3_S_PM_20171027	Soil	10 feet	Unknown		-	2
cis-1,2-Dichloroethylene	156-59-2	1,700	5721_SB-01_0-2_S_PM_20171027	Soil	10 feet	Unknown			
Ethylbenzene	100-41-4	410	5721_DUP-01_S_PM_20171027 *	Soil	10 feet	Unknown	*	*	
Tetrachloroethylene	127-18-4	2,000	5118_SB-03_0-2_S_PM_20171026	Soil	20 feet	Unknown	9	*	2
Trichloroethylene	79-01-6	750	5721_SB-03_0-2_S_PM_20171027	Soil	15 feet	Unknown		- F	
1,2,4-Trimethylbenzene	95-63-6	4,400	5721 DUP-01 S PM 20171027 *	Soil	10 feet	Unknown	(*)		
1,3,5-Trimethylbenzene	108-67-8	1,500	5721 DUP-01_S_PM_20171027 *	Soil	10 feet	Unknown	*	*	-
Vinyl Chloride	75-01-4	73	5721_DUP-01_S_PM_20171027 *	Soil	10 feet	Unknown	9	¥	2/
Xylenes (Total)	1330-20-7	1,800	5721 DUP-01 S PM 20171027 *	Soil	10 feet	Unknown			-:
Benzo(a)pyrene	50-32-8	11,000	5721 SB-04 0-2 S PM 20171027	Soil	10 feet	Unknown	8		
Carbazole	86-74-8	2,500	5721 SB-01 2-3 S PM 20171027	Soil	10 feet	Unknown	-	-	
4-Chloro-3-methylphenol	59-50-7	2,200	5118 SB-04 0-1 S PM 20171026	Soil	0 feet	Unknown	2	2	
Dibenzofuran	132-64-9	3,700	5721 SB-01 2-3 S PM 20171027	Soil	10 feet	Unknown	*	-	
Fluoranthene	206-44-0	23,000	5721_SB-04_0-2_S_PM_20171027	Soil	10 feet	Unknown			
Fluorene	86-73-7	6.800	5721 SB-01 2-3 S PM 20171027	Soil	10 feet	Unknown		- :	
2-Methylnaphthalene	91-57-6	5,300	5721 SB-01 0-2 S PM 20171027	Soil	10 feet	Unknown		-	
Naphthalene	91-20-3	4,700	5721_SB-04_0-2_S_PM_20171027	Soil	10 feet	Unknown			
Phenanthrene	85-01-8	21,000	5721 SB-01 2-3 S PM 20171027	Soil	10 feet	Unknown		- 2	Vē.
Methylphenols (Total)	1319-77-3	4,400	5721_SB-01_0-2_S_PM_20171027	Soil	10 feet	Unknown		-	
Arsenic	7440-38-2	43,000	5721 SB-02 0-2 S PM 20171027	Soil	5 feet	Unknown			
Barium	7440-39-3	1,300,000	5119_SB-02_0-2_S_PM_20171026	Soil	20 feet	Unknown	-		
Cadmium	7440-43-9	41,000	5721 SB-02 0-2 S PM 20171027	Soil	5 feet	Unknown			
Chromium (Total)	7440-47-3	280,000	5118 SB-01 0-2 S PM 20171026	Soil	5 feet	Unknown	**		-
Copper	7440-50-8	67,000,000	5721 SB-01 0-2 S PM 20171027	Soil	10 feet	Unknown		- S	281
Lead - Total (calculated)	7439-92-1	6,400,000	5118 SB-06 1-2 S PM 20171026	Soil	0 feet	Unknown			-
Lead - Fine Fraction	7439-92-1	2,700,000	5118 SB-06 1-2 S PM 20171026	Soil	0 feet	Unknown	-		
Lead - Coarse Fraction	7439-92-1	8,500,000	5118_SB-06_1-2_S_PM_20171026	Soil	0 feet	Unknown			
Mercury	7439-97-6	8,300	5721_SB-02_0-2_S_PM_20171027	Soil	5 feet	Unknown	20 20		
Selenium	7782-49-2	13,000	5118 DUP-02 S PM 20171026 **	Soil	0 feet	Unknown			
Silver	7440-22-4	8.300	5118_SB-06_1-2_S_PM_20171026	Soil	0 feet	Unknown			
Zinc	7440-66-6	21,000,000	5721_SB-01_0-2_S_PM_20171027	Soil	10 feet	Unknown	2		
Total PCBs	1336-36-3	21,000	5721_SB-02_0-2_S_PM_20171027	Soil	5 feet	Unknown			
TOTAL F CDS	1330-30-3	21,000	5118_SB-02_0-2_S_PM_20171027	5011	20 feet	Unknown		-	
		54	5118_SB-03_0-2_S_PM_20171026						
			5119_SB-01_0-2_S_PM_20171026		20 feet	Unknown	#1 #1	ti.	
Achartan	1332-21-4	>1 % (10,000,000),		Soil	15 feet	Unknown			
Asbestos	1332-21-4	≤3% (30,000,000)	5119_SB-02_0-2_S_PM_20171026	5011	20 feet	Unknown			
			5721_SB-01_0-2_S_PM_20171027		10 feet	Unknown		÷-	3.63
			5721 SB-02 0-2 S PM 20171027		5 feet	Unknown	#:	+2	
		> 4 P/ (40 000 000)	5721_SB-03_0-2_S_PM_20171027		15 feel	Unknown			
Asbestos	1332-21-4	>1 % (10,000,000), <3% (30,000,000)	5118_DP-01_S_PM_20171026 †	Debris Pile	0 feet	Unknown	*	ħ.	89
Arsenic	7440-38-2	14	5721_SB-02_8-13_GW_PM_20171027	Groundwater	5 feet	Unknown			285
			5721_DUP-01_GW_PM_20171027 ±		5 feet	Unknown	•		36

Total Number of Samples Collected: 47 soil, 9 groundwater, 1 debris pile

Total Number of Samples Exceeding Criteria: 47 soll, 2 groundwater, 1 debris pile

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Footnotes:

* Duplicate sample corresponding to 5721_SB-01_2-3_S_PM_20171027

** Duplicate sample corresponding to 5118_SB-06_1-2_S_PM_20171026

† Duplicate sample corresponding to 5721_SB-02_8-13_GW_PM_20171027

‡ Duplicate sample corresponding to 5721_SB-02_8-13_GW_PM_20171027

