

January 10, 2019

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 sections of Springwells Court and/or Aggregate Drive, Detroit, MI

Potentially toward remainders of Springwells Court right-of-way and/or Aggregate Drive right-of-way

Notification No. ROW BA-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 sections of Springwells Court and Aggregate Drive, 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

RECEIVED JAN 17 7319

TECHNICAL SKILL. CREATIVE SPIRIT.

ROW BA.Notice Cover Letter.DetroitDPW.docx

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



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.

of R 299.51017(1) or MCL 324.20114(1)(b)(ii) & (iii) are available at www.michigan.g	
THIS NOTICE IS PROVIDED PURSUANT TO: R 299.51017 MCL 3. (check both, if applicable)	24.20114(1)
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) Rights-of-Way, Bridge Area Address: None; two approx. 330-ft sections of Springwells Ct. & Aggregate Dr. Location: Michigan City/County: Detroit/Wayne	Owner 🔀 Operator 🔲
Property Tax Identification Number, or if applicable, the ward and item number: south-adjacent to 18000044.	
	(decimal degrees): -83.103713 (decimal degrees): -83.105170
Reference Point for Latitude and Longitude: Center of Site: Main/front door: Front gate/main entrance: Collection Method: Survey: Interpolation: GPS: GPS:	Other:

EQP 4482, Page 1 of 8 (REV 4/2016)



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

Gordie Howe International Bridge: EPA Handler ID MIK694333063; 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: 7701 W. Jefferson Ave. Notified? No Yes Date: January 10, 2019 City/State: Detroit, MI

Property Tax ID number: 18000043

Other: Riverview Trenton Railroad Company &

Central Transport, LLC

Address: 1460 Springwells Ct. Notified? No P Yes Date: January 10, 2019

City/State: Detroit, MI Property Tax ID number: 18000044.014

Other: City of Detroit Economic Development Corp.

Address: 1460 Springwells Ct. Notified? No Yes Date: January 10, 2019

City/State: Detroit, MI

Property Tax ID number: 18000044.014

Other: City of Detroit Planning and Development Dept.

Address: 1420 Springwells Ct. Notified? No Yes Date: January 10, 2019

City/State: Detroit, MI

Property Tax ID number: 18000044.016

Other: City of Detroit Economic Development Corp.

Address: 1420 Springwells Ct. Notified? No 🔲 Yes 🛛 Date: January 10, 2019

City/State: Detroit, MI

Property Tax ID number: 18000044.016

Other: City of Detroit Planning and Development Dept.

EQP 4482, Page 2 of 8 (REV 4/2016)



« » ė

Address: 1301 Springwells Ct.	Notified? No ☐ Yes ☒	Date: <u>January 10, 2019</u>
City/State: Detroit, MI Property Tax ID number: 18000044.002 Other: Lafarge Holcim / Lafarge Midwest, Inc.		
Address: 1440 Springwells Ct. City/State: Detroit, MI	Notified? No ☐ Yes ☒	Date: January 10, 2019
Property Tax ID number: 18000044.015 Other: MDOT Parcel 5004		
Address: 1440 Springwells Ct. City/State: Detroit, MI	Notified? No ☐ Yes ☒	Date: January 10, 2019
Property Tax ID number: 18000044.015 Other: Honeywell International Inc. (easement holder)		
Address: 1440 Springwells Ct. City/State: Detroit, MI	Notified? No ☐ Yes ☒	Date: <u>January 10, 2019</u>
Property Tax ID number: 18000044.015 Other: Minergy LLC / Minergy Detroit LLC (potential interest holder)		
Address: 1440 Springwells Ct. City/State: Detroit, MI	Notified? No ☐ Yes ⊠	Date: <u>January 10, 2019</u>
Property Tax ID number: 18000044.015 Other: Delray Connecting Railroad Company (potential interest holder)		
Address: 1440 Springwells Ct. City/State: Detroit, MI	Notified? No ☐ Yes ☒	Date: <u>January 10, 2019</u>
Property Tax ID number: 18000044.015 Other: United States Steel Corporation (potential interest holder)		
Address: 27700 Donald Court City/State: Warren, MI, 48092-2793	Notified? No ☐ Yes ☒	Date: January 10, 2019
Property Tax ID number: NA Other: MDEQ, Southeast Michigan District Office Office of Drinking Water & Municipal Assistance Division		
Address: 2 Woodward Avenue, Ste. 611 City/State: Detroit, MI, 48226	Notified? No ☐ Yes ☒	Date: January 10, 2019
Property Tax ID number: NA Other: City of Detroit (Springwells Court and Aggregate Drive adjacent to MDOT sections)		
Address: 27175 Energy Way City/State: Novi, MI, 48377	Notified? No ☐ Yes ☒	Date: January 10, 2019
Property Tax ID number: NA Other: International Transmission Company (ITC) (utility holder)		
Address: 735 Randolph Street, Ste. 1900 City/State: Detroit, MI, 48226	Notified? No 🗌 Yes 🛛	Date: <u>January 10, 2019</u>
Property Tax ID number: NA Other: Great Lakes Water Authority (utility holder)		

EQP 4482, Page 3 of 8 (REV 4/2016)



Address: 12775 Lydon Street City/State: Detroit, MI, 48227 Property Tax ID number: NA Other: Comcast/Xfinity (utility holder)	Notified? No	Date: <u>January 10, 2019</u>
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>January 10, 2019</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>January 10, 2019</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: <u>January 10, 2019</u>
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>January 10, 2019</u>

(Attach additional pages as needed) PLEASE SEE ATTACHED FIGURE 1

EQP 4482, Page 4 of 8 (REV 4/2016)



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 or fate and transport modeling, both, or neither.
- 8. If the person making this notice has reason to believe that a migrating hazardous substance has affected, or is likely to affect, a private or public water supply, then that water supply must be identified here:

	to allow, a private of public water cappy, their that water cappy that so identified i	.0.0.		
	NA	YES	NO	2
9	Is this notice being submitted within the timeframes established under R 299.51017 and/or MCL 324.20114(1), as applicable?			
1	D. Is this notice in addition to a notice that was submitted prior to <i>December 21, 2002?</i> (R 299.51017(4)(c))			
1	 Is this notice related to an oil and gas well permit (R 299.51017(2))? Permit #: 		\boxtimes	
1:	 Is this notice related to an easement (R 299.51017(3))? (NOTE: All easement grantors must receive this notice.) 		\boxtimes	
1	3. Has surface water been affected (R 299.51017(1)? (If yes, please identify the affected surface water body.)			
С	ERTIFICATION:	7		
b	ifth my signature below, I certify that I am the owner of the facility or that I am legally as ehalf of the owner or operator named on this form, and that to the best of my knowledge presentations are complete and accurate. I understand that intentionally submitting facility and may result in fines up to \$25,000 for each violation.	e and be	lief the abo	ve
S	ignature (Owner or person legally authorized to bind the person making this report)	10, 2019		
N	ame (Typed or Printed) Walter J. Bolt			

on behalf of Michigan Department of Transportation

Project Manager, Environmental Owners Representative Consultant, Gordie Howe International Bridge Project,

EQP 4482, Page 5 of 8 (REV 4/2016)

Title (Typed or Printed)



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.
Maximum hazardous substance concentration measured on the property, expressed in parts per billion (e.g., ug/L or ug/Kg). Report 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 is unknown, list distance to nearest property boundary. 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).
Sample location for Column H (relate to label on map).

Column J

	F	•	_	_	_
	J Environmental Medium for "H"				
	Sample Location for "H"				
	H Boundary Concentration				
	G Direction of Migration				
	Sample Location Environmental Distance to Direction of Boundary for "C" Medium for "C" Property Boundary Migration Concentration				
	E Environmental Medium for "C"				
	D Sample Location for "C"				
ומטרו ב	C Maximum Concentration	**			
	B CAS Number				
ו בבתטב טבב הו ותטוובם ותטבב ו	A Hazardous Substance				

EQP 4482, Page 6 of 8 (REV 4/2016)

A scaled map or drawing showing these locations and the property boundaries must be submitted with this Notice PLEASE SEE ATTACHED FIGURE 1

Total Number of Samples Exceeding Criteria:

Total Number Samples Collected:

DEQ NOTICE OF MIGRATION ATTACHMENT

TABLE 1

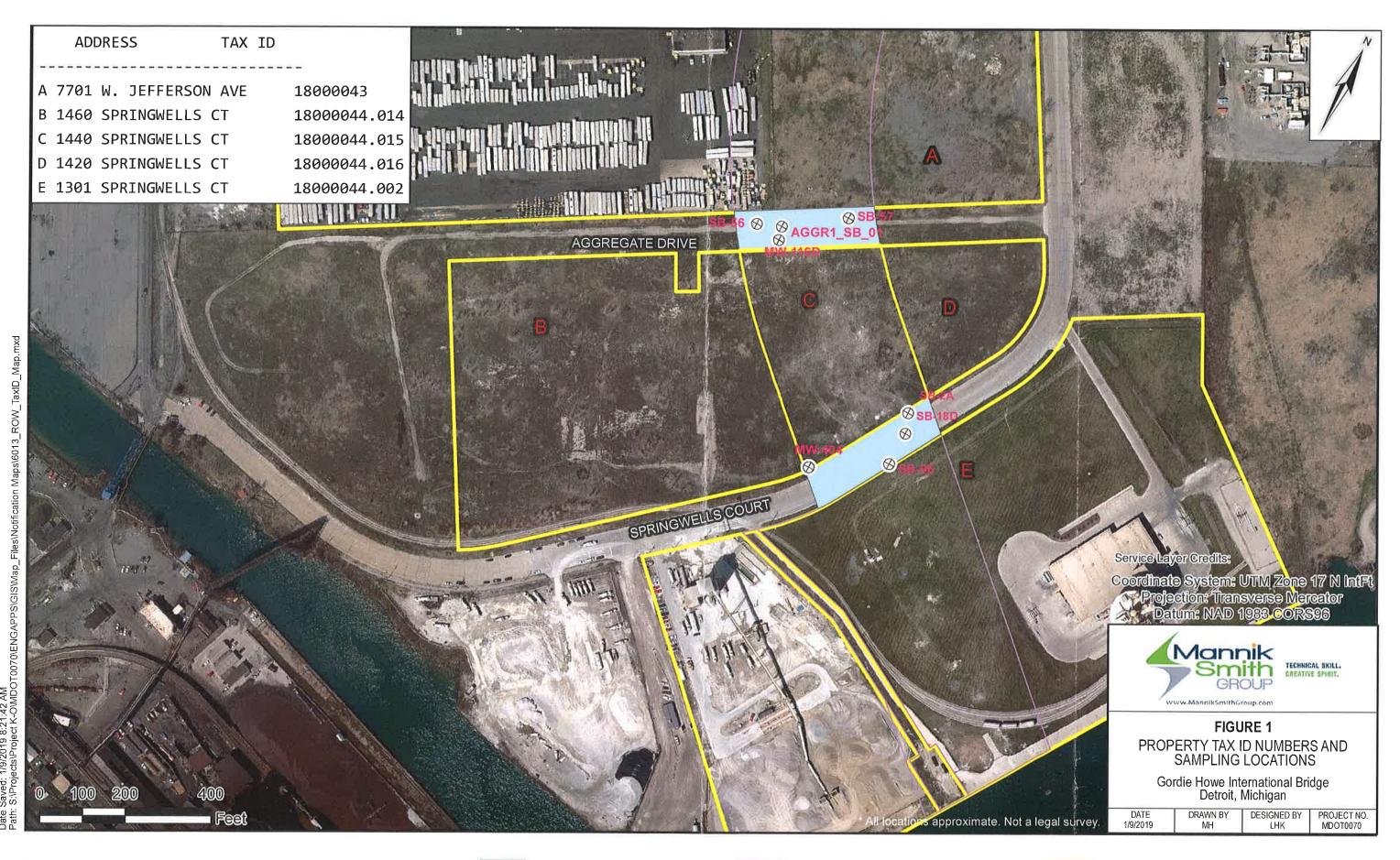
Α	В	С	D	E	F	G	Н	E	J
Hazardous Substance	CAS Number	Maximum Concentration	Sample Location for "C"	Environmental Medium for "C"	Distance to Property Boundary	Direction of Migration	Boundary Concentration	Sample Location for "H"	Environmental Medium for "H"
Benzene	71-43-2	3,000	AGGR1_SB-01_4-5	Soil	35 feet	Unknown	(*)	· ·	E
Xylenes (Total)	1330-20-7	1,400	AGGR1_SB-01_4-5	Soil	35 feet	Unknown	131		5:
Acenaphthylene	208-96-8	62,000	AGGR1_SB-01_4-5	Soil	35 feet	Unknown			
Anthracene	120-12-7	140,000	AGGR1_SB-01_4-5	Soil	35 feet	Unknown	4	327	
Benzo(a)anthracene	56-55-3	140,000	AGGR1_SB-01_4-5	Soil	35 feet	Unknown		200	- 4
Benzo(b)fluoranthene	205-99-2	140,000	AGGR1_SB-01_4-5	Soil	35 feet	Unknown			•
Benzo(a)pyrene	50-32-8	96,000	AGGR1_SB-01_4-5	Soil	35 feet	Unknown		5.43	*:
Carbazole	86-74-8	43,000	AGGR1_SB-01_4-5	Soil	35 feet	Unknown			- 5
Dibenzo(a,h)anthracene	53-70-3	24,000	AGGR1 SB-01 4-5	Soil	35 feet	Unknown		-	=
Dibenzofuran	132-64-9	54,000	AGGR1_SB-01_4-5	Soil	35 feet	Unknown	- 4	-	E
Fluoranthene	206-44-0	280,000	AGGR1_SB-01_4-5	Soil	35 feet	Unknown		:	36
Fluorene	86-73-7	100,000	AGGR1 SB-01 4-5	Soil	35 feet	Unknown	-	:•:	i e
Indeno(1,2,3-cd)pyrene	193-39-5	65,000	AGGR1_SB-01_4-5	Soil	35 feet	Unknown			-
2-Methylnaphthalene	91-57-6	42,000	AGGR1 SB-01 4-5	Soil	35 feet	Unknown		- 2	- V.
Naphthalene	91-20-3	110,000	AGGR1 SB-01 4-5	Soil	35 feet	Unknown		3/	
Phenanthrene	85-01-8	330,000	AGGR1_SB-01_4-5	Soil	35 feet	Unknown			
Total Methylphenol	1319-77-3	5,260	AGGR1_SB-01_4-5	Soil	35 feet	Unknown	-		1*
Arsenic	7440-38-2	12,000	AGGR1 SB-01 4-5	Soil	35 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	970,000	AGGR1 SB-01 1-2	Soil	35 feet	Unknown		(3)	7.5
Official (Total)			AGGR1_SB-01_1-2		35 feet	Unknown		-	781
Copper	7440-50-8	83,000	SB-56 (0-1 FT)	Soil	30 feet	Unknown	-	-	386
Mercury	7439-97-6	5,800	SB-96 (6-8 FT)	Soil	5 feet	Unknown	-		
Selenium	7782-49-2	8,400	AGGR1_SB-01_1-2	Soil	35 feet	Unknown	-	-	-
Silver	7440-22-4	4,800	AGGR1_SB-01_1-2	Soil	35 feet	Unknown		727	
Thallium	7440-28-0	9,200	AGGR1 SB-01 1-2	Soil	35 feet	Unknown		(4)	
Vanadium	7440-62-2	220,000	AGGR1 SB-01 1-2	Soil	35 feet	Unknown			141
Zinc	7440-66-6	550,000	SB-56 (3-5 FT)	Soil	30 feet	Unknown		(4)	(E)
Cyanide (Total)	57-12-5	3,900	SB-96 (6-8 FT)	Soil	5 feet	Unknown	-	170) = 0 = 1
Ammonia (as Nitrogen)	7664-41-7	101,000	SB-18D (5-6 FT)	Soil	45 feet	Unknown		150	12
Benzene	71-43-2	25,000	SB-2A (10-15 FT)	Groundwater	5 feet	Unknown	¥	(4)	
Ethylbenzene	100-41-4	550	SB-2A (10-15 FT)	Groundwater	5 feet	Unknown		-	790
Toluene	108-88-3	10,000	SB-2A (10-15 FT)	Groundwater	5 feet	Unknown	-	(4)	(e)
1,2,4-Trimethylbenzene	95-63-6	260	SB-18D (5-10 FT)	Groundwater	45 feet	Unknown		120	051
1,3,5-Trimethylbenzene	108-67-8	160	SB-18D (5-10 FT)	Groundwater	45 feet	Unknown	2	120	105
Xylenes (Total)	1330-20-7	3,700	SB-18D (5-10 FT)	Groundwater	45 feet	Unknown			79
Acenaphthene	83-32-9	50	MW-404 (9-19 FT)	Groundwater	0 feet	Unknown			*
Dibenzofuran	132-64-9	44	MW-404 (9-19 FT)	Groundwater	0 feet	Unknown			
Fluoranthene	206-44-0	8.4	MW-404 (9-19 FT)					35	
	86-73-7	55		Groundwater	0 feet	Unknown		17/	05
Fluorene 2 Methylaenhthologo			MW-404 (9-19 FT)	Groundwater	0 feet	Unknown			
2-Methylnaphthalene	91-57-6	340	SB-18D (5-10 FT)	Groundwater	45 feet	Unknown		30	0.50
Naphthalene	91-20-3	10,000	SB-2A (10-15 FT)	Groundwater	5 feet	Unknown		(#)	<u>(</u> ∰(
Phenanthrene	85-01-8	36	MW-404 (9-19 FT)	Groundwater	0 feet	Unknown		20	(AE)
Arsenic	7440-38-2	10.8	MW-116R (?-19 FT)*	Groundwater	20 feet	Unknown		150	0.54
Iron	7439-89-6	6,800	MW-116R (?-19 FT)*	Groundwater	20 feet	Unknown		127	- 12
Manganese	7439-96-5	1,380	MW-404 (9-19 FT)	Groundwater	0 feet	Unknown		(\$6)	921
Ammonia (as Nitrogen)	7664-41-7	44,300	MW-404 (9-19 FT)	Groundwater	0 feet	Unknown		(9)	0.60
Ammonia (un-ionized)	7664-41-7	7,940	SB-18D (5-10 FT)	Groundwater	45 feet	Unknown		180	(5.0%)
Chloride	16887-00-6	1,310,000	MW-116R (?-19 FT)*	Groundwater	20 feet	Unknown		- 2	
Sodium	17341-25-2	836,000	MW-116R (?-19 FT)*	Groundwater	20 feet	Unknown	-	14/	16
Sulfate	14808-79-8	366,000	MW-116R (?-19 FT)*	Groundwater	20 feet	Unknown	*	343	N#1

Total Number of Samples Collected: 9 soil, 5 groundwater

Total Number of Samples Exceeding Criteria: 9 soil, 5 groundwater

Page 8 of 8

^{*} MW-116R top of screen depth is unknown



Page 7 of 8

Sample Locations

Site Property

Planned Bridge Area

Tax Parcels