



September 27, 2017

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 1301 Springwells Court, Detroit, MI, Tax ID 18000044.002 (MDOT Acquisition Parcel 5003)  
Potentially toward Springwells Court right-of-way to north  
Notification No. 5003-ROW

Dear City Engineering & Street Maintenance Divisions:

The Mannik Smith Group, Inc. ("MSG"), on behalf of the Michigan Department of Transportation ("MDOT"), has directed or conducted underground environmental testing at 1301 Springwells Court, Detroit, Michigan ("the Site") in relation to the Gordie Howe International Bridge project underway in the vicinity of the right-of-way referenced above ("the subject property").

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 property has 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

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/degducare](http://www.michigan.gov/degducare), 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/degducare](http://www.michigan.gov/degducare).

THIS NOTICE IS PROVIDED PURSUANT TO: R 299.51017  MCL 324.20114(1)   
(check both, if applicable)

Please provide the following information as completely as possible.

- |   |   |
|---|---|
| <p>1. Name and location of the property that hazardous substances are emanating from:</p> <p>Name: MI Dept. of Transportation (MDOT) Acquisition Parcel 5003<br/>Address: (portion of) 1301 Springwells Court<br/>Location: Michigan<br/>City/County: Detroit/Wayne<br/>Property Tax Identification Number, or if applicable, the ward and item number: (portion of) 18000044.002</p> | <p>2. Status relative to the property:<br/>(Check one or both, as applicable.)</p> <p>Owner <input checked="" type="checkbox"/><br/>Operator <input type="checkbox"/></p> |
|---|---|

Latitude (decimal degrees): 42.290747 °N Longitude (decimal degrees): -83.102491 °W

Reference Point for Latitude and Longitude:  
Center of Site:  Main/front door:  Front gate/main entrance:  Other:

Collection Method: Survey:  Interpolation:  GPS:



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 Parcel 5003; BEA 201707555LV; AOC-ERD-99-005; CNTS-ERD-99-01; Part 201 Site ID 82001593; Part 213 Facility ID 00014312; EPA ID MID099114704; 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: 1301 Springwells Court  
City/State: Detroit, MI  
Property Tax ID number: 18000044.002  
Other: Lafarge Holcim / Lafarge Midwest, Inc.  
(adjacent property owner, easement holder)  
Notified? No  Yes  Date: Sept. 27, 2017

Address: 1415 & 1400 Springwells Court  
City/State: Detroit, MI  
Property Tax ID number: 18000044.003 & 18000044.012  
Other: City of Detroit Economic Development Corp.  
(adjacent property owner)  
Notified? No  Yes  Date: Sept. 27, 2017

Address: 1415 & 1400 Springwells Court  
City/State: Detroit, MI  
Property Tax ID number: 18000044.003 & 18000044.012  
Other: City of Detroit Planning and Development Dept.  
(adjacent property owner)  
Notified? No  Yes  Date: Sept. 27, 2017

Address: 1441 Springwells Court  
City/State: Detroit, MI  
Property Tax ID number: 18000044.004  
Other: McCoig Concrete Company, LLC  
(adjacent property owner)  
Notified? No  Yes  Date: Sept. 27, 2017



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
REMEDATION AND REDEVELOPMENT DIVISION

Address: 1301 Springwells Court  
City/State: Detroit, MI  
Property Tax ID number: 18000044.002  
Other: Honeywell International Inc. (easement holder)  
Notified? No  Yes  Date: Sept. 27, 2017

Address: 1301 Springwells Court  
City/State: Detroit, MI  
Property Tax ID number: 18000044.002  
Other: Barge Transport, Inc. (potential interest holder)  
Notified? No  Yes  Date: Sept. 27, 2017

Address: 1301 Springwells Court  
City/State: Detroit, MI  
Property Tax ID number: 18000044.002  
Other: Minergy LLC / Minergy Detroit LLC  
(potential interest holder)  
Notified? No  Yes  Date: Sept. 27, 2017

Address: 1301 Springwells Court  
City/State: Detroit, MI  
Property Tax ID number: 18000044.002  
Other: Delray Connecting Railroad Company  
(potential interest holder)  
Notified? No  Yes  Date: Sept. 27, 2017

Address: 2 Woodward Avenue, Ste. 611  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: City of Detroit (Springwells Court adjacent to  
1301 Springwells Court / 18000044.002)  
Notified? No  Yes  Date: Sept. 27, 2017

Address: 735 Randolph  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: Detroit Water & Sewerage Department  
(utility holder, potential easement holder)  
Notified? No  Yes  Date: Sept. 27, 2017

Address: One Energy Plaza, Ste. 1935  
City/State: Detroit, MI, 48226  
Property Tax ID number: NA  
Other: Detroit Edison, DTE (utility holder,  
potential easement holder)  
Notified? No  Yes  Date: Sept. 27, 2017

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: Sept. 27, 2017

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: Sept. 27, 2017

Address: 12775 Lydon Street  
City/State: Detroit, MI, 48227  
Property Tax ID number: NA  
Other: Comcast/Xfinity (utility holder)  
Notified? No  Yes  Date: Sept. 27, 2017



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
REMEDIATION AND REDEVELOPMENT DIVISION

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: Sept. 27, 2017

(Attach additional pages as needed)

**PLEASE SEE ATTACHED MAP OF PROPERTY TAX ID NUMBERS (FIGURE 1)  
AND CERTIFICATE OF SURVEY OF ACQUISITION PARCEL (FIGURE 2).**



# MAP OF PROPERTY TAX ID NUMBERS



5003

ADJACENT MDOT PARCELS

MDOT PARCELS

OFFSITE



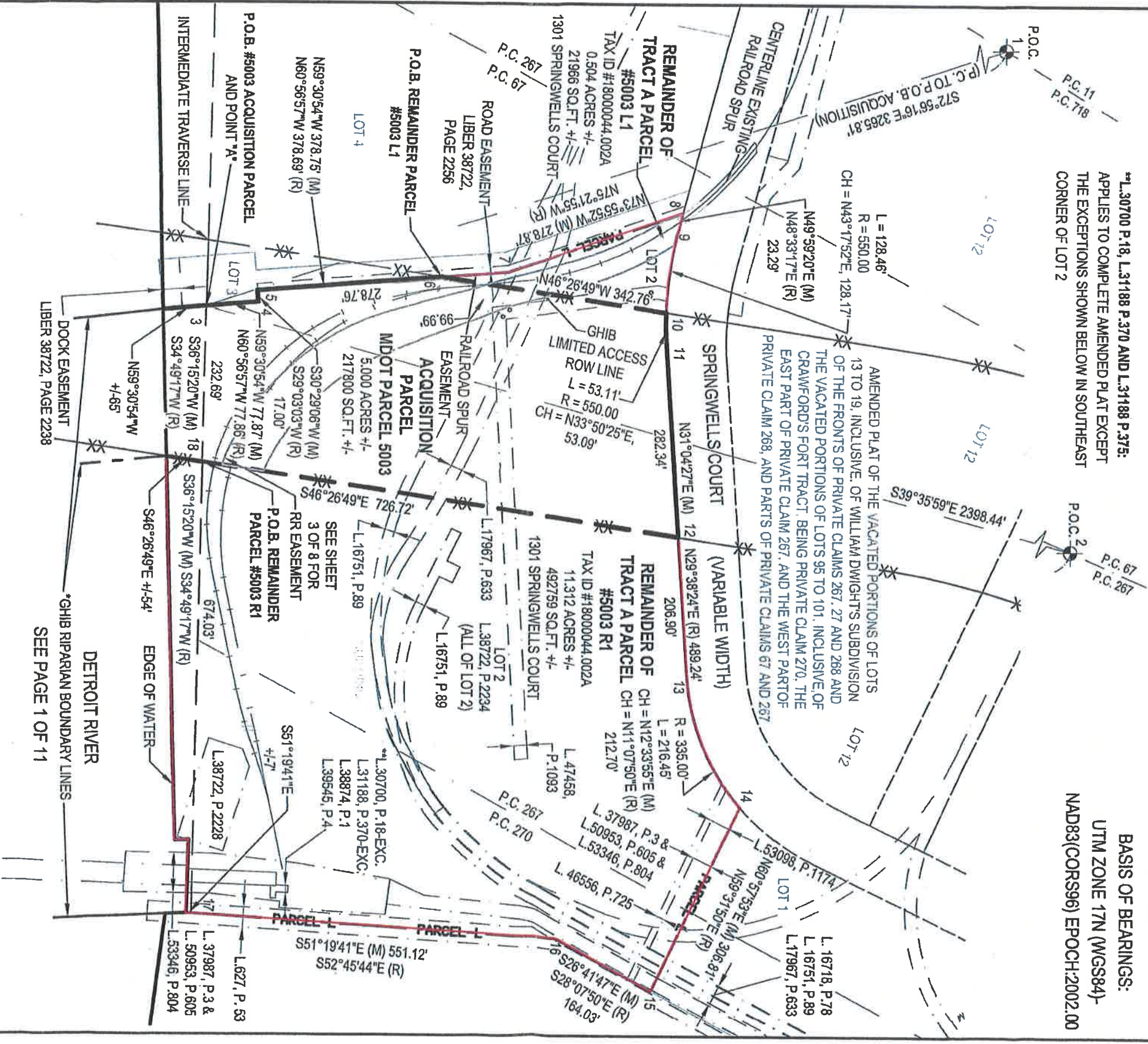
# FIGURE 2 CERTIFICATE OF SURVEY

THIS SURVEY WAS PERFORMED FOR A PROPERTY TRANSFER FOR M.D.O.T.  
R.O.W. ACQUISITION.

L.30700 P. 25 AND L.37967 P. 28:  
LOCATED WEST END OF SPRINGWELLS AND  
CONNECTS TO WEST JEFFERSON AVENUE.  
NOT SHOWN ON MAP.

\*\*L.30700 P.18, L.31188 P.370 AND L.31188 P.375:  
APPLIES TO COMPLETE AMENDED PLAT EXCEPT  
THE EXCEPTIONS SHOWN BELOW IN SOUTHEAST  
CORNER OF LOT 2

BASIS OF BEARINGS:  
UTM ZONE 17N (WGS84)-  
NAD83(CORRS96) EPOCH:2002.00



I, Jeffrey D. Bartlett, being a Surveyor Licensed in the State of Michigan, hereby certify that I have surveyed and mapped the above parcel of land, that the ratio of closure shall be less than 1:5000 and that I have complied with the regulations of P. A. 132 of 1970 as amended.



JEFFREY D. BARTLETT, P.S.  
LICENSED PROFESSIONAL SURVEYOR  
MICHIGAN LICENSE NO. 47943

DATE

*3-20-17*

FOR:



CS: 82194      JN: 127063B

ROUTE: GHIB      DATE: 3-09-2017

DRAWN BY: KLM      SHEET

CHECKED BY: JDB      2 OF 11

PREPARED BY:

SURVEYING SOLUTIONS, INC.  
4471 M-61  
STANDISH, MI 48658



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 7, 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 7, 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:

NA

- |   | YES                                 | NO                                  |
|---|-------------------------------------|-------------------------------------|
| 9. Is this notice being submitted within the timeframes established under R 299.51017 and/or MCL 324.20114(1), as applicable?               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 10. Is this notice in addition to a notice that was submitted prior to <i>December 21, 2002</i> ? (R 299.51017(4)(c))                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 11. Is this notice related to an oil and gas well permit (R 299.51017(2))?<br>Permit #:   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 12. Is this notice related to an easement (R 299.51017(3))?<br>(NOTE: All easement grantors <i>must</i> receive this notice.)               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 13. Has surface water been affected (R 299.51017(1))?<br>(If yes, please identify the affected surface water body.)<br><u>Detroit River</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**CERTIFICATION:**

*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.*

Signature Walter J. Bolt  
(Owner or person legally authorized to bind the person making this report)

Date 9/27/2017

Name (Typed or Printed) Walter J. Bolt

Title (Typed or Printed) Project Manager, Environmental Owners Representative Consultant, Gordie Howe International Bridge Project





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 Name of hazardous substance.
- Column B Chemical Abstract Service (CAS) Number for the hazardous substance.
- Column C 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.
- Column D Sample location for Column C (relate to label on map).
- Column E Environmental medium in which concentration reported in Column C was measured (e.g., soil or groundwater).
- Column F Distance from point of maximum measured concentration (Column D) to property boundary, in direction of contaminant migration, if direction is known or can reasonably be inferred. If direction is unknown, list distance to nearest property boundary.
- Column G Direction of contaminant migration, if known.
- Column H Concentration closest to property boundary, 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.
- Column I Sample location for Column H (relate to label on map).
- Column J Environmental medium for measurement reported in Column H, if applicable.

**PLEASE SEE ATTACHED TABLE 1**

A Hazardous Substance	B CAS Number	C Maximum Concentration	D Sample Location for "C"	E Environmental Medium for "C"	F Distance to Property Boundary	G Direction of Migration	H Boundary Concentration	I Sample Location for "H"	J Environmental Medium for "H"

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 3**

TABLE 1

## DEQ NOTICE OF MIGRATION ATTACHMENT

A	B	C	D	E	F	G	H	I	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	14,000	5003_SB-06_0-2_S_SUP_20170608	Soil	240 feet	Unknown	-	-	-
Ethylbenzene	100-41-4	350	5003_SB-06_0-2_S_SUP_20170608	Soil	240 feet	Unknown	-	-	-
Toluene	108-88-3	6,200	5003_SB-06_0-2_S_SUP_20170608	Soil	240 feet	Unknown	-	-	-
1,2,4-Trimethylbenzene	95-63-6	4,700	5003_SB-05_12-14_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
1,3,5-Trimethylbenzene	108-67-8	1,200	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Xylenes (Total)	1330-20-7	6,100	5003_SB-05_12-14_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Acenaphthene	83-32-9	37,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Acenaphthylene	208-96-8	59,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Anthracene	120-12-7	250,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Aniline	62-53-3	4,000	5003_SB-05_12-14_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Benzo(a)anthracene	56-55-3	100,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Benzo(b)fluoranthene	205-99-2	51,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Benzo(a)pyrene	50-32-8	49,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Carbazole	86-74-8	63,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Dibenzo(a,h)anthracene	53-70-3	6,500	5003_SB-06_0-2_S_SUP_20170608	Soil	240 feet	Unknown	-	-	-
Dibenzofuran	132-64-9	78,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
2,4-Dimethylphenol	105-67-9	220,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Fluoranthene	206-44-0	150,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Fluorene	86-73-7	130,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	23,000	5003_SB-06_0-2_S_SUP_20170608	Soil	240 feet	Unknown	-	-	-
2-Methylnaphthalene	91-57-6	120,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Methylphenols (Total)	1319-77-3	247,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Naphthalene	91-20-3	170,000	5003_SB-06_0-2_S_SUP_20170608	Soil	240 feet	Unknown	-	-	-
Phenanthrene	85-01-8	300,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Phenol	108-95-2	43,000	5003_SB-05_8-10_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Aluminum	7429-90-5	15,000,000	5003_SB-05_17-18_S_SUP_20170608	Soil	105 feet	Unknown	-	-	-
Antimony	7440-36-0	46,000	5003_DUP-B_S_SUP_20170609 *	Soil	60 feet	Unknown	-	-	-
Arsenic	7440-38-2	260,000	5003_SB-05_12-14_S_SUP_20170608	Soil	105 feet	Unknown	-	-	-
Barium	7440-39-3	530,000	5003_SB-01_4-6_S_SUP_20170608	Soil	60 feet	Unknown	-	-	-
Cadmium	7440-43-9	7,200	5003_SB-05_12-14_S_SUP_20170608	Soil	105 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	120,000	5003_SB-01_4-6_S_SUP_20170608	Soil	55 feet	Unknown	-	-	-
Cobalt	7440-48-4	15,000	5003_SB-05_17-18_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Copper	7440-50-8	91,000	5003_SB-05_39-40_S_SUP_20170609	Soil	155 feet	Unknown	-	-	-
Cyanide	57-12-5	740,000	5003_SB-01_4-6_S_SUP_20170608	Soil	105 feet	Unknown	-	-	-
Iron	7439-89-6	160,000,000	5003_DUP-B_S_SUP_20170609 *	Soil	60 feet	Unknown	-	-	-
Lead	7439-92-1	460,000	5003_SB-08_4-6_S_SUP_20170609	Soil	55 feet	Unknown	-	-	-
Magnesium	7439-95-4	47,000,000	5003_SB-05_12-14_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Manganese	7439-96-5	1,600,000	5003_SB-06_8-10_S_SUP_20170608	Soil	240 feet	Unknown	-	-	-
Mercury	7439-97-6	6,000	5003_SB-07_4-6_S_SUP_20170609	Soil	60 feet	Unknown	-	-	-
Nickel	7440-02-0	200,000	5003_SB-01_8-10_S_SUP_20170608	Soil	105 feet	Unknown	-	-	-
Selenium	7782-49-2	15,000	5003_SB-05_12-14_S_SUP_20170608	Soil	105 feet	Unknown	-	-	-
Thallium	7440-28-0	4,900	5003_SB-05_12-14_S_SUP_20170608	Soil	155 feet	Unknown	-	-	-
Zinc	7440-66-6	3,400,000	5003_SB-01_8-10_S_SUP_20170608	Soil	105 feet	Unknown	-	-	-
Ammonia	7664-41-7	170,000	5003_SB-05_39-40_S_SUP_20170609	Soil	155 feet	Unknown	-	-	-
Benzene	71-43-2	26	5003_SB-05_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-
Methylphenols (Total)	1319-77-3	31	5003_SB-07_10-15_W_SUP_20170609	Groundwater	155 feet	Unknown	-	-	-
Phenanthrene	85-01-8	2.6	5003_SB-05_10-15_W_SUP_2017	Groundwater	155 feet	Unknown	-	-	-
Aluminum	7429-90-5	4,000	5003_SB-07_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-
Arsenic	7440-38-2	11	5003_SB-05_10-15_W_SUP_2017	Groundwater	155 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	20	5003_SB-07_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-
Copper	7440-50-8	23	5003_SB-07_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-
Cyanide	57-12-5	760	5003_SB-07_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-
Iron	7439-89-6	16,000	5003_SB-07_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-
Lead	7439-92-1	16	5003_SB-07_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-
Manganese	7439-96-5	380	5003_SB-07_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-
Mercury	7439-97-6	0.31	5003_SB-07_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-
Chloride	16887-00-6	210,000	5003_SB-07_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-
Sulfate	14808-79-8	500,000	5003_SB-05_10-15_W_SUP_2017	Groundwater	155 feet	Unknown	-	-	-
Ammonia	7664-41-7	11,000	5003_SB-07_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-
pH	-	8.98	5003_SB-07_10-15_W_SUP_20170609	Groundwater	60 feet	Unknown	-	-	-

Total Number of Samples Collected: 40 soil, 2 groundwater.

Total Number of Samples Exceeding Criteria: 40 soil, 2 groundwater.

Footnotes:

\* Duplicate sample corresponding to 5003\_SB-07\_4-6\_S\_SUP\_20170609





SITE INVESTIGATION AREA



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LEGEND

☉ Soil Boring Location

--- Approximate boundary of MDOT Acquisition Parcel 5003 / Site Investigation Area and estimated extent of soil and groundwater impact greater than Residential and Nonresidential Generic Cleanup Criteria (impact is assumed to extend to at least the limits of the Site Investigation Area)

MAP OF IMPACT  
 GORDIE HOWE INTERNATIONAL BRIDGE  
 MDOT PARCEL #5003  
 1301 SPRINGWELLS COURT  
 DETROIT, MICHIGAN

PROJECT NO: BC3876-SE T09	CREATED BY: D.LANCASTER	APPROVED BY: GREG HILTY
FILE: P:\BC3876.00\CAD\T09\BC3876SE	DATE: 7/24/17	FIGURE: 3

