



October 31, 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 6918 West Jefferson Avenue, Detroit, MI, Tax ID 18000108-9 (MDOT Parcel 5030)
Potentially toward W. Jefferson Avenue right-of-way to south, South Street right-of-way to north,
And/or alley right-of-way to east
Notification No. 5030-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 6918 West Jefferson Avenue, Detroit, Michigan ("the Site") in relation to the Gordie Howe International Bridge project underway in the vicinity of the right-of-ways 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



TECHNICAL SKILL.
CREATIVE SPIRIT.

5030.Notice Cover Letter.DetroitDPW.docx

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

RECEIVED NOV - 9 2017

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/deqducare, 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/deqducare.

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.

1. Name and location of the property that hazardous substances are emanating from:	2. Status relative to the property: (Check one or both, as applicable.)
Name: MI Dept. of Transportation (MDOT) Parcel 5030	Owner <input checked="" type="checkbox"/>
Address: 6918 West Jefferson Avenue	Operator <input type="checkbox"/>
Location: Michigan	
City/County: Detroit/Wayne	
Property Tax Identification Number, or if applicable, the ward and item number: 18000108-9	
Latitude (decimal degrees): 42.297604 °N	Longitude (decimal degrees): -83.105956 °W
Reference Point for Latitude and Longitude:	
Center of Site: <input checked="" type="checkbox"/>	Main/front door: <input type="checkbox"/>
Front gate/main entrance: <input type="checkbox"/>	Other: <input type="checkbox"/>
Collection Method: Survey: <input type="checkbox"/>	Interpolation: <input type="checkbox"/>
GPS: <input checked="" type="checkbox"/>	



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 5030; 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 Rd. 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: 6918 W. Jefferson Ave. (subject property) Notified? No Yes Date: Oct. 31, 2017
City/State: Detroit, MI
Property Tax ID number: 18000108-9
Other: Consolidated Rail Corporation (Conrail) and DTE Electric Company (potential easement holders)

Address: 6952 W. Jefferson Ave. Notified? No Yes Date: Oct. 31, 2017
City/State: Detroit, MI
Property Tax ID number: 18000107
Other: DTE Electric Company (adjacent property owner and utility owner for area)

Address: 6952 W. Jefferson Ave. Notified? No Yes Date: Oct. 31, 2017
City/State: Detroit, MI
Property Tax ID number: 18000107
Other: Conrail (potential easement holder for adjacent property)

Address: 6902 W. Jefferson Ave. Notified? No Yes Date: Oct. 31, 2017
City/State: Detroit, MI
Property Tax ID number: 18000110
Other: MDOT Parcel 5031 (adjacent property owner)



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

Address: 2 Woodward Avenue, Ste. 611 Notified? No Yes Date: Oct. 31, 2017

City/State: Detroit, MI, 48226

Property Tax ID number: NA

Other: City of Detroit (West Jefferson Avenue, South Street, and alley adjacent to 6918 West Jefferson Avenue/18000108-9)

Address: 735 Randolph Notified? No Yes Date: Oct. 31, 2017

City/State: Detroit, MI, 48226

Property Tax ID number: NA

Other: Detroit Water & Sewerage Department (utility holder)

Address: 27175 Energy Way Notified? No Yes Date: Oct. 31, 2017

City/State: Novi, MI, 48377

Property Tax ID number: NA

Other: International Transmission Company/ITC (utility holder)

Address: 735 Randolph Street, Ste. 1900 Notified? No Yes Date: Oct. 31, 2017

City/State: Detroit, MI, 48226

Property Tax ID number: NA

Other: Great Lakes Water Authority (utility holder)

Address: 12775 Lydon Street Notified? No Yes Date: Oct. 31, 2017

City/State: Detroit, MI, 48227

Property Tax ID number: NA

Other: Comcast/Xfinity (utility holder)

Address: 208 S. Akard Street Notified? No Yes Date: Oct. 31, 2017

City/State: Dallas, TX, 75202

Property Tax ID number: NA

Other: AT&T Headquarters (utility holder)

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

MAP OF PROPERTY TAX ID NUMBERS



Coordinate System: UTM Zone 17 N IntFt
 Projection: Transverse Mercator
 Datum: NAD 1983 CORS96



FIGURE 1
 PROPERTY TAX ID NUMBERS
 ADJACENT TO MDOT 5030
 Gordie Howe International Bridge
 Detroit, Michigan

DATE 1/17/2017	DRAWN BY AMK	DESIGNED BY LHK	PROJECT NO. MDOT0070
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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:

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?

10. Is this notice in addition to a notice that was submitted prior to *December 21, 2002*? (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 *must* receive this notice.)

13. Has surface water been affected (R 299.51017(1))? (If yes, please identify the affected surface water body.)

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 10/31/2017

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 2

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"
Benzo(b)fluoranthene	205-99-2	21,000	5030_SB-01_0.5-1_S_SME_20160816	Soil	30'	Unknown	-	-	-
			5030_SB-05_1-2_S_SME_20160816	Soil	30'	Unknown	-	-	-
Benzo(a)pyrene	50-32-8	16,000	5030_SB-05_1-2_S_SME_20160816	Soil	30'	Unknown	-	-	-
Dibenzo(a,h)anthracene	53-70-3	3,000	5030_SB-05_1-2_S_SME_20160816	Soil	30'	Unknown	-	-	-
Fluoranthene	206-44-0	44,000	5030_SB-05_1-2_S_SME_20160816	Soil	30'	Unknown	-	-	-
Naphthalene	91-20-3	1,800	5030_SB-05_1-2_S_SME_20160816	Soil	30'	Unknown	-	-	-
Phenanthrene	85-01-8	23,000	5030_SB-01_0.5-1_S_SME_20160816	Soil	30'	Unknown	-	-	-
Arsenic	7440-38-2	90,000	5030_SB-08_0-0.75_S_SME_20160815	Soil	10'	Unknown	-	-	-
Barium	7440-39-3	2,300,000	5030_SB-01_0.5-1_S_SME_20160816	Soil	30'	Unknown	-	-	-
Cadmium	7440-43-9	11,000	5030_SB-01_0.5-1_S_SME_20160816	Soil	30'	Unknown	-	-	-
Copper	7440-50-8	1,900,000	5030_SB-01_0.5-1_S_SME_20160816	Soil	30'	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	6,700,000	5030_SB-01_0.5-1_S_SME_20160816	Soil	30'	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	8,000,000	5030_SB-01_0.5-1_S_SME_20160816	Soil	30'	Unknown	-	-	-
Lead - Coarse Fraction	7439-92-1	5,700,000	5030_SB-01_0.5-1_S_SME_20160816	Soil	30'	Unknown	-	-	-
Mercury	7439-97-6	1,100	5030_SB-01_0.5-1_S_SME_20160816	Soil	30'	Unknown	-	-	-
Selenium	7782-49-2	18,000	5030_SB-08_0-0.75_S_SME_20160815	Soil	10'	Unknown	-	-	-
Silver	7440-22-4	1,400	5030_SB-01_0.5-1_S_SME_20160816	Soil	30'	Unknown	-	-	-
Zinc	7440-66-6	5,400,000	5030_SB-01_0.5-1_S_SME_20160816	Soil	30'	Unknown	-	-	-

Total Number of Samples Collected: 39 soil, 4 groundwater

Total Number of Samples Exceeding Criteria: 17 soil, 0 groundwater



**MDOT Parcel 5030
SME Project No. 073213.04
Residential and Nonresidential Soil
Exceedances and Contamination
Estimation Diagram
Figure No. 2**

* Basemap provided by MSG.

Labeled areas are estimated horizontal extent of impacts. Refer to report for area/quantity estimate assumptions and qualifications.



Refer to the geophysical report appended to the PSI report for information about and figures depicting inferred buried utilities.

Source: Esri, DigitalGlobe, GeoEye, IGN, Aerotech, Aero, IGN, USGS, Aerial, CNR, EPA, Wisconsin, and its GIS

- Parcel Coordinate Points
- ⊕ Approximate Soil Boring Location
- Concentration Exceeds Both Residential and Nonresidential Criteria

0 100 200 400 Feet

Coordinate System: UTM Zone 17 N (NAD83)(CORS96)(Epoch:2002) Using Geoid Model Geoid12A

Point ID	Easting	Northing
0	1070514.8534	15371142.9203
1	1070643.5368	15371212.4281
2	1070871.0154	15370760.2300
3	1071102.3583	15370300.3501
4	1071190.2658	15370348.0928
5	1071272.5974	15370184.3570
6	1071185.2585	15370135.5548
7	1071182.1109	15370141.8120
8	1071053.8383	15370070.1378

Notes:

- 1) Historical feature locations are approximate and based on review of available Sanborn® maps provided by MSG.
- 2) Concentrations are µg/kg (ppb).
- 3) Groundwater Surface Water Interface Protection and Drinking Water Protection Criteria do not represent exposure concerns, but are relevant for Due Care for preconstruction and construction activities.