



April 16, 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 155, 251 S. Waterman Street, Detroit, MI, Tax ID 18008082 (MDOT Parcel 5323)
Potentially toward S. Waterman Street right-of-way to the west, S. Rademacher Street right-of-way to the east,
And/or South Street right-of-way to the south
Notification No. 5323-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 155, 251 South Waterman Street, 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

TECHNICAL SKILL.
CREATIVE SPIRIT.

RECEIVED APR 24 2018

5323 Notice Cover Letter.DetroitDPW.docx

For DEQ Use Only ITS # _____ Site ID # _____ Category Code: _____
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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: Status relative to the property:
(Check one or both, as applicable.)

Name: Universal Refrigeration/MI Dept. of Transportation (MDOT) Parcel 5323 Owner*
Address: 155, 251 S. Waterman Street Operator
Location: Michigan

City/County: Detroit/Wayne
Property Tax Identification Number, or if applicable, the ward and item number: 18008081-2
* MDOT is future owner; physical possession is anticipated by July 30, 2018

Latitude (decimal degrees): 42.301126 °N Longitude (decimal degrees): -83.104999 °W

Reference Point for Latitude and Longitude:
Center of Site: Main/front door: Front gate/main entrance: Other:
Collection Method: Survey: Interpolation: GPS:



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

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 5323; 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: 274 S. Waterman St. City/State: Detroit, MI Property Tax ID number: 1800023600 Other: Lafayette Properties, LLC	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: April 16, 2018
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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: April 16, 2018
Address: 2 Woodward Avenue, Ste. 611 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: City of Detroit (S. Waterman St., S. Rademacher St., and South St. adjacent to subject properties)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: April 16, 2018
Address: 27175 Energy Way City/State: Novi, MI, 48377 Property Tax ID number: NA Other: International Transmission Company (ITC) (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: April 16, 2018
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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Date: April 16, 2018



Address: 12775 Lydon Street City/State: Detroit, MI, 48227 Property Tax ID number: NA Other: Comcast/Xfinity (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: April 16, 2018
Address: 208 S. Akard Street City/State: Dallas, TX, 75202 Property Tax ID number: NA Other: AT&T Headquarters (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: April 16, 2018
Address: One Energy Plaza, Ste. 1935 City/State: Detroit, MI, 48226 Property Tax ID number: NA Other: Detroit Edison, DTE (utility holder)	Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: April 16, 2018
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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: April 16, 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: April 16, 2018
The following surrounding parcels are owned by MDOT: Notified? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Date: April 16, 2018	
Address: 502 S. Waterman St. City/State: Detroit, MI Property Tax ID number: 18008259 Other: MDOT Parcel 5262	Address: 315 S. Rademacher St. City/State: Detroit, MI Property Tax ID number: 18007611 Other: MDOT Parcel 5331
Address: 515 S. Waterman St. (6665 South St.) City/State: Detroit, MI Property Tax ID number: 18000213.001 Other: MDOT Parcel 5269	Address: 307 S. Rademacher St. City/State: Detroit, MI Property Tax ID number: 18007612 Other: MDOT Parcel 5332
Address: 6645 South St. City/State: Detroit, MI Property Tax ID number: 18000212 Other: MDOT Parcel 5270	Address: 301 S. Rademacher St. City/State: Detroit, MI Property Tax ID number: 18007613 Other: MDOT Parcel 5333
Address: 6637 South St. City/State: Detroit, MI Property Tax ID number: 18000211 Other: MDOT Parcel 5271	Address: 295 S. Rademacher St. City/State: Detroit, MI Property Tax ID number: 18007614 Other: MDOT Parcel 5334
Address: 6633 South St. City/State: Detroit, MI Property Tax ID number: 18000210 Other: MDOT Parcel 5272	Address: 570 Rademacher St. City/State: Detroit, MI Property Tax ID number: 18007825-6 Other: MDOT Parcel 5411



Address: 514, 520 S. Rademacher St., 6603, 6611,
6617, 6621, 6629 South St.
City/State: Detroit, MI
Property Tax ID number: 18000205-6; 18000203-4;
18000207-9
Other: MDOT Parcel 5273

Address: 6501 South St.
City/State: Detroit, MI
Property Tax ID number: 18000198-202
Other: MDOT Parcel 5279

Address: 276 S. Waterman St.
City/State: Detroit, MI
Property Tax ID number: 18000236-0
Other: MDOT Parcel 5322

Address: 6536 South St.
City/State: Detroit, MI
Property Tax ID number: 18000237
Other: MDOT Parcel 5325

Address: 319, 325 S. Rademacher St.
City/State: Detroit, MI
Property Tax ID number: 18007609-10
Other: MDOT Parcel 5330

Address: 289 S. Rademacher St.
City/State: Detroit, MI
Property Tax ID number: 18007615
Other: MDOT Parcel 5412

Address: 265, 271, 275, 283 S. Rademacher St.
City/State: Detroit, MI
Property Tax ID number: 18007616-9
Other: MDOT Parcel 5414

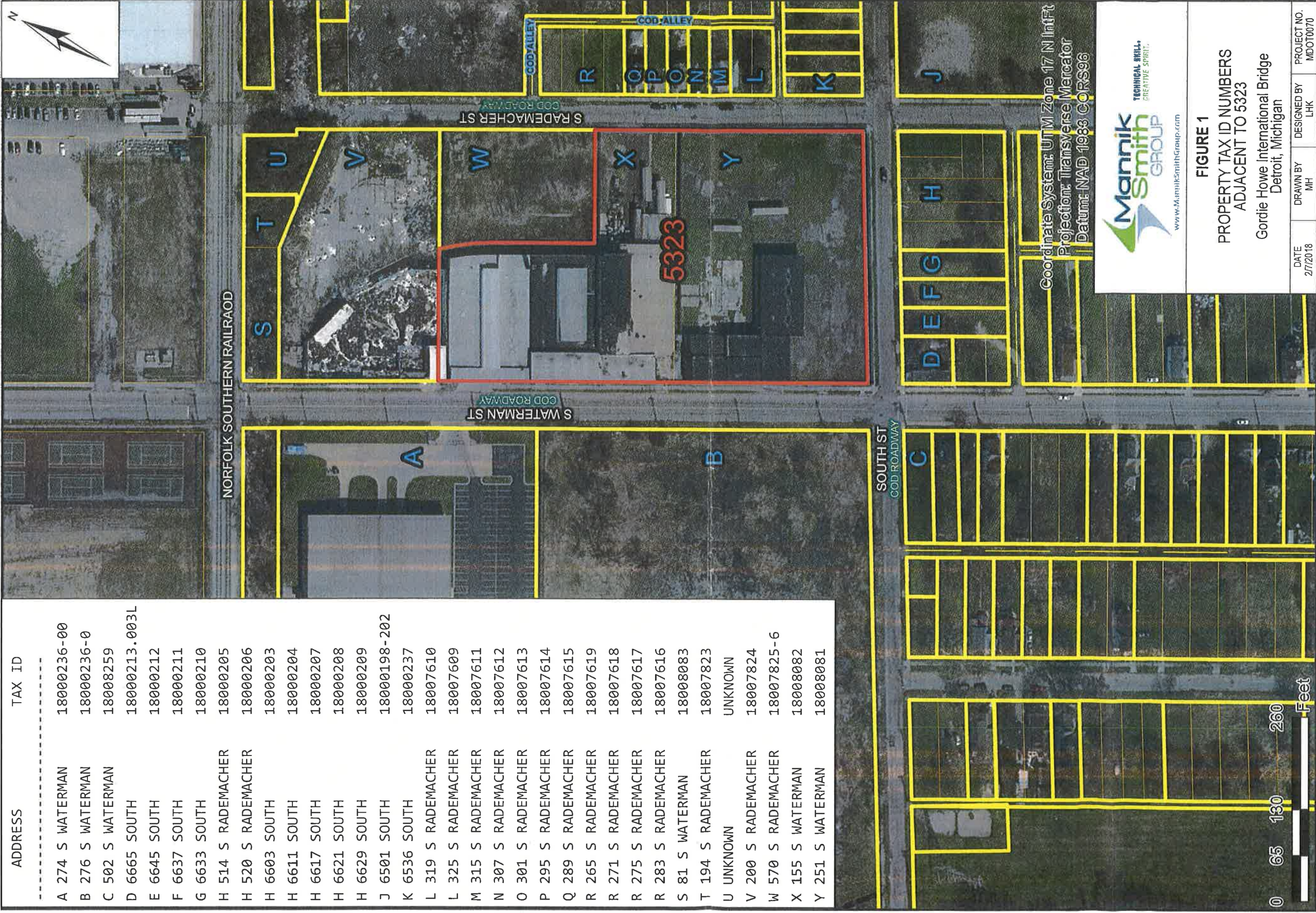
Address: 200 S. Rademacher St.
City/State: Detroit, MI
Property Tax ID number: 18007824
Other: MDOT Parcel 5447

Address: 81 S. Waterman St., 194 S. Rademacher St.
City/State: Detroit, MI
Property Tax ID number: 18008083, 18007823
Other: MDOT Parcel 5448

Address: No address; an approximately 0.2 acre parcel
bordered by MDOT Parcels 5447 and 5448, S.
Rademacher St., and Norfolk Southern railroad tracks
City/State: Detroit, MI
Property Tax ID number: No Tax ID
Other: MDOT Parcel 5716

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

MAP OF PROPERTY TAX ID NUMBERS



ADDRESS	TAX ID
A 274 S WATERMAN	18000236-00
B 276 S WATERMAN	18000236-0
C 502 S WATERMAN	180008259
D 6665 SOUTH	18000213.003L
E 6645 SOUTH	18000212
F 6637 SOUTH	18000211
G 6633 SOUTH	18000210
H 514 S RADEMACHER	18000205
H 520 S RADEMACHER	18000206
H 6603 SOUTH	18000203
H 6611 SOUTH	18000204
H 6617 SOUTH	18000207
H 6621 SOUTH	18000208
H 6629 SOUTH	18000209
J 6501 SOUTH	18000198-202
K 6536 SOUTH	18000237
L 319 S RADEMACHER	18007610
L 325 S RADEMACHER	18007609
M 315 S RADEMACHER	18007611
N 307 S RADEMACHER	18007612
O 301 S RADEMACHER	18007613
P 295 S RADEMACHER	18007614
Q 289 S RADEMACHER	18007615
R 265 S RADEMACHER	18007619
R 271 S RADEMACHER	18007618
R 275 S RADEMACHER	18007617
R 283 S RADEMACHER	18007616
S 81 S WATERMAN	18008083
T 194 S RADEMACHER	18007823
U UNKNOWN	UNKNOWN
V 200 S RADEMACHER	18007824
W 570 S RADEMACHER	18007825-6
X 155 S WATERMAN	18008082
Y 251 S WATERMAN	18008081

5323

MDOT PARCELS

PARCEL BOUNDARIES



6. Complete the Table on Page 7 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))?
Permit #: | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12. Is this notice related to an easement (R 299.51017(3))?
(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))?
(If yes, please identify the affected surface water body.) | <input type="checkbox"/> | <input checked="" 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 April 16, 2018

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 6 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 H 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"
1,2-Dichlorobenzene	95-50-1	1,300	5323_SB-17_1-2_S_SUP_20170727	Soil	35 feet	Unknown	-	-	-
1,4-Dichlorobenzene	106-46-7	450	5323_SB-17_1-2_S_SUP_20170727	Soil	35 feet	Unknown	-	-	-
Ethylbenzene	100-41-4	330	5323_SB-10_1-2_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
			5323_SB-18_1-2_S_SUP_20170727	Soil	120 feet	Unknown	-	-	-
Tetrachloroethylene	127-18-4	22,000	5323_SB-22_9-10_S_SUP_20170727	Soil	75 feet	Unknown	-	-	-
Trichloroethylene	79-01-6	8,600	5323_SB-11_6-7_S_SUP_20170726	Soil	10 feet	Unknown	-	-	-
1,2,4-Trimethylbenzene	95-63-6	4,500	5323_SB-10_5-7_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
1,3,5-Trimethylbenzene	108-67-8	3,800	5323_SB-18_1-2_S_SUP_20170727	Soil	120 feet	Unknown	-	-	-
Xylenes (Total)	1330-20-7	12,000	5323_SB-18_1-2_S_SUP_20170727	Soil	120 feet	Unknown	-	-	-
Dibenzofuran	132-64-9	3,300	5323_SB-10_1-2_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
Di-n-butyl phthalate	84-74-2	37,000	5323_SS-01_0-5_S_SUP_20170727	Soil	40 feet	Unknown	-	-	-
2-Methylnaphthalene	91-57-6	160,000	5323_SB-10_5-7_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
Methylphenols (Total)	1319-77-3	5,800	5323_SB-10_1-2_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
Naphthalene	91-20-3	90,000	5323_SB-10_5-7_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
Pentachlorophenol	87-86-5	62,000	5323_DUP-C_S_SUP_20170726 *	Soil	5 feet	Unknown	-	-	-
Phenanthrene	85-01-8	3,400	5323_SB-08_1-2_S_SUP_20170725	Soil	160 feet	Unknown	-	-	-
Arsenic	7440-38-2	67,000	5323_SB-10_1-2_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
Barium	7440-39-3	590,000	5323_SB-10_1-2_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
Cadmium	7440-43-9	17,000	5323_SS-01_0-5_S_SUP_20170727	Soil	40 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	2,900,000	5323_SB-02_1-2_S_SUP_20170725	Soil	10 feet	Unknown	-	-	-
Chromium VI (Hexavalent)	18540-29-9	46,000	5323_SB-02_1-2_S_SUP_20170725	Soil	10 feet	Unknown	-	-	-
Copper	7440-50-8	3,500,000	5323_SB-08_1-2_S_SUP_20170725	Soil	160 feet	Unknown	-	-	-
Lead	7439-92-1	770,000	5323_SB-08_1-2_S_SUP_20170725	Soil	160 feet	Unknown	-	-	-
Lead - Total (calculated)	7439-92-1	600,000	5323_SB-10_1-2_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
Lead - Fine Fraction	7439-92-1	750,000	5323_SB-10_1-2_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
Lead - Coarse Fraction	7439-92-1	560,000	5323_SB-10_1-2_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
Mercury	7439-97-6	1,400	5323_SB-10_1-2_S_SUP_20170726	Soil	10 feet	Unknown	-	-	-
Selenium	7782-49-2	9,800	5323_SB-11_1-2_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
Silver	7440-22-4	45,000	5323_SB-08_1-2_S_SUP_20170725	Soil	160 feet	Unknown	-	-	-
Zinc	7440-66-6	1,500,000	5323_SB-10_1-2_S_SUP_20170725	Soil	5 feet	Unknown	-	-	-
Total PCBs	1336-36-3	14,000	5323_SB-10_1-2_S_SUP_20170726	Soil	5 feet	Unknown	-	-	-
cis-1,2-Dichloroethene	156-59-2	1,100	5323_SB-21_3-6_W_SUP_20170727	Groundwater	50 feet	Unknown	-	-	-
Tetrachloroethylene	127-18-4	32	5323_SB-21_3-6_W_SUP_20170727	Groundwater	50 feet	Unknown	-	-	-
Trichloroethylene	79-01-6	560	5323_SB-04_8-13_W_SUP_20170725	Groundwater	90 feet	Unknown	-	-	-
Vinyl Chloride	75-01-4	600	5323_SB-21_3-6_W_SUP_20170727	Groundwater	50 feet	Unknown	-	-	-
2-Methylnaphthalene	91-57-6	34	5323_SB-10_5-10_W_SUP_20170726	Groundwater	5 feet	Unknown	-	-	-
Naphthalene	91-20-3	44	5323_SB-10_5-10_W_SUP_20170726	Groundwater	5 feet	Unknown	-	-	-
Pentachlorophenol	87-86-5	45	5323_SB-10_5-10_W_SUP_20170726	Groundwater	5 feet	Unknown	-	-	-
Arsenic	7440-38-2	31	5323_DUP_W_SUP_20170726 **	Groundwater	5 feet	Unknown	-	-	-
Chromium (Total)	7440-47-3	14	5323_SB-04_8-13_W_SUP_20170725	Groundwater	5 feet	Unknown	-	-	-
Copper	7440-50-8	61	5323_DUP_W_SUP_20170726 **	Groundwater	90 feet	Unknown	-	-	-
Lead	7439-92-1	13	5323_DUP_W_SUP_20170726 **	Groundwater	5 feet	Unknown	-	-	-

Total Number of Samples Collected: 47 soil, 5 groundwater.

Total Number of Samples Exceeding Criteria: 47 soil, 5 groundwater.

Footnotes:



* Duplicate sample corresponding to 5323_SB-10_5-7_S_SUP_20170726


** Duplicate sample corresponding to 5323_SB-10_5-10_W_SUP_20170726



Prepared By:
 Superior Environmental Corp
 1128 Franklin Street
 Marne, MI 49435
 (616) 667-4000
www.superiorencorp.com

LEGEND

-  Soil Boring (SB) or Surface Soil (SS) Sample Location
-  Estimated Extent of Soil Impact above Residential and Non Residential Generic Cleanup Criteria to 14+ feet bgs, and Groundwater Impact above Residential and Non Residential Generic Cleanup criteria (7-14 feet bgs)

 Estimated Extent of Soil Impact above Non Residential Volatilization to Indoor Air Generic Cleanup Criteria to 14+ feet bgs



**SOIL & GROUNDWATER MAP OF IMPACT
 GORDIE HOWE INTERNATIONAL BRIDGE
 MDOT PARCEL #5323_COMB
 155 & 251 S WATERMAN ST
 DETROIT, MICHIGAN**

PROJECT NO: BC3876-SD T20	CREATED BY: D.LANCASTER	APPROVED BY: GREG HILTY
FILE: P:\BC3876.00\CAD\T20\BC3876SD	DATE: 12/15/17	FIGURE: 2