

# Gate Station Assessment Report

## Executive Summary

The Gate Station Assessment Report is updated annually to reflect equipment/operational modifications that occurred at specific gate stations and meet the documentation requirements set out by the Ministry of Environmental, Conservation and Parks (MECP) to Enbridge Gas Inc. operating as Union Gas (Union Gas) under the amended ECA Number 4459-BJGQQY.

The assessment was updated in accordance with the following applicable regulations and guidelines:

- Ontario Regulation 524/98 (Updated by Ontario Regulation 14/17) Environmental Compliance Approvals – Exemptions from Section 9 of the Act;
- Guideline A-10 “Procedure for Preparing an Emission Summary and Dispersion Modelling Report, March 2018, Version 4.1” (the Procedure);
- Guideline A-11 “Air Dispersion Modelling Guideline for Ontario, February 2017, Version 3.0” (ADMGO).

This update utilizes an air screening methodology for natural gas-fired combustion equipment. The screening assessment includes a Pre-screening Test, Insignificance Test, and Review of Existing Compressor Station ESDMs. Detailed assessments using AERMOD were completed for facilities that did not meet the screening requirements.

This assessment report includes the quantification of emission rates for all significant sources of contaminants from the gate stations. Emission rates that have been estimated in this report are for maximum operating scenarios as per O. Reg. 419/05 regulatory requirements. Due to the underlying assumptions used for this scenario, the emission rates cannot be realistically extrapolated to annual values and should not be used for such purposes.

All gate stations assessments have resulted in the demonstration of compliance with all applicable air emission standards and limits.

**Table 2: Pre-Screening Test**

Station Number	Station Name	Total Site Wide Maximum Heat Input (BTU/hr)	Total Heat Input <1.6 MMBTU/hr
11H-602	167 POOL ST	246445	Yes
45103001	AIRPORT RD TBS AND DRS	502370	Yes
31202001	AIRPORT ROAD TBS	350711	Yes
45101125	ALGOMA #7 FURNACE SMS	218009	Yes
12F-201	ALLIED CHEMICAL LINE STN	246445	Yes
04A-202	AMHERSTBURG STATION	1421801	Yes
16W-601	ANCASTER GATE	312796	Yes
16W-603	ANCASTER SOUTH GATE STATION	464455	Yes
23T-401	ARTHUR GATE STATION	140000	Yes
17T-502	AYR STATION	90,047	Yes
07G-201	BALDOON TRANSMISSION STN	1466000	Yes
43601001	BALLS DR TBS	246445	Yes
32Q-501R	BALMY BEACH	142180	Yes
28403001	BARRIEFIELD CMS	74882	Yes
28403016	BARRIEFIELD TBS & DRS	502370	Yes
43202019	BARRYDOWN PRS	322275	Yes
43802001	BASS LAKE TBS	398104	Yes
06D-401	BELLE RIVER STATION	445498	Yes
27801001	BELLEVILLE SIDNEY ST. TBS	1467000	Yes
06J-103	BLenheim NORTH GATE STN	350711	Yes
45401004	BLIND RIVER TBS	502370	Yes
15V-111R	BRANTFORD STANLEY & PARK NORTH	1421801	Yes
27403002	BRIGHTON TBS	644550	Yes
06B-404	BRUCE AVE	315000	Yes
07H-601	BURKE LINE STATION	502370	Yes
44602002	BURKS FALLS TBS	70142	Yes
14X-101	CALEDONIA GATE STN	379147	Yes
14X-105	CALEDONIA HADDINGTON ST	140000	Yes
43005001	CALLANDER TBS	140000	Yes
18U-504	CAMBRIDGE EAST	748815	Yes
15Q-603	CANADA CEMENT TRANSMISSION STN	1500000	Yes
14W-501I	CANADIAN GYPSUM HWY 6	255924	Yes
18W-601	CARLISLE GATE STATION	464455	Yes
17M-601	CENTRALIA STN	36967	Yes
07G-601	CHATHAM NORTH	1042654	Yes
44301004	CHELMSFORD TBS / DRS	388626	Yes
06B-548I	CHRYSLER PAINT SHOP PLANT 3	151659	Yes
20M-201	CLINTON GATE STN	246445	Yes
27301068	COBOURG EAST TBS	492891	Yes

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Station Number	Station Name	Total Site Wide Maximum Heat Input (BTU/hr)	Total Heat Input <1.6 MMBTU/hr
27301001	COBOURG TBS	748815	Yes
41601001	COCHRANE TBS	360190	Yes
27401001	COLBORNE TBS	246445	Yes
43201029	CONISTON TBS	246,445	Yes
43202060	COPPER CLIFF TBS	85308	Yes
27804001	CORBYVILLE TBS	246445	Yes
29502083	CORN. TBS WEST	1327014	Yes
29501001	CORNWALL EAST T.B.S.	1042654	Yes
41902029	CRAWFORD ST.	246445	Yes
28401229	CREEKFORD RD. TBS	312796	Yes
4.00E-102	CTY TD 14 GATE STATION	315000	Yes
41902024	DALTON ROAD - (MCBRIDE)	502370	Yes
12T-201	DELHI BRANTFORD ROAD STATION	1452000	Yes
28103002	DESERONTO TBS	74882	Yes
28405023	DESTEC SMS	1500000	Yes
43202080	DOMTAR	502370	Yes
08F-601	DOVER CENTRE	1500000	Yes
22S-401	DRAYTON TRANSMISSION STN.	113744	Yes
16V-402R	DUNSDON ST & PARK RD N STN	320000	Yes
27R-401	DURHAM GATE STATION	748815	Yes
44001001	EARLTON TBS	90047	Yes
45401005	ELLIOT LAKE TBS	502370	Yes
20S-301	ELMIRA GATE STATION	398104	Yes
20S-603	ELMIRA SOUTH	140000	Yes
27802004	ELMWOOD TBS	748815	Yes
43201009	ELOY TBS	616114	Yes
31001015	EMO TBS	140000	Yes
44801001	EMSDALE CMS	140000	Yes
42601002	ENGLEHART TBS	748815	Yes
43006032	EPCOR CO-GEN SMS	398104	Yes
18S-374	ERB ST WEST	385000	Yes
05B-302	ESSEX CITY RD 46 TRANSMISSION STN	385000	Yes
05C-103	ESSEX MAIDSTONE TRANSMISSION STN	140000	Yes
05C-501	ESSEX TRANSMISSION GATE STN	1232227	Yes
28103003	ESSROC CEMENT	322275	Yes
21S-601	FERGUS FIRST STAGE	492891	Yes
21U-101	FERGUS SECOND STAGE	246445	Yes
43702002	FERGUSON RD TBS / DRS	142180	Yes
12S-202	FERNLEA FARM	398104	Yes
21S-602	FLORADALE STATION	140000	Yes
06B-6071	FORD ESSEX / NEMAK	1421801	Yes

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Station Number	Station Name	Total Site Wide Maximum Heat Input (BTU/hr)	Total Heat Input <1.6 MMBTU/hr
15J-401	FOREST GATE STATION	1042654	Yes
43202039	FROOD TOWN BORDER STATION	246445	Yes
28501001	GANANOQUE TBS	379147	Yes
45101124	GEORGIA PACIFIC FLAKEBOARD SMS	492891	Yes
30601002	GERALDTON TBS	151659	Yes
11L-401	GLENCOE GATE STATION	140000	Yes
21L-201	GODERICH GATE STN	246445	Yes
41902030	GOLDCORP MINE - PRS -(1ST CUT)	85308	Yes
41901025	GRANT WAFERBOARD -HWY-101W	246445	Yes
45401095	GREAT NORTHERN RD TBS	502370	Yes
18700008	GREENFIELD ETHANOL PLANT	312796	Yes
19V-101	GUELPH GATE STATION	1042654	Yes
19U-201	GUELPH WEST STN	1500000	Yes
42801003	HAILEYBURY TBS	246445	Yes
21X-502R	HALL ROAD DISTRIBUTION STN	312796	Yes
15X-105R	HAMILTON AIRPORT ROAD	140000	Yes
13T-402	HAWTREY TRANSMISSION STATION	398,104	Yes
41301001	HEARST TBS	417062	Yes
19S-201	HEIDLEBERG	142180	Yes
16X-218R	HILLCREST STN	834123	Yes
05B-205R	HOWARD & OUTER DISTRIBUTION	90047	Yes
140-632R	HURON VETERAN MEMORIAL STATION	385000	Yes
30103001	IGNACE TBS	70142	Yes
43202068	INCO COPPER REFINERY SMS	748815	Yes
43202071	INCO NICKEL REFINERY	385000	Yes
43202050	INCO NORTH MINE	246445	Yes
43202054	INCO SMELTER SALES STATION	1500000	Yes
43202069	INCO SOUTH MINE MAIN PLANT	90047	Yes
43202052	INCO THAW SHED SMS	90047	Yes
29201002	INGLESIDE TBS	315000	Yes
16S-503	INNERKIP TRANSMISSION STN	140000	Yes
13F-225I	IOL COGEN	654028	Yes
41701002	IROQUOIS FALLS TBS	398104	Yes
28901001	IROQUOIS T.B.S.	90047	Yes
28409001	JOYCEVILLE TBS	246445	Yes
41401002	KAPUSKASING TBS	398104	Yes
31203013	KEEWATIN TOWN BORDER STATION	74882	Yes
43202065	KELLY LAKE TOWN BORDER STN	1042654	Yes
31201001	KENORA TOWN BORBER STATION	350711	Yes
09H-407	KENT BRIDGE NORTH	1155000	Yes
12K-301	KERWOOD TRANSMISSION STATION	1421801	Yes

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Station Number	Station Name	Total Site Wide Maximum Heat Input (BTU/hr)	Total Heat Input <1.6 MMBTU/hr
13N-401	KOMOKA TRANSMISSION STATION	140000	Yes
28406006	LAFARGE	113744	Yes
41903090	LAFORST TBS	502370	Yes
05A-203	LASALLE BOISIMMER AVE	199052	Yes
43202036	LASALLE TOWN BORDER STN	315000	Yes
03D-301	LEAMINGTON NORTH GATE	236967	Yes
13O-206R	LONDON BASELINE REG. STN.	767773	Yes
13P-401	LONDON EAST TRANSMISSION	767773	Yes
13O-402	LONDON WESTMOUNT	1421801	Yes
13O-401	LONDON WHITE OAKS	1421801	Yes
29202002	LONG SAULT T.B.S.	246445	Yes
31101002	LONGLAC TBS	369668	Yes
18X-101	LOWVILLE GATE	246445	Yes
16V-604	LYNDEN GATE STATION	255924	Yes
43902001	MADILL TBS	70142	Yes
27805088	MADOC DRS	246445	Yes
28702012	MAITLAND TBS	74882	Yes
43202034	MALEY TBS	502370	Yes
18T-402	MANNHEIM TRANSMISSION	341232	Yes
06C-401	MANNING ROAD STATION	597156	Yes
130-676C	MAPLE LEAF STATION	140000	Yes
10H-103R	MARTHAVILLE AND BENTPATH	140000	Yes
06A-605R	MATCHETTE & PRINCE	246445	Yes
42301002	MATHESON TBS	142180	Yes
44701001	MATTAWA TBS	90047	Yes
07H-501	MAYNARD LINE TRANS STN	502370	Yes
07K-409	MCKINLAY ROAD STN	748815	Yes
13F-323R	MCPLANK	834123	Yes
13N-101	MELROSE GATE STN	1421801	Yes
03D-310R	MERSEA RD 3	770000	Yes
04E-401	MERSEA TWP CON 6 STATION	729858	Yes
19X-302	MILTON SOUTH DISTRIBUTION STAT	1421801	Yes
19O-601	MITCHELL GATE STN	246445	Yes
41902022	MONETA TBS	445498	Yes
29101001	MORRISBURG TBS	246445	Yes
31002019	MOWAT TOWN BORDER STATION	385000	Yes
13M 501	MT BRYDGES NORTH GATE	140000	Yes
24R-201	MT FOREST GATE STN	398104	Yes
43602001	MUSKOKA FALLS TBS	502370	Yes

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Station Number	Station Name	Total Site Wide Maximum Heat Input (BTU/hr)	Total Heat Input <1.6 MMBTU/hr
28101001	NAPANEE TBS	644550	Yes
19T-102R	NEW BRIDGES DISTRIBUTION	464455	Yes
17T-201	NEW DUNDEE H P GATE STATION	24645	Yes
42701002	NEW LISKEARD TBS	246445	Yes
30501093	NEW NIPIGON TBS	140000	Yes
30501002	NIPIGON TBS	246445	Yes
14S-601	NORWICH BRICK GATE STATION	331754	Yes
13T-101	NORWICH TRANSMISSION STATION	170616	Yes
12F-205	NOVACOR (MOORE)	315000	Yes
12F-101	NOVACOR (ST. CLAIR) 1ST STAGE	770000	Yes
17T-202	NTH.DUMFRIES TRANSMISSION STN.	502370	Yes
10H-301	OAKDALE HEADER	140000	Yes
18Y-202R	OAKVILLE TOWN BORDER STN	385000	Yes
28405001	ODESSA TBS	1155000	Yes
11H-301	OIL CITY POOL METERING STATION	132701	Yes
05A-305	OJIBWAY MEASUREMENT	502370	Yes
31Q-501	OWEN SOUND GATE STATION	1023000	Yes
44801002	PARRY SOUND TBS	140000	Yes
06C-502	PATILLO RD GATE STN	398104	Yes
28103006	PICTON TBS	445498	Yes
16S-201	PLATTSVILLE TRANS STN	140000	Yes
29N-101	PORT ELGIN	151659	Yes
27201001	PORT HOPE TBS	729858	Yes
31Q-502	PPG INDUSTRIES	322275	Yes
28701001	PRESCOTT TBS	445498	Yes
15T-104	PRINCETON	140000	Yes
11V-101	PT DOVER GATE STATION	142180	Yes
06C-602	PUCE ROAD TRANSMISSION	142180	Yes
43901001	RAVENSGLEN TBS	502370	Yes
30401002	REDROCK TBS	796209	Yes
07J-301	RIDGETOWN NORTH TRANS STN	502370	Yes
03D-204R	ROAD 2 E DIST	770000	Yes
23R-602	ROTHSAY TRANS	388626	Yes
10H-204	RUTHERFORD FIRST STAGE	140000	Yes
21T-301	SALEM GATE STATION	246445	Yes
13F-220R	SARNIA VIDAL ST	1327014	Yes
41902031	SCHUMACHER GOLD CENTRE	246445	Yes
20N-501	SEAFORTH GATE STN	246445	Yes
45401002	SECOND LINE T.B.S.	331754	Yes
13F-402	SHELL CUSTOMER STATION	1421801	Yes
41501002	SMOOTH ROCK FALLS TBS	1421801	Yes

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Station Number	Station Name	Total Site Wide Maximum Heat Input (BTU/hr)	Total Heat Input <1.6 MMBTU/hr
27601030	SONOCO COGEN	246445	Yes
44601001	SOUTH RIVER TBS	70142	Yes
30N-501	SOUTHAMPTON	151659	Yes
05A-304R	SPRUCEWOOD IP	1421801	Yes
20S-601	ST JACOBS FIRST STAGE STATION	331754	Yes
16O-301	ST MARYS 1ST STAGE STN	1500000	Yes
27602005	ST. HILAIRE DRS	630000	Yes
06E-502	STONE POINT STATION	90047	Yes
28102001	STRATHCONA TBS	246445	Yes
13L-601	STRATHROY GATE	1260000	Yes
43201014	STURGEON FALLS TBS	748815	Yes
16W-203	SUMMIT TRANSMISSION STATION	502370	Yes
12F-2011	SUNCOR ETHANOL	464455	Yes
12F-106I	SUNCOR HYDROGEN(AIR PRODUCTS)	919431	Yes
28411001	SYDENHAM ROAD TBS	74882	Yes
43701001	TAVERNER ROAD	492891	Yes
41401011	TCPL - 47 GOUGH RD.	445498	Yes
24O-101R	TEESWATER	140000	Yes
23R-601	TEVIOTDALE TRANS STN	587678	Yes
06F-401	TILBURY NORTH	511848	Yes
12S-101	TILLSONBURG POTTERS RD STATION	748815	Yes
12R-601	TILLSONBURG SOUTH STATION	1452000	Yes
05F-402	TILSBURY STATION	140000	Yes
18U-101	TOYOTA STATION	1570000	Yes
15S-202	TOYOTA TRANSMISSION	464455	Yes
15S-1011	TOYOTA WOODSTOCK	464455	Yes
27601001	TRENTON TBS	1421801	Yes
11F-111	TRILLIUM TRANSMISSION STATION	140000	Yes
43001016	TROUT LAKE TBS	1327014	Yes
09G-501	TUPPERVILLE TRANS	502370	Yes
43202073	WALDEN TBS	502370	Yes
43201017	WARREN TBS	85308	Yes
17X-102R	WATERDOWN NORTH	227488	Yes
19S-602	WATERLOO ERBSVILLE STATION	1042654	Yes
19S-603	WATERLOO-LAUREL CREEK STATION	331754	Yes
12K-401	WATFORD TRANSMISSION STATION	246445	Yes
43004002	WEST FERRIS TBS	140000	Yes
43801001	WEST ST. TBS	1155000	Yes
28401001	WESTBROOK STATION	140000	Yes
43002001	WIDDIFIELD TBS	85308	Yes
29301001	WINCHESTER TBS	1042654	Yes

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<b>Station Number</b>	<b>Station Name</b>	<b>Total Site Wide Maximum Heat Input (BTU/hr)</b>	<b>Total Heat Input &lt;1.6 MMBTU/hr</b>
06B-403	WINDSOR CALIFORNIA AVE STN	1232227	Yes
06A-601	WINDSOR TITCOMBE ROAD STN	1421801	Yes
42501004	WOOD STREET TBS	360190	Yes
28401002	WOODBINE TBS	1327014	Yes
05D-503	WOODSLEE TRANSMISSION STN	140000	Yes
15R-605	WOODSTOCK BEARDS LANE TRANS	312796	Yes
41901011	XSTRATA CONCENTRATOR	1042654	Yes
41901010	XSTRATA MINE HWY 655	303318	Yes
41901032	XSTRATA SMELTER	748815	Yes



**Table 3: Insignificance Test and Existing ESDM Review**

Station Number	Station Name/Street Name	Total Site Wide Maximum Heat Input (BTU/h)	Total Heat Input <1.6 MMBTU/hr	Minimum Distance From Boiler Stack to Property Line (m)	Conventional Boiler Limit Type	Conventional Boiler Limit (Btu/hr)	2019 Screening Level
05B-303	SANDWICH TRANSMISSION	6,400,000	No	22.80			Included in Sandwich Compressor ESDM
06B-401	GRAND MARAIS STN	2,200,000	No	24.00	Urban, <40	2,570,000	Insignificant
20Y-401	PARKWAY TRANSMISSION STN	4,533,000	No	80.00			Included in Parkway East Compressor ESDM

Table 4: Detailed Assessments

Station Number	Station Name/Street Name	Total Site Wide Maximum Heat Input (BTU/hr)	Total Heat Input <1.6 MMBTU/hr	Minimum Distance From Boiler Stack to Property Line (m)	Screening Level	% POI – 1 hour	% POI – 24 hour	% POI – Emergency Generator 1 hour
28107002	LENNOX SMS	24,000,000	No	7.80	DA	69%	84%	55%
28702001	DUPONT CANADA COGEN	2,936,000	No	10.00	DA	4%	1%	0%
28801001	CARDINAL T.B.S.	1,540,000	No	DA	DA	3%	4%	48%
30101001	DRYDEN TBS	2,702,000	No	4.00	DA	41%	54%	0%
30201002	ONION LAKE PRIMARY STATION	2,000,000	No	6.20	DA	22%	31%	8%
30201003	BELROSE TBS	3,050,000	No	8.00	DA	35%	46%	93%
45101117	ALGOMA SMS	3,150,000	No	3.40	DA	29%	41%	0%
03D-200	KINGSVILLE EAST	16,000,000	No	DA	DA	50%	60%	84%
03E-105	COUNTY RD 18	5,000,000	No	DA	DA	15%	21%	50%
04D-602	MERSEA GATE STATION	2,500,000	No	1.50	DA	44%	58%	71%
05E-403	COMBER TRANSMISSION STN	3,000,000	No	1.00	DA	22%	23%	0%
06B-301	LAUZON RD	3,000,000	No	6.90	DA	63%	51%	0%
06B-502	WALKER RD TRANS STN	3,000,000	No	1.50	DA	26%	37%	0%
11W-1011	LAKE ERIE STELCO BLAST FURNACE	6,100,000	No	1.80	DA	18%	26%	0%
12F-203	NOVACOR (CORUNNA)	7,500,000	No	DA	DA	45%	47%	92%
12F-204I	INVENERGY	4,281,000	No	5.00	DA	59%	87%	0%
12F-501	PAYNE KIMBALL STN	3,000,000	No	5.80	DA	11%	16%	97%
13F-501	SARNIA INDUSTRIAL STN	7,000,000	No	0.60	DA	14%	17%	0%
13F-502	SUNCOR	3,000,000	No	1.00	DA	8%	13%	0%
13F-503	CHURCHILL RD. STATION	3,000,000	No	9.00	DA	20%	30%	0%
13N-501	BYRON TRANS STN	7,000,000	No	6.20	DA	13%	16%	0%
14N-302	HENSALL TRANSMISSION STATION	2,000,000	No	19.8	DA	10%	12%	0%
14O-201	LONDON NORTH GATE STATION	7,000,000	No	15.20	DA	36%	44%	33%
14R-102	INGERSOLL TRANSMISSION STN	6,000,000	No	22.50	DA	21%	31%	0%

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Station Number	Station Name/Street Name	Total Site Wide Maximum Heat Input (BTU/hr)	Total Heat Input <1.6 MMBTU/hr	Minimum Distance From Boiler Stack to Property Line (m)	Screening Level	% POI – 1 hour	% POI – 24 hour	% POI – Emergency Generator 1 hour
14R-104	BEACHVILLE DOMTAR TRANS	2,000,000	No	9.20	DA	10%	13%	0%
15S-301	OXFORD STATION 491	1,155,000	Yes**	DA	DA	7%	9%	85%
15X-401	CALEDONIA TRANSMISSION STN	3,050,000	No	5.00	DA	25%	25%	0%
16U-601	BRANTFORD PROPANE PLANT	8,200,000	No	19.00	DA	27%	33%	0%
16W-606	KIRKWALL/DOMINION	3,650,000	No	6.00	DA	19%	18%	36%
16X-601	HAMILTON GATE #3	14,664,000	No	12.00	DA	68%	87%	0%
17P-301	STRATFORD GATE STATION	4,890,000	No	12.00	DA	37%	51%	0%
17U-301	GALT GATE STN	3,000,000	No	26.80	DA	23%	28%	0%
17X-401/2	HAMILTON GATE STATIONS #1 and 2	15,300,000	No	DA	DA	57%	64%	85%
18T-101	KITCHENER STATION	2,860,000	No	13.40	DA	58%	81%	0%
18T-501	STRAUSBURG TRANSMISSION STN	8,010,000	No	21.90	DA	44%	51%	0%
18W-603	HAMILTON-TRAFALGAR TAKE-OFF	8,100,000	No	6.60	DA	62%	90%	0%
18X-601	BURLINGTON GATE STATION	13,461,000	No	9.10	DA	57%	74%	0%
19S-601	WATERLOO GATE	1,042,654	Yes**	DA	DA	14%	16%	34%
19V-401	PUSLINCH TRANS STATION	4,200,000	No	2.00	DA	37%	52%	0%
19X-301	MILTON GATE STN	3,500,000	No	3.60	DA	27%	20%	0%
19Y-302	BRONTE STATION	18,000,000	No	17.40	DA	50%	69%	66%
20S-602	ST.JACOBS TRANS	3,723,000	No	16.00	DA	28%	35%	0%
20X-601I	HALTON HILLS CO-GEN (TCE)	3,080,000	No	7.00	DA	53%	82%	0%
20X-601R	MILTON EAST GATE STATION	3,260,000	No	3.20	DA	68%	94%	0%
28Q-601C	EPCOR	385,000	Yes**	DA	DA	5%	7%	34%
13N-501	BYRON TRANSMISSION STATION	5.250,000	Yes**	DA	DA	36%	49%	38%
14R-102	INGERSOLL STATION	5.250,000	Yes**	DA	DA	36%	38%	30%
42501005 & 12500031	CHAPUT HUGHES TBS & MACASSA MINE SHAFT #4 STATION	2,695,000	Yes**	DA	DA	45%	60%	79%

\*\* Completed Detailed Assessment (DA) on site with screened heating equipment because site also has an emergency generator.

## Document Control and Maintenance

For document control and maintenance purposes, the following table captures important information related to this document.

Category	Value
Owned by:	Environment Department
Review interval:	Annual

## Revision History

Date	Summary of Changes	Prepared by:	Approved by:
2019-12	Updated Gate Station Assessment Report	Luna Munro, Environmental Advisor	Peter Mussio, Technical Manager, Environment
2021-06	See 2020 Updates Below	Luna Munro, Environmental Advisor	Peter Mussio, Technical Manager, Environment
2022-05	See 2021 Updates Below	Caitlin Oag, Luna Munro Environmental Advisors	Peter Mussio, Technical Manager, Environment
2023-06	See 2022 Updates Below	Leo Sun, ORTECH Senior Project Manager	Rekha Patel, Advisor Environment

## 2020 Updates:

### Table 2: Pre-screening Test:

New Stations:

- ➔ Tilsbury Station (05F-401)
- ➔ Huron Veteran Memorial Station (140-632R)
- ➔ Maple Leaf Station (130-676C)

Station Modifications:

- ➔ Oakville TBS (18Y-202R)
- ➔ Novacor St Clair (12F-101)
- ➔ Parry Sound TBS (44801002)

### Detailed Assessments:

Station Modifications:

- ➔ Hamilton Gate #1 (17X-401)
- ➔ Oxford Gate 491 (15S-301)

- Novacor Corunna (12F-1203)

## 2021 Updates:

### Table 2: Pre-screening Test:

#### New Stations:

- Essex-Maidstone Trans Station (05C-103)
- Woodslee Trans Station (05D-503)
- Essex Cty Rd 46 Trans Station (05B-302)
- Arthur Gate Station (23T-401)
- Floradale Station (21S-602)
- Hamilton - Airport Rd (15X-105R)

#### Station Modifications:

- Mersea 3 (03D-310R)
- Princeton Station (15T-104)

### Detailed Assessments:

#### Station Modifications:

- Waterloo Gate (19S-601)
- Cardinal TBS (28801001)

## 2022 Updates:

### Table 2: Pre-screening Test:

#### New Stations:

- Marthaville and Bentpath (10H-103R)
- Glencoe Gate Station (11L-401)
- Komoka Transmission Station (13N-401)
- Rutherford First Stage (10H-204)
- MT Brydges North Gate (13M 501)
- Oakdale Header (10H-301)

### Detailed Assessments:

#### Station Modifications:

- Byron Transmission Station (13N-501)
- Ingersoll Station (14R-102)
- Chaput Hughes TBS & Macassa Mine Shaft #4 Station (42501005 & 12500031)