

Executive Summary of the Union Gas Gate Station Assessment dated February 28, 2013

A screening assessment was developed for Union Gas Gate Stations for natural gas-fired combustion equipment using three Screening Steps and a Prescreening Test. Detailed assessments were completed for facilities that did not meet the screening requirements.

The 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 compliance.

Screening and Detailed Assessment Results

Station Number	Station Name/Street Name	Maximum NO _x POI Conc ¹ (µg/m ³)
27602005	ST. HILAIRE DRS	151
27801001	BELLEVILLE SIDNEY ST. TBS	324
28107002	LENNOX SMS	480
28405001	ODESSA TBS	281
28405023	DESTEC SMS	389
28406024	LIB - PET RESIN 281-4199-9006	426
28702001	DUPONT CANADA COGEN	300
28801001	CARDINAL T.B.S.	496
29201002	INGLESIDE TBS	< 500
30101001	DRYDEN TBS	370
30201002	ONION LAKE PRIMARY STATION	< 500
30201003	BELROSE TBS	430
30501093	NEW NIPIGON TBS	64
31002019	MOWAT TOWN BORDER STATION	< 500
31202001	AIRPORT ROAD TBS	211
43004002	WEST FERRIS TBS	353
43005001	CALLANDER TBS	315
43202036	LASALLE TOWN BORDER STN	234
43202054	INCO SMELTER SALES STATION	303
43202071	INCO NICKEL REFINERY	< 500
43801001	WEST ST. TBS	465
44801001	EMSDALE CMS	283
45101117	ALGOMA SMS	395
04D-602	MERSEA GATE STATION	376
04E-102	CTY TD 14 GATE STATION	< 500
05B-303	SANDWICH TRANSMISSION	380
05E-403	COMBER TRANSMISSION STN	299
06B-301	LAUZON RD	499
06B-401	GRAND MARAIS STN	< 500
06B-404	BRUCE AVE	101
06B-502	WALKER RD TRANS STN	476
07G-201	BALDOON TRANSMISSION STN	257
08F-601	DOVER CENTRE	225
11F-111	TRILLIUM TRANSMISSION STATION	315
11W-101I	LAKE ERIE STELCO BLAST FURNACE	438
11W-201C	ONTARIO HYDRO NANTICOKE	< 500
12F-203	NOVACOR (CORUNNA)	420
12F-204I	INVENERGY	480
12F-205	NOVACOR (MOORE)	< 500
12F-501	PAYNE KIMBALL STN	460
12R-601	TILLSONBURG SOUTH STATION	411
12T-201	DELHI BRANTFORD ROAD STATION	< 500
13F-501	SARNIA INDUSTRIAL STN	406

Screening and Detailed Assessment Results (cont'd.)

Station Number	Station Name/Street Name	Maximum NO _x POI Conc ¹ (µg/m ³)
13F-502	SUNCOR	424
13F-503	CHURCHILL RD. STATION	330
13L-601	STRATHROY GATE	< 500
13N-501	BYRON TRANS STN	86
14N-302	HENSALL TRANSMISSION STATION	< 500
14O-201	LONDON NORTH GATE STATION	412
14R-102	INGERSOLL TRANSMISSION STN	280
14R-104	BEACHVILLE DOMTAR TRANS	< 500
15Q-603	CANADA CEMENT TRANSMISSION STN	< 500
15S-301	OXFORD STATION # 491	< 500
15X-401	CALEDONIA TRANSMISSION STN	480
16O-301	ST MARYS 1ST STAGE STN	< 500
16S-201	PLATTSVILLE TRANS STN	211
16S-503	INNERKIP TRANSMISSION STN	< 500
16U-601	BRANTFORD PROPANE PLANT	240
16V-402R	DUNSDON ST & PARK RD N STN	80
16W-606	KIRKWALL/DOMINION	340
16X-601	HAMILTON GATE #3	423
17P-301	STRATFORD GATE STATION	430
17U-301	GALT GATE STN	220
17X-401/2	HAMILTON GATE STATIONS #1 and 2	497
18T-101	KITCHENER STATION	420
18T-501	STRAUSBURG TRANSMISSION STN	280
18U-101	TOYOTA STATION	319
18W-603	HAMILTON-TRAFALGAR TAKE-OFF	436
18X-601	BURLINGTON GATE STATION	370
18Y-202R	OAKVILLE TOWN BORDER STN	378
19U-201	GUELPH WEST STN	< 500
19V-401	PUSLINCH TRANS STATION	434
19X-301	MILTON GATE STN	477
19Y-302	BRONTE STATION	255
20S-602	ST.JACOBS TRANS	240
20S-603	ELMIRA SOUTH	130
20X-601I	HALTON HILLS CO-GEN (TCE)	360
20X-601R	MILTON EAST GATE STATION	402
20Y-401	PARKWAY TRANSMISSION STN	63
31Q-501	OWEN SOUND GATE STATION	162

Note 1: The MOE POI half hour limit for NO_x is 500 µg/m³