

Table 4
Emission Summary Table
Transgear Manufacturing
Guelph, Ontario

Contaminant	CAS No.	Total Facility Emission Rate (g/s)	Air Dispersion Model Used	Max. POI Concentration (µg/m ³)	Averaging Period (hours)	MECP POI Limit (µg/m ³)	Limiting Effect	Benchmark Category	Percentage of MECP POI Limit
Potassium silicate	1312-76-1	1.53E-03	AERMOD v. 16216r	2.35E+00	24	5	Health	B2	47.1%
Nitrogen Oxides	10102-44-0	3.21E-02	AERMOD v. 16216r	8.95E+01	1	400	Health	B1	22.4%
Nitrogen Oxides	10102-44-0	3.21E-02	AERMOD v. 16216r	3.53E+01	24	200	Health	B1	17.6%

Notes:

(1) MECP POI Limit listed on the "Air Contaminants Benchmarks (ACB) List: Standards, Guidelines and Screening Levels for Assessing Point of Impingement Concentrations of Air Contaminants" publication dated April 2018
 B1 - Benchmark 1 - Exceedence of a Benchmark 1 concentration triggers specific actions under the Regulation
 B2 - Benchmark 2 - Exceedence of a Benchmark 2 concentration triggers a toxicological assessment to determine the likelihood of adverse effect.