

Table 5
Emission Summary Table - Operating Scenario 1

Contaminant	CAS No	Total Facility Emission Rate (g/s)	Air Dispersion Model Used	Maximum POI Concentration ($\mu\text{g}/\text{m}^3$)	Averaging Period (hr)	MOE POI Limit ($\mu\text{g}/\text{m}^3$)	Limiting Effect	Regulation Schedule #	Percentage of MOE POI Limit (%)
Ethylbenzene	100-41-4	6.83E-03	Reg. 346	6.95E+00	0.5	1400	Odour	2	0.5%
Triethanolamine	102-71-6	6.83E-02	Reg. 346	6.95E+01	0.5	139	-	MaxGLC	50.0%
Mineral Spirits	-	6.75E-01	Reg. 346	6.86E+02	0.5	3000	Odour	2	22.9%
Xylene	1330-20-7	9.57E-02	Reg. 346	9.74E+01	0.5	2200	Health	2	4.4%
Dipropylene Glycol Methyl Ether Acetate	88917-22-0	8.20E-01	Reg. 346	8.35E+02	0.5	9312	-	JSL	9.0%
Cyclohexanone	108-94-1	4.10E-01	Reg. 346	4.17E+02	0.5	576	-	JSL	72.4%
Propylene Glycol Monoethyl Ether Acetate	108-65-6	6.03E-01	Reg. 346	6.14E+02	0.5	5000	Odour	G	12.3%
Toluene	108-88-3	4.10E-03	Reg. 346	4.17E+00	0.5	2000	Odour	2	0.2%
n-Butyl Methacrylate	97-88-1	2.73E-03	Reg. 346	2.78E+00	0.5	1707	-	JSL	0.2%
Isooctyl Acrylate	29590-42-9	3.01E-01	Reg. 346	3.06E+02	0.5	440	-	MaxGLC ⁽⁴⁾	69.5%
Diethylene Glycol Ether Acrylate	7328-17-8								
1,6-Hexanediol Diacrylate	13048-33-4	1.37E-01	Reg. 346	1.39E+02	0.5	278	-	MaxGLC	50.0%
Methanol	67-56-1	6.83E-02	Reg. 346	6.95E+01	0.5	12000	Health	2	0.6%
2-Phenoxyethanol	122-99-6	6.83E-02	Reg. 346	6.95E+01	0.5	204	-	JSL	34.1%
Dipropylene Glycol MonoMethyl Ether	34590-94-8	3.42E-01	Reg. 346	3.48E+02	0.5	4200	-	JSL	8.3%
1,2,4-Trimethylbenzene	95-63-6	1.45E-01	Reg. 346	1.48E+02	0.5	660	Health	2	22.4%
Diacetone Alcohol	123-42-2	1.45E-01	Reg. 346	1.48E+02	0.5	990	Odour	G	14.9%
Dimethyl Glutarate	1119-40-0	2.24E-01	Reg. 346	2.28E+02	0.5	457	-	MaxGLC	50.0%
Dimethyl Succinate	106-65-0	7.29E-02	Reg. 346	7.42E+01	0.5	120	-	JSL	61.9%
Dimethyl Adipate	627-93-0	7.29E-02	Reg. 346	7.42E+01	0.5	120	-	JSL	61.9%
D-Limonene	5989-27-5	7.29E-02	Reg. 346	7.42E+01	0.5	1875	-	JSL	4.0%
Isopropyl Alcohol	67-63-0	2.06E-01	Reg. 346	2.10E+02	0.5	22000	Health	2	1.0%

Notes:

⁽¹⁾ G = Guideline - Taken from the "Summary of Standards and Guidelines to support Ontario Regulation 419: Air Pollution - Local Air Quality" (February 2008).

⁽²⁾ JSL = Jurisdictional Screening Level - Taken from the "Jurisdictional Screening Level (JSL) List - A Screening Tool for Ontario Regulation 419: Air Pollution - Local Air Quality" (February 2008).

⁽³⁾ MaxGLC = Maximum Ground Level Concentration - Approved by the MOE Standards Development Branch as part of the original ECA application.

⁽⁴⁾ MaxGLC applies to a group of three CAS# (29590-42-9, 48145-04-6, and 7328-17-8).