Creemore Springs Brewery Emission Summary Table

Contaminant Name	CAS #	Total Facility Emission Rate (ou/s)	Air Dispersion Model Used	Maximum POI Concentration (units/m^3)	Averaging Period (hours)	MOE POI Limit	Limiting Effect	Regulation Schedule #	Percentage of MOE POI Limit (%)
Odour (Scenario 1 : existing conditions)	NA	671	AERMOD	1.4	0.167	1 ou/m^3	Odour	NA	140%*
Odour (Scenario 1 : includes future expansion)	NA	700	AERMOD	1.4	0.167	1 ou/m^3	Odour	NA	140%*

*1 ou is exceeded less than 0.5% of the time at the worst-case receptor (less than 44 hours in the year) and therefore meets the MOE odour target.

Scorer-Barrett Model for PM and NOx

Contaminant Name	CAS #	Total Facility Emission Rate (ou/s)	Air Dispersion Model Used	Maximum POI Concentration (units/m^3)	Averaging Period (hours)	MOE POI Limit	Limiting Effect	Regulation Schedule #	Percentage of MOE POI Limit (%)
PM	NA	0.06	Scorer-Barrett	47.0	0.5	100	Visibility	2	47%
NOx	10102-44-0	0.11	Scorer-Barrett	67.5	0.5	500	Health	2	14%

Regulation 346 Model for PM and NOx

Contaminant Name	CAS #	Total Facility Emission Rate (ou/s)	Air Dispersion Model Used	Maximum POI Concentration (units/m^3)	Averaging Period (hours)	MOE POI Limit	Limiting Effect	Regulation Schedule #	Percentage of MOE POI Limit (%)
PM	NA	0.06	Reg. 346	14.3	0.5	100	Visibility	2	14%
NOx	10102-44-0	0.11	Reg. 346	26.6	0.5	500	Health	2	5%

Notes:

Since the facility is less than 5 m from the property boundary in some locations, both Reg. 346 and Scorer-Barrett models were assessed.

Reg. 346 dispersion factor: 241.95 ug/m3 at 1 g/s

This Emission Summary Table is posted on the Creemore Springs Website as required by Section 4.2 of Ontario Ministry of Environment Amended Environmental Compliance Approval 1268-924P6C, January 15, 2013