

SASKATCHEWAN AMBIENT AIR QUALITY STANDARDS ($\mu\text{g}/\text{m}^3$)^g

Air Pollutant	1 Hour	8 Hours	24 Hours	Annual
Particulate Matter (PM _{2.5})			28 ^a	10
Particulate Matter (PM ₁₀)			50	
Total Suspended Particulates (TSP)			100	60 ^b
Nitrogen Dioxide (NO ₂)	300 (159 ppb)		200 (106 ppb)	45 ^c (24 ppb)
Sulphur Dioxide (SO ₂)	450 (172 ppb)		125 (48 ppb)	20 ^c (8 ppb)
Hydrogen Sulphide (H ₂ S)	15 (11 ppb)		5 (3.6 ppb)	
Ground Level Ozone (O ₃)	160 (82 ppb)	124 (63 ppb)		
Carbon Monoxide (CO)	15,000 (13,000 ppb)	6,000 (5,000 ppb)		
Ammonia (NH ₃) ^d	1,400 (2,000 ppb)		500 (350 ppb)	
Benzene (C ₆ H ₆) ^e	30 (9 ppb)			3 (0.9 ppb)
Ethylbenzene (C ₆ H ₅ CH ₂ CH ₃) ^e	2,000 (460 ppb)			
Toluene (C ₅ H ₅ CH ₃) ^e	1,880 (499 ppb)		400 (106 ppb)	
Xylenes ((CH ₃) ₂ C ₆ H ₄) ^e	2,300 (530 ppb)		700 (161 ppb)	

Footnotes

- (a) The 3-year average of the annual 98th percentile of the daily 24-hour average concentrations.
- (b) Geometric means.
- (c) Arithmetic means.
- (d) The effective date for ammonia, benzene, ethylbenzene, toluene, and xylenes is January 1, 2027.
- (e) Benzene, ethylbenzene, toluene, and xylenes are adopted from Alberta.
- (f) Ammonia is adopted from Alberta (1 hour standard) and US EPA (24-hour standard).
- (g) This list is not exhaustive and specifically does not support uncontrolled levels of other air contaminants of concern for a project or development. Standards from other jurisdictions for air contaminants that are not included in this document may be accepted with justification.