

Schedule A: Ambient Air Quality Standards

For the purposes of these regulations, ambient air quality standards must be met at and beyond the site boundary.

Pollutant	CAS Registry Number	Averaging period	Maximum Concentration ($\mu\text{g}/\text{m}^3$)	Notes
Acrolein (2-Propenal)	107-02-8	1 hour	4.5 [†]	
		24 hours	0.4 [†]	
Ammonia	7664-41-7	24 hours	100 [†]	
Arsenic	7440-38-2	24 hours	0.3 [†]	From combustion/thermal/manufacturing only
Benzene	71-43-2	annual	0.45 [†]	
Benzo(a)pyrene (as a surrogate of total Polycyclic aromatic hydrocarbons)	(Polycyclic Aromatic Hydrocarbons: 130498-29-2)	annual	0.00001 (0.01ng/m ³) [†]	
Cadmium (and its compounds)	7440-43-9	annual	0.005 [†]	
Carbon monoxide	630-08-0	1 hour	34 600 [‡]	
		1 hour	35 000 [†]	
		8 hours	12 700 [‡]	
		8 hours	10 000 [†]	
Chromium (hexavalent) (and its compounds)	18540-29-9	annual	0.00007 (as PM ₁₀); 0.00014 (as TSP) [†]	
Cobalt (and its compounds)	7440-48-4	24 hours	0.1 [†]	
Copper (and its compounds)	7440-50-8	24 hours	50 [†]	

Pollutant	CAS Registry Number	Averaging period	Maximum Concentration ($\mu\text{g}/\text{m}^3$)	Notes
Dioxins and furans	-	24 hours	0.0000001 (0.1 pg/m^3) [†]	
		annual	0.00000006 (0.06 pg/m^3) [†]	
Formaldehyde (Methanal)	50-00-0	24 hours	65 [†]	
Hydrogen sulphide (H_2S)	7783-06-4	1 hour	42 [‡]	
		24 hours	8 [‡]	
Lead (and its compounds)	7439-92-1	30-day	0.2 [†]	
Manganese (and its compounds)	7439-96-5	24 hours	0.1 (as $\text{PM}_{2.5}$); 0.2 (as PM_{10}); 0.4 (as TSP) [†]	
Mercury	7439-97-6	24 hours	2 [†]	From combustion/ thermal/ manufacturing sources only
Nickel (and its compounds)	7440-02-0	annual	0.02 (as PM_{10}); 0.04 (as TSP) [†]	
Nitrogen dioxide (NO_2)	10102-44-0	1 hour	400 [‡]	Not to be exceeded more than 175 times in a calendar year (98th percentile)
		1 hour	200 [†]	
		annual	100 [‡]	
		annual	30 [†]	
Particles (coarse) (PM_{10})	-	24 hours	50 [†]	

Pollutant	CAS Registry Number	Averaging period	Maximum Concentration ($\mu\text{g}/\text{m}^3$)	Notes
Particles (fine) ($\text{PM}_{2.5}$)	–	24 hours	25 [†]	From combustion/thermal/manufacturing sources only; Not to be exceeded more than 7 times in a calendar year (98th percentile)
		annual	10 [†]	From combustion/thermal/manufacturing sources only
Particles (total suspended) (TSP)	–	24 hours	120	
		annual	70* [‡]	
		annual	60* [†]	
Phenol (and its salts)	108-95-2	1 hour	100 [†]	
		24 hours	30 [†]	
Selenium (and its compounds)	7782-49-2	24 hours	10 [†]	
Sulphur dioxide (SO_2)	7446-09-5	1 hour	900 [‡]	
		24 hours	300 [‡]	
		24 hours	125 [†]	Not to be exceeded more than 7 times in a calendar year (98th percentile)
		annual	60 [‡]	
Total reduced sulphur (TRS)	–	24 hours	7 [†]	
Vanadium (and its compounds)	7440-62-2	24 hours	2 [†]	
		annual	1 [†]	
Zinc (and its compounds)	7440-66-6	24 hours	2.5 [†]	

Notes:

- $\mu\text{g}/\text{m}^3$: micrograms per cubic metre
- ng/m^3 : nanograms per cubic metre
- pg/m^3 : picograms per cubic metre
- Conversions between units should be based on standard temperature and pressure of 25 °C and 1 atmosphere
- *Expressed as a geometric mean
- ‡Effective until May 31, 2030, for all existing approvals and for all approvals issued as a result of the submission of any complete approval application, any complete renewal application or any complete environmental assessment registration submitted on or before May 31, 2026

†For any approval issued on or after June 1, 2026, other than those noted with “‡” above; effective for all approvals issued on or after June 1, 2030