

COMPARATIVE CHART OF 2007 AIR STANDARDS UPDATED FOR 14 TOXICS

Compound	Previous POI	New POI ($\mu\text{g}/\text{m}^3$)	Previous AAQC	New AAQC
n-Butanol	guideline	2,760	guideline	920 (24-hr)
Cadmium & Cd compounds	5.0	0.075	2.0 (24-hr)	0.005 (annual) 0.025 (24-hr)
Chlorine dioxide	85	6	30 (24-hr)	2.0 (24-hr)
Chloroethane	none	16,800	none	5,600 (24-hr)
1,1- Dichloroethane	guideline	495	guideline	165 (24-hr)
Ethylene oxide	guideline	0.6	guideline	0.04 (annual) 0.2 (24-hr)
Isobutanol	guideline	13,800	guideline	4,600 (24-hr)
Lead & Pb compounds	6.0	1.5	0.7 (30-day) 2 (24 hr)	0.2 (30-day) 0.5 (24-hr)
Methyl chloride	guideline	960	guideline	320 (24-hr)
Phosphoric Acid	100	21	120 (24-hr)	7.0 (24-hr)
Propylene	none	12,000	none	4,000 (24-hr)
Sulphuric Acid	100	15	35 (24-hr)	5.0 (24-hr)
Total Reduced Sulphur (TRS) & compounds ¹	20 - 40	10	guideline	7.0 (24-hr) 13 (10-min)
Trimethylbenzene isomers ²	none	660	none	220 (24-hr)

Note 1: the previous POIs for TRS compounds are: hydrogen sulphide, $30 \mu\text{g}/\text{m}^3$; mercaptans, $20 \mu\text{g}/\text{m}^3$; dimethyl sulphide (DMS), $30 \mu\text{g}/\text{m}^3$; and dimethyl disulphide (DMDS), $40 \mu\text{g}/\text{m}^3$; in addition, there are separate AAQCs for the pulp and paper sector and 10-minute odour-based standards for DMS and DMDS.

Note 2: the new standard covers 1,2,3-TMB, 1,2,4-TMB, and 1,3,5-TMB; 1,2,4-TMB was previously covered by a guideline.