

**AIR QUALITY OBJECTIVES AND STANDARDS**  
( $\mu\text{g}/\text{m}^3$ )

Contaminant	Averaging Period	Canada maximum desirable	Canada maximum acceptable	Canada maximum tolerable	B.C. level A	B.C. level B	B.C. level C
<b>carbon monoxide</b>	1 hour	15000	35000		14300	28000	35000
	8 hour	6000	15000	20000	5500	11000	14300
<b>formaldehyde</b>	1 hour				<b>Action Level = 60</b> <b>Episode Level = 370</b>		
<b>hydrogen sulphide</b>	1 hour	1	15		7.5-14	28-45	42-45
	24 hour		5		4	6-7.5	7.5-8
<b>lead</b>	24 hour				4	4	6
	30 day geometric mean						
	quarterly annual geometric mean				2	2	3
<b>nitrogen dioxide</b>	1 hour		400	1000			
	24 hour		200	300			
	annual arithmetic mean	60	100				
<b>ozone</b>	1 hour	100	160	300			
	24 hour	30	50				
	annual arithmetic mean		30				
<b>PM10</b>	24 hour					50	
<b>sulphur dioxide</b>	1 hour	450	900		450	900	900-1300
	3 hour				375	665	
	24 hour	150	300	800	160	260	360
	annual arithmetic mean	30	60		25	50	80
<b>total reduced sulphur</b>	1 hour				7	28	
	24 hour				3	6	
<b>total suspended particulate</b>	24 hour		120	400	150	200	260
	annual geometric mean	60	70		60	70	75

**Canada-wide Standards Established in 2000**

<b>PM2.5</b>	24 hour	30 $\mu\text{g}/\text{m}^3$ *
<b>ozone</b>	8-hour daily max.	65 ppb **

# based on annual 98<sup>th</sup> percentile value, averaged over 3 consecutive years; \*\* based on 4<sup>th</sup> highest annual value, averaged over 3 consecutive years

**Ambient Air Quality Objectives Established in 2009**

<b>PM2.5</b>	24 hour	Air Quality Objective: 25 $\mu\text{g}/\text{m}^3$ *
	annual arithmetic mean	Air Quality Objective: 8 $\mu\text{g}/\text{m}^3$
	annual arithmetic mean	Planning Goal : 6 $\mu\text{g}/\text{m}^3$

\* based on annual 98<sup>th</sup> percentile value,