

## **Agenda Item No. 2 (c)**

### **The Punjab Environmental Quality Standards for Ambient Air**

Pollutant	Time-weighted average	Concentration in Ambient Air	Method of measurement
Sulfur Dioxide (SO <sub>2</sub> )	Annual Average*	80 µg/m <sup>3</sup>	Ultraviolet Fluorescence method
	24 hours**	120 µg/m <sup>3</sup>	
Oxides of Nitrogen as (NO)	Annual Average*	40 µg/m <sup>3</sup>	Gas Phase Chemiluminescence
	24 hours**	40 µg/m <sup>3</sup>	
Oxides of Nitrogen as (NO <sub>2</sub> )	Annual Average*	40 µg/m <sup>3</sup>	Gas Phase Chemiluminescence
	24 hours**	80 µg/m <sup>3</sup>	
O <sub>3</sub>	1 hour	130µg/m <sup>3</sup>	Non dispersive UV absorption method
Suspended Particulate Matter (SPM)	Annual Average*	360µg/m <sup>3</sup>	High Volume Sampling, (Average flow rate not less than 1.1 m <sup>3</sup> /minute)
	24 hours**	500µg/m <sup>3</sup>	
Respirable Particulate Matter PM <sub>10</sub>	Annual Average*	120µg/m <sup>3</sup>	β Ray absorption method
	24 hours**	150µg/m <sup>3</sup>	
Respirable Particulate Matter PM <sub>2.5</sub>	Annual Average*	15µg/m <sup>3</sup>	β Ray absorption method
	24 hours**	35µg/m <sup>3</sup>	
	1 hour	15µg/m <sup>3</sup>	
Lead (Pb)	Annual Average*	1 µg/m <sup>3</sup>	ASS Method after sampling using EPM 2000 or equivalent Filter paper
	24 hours**	1.5µg/m <sup>3</sup>	
Carbon Monoxide (CO)	8 hours**	5 mg/m <sup>3</sup>	Non Dispersive Infra Red (NDIR) method
	1 hour	10 mg/m <sup>3</sup>	

\* Annual arithmetic mean of minimum 104 measurements in a year taken twice a week 24 hourly at uniform interval.

\*\* 24 hourly /8 hourly values should be met 98% of the in a year. 2% of the time, it may exceed but not on two consecutive days.