



Ministry of  
Environment and  
Climate Change Strategy

# 2017 Air Quality Measurements in Kamloops Presented to the Air Quality Roundtable July 18th, 2018

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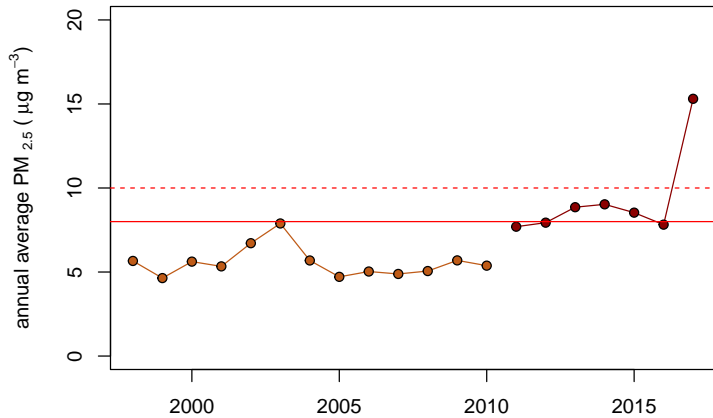
## Summary

- ▶ The wildfires of 2017 had a major impact on air quality in Kamloops. Both the magnitude and duration of elevated levels were unprecedented.
- ▶ The objectives for  $PM_{2.5}$  were exceeded by large margins in 2017 due to the wildfires. However, when the effects of wildfires are removed, Kamloops has met all objectives for the last several years.
- ▶ TRS (pulp mill odours) are far below the levels observed in Prince George, and comparable to those observed in Quesnel and Castlegar. However, there appears to have been an increase in the number of exceedances in 2017.
- ▶  $O_3$ ,  $NO_2$  and  $SO_2$  levels remain well below objectives levels and no apparent trend is evident.

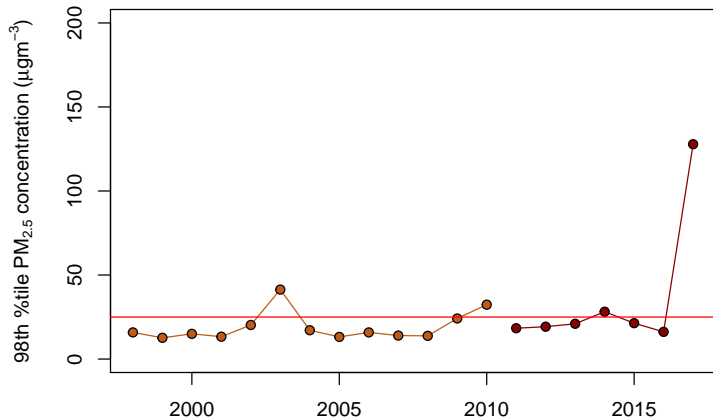
## Air Quality objectives used in airshed

Contaminant	Avg. Period	Objective	Source	Date
PM <sub>2.5</sub>	annual	8 <sup>1</sup>	BCAQO	2009
		10 <sup>2</sup>	CAAQS	2013
	24 hr.	25 <sup>3</sup>	BCAQO	2009
		28 <sup>4</sup>	CAAQS	2013

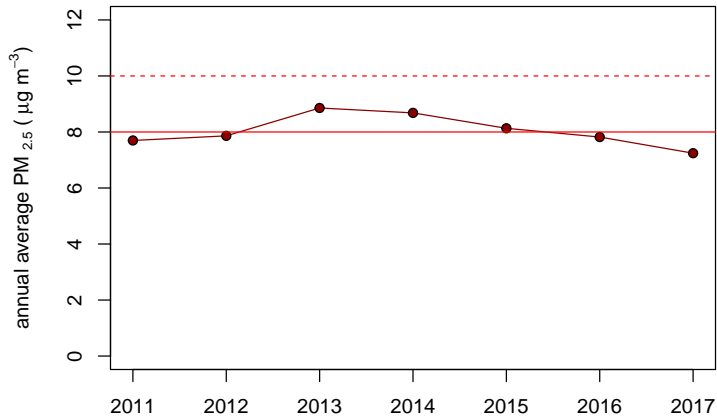
# Annual Average PM<sub>2.5</sub>



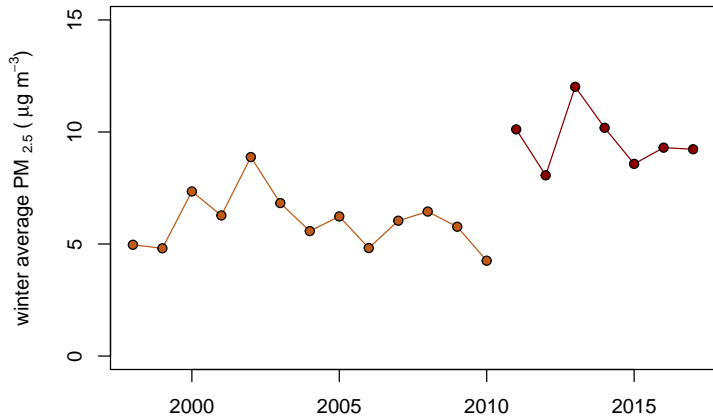
## 98th %tile of daily PM<sub>2.5</sub>



## Annual Average PM<sub>2.5</sub> fires removed



## Winter (Dec-Feb) average PM<sub>2.5</sub>



## TRS exceedances (hours above 5ppb per year)

