

# Clem7 in-tunnel air quality

## Monthly trend report – November 2019

The table below sets out the in-tunnel air quality criteria for the Clem7 tunnel as set out in the Environmental Authority (EPPR02587314).

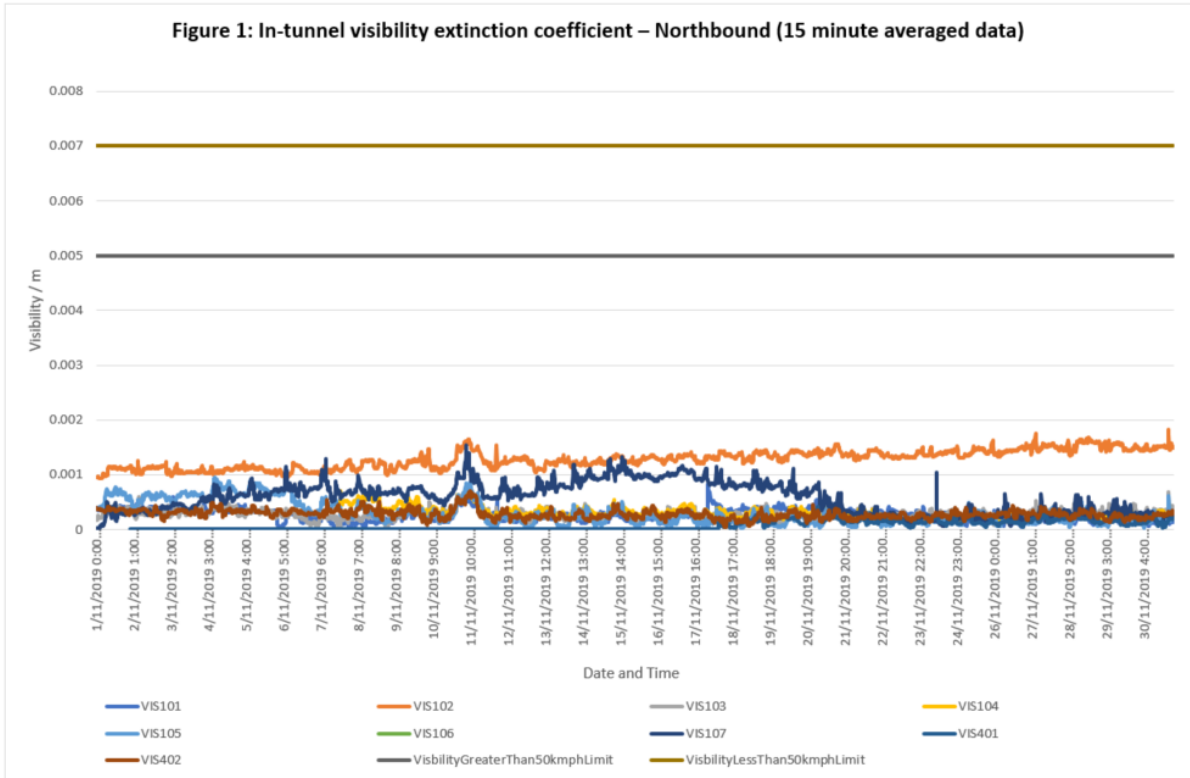
Table 1: In-tunnel air quality criteria

Parameter	Criteria
Carbon monoxide (CO)	70 ppm generally 90 ppm in peak traffic congestion
Nitrogen dioxide (NO <sub>2</sub> )	1 ppm (average)
Visibility coefficient (K)	0.005 m <sup>-1</sup> for free flowing traffic (greater than 50km/hr) 0.007 m <sup>-1</sup> otherwise

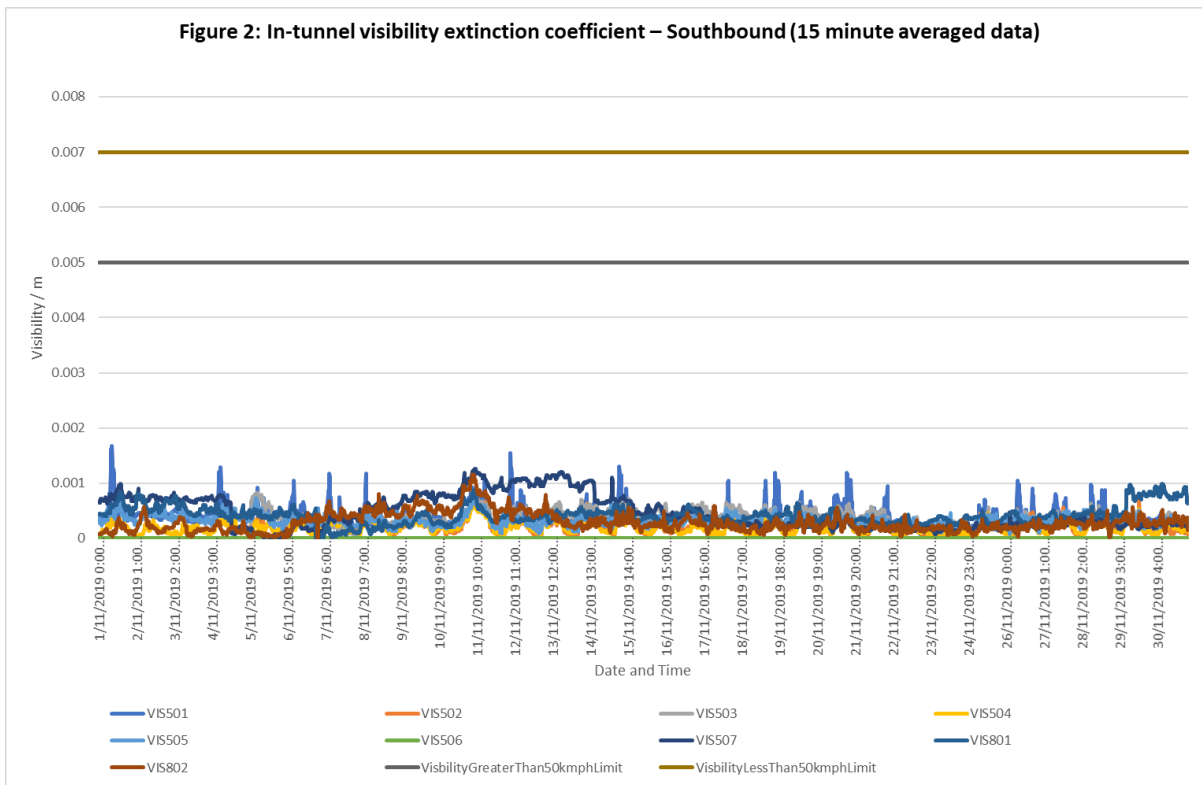
Notes:

1. Monitoring and measuring protocols for each criteria as set out in the PIARC guidelines, as current December 2012.
2. Tunnel sensor average concentrations reported for Carbon Monoxide and Nitrogen Dioxide.
3. Peak traffic congestion occurs when traffic flows are less than 10 km/h.
4. Visibility coefficient (K-value) may fluctuate with peak conditions.

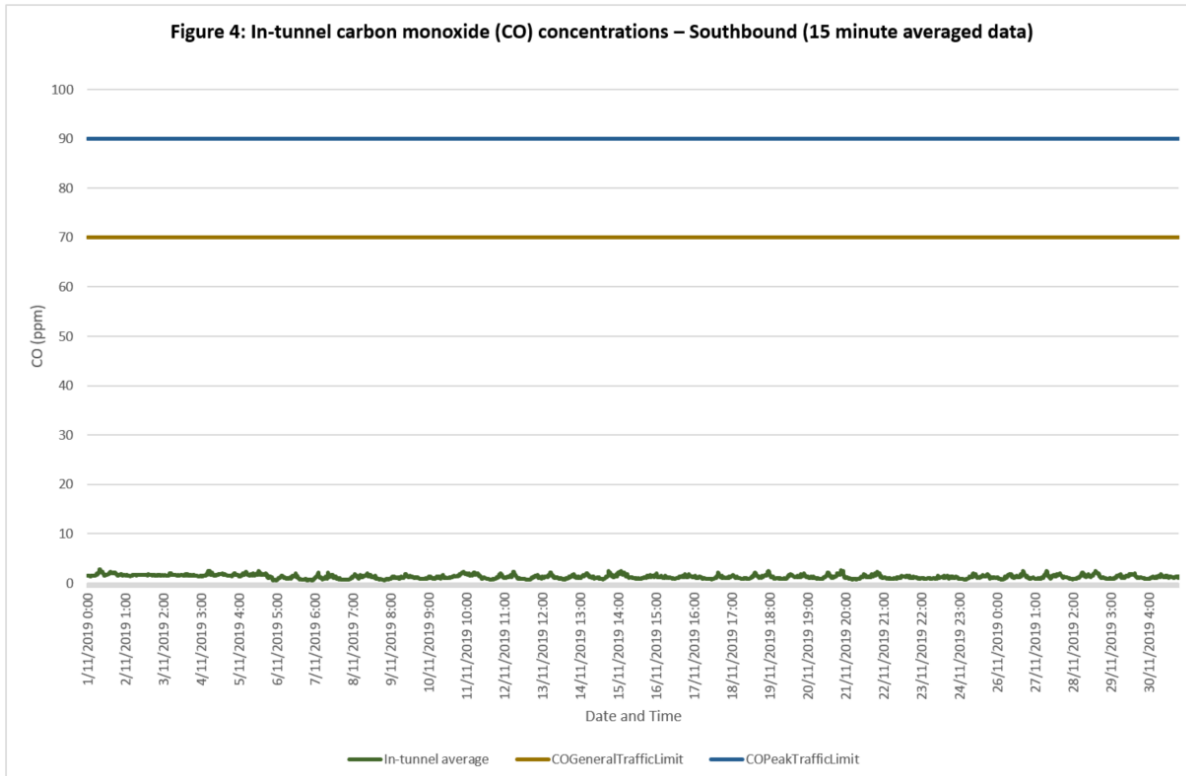
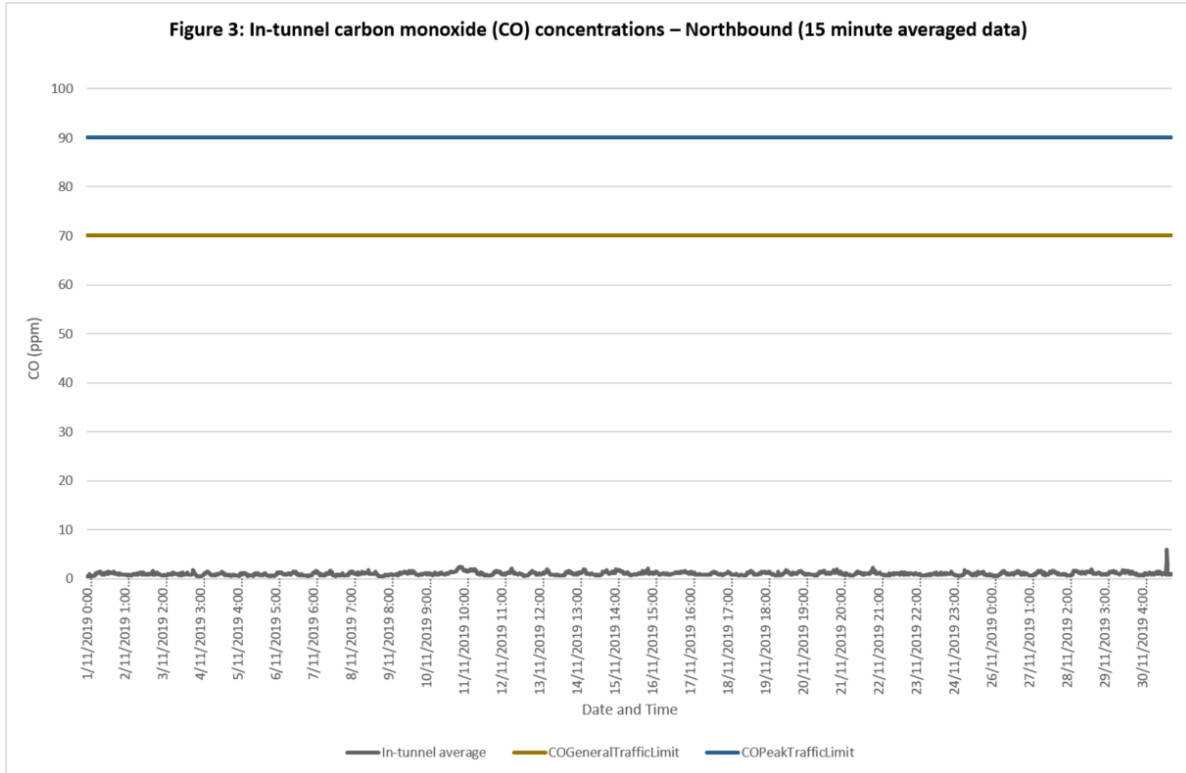
## Visibility



Note: VIS102 is scheduled for maintenance during the next maintenance closure to investigate elevated baseline levels. VIS104 and VIS106 data invalidated due to erratic readings.



## Carbon monoxide



## Nitrogen dioxide

