

# Legacy Way in-tunnel air quality

## Monthly trend report – September 2018

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

- For the month of September 2018 no notable trends have emerged.

Table 1: In-tunnel air quality criteria

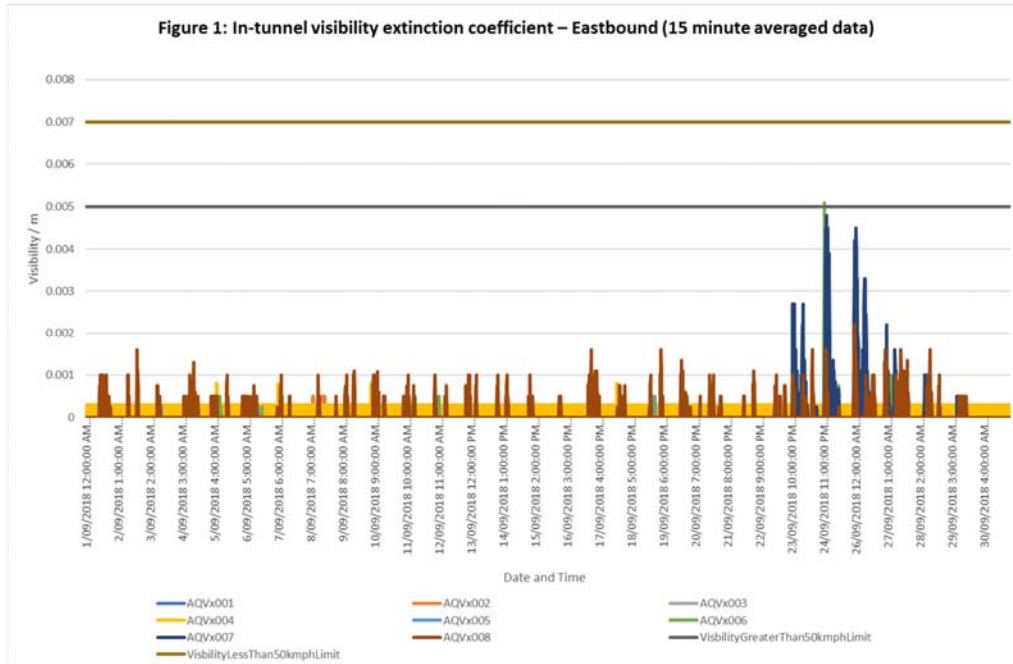
Parameter	Criteria
Carbon monoxide (CO)	70 ppm generally 90 ppm in peak traffic congestion
Nitrogen dioxide (NO <sub>2</sub> )	1 ppm (average)
Visibility coefficient (K)	0.005 m <sup>-1</sup> for free flowing traffic (greater than 50km/hr) 0.007 m <sup>-1</sup> otherwise

Notes:

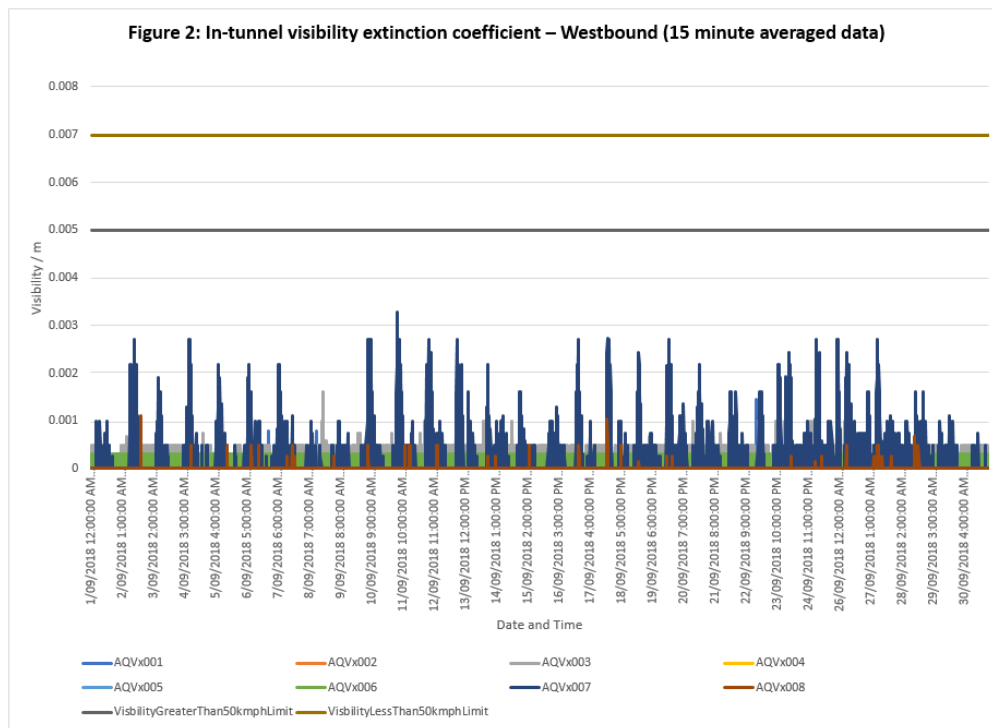
1. Monitoring and measuring protocols for each criteria as set out in the PIARC guidelines, as current December 2009.
2. Peak traffic congestion occurs when traffic flows are less than 10 km/h.
3. Visibility coefficient (K-value) may fluctuate with peak conditions.

LEGACY WAY IN-TUNNEL AIR QUALITY

Visibility

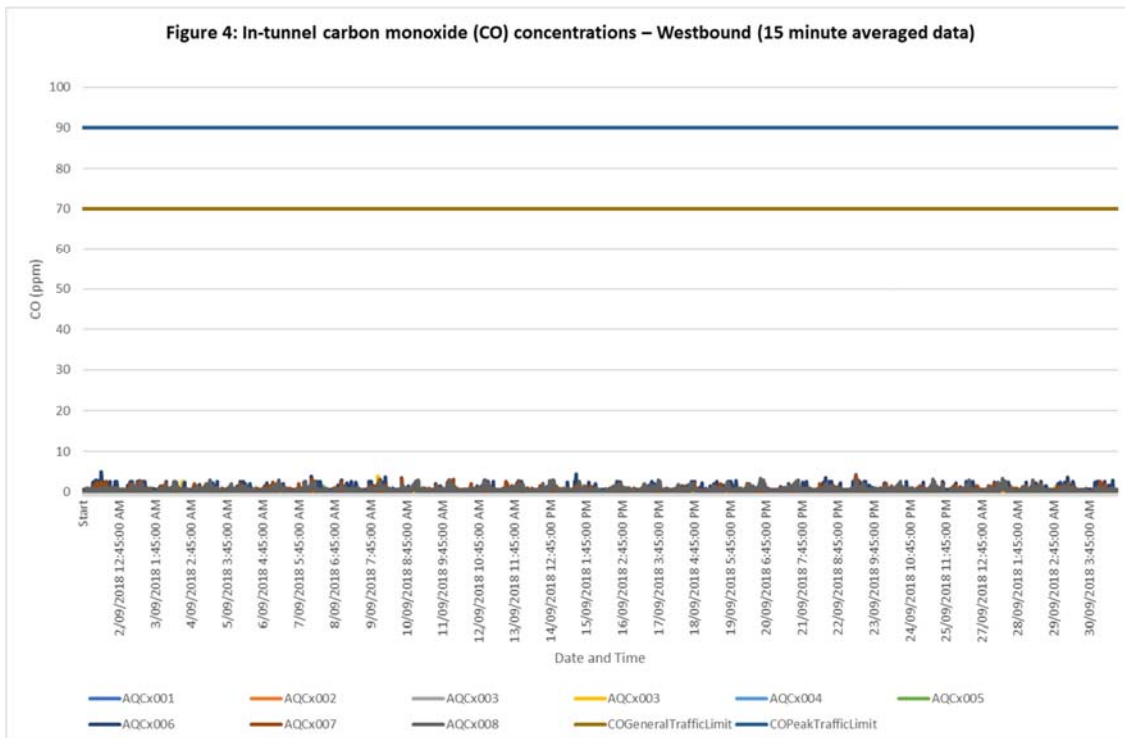
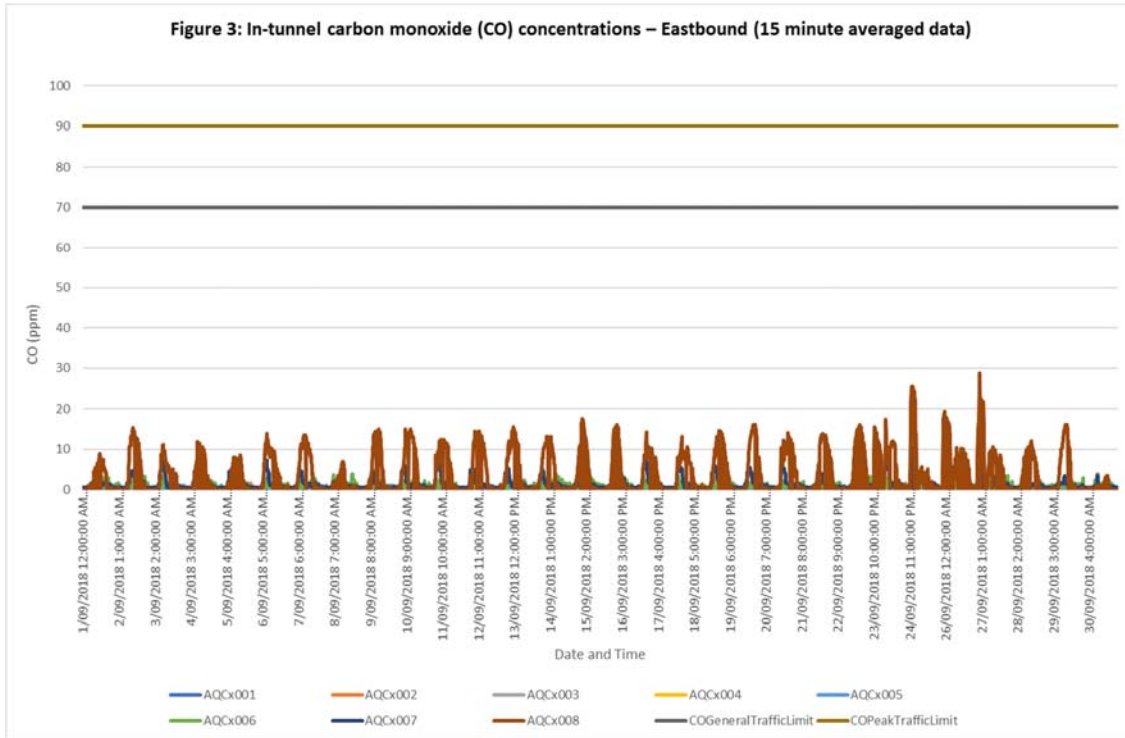


Note: The value of 0.0051 / m for sensor AQVx006 was recorded on 24/09/2018 at approximately 11:30pm. This occurred during a tunnel closure for maintenance works. The value is compliant with the specified criteria for periods when traffic is not free flowing. No members of the public were accessing the tunnel during this time.



LEGACY WAY IN-TUNNEL AIR QUALITY

Carbon monoxide



# LEGACY WAY IN-TUNNEL AIR QUALITY

## Nitrogen dioxide

