

CLEM7 in-tunnel air quality

Monthly trend report – July 2018

The table below sets out the in-tunnel air quality criteria for the Clem 7 tunnel as set out in the Coordinator General's Report.

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

Table 1: In-tunnel air quality criteria

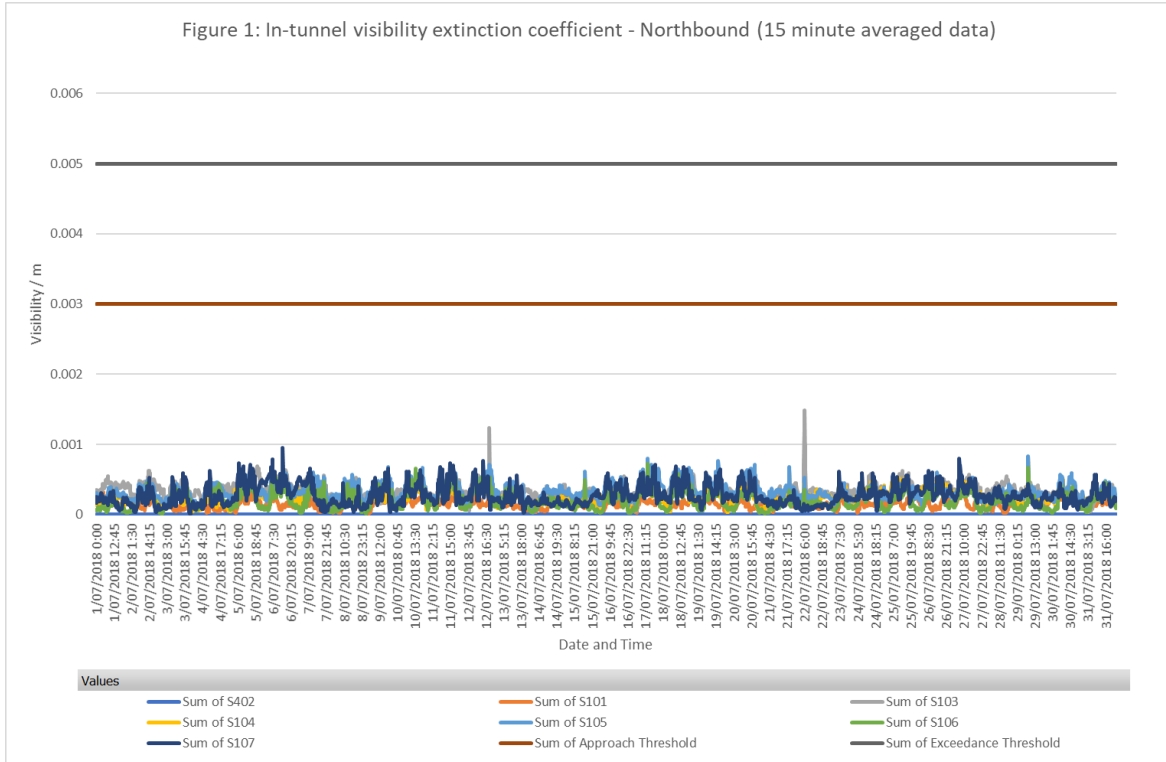
Parameter	Criteria
Carbon monoxide (CO)	70 ppm generally 90 ppm in peak traffic congestion
Nitrogen dioxide (NO ₂)	1 ppm (average)
Visibility coefficient (K)	0.005 m ⁻¹ for free flowing traffic (greater than 50km/hr) 0.007 m ⁻¹ otherwise

Notes:

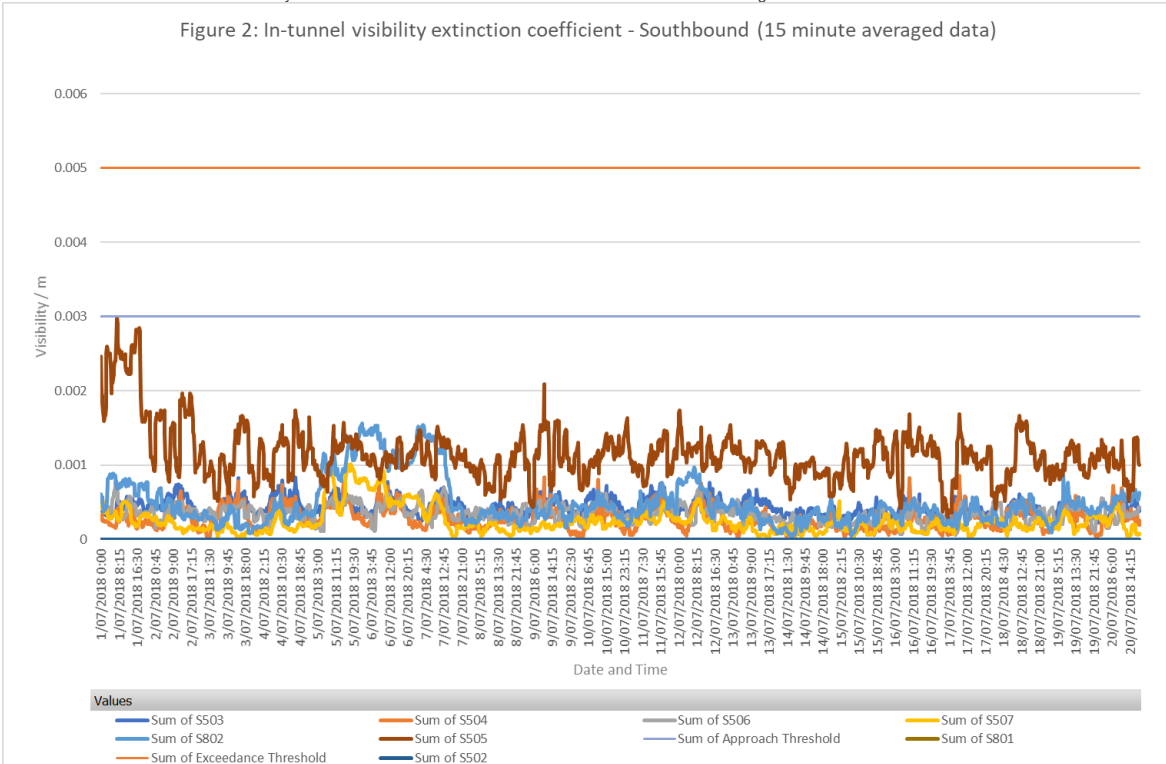
1. Monitoring and measuring protocols for each criteria as set out in the PIARC guidelines, as current December 2009.
2. Peak traffic congestion occurs when traffic flows are less than 10 km/h.
3. Visibility coefficient (K-value) may fluctuate with peak conditions.

CLEM7 IN-TUNNEL AIR QUALITY

Visibility



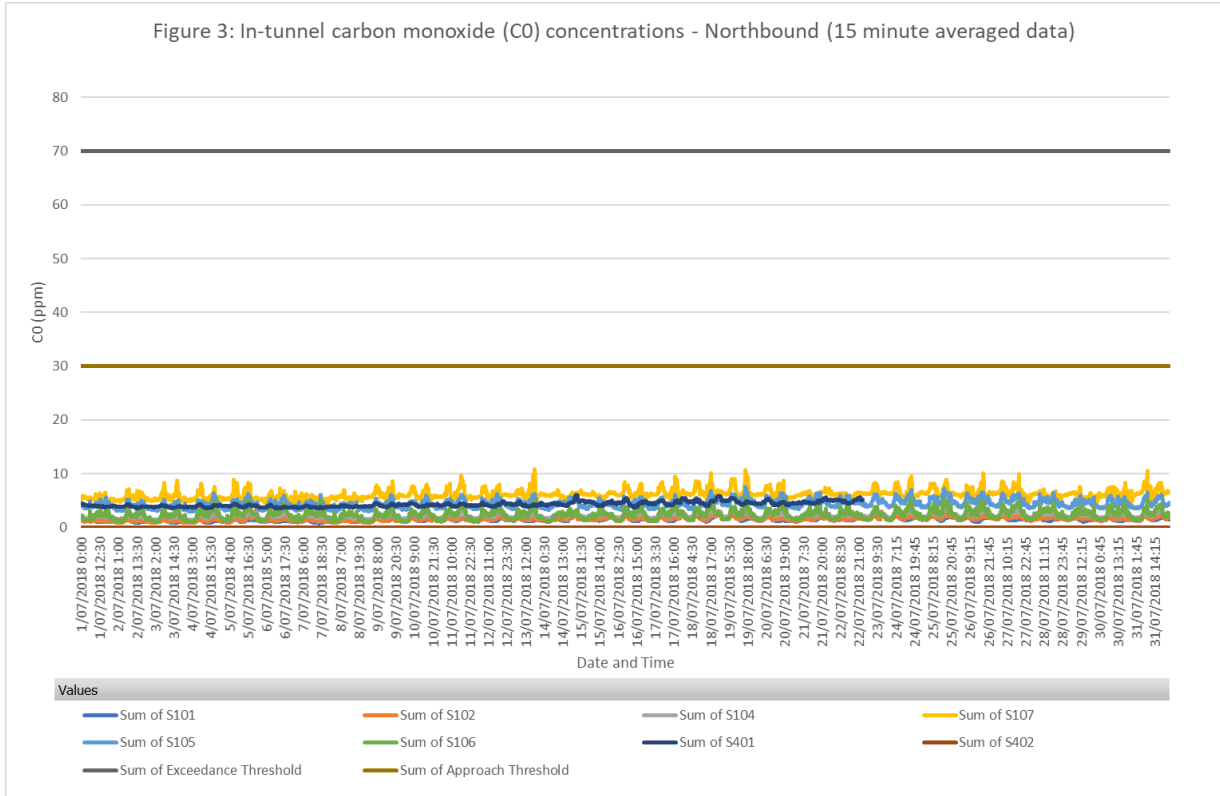
S402 is removed from the tunnel for refurbishment. No data available for this instrument. Scheduled for re-installation in August tunnel closure.
 S102 data has been invalidated for July due to instrument fault. Corrective maintenance scheduled for August closure.
 S401 data has been invalidated for July due to instrument fault. Corrective maintenance scheduled for August closure.



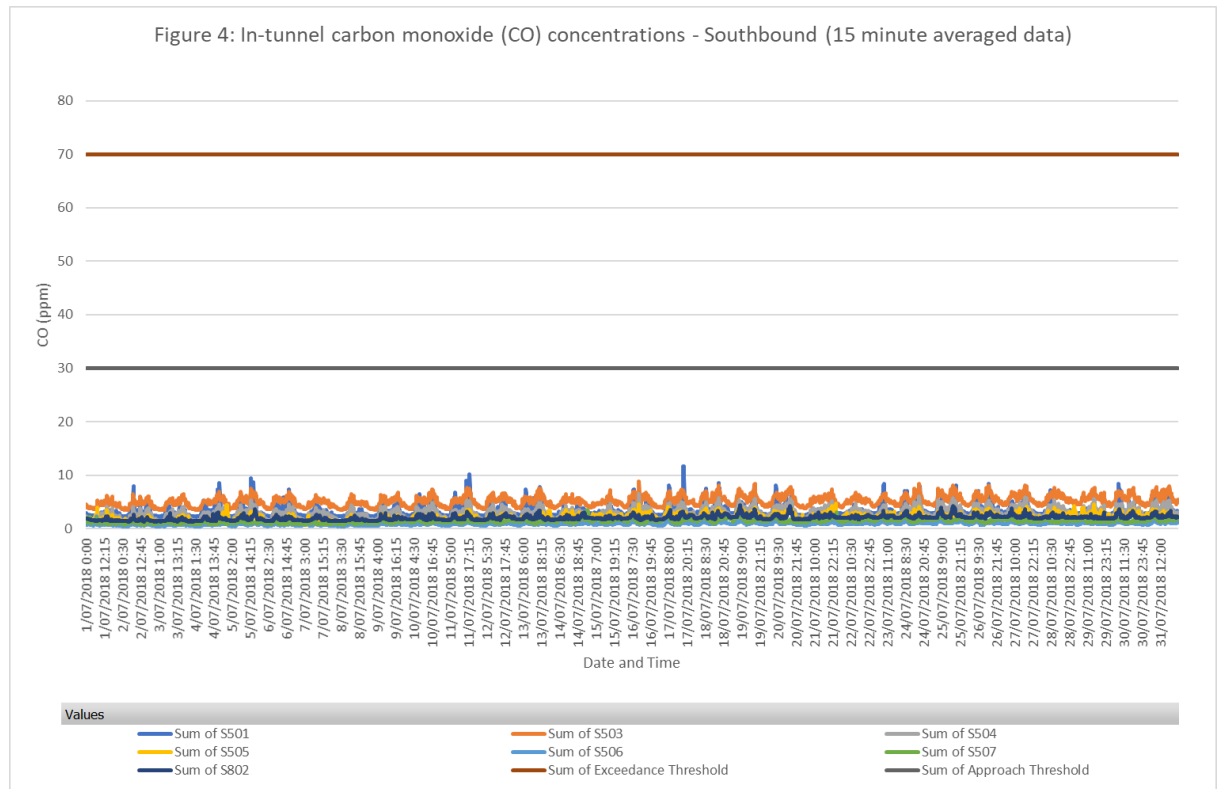
S501 data has been invalidated for June due to instrument fault. Corrective maintenance scheduled for August closure.
 S502 has been removed from the tunnel for refurbishment. No data available. Sensor scheduled to be re-installed in August closure.
 S801 has been removed from the tunnel for refurbishment. No data available. Sensor scheduled to be re-installed in August closure.
 Data from 20/7/2018 to 31/7/2018 was unable to be published at the time of generating this report due to IT access limitations. The trend will be published as soon as the data is able to be downloaded. Please note that data can still be viewed in the operations system, and that no exceedances have occurred.

CLEM7 IN-TUNNEL AIR QUALITY

Carbon monoxide



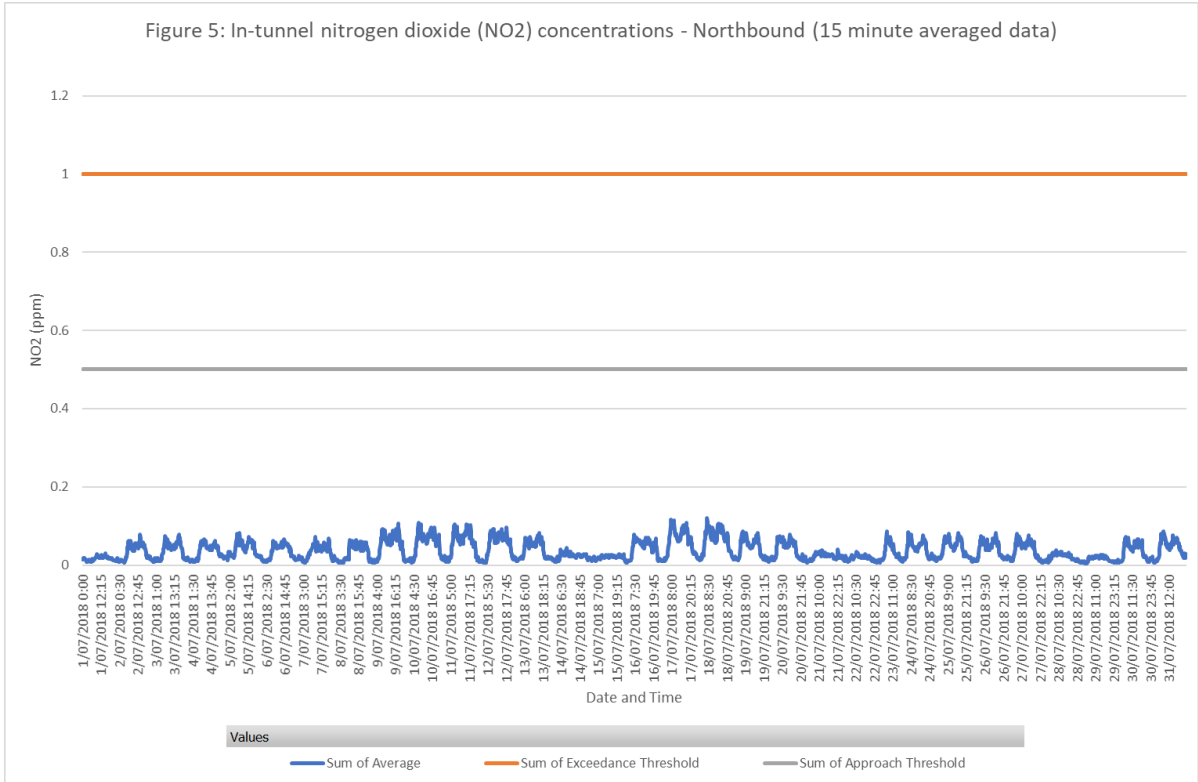
S401 data invalidated from 23rd to 31st July due to instrument fault. Instrument scheduled for corrective maintenance in August closure.
 S402 removed from tunnel for refurbishment. No data available. Instrument scheduled to be re-installed in August closure.
 S103 data invalidated for July due to instrument fault. Investigation performed and corrective maintenance scheduled for August closure.



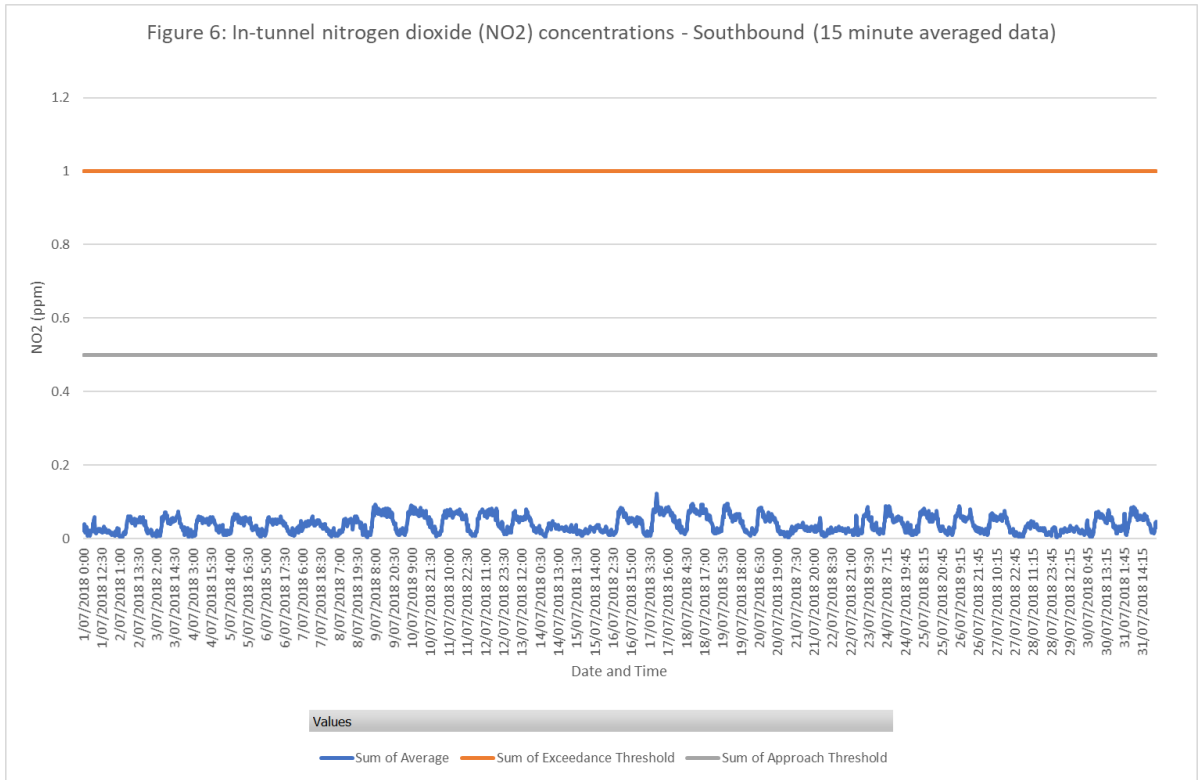
S502 and S801 removed from the tunnel for refurbishment. No data available. Instruments scheduled to be re-installed in August closure.

CLEM7 IN-TUNNEL AIR QUALITY

Nitrogen dioxide



S402 removed from tunnel for refurbishment. No data available. Scheduled for re-installation in August closure.



S502 and S801 removed from tunnel for refurbishment. No data available. Sensors scheduled for re-installation in August closure. S501 data invalidated for July due to instrument fault. Sensor scheduled for corrective maintenance in August closure.