

**Notification of In-Tunnel above-limit reading**

WestConnex M4 East

To be notified immediately to Project Company and RMS. Project Company is to notify DPE, EPA and NSW Health within 24 hours.

<b>Date</b>	4 <sup>rd</sup> December 2019	
<b>Time (start and finish)</b>	1315 – 1545 hrs	
<b>Relevant location within the tunnel</b>	Eastbound and Westbound	
<b>Relevant limit</b>	<input type="checkbox"/> CO – Rolling 15-minute average of 87 ppm	
	<input type="checkbox"/> CO – Rolling 30-minute average of 50 ppm	
	<input type="checkbox"/> CO – Rolling 3-minute average of 200 ppm (single point)	
	<input checked="" type="checkbox"/> NO <sub>2</sub> – Rolling 15-minute average of 0.5 ppm	
	<input type="checkbox"/> Visibility – Rolling 15-minute average of 0.005 m <sup>-1</sup>	
<b>Above-limit reading</b> Detail the above-limit reading that was received	Eastbound: 1.153 Westbound: 1.120	
<b>Duration</b> Detail the duration of the above- limit reading or event	2 hours 30 minutes	
<b>Nature of event</b> Detail nature of the event that contributed to the above- limit reading	Hazardous smoke levels were recorded across the Sydney basin during the time of the exceedance. Initial investigations have shown the high ambient smoke levels are interfering with in tunnel NO <sub>2</sub> sensors. Ventilation outlet monitoring of NO <sub>2</sub> remained well below the 2.0 mg/m <sup>3</sup> limit. At the time of in-tunnel above limit reading, both ventilation outlet NO <sub>2</sub> levels recorded readings of below 0.25g/m <sup>3</sup> . As the AQS in tunnel are different to the ventilation outlet, it is thought smoke interference is the primary driver for the high readings.	
<b>Was the data valid?</b> If unknown at this stage, please indicate.	Unknown at this stage	
<b>Was there an emergency?</b> Refer section 6.5 of this Plan. If this is unknown at this stage, please indicate.	No.	
<b>Measures employed</b> Detail measures employed to minimise the concentration levels	The tunnel ventilation system automatically responded to increasing levels. The system continues to be monitored.	
<b>Commitment to prepare and submit a Tunnel Air Quality Management Systems Effectiveness Report</b>		
A Report on Above-limit Reading will be prepared following any request by the Secretary in accordance with E7 for this notification. Please note that a Report is not required in the event of an emergency.		
<b>Person responsible for notification</b>	Name	Peter Redwin
	Position	Head of Operations and Maintenance
	Organisation	WestConnex Transurban