

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.

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|--|---|------------------------------------|
| Date | 10 th December 2019 | |
| Time (start and finish) | 1000 – 1345 hrs | |
| Relevant location within the tunnel | Eastbound and Westbound | |
| Relevant limit | <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 ₂ – Rolling 15-minute average of 0.5 ppm | |
| | <input type="checkbox"/> Visibility – Rolling 15-minute average of 0.005 m ⁻¹ | |
| Above-limit reading Detail the above-limit reading that was received | Eastbound: 1.403 Westbound: 1.573 | |
| Duration Detail the duration of the above- limit reading or event | 3 hours 45 minutes | |
| Nature of event 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 ₂ sensors. Ventilation outlet monitoring of NO ₂ remained well below the 2.0 mg/m ³ limit. At the time of in-tunnel above limit reading, both ventilation outlet NO ₂ levels recorded readings of below 0.40g/m ³ . As the AQS in tunnel are different to the ventilation outlet, it is thought smoke interference is the primary driver for the high readings. | |
| Was the data valid? If unknown at this stage, please indicate. | Unknown at this stage | |
| Was there an emergency? Refer section 6.5 of this Plan. If this is unknown at this stage, please indicate. | No. | |
| Measures employed Detail measures employed to minimise the concentration levels | The tunnel ventilation system automatically responded to increasing levels. The system continues to be monitored. | |
| Commitment to prepare and submit a Tunnel Air Quality Management Systems Effectiveness Report | | |
| 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. | | |
| Person responsible for notification | Name | Peter Redwin |
| | Position | Head of Operations and Maintenance |
| | Organisation | WestConnex Transurban |