



negocio resolutions

COMMUNICATE INNOVATE COLLABORATE FACILITATE NEGOTIATE MEDIATE EDUCATE

M4 East Air Quality Community Consultative Committee– Meeting 2

- Meeting:** M4 East Air Quality Community Consultative Committee
- Date:** Tuesday, 14 November 2017
- Time:** Arrive at 5:45pm for 6.00pm
- Location:** Canada Bay Club
4 William Street,
Five Dock NSW
- Attendees:** Independent Chair
Notetaker
Sydney Motorway Corporation Representatives (SMC)
CSJ
Canada Bay Council Representative
Roads & Maritime Representatives
Community Members
Stephen Lancken
Zeynep Selcuk
- Apologies** Inner West Council Representative
Strathfield Council Representative

Meeting Notes

Key Matters Discussed and Presented

WELCOME AND INTRODUCTIONS

1. Welcome and introduction by Independent Chair (IC)
2. Apologies noted

UPDATE ON THE LOCATIONS ON AIR MONITORING STATIONS

1. Update on the locations of the Air Monitoring Stations by SMC
2. Questions and Comments:
 - i. A comment was made that residents of Canada Bay contacted the Canada Bay Council with concerns about possible noise impacts and the locations of air monitoring stations. These concerns were resolved in consultation with SMC.
 - ii. Council representatives requested they be provided with the Project info line and email, so they can pass on to residents if contacted.
 - SMC will provide Project info line and email to Councils representatives
 - iii. Local Council Representatives requested that SMC pass on any concerns or complaints made by the residents of their councils.
 - SMC log all calls and emails received about the project. SMC will pass on resident concerns to the appropriate Councils if and when they arise.
 - ii. The following locations were agreed to by the AQCCC in accordance with condition E8 of the Conditions of Approval.
 - Haberfield Public School, Haberfield
 - Ramsay Street near Martin Street, Haberfield
 - Concord Oval, Concord
 - St Luke's Park, Concord
 - Allen Street Reserve at Pomeroy Street, Homebush
 - Powell's Creek, Concord

INTRODUCTION TO AIR MONITORING

1. Introduction to air quality presented by SMC
2. Questions and Comments

- i. Could changes in PM_{2.5} emissions be recorded at the ventilation outlets if motorists choose to use major surface roads instead of using the tunnel?
 - It is possible. Some motorists will use the WestConnex tunnels, thereby reducing surface road traffic emissions through reduced traffic.
 - Please see [attached presentation](#)
- ii. What determines the spacing of the ventilation outlets
 - The spacing of ventilation outlets are determined by air quality limits inside the tunnel. When the in-tunnel air quality limits are reached in long tunnels, the air is removed at an outlet and replaced with fresh air.
 - The Conditions of Approval define the locations of the outlets and are available at:
 - <https://majorprojects.instrumentofapproval.pdf>
- iii. Why is the ventilation outlet in Rozelle larger than ventilation outlets at other locations?
 - Unlike other ventilation outlets, the ventilation outlet in Rozelle is a conversion point for several major roads including of the M4, M5 and the Iron Cove Link.
 - A larger ventilation outlet will also cater for the future Western Harbour Tunnel.
- iv. Why are air filtration systems not used in Australian ventilation outlets?
 - Filtration systems do not show a measurable difference in improving air quality
 - Less than 100 tunnels out of 10,000+ tunnels around the world use filtration systems in ventilation outlets. Some examples where filtration systems were adopted to the ventilation outlets include:
 - Norway – it was adopted to manage additional emissions from studded tyres. Studded tyres are designed for use in snowy or icy road conditions. Studded tyres abrade asphalt or concrete surface resulting in higher emissions.
 - Spain - filtration systems were installed in 50kms of tunnels for political reasons. The filtration systems were never activated.
 - Refer to the Chief Scientist and Engineers assessment of tunnel air filtration systems: http://www.chiefscientist.nsw.gov.au/_data/assets/pdf_file/0008/54791/Road-Tunnels_TP08_Options_for_treating_road_tunnel_emissions.pdf
- v. Do ventilation systems without filtration re-distribute pollution?
 - Yes, however, modelling suggests that the tunnels will not negatively impact pollution levels. Please refer to attached presentation.
 - The purpose of the Air Quality monitoring stations is to measure and monitor air quality before and after the operation of tunnels. It is expected that the data will show that the tunnels will reduce pollution because of the reduction in surface traffic near the monitoring stations.
- vi. What happens if ambient air quality exceeds the goals or targets?

- The Proponent must report any above goal reading to the to the Secretary of the Department of Planning detailing the cause and major contributor of the exceedance and the options available to prevent recurrence.
- vii. Does construction dust affect levels of PM₁₀ in the air?
- Construction dust is generally much larger than PM₁₀
 - The air monitoring stations are not provided to measure construction dust.
 - Construction dust is measured using a different system that utilizes Funnel Bottle measuring total solids.
 - The impact of construction is not within the scope of the AQCCC.
- viii. Will there be a reduction of soot once the tunnels are in operation?
- It is expected that the WestConnex M4 East Tunnels will reduce traffic on surface roads thereby reducing overall pollution levels from surface roads.
 - Trucks are the primary producers of soot. While trucks continue to use surface roads, the trucks will continue to produce soot.
- ix. Will smoky vehicles be monitored in the WestConnex M4 East Tunnels?
- Yes. Through the use of a smoky vehicle camera system.
 - The smoky vehicle camera system is designed to detect, identify and record smoky vehicles using smoke detectors, video and still cameras to detect the vehicles.
 - RMS will monitor the number of smoky vehicles and pass the information to the Environment Protect Authority (EPA) that will issue infringements to offending vehicles.
 - The public can report smoky vehicles directly to the EPA. For more information please visit: <http://www.epa.nsw.gov.au/your-environment/air/reducing-motor-vehicle-emissions/reporting-smoky-vehicles>

AMBIENT AIR QUALITY MONITORING AND THE DISSEMINATION OF AIR MONITORING DATA

1. Presentation on monitoring and dissemination of Air Monitoring Data by CSJ
 - i. As stipulated in section E8 of the Conditions of Approval, the establishment and operation of the stations is undertaken in accordance with recognized Australian Standards and undertaken by an organisations accredited by NATA for this purpose in consultation with the AQCCC.
 - After a tender process, EcoTech Pty Ltd was presented to the AQCCC as a suitable specialist organisation that meet the requirements in the Conditions of Approval.
 - ii. Section E8 of the Conditions of Approval stipulate that the air monitoring results must be subject to an independent audit at six-monthly intervals. The Auditor must be approved by the Secretary of the Department of Planning in consultation with the AQCCC.
 - The Project proposed to engage Air Noise Environment Pty Ltd (ANE) to provide independent auditing services.

- iii. Section B9(d) of Conditions of Approval stipulate that the Proponent must provide advice on the dissemination of air monitoring results and other information on quality issues.
- Section E8 stipulates that the air monitoring results must be publicly available.
 - Section B9(d) of Conditions of Approval stipulate that the Proponent must provide advice on the dissemination of air monitoring results and other information on quality issues.
 - The AQCCC were presented with a webpage design as an example of how the data may be presented.

2. Questions, Comments and Decisions:

i. The AQCCC commented that:

- the requirements for a specialist organisation set by the Conditions of Approval mean that there are a limited the number of organisations that could establish and operate air monitoring stations.
- it was a difficult for the AQCCC to provide input into the selection of specialist organisations and auditors as they felt they were not suitably qualified or have the necessary knowledge required to make an informed decision
- the Department of Environment and Planning should reconsider the requirement for the AQCCC to have involvement in being consulted on such engagements for such conditions in the future.
- the AQCCC be presented with information ahead of meetings that require informed input
 - The AQCCC were invited by SMC to provide comments and feedback via email through the IC on the organisations engaged to provide monitoring and auditing services.

ii. The AQCCC provided the following advice on how the air monitoring data could be presented and available features on the website:

- The location of ventilation facilities be indicated on a map
- Ability to download real-time data over time – as well as the monthly validated data.
- On-going updates and commentary on air quality available on the website
- That the website includes widgets that show current weather conditions and monitoring results from the project compared with air quality in general Sydney area.
- That the information be presented in layman’s terms:
 - SMC invited the AQCCC to consider a coding system similar to the EPA website: <http://www.environment.nsw.gov.au/aqms/aqi.htm>
 - Ways in which information is disseminated to the community will be reviewed by the AQCCC at every meeting to improve information dissemination.
 - The AQCCC were invited to provide ideas via email to the Proponent through the IC.

- iii. Local Council representatives suggested they could disseminate air monitoring information to the community though:
- Live link from Local Council websites to the WestConnex website
 - Local Council websites
 - Local Council websites

MEETING DATES FOR 2018

- i. Meeting dates proposed for 2018
- Tuesday 6 March
 - Tuesday 5 June
 - Tuesday 28 August
 - Tuesday 20 November

MEETING CLOSED AT 8:30 PM

ACTIONS ARISING

	Actions Arising	Timeframe
1	AQCCC members invited to provide comments and feedback to SMC via email through the IC on the engagement of organisations to provide air monitoring establishment, monitoring and auditing services	2 weeks
	SMC to provide Project info line and email to Council representatives so they can pass on to residents if contacted	Before next meeting
2	AQCCC members invited to share ideas with SMC via email through the IC through on disseminating information to the community	On-going
9	AQCCC members invited to email suggestions for future agenda items	Before next meeting and on-going

These minutes are taken live and have been accepted on 23 November 2017 by:



Stephen Lancken

Independent Chair