

Rozelle Interchange

Air Quality Community Consultative Committee

Meeting 9
18 April 2023

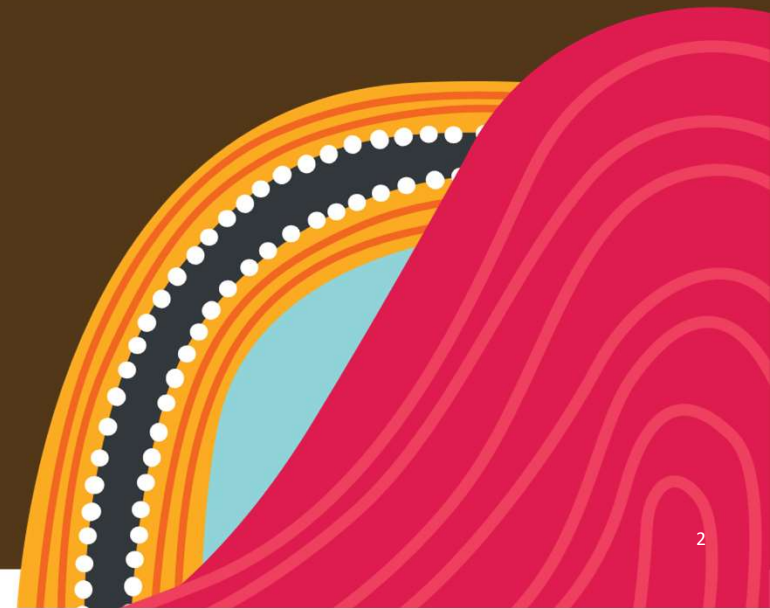


transport.nsw.gov.au



Acknowledgement
of Country

Transport pays respect to Elders past and present, and recognises and celebrates the diversity of Aboriginal peoples and their ongoing cultures and connections to the lands and waters of NSW.



Agenda

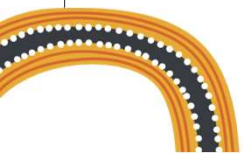
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|---|---|
| 1 | Welcome |
| 2 | Community items |
| 3 | Appointment of independent auditor (CoA E38) |
| 4 | Update on the Air Quality Monitoring Stations |
| 5 | Project update |
| 6 | Other items |
| 7 | Other business |

2. Community items



Project update – community items

- Community engagement update – interactions and events
- Air quality complaints since the last AQCCC meeting



Community update

1) Project Communications

- a) 12 weekly emails to 3,280 residents
- b) Quarterly e-newsletter to 4293 stakeholders, 6 April

2) Engagement activities

- a) Career Seeker internship event, 8 March
- b) Sydney Secondary College Careers Expo, 24 March
- c) Sydney Secondary College STEM coastal geography session, 31 March

3) Women in Construction

- a) The Project celebrated International Women's Day. [Video link here](#)
- b) Highlights from the 2022-2023 Women in Construction Committee's achievements:
 - i) 111% of our Women in Construction Pledges achieved
 - ii) Over \$68,000 raised for the Harding Miller Education Foundation
 - iii) 9 female work experience students welcomed
 - iv) A project female mentorship program completed involving over 50 participants
 - v) 8 careers in construction panel events held at local schools, universities and industry forums
- c) The Project has launched a WiC celebration pack, [link here](#)

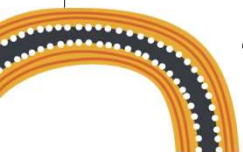
4) Inner West Place Community Forum

- a) Inner West Place community forum – next one scheduled May 25th



Notifications link & QR

<https://caportal.com.au/tfns/wcxri?hview=modalSignUp>



3. Appointment of independent auditor (CoA E38)

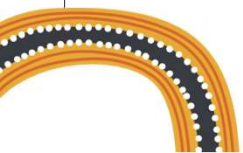


Appointment of independent auditor

E37The Proponent must engage a person independent from the design and construction of the CSSI, to audit the air quality monitoring (in-tunnel and ambient) for the CSSI at six (6) monthly intervals following commencement of operation of the CSSI, or at any longer interval if approved by the Secretary.

E38The Proponent must consult with the EPA and **AQCCC** before nominating the proposed auditor to the Secretary. Operation of the CSSI must not commence until the auditor's appointment is approved by the Secretary.

E39The auditor must ensure that the operating procedures and equipment to acquire air monitoring, meteorological data and emission monitoring data and monitoring reporting comply with NATA (or equivalent) requirements and sound laboratory practice.

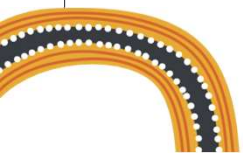


Appointment of independent auditor

TfNSW have put forward **Gary Graham** of **NorthStar Air Quality** to undertake the role of independent expert.

Gary Graham has extensive experience in completing air quality impact assessments on major infrastructure projects, and road tunnel projects. These include but not limited to the following:

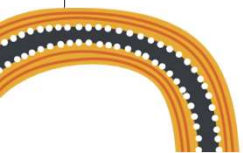
- NorthConnex Peer Review, NSW
- WestConnex, Stage 1 M4 East, Independent Auditor, (Conditions E8,E24) DPE, NSW
- Sydney Harbour Bridge Lead Paint Removal Compliance and Verification, NSW
- WestConnex M4-M5 Link Mainline Tunnels Project, Independent Auditor (Conditions E37, E39)
- Gary Graham has provided a declaration of independence and CV as required by the independent audit post approval requirements from the Department of Planning and Environment (DPE)



4. Update on the Air Quality Monitoring Stations

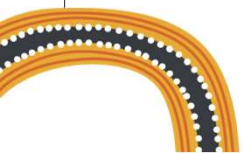
Manning Street and Quirk Street AQMS faults

- On the 7th March 2023 it was identified that there were discrepancies with the data at two of the AQM Stations.
- TfNSW investigated with Acoem and it was later confirmed that there were two physical faults in the stations resulting in invalid NO, NO₂ and NO_x data at Manning Street AQMS and invalid PM_{2.5} data at Quirk Street AQMS.
- The Manning Street data for NO, NO₂ and NO_x is invalid from 24/11/2022 to 03/03/2023 (approx. 3 months)
- The Quirk Street data for PM 2.5 is invalid from 26/10/2022 to 20/12/2022 (approx. 2 months)



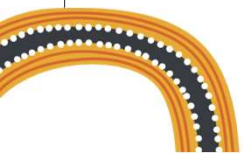
AQM Station faults – Ongoing assurance activities

- Corrective actions: TfNSW
 - TfNSW now receive notification of all 'faults' and 'clearances' via text message and email
 - TfNSW now receive a weekly data collection rate report (75% NATA minimum – 97% maximum attainable) from Acoem
 - Validated data is issued to TfNSW 28 days after the end of each month in a Monthly Report including all faults/clearances
 - TfNSW undertake weekly checks of publicly available AQM station data
- Corrective actions: Acoem
 - Implemented a new process to review all faults more thoroughly this includes a weekly review by all staff
 - There is a system being implemented so field staff can review data trends from stations directly online
 - The team will continue to perform checks over & above the recommended Australian Standards frequency to ensure any faults will be captured early.



Assessment of the loss of data by an air quality expert

- TfNSW have engaged Damon Roddis from Zephyr Environmental to undertake a comparative analysis, which will be peer reviewed by Ian Longley.
- Comparison with validated data (NO₂ / NO / NO_x PM2.5 and wind) collected at the [DPE Rozelle AQM station](#) (150m away)
 - *Historical data also considered to confirm the baseline trend for this specific location / Rozelle
- Comparison with validated data (NO₂ / NO / NO_x PM2.5 and wind) collected at the 3 other [TfNSW AQM stations](#)
 - *Validated now issued to TfNSW 28 days after the end of each month
 - **Validated data will be between late October / early November 2022 – April 2023



Air Quality Data Comparative Study

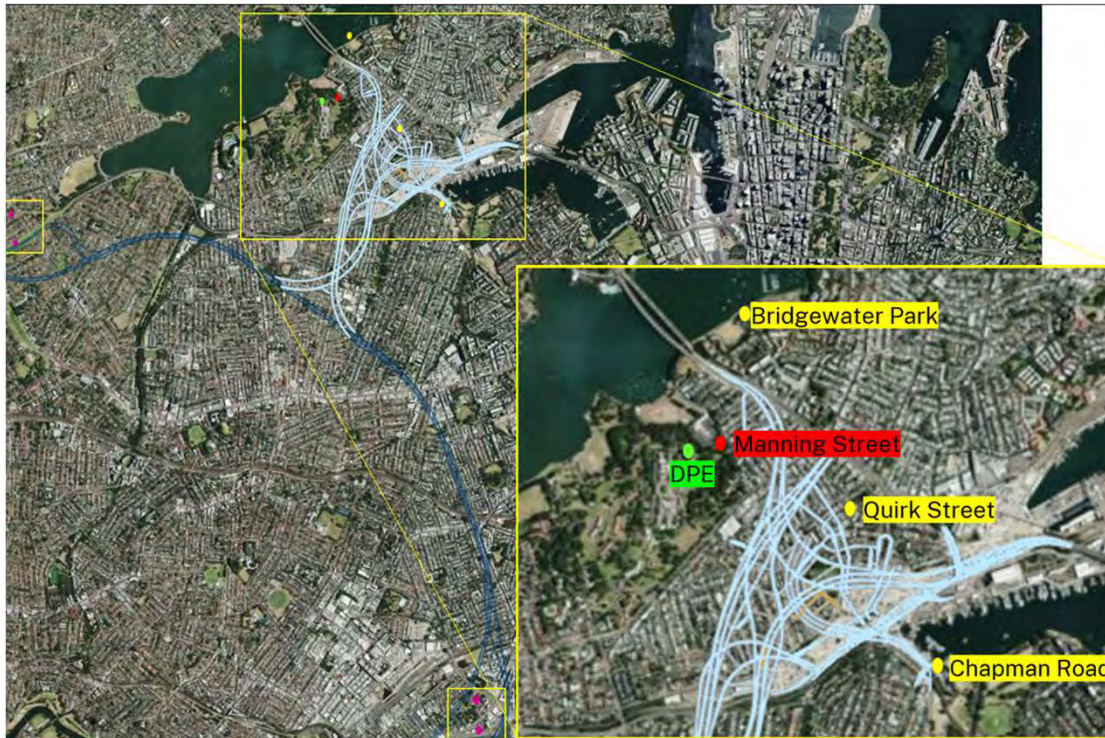
Rozelle Interchange AQ Monitoring

Presentation by Damon Roddis 18 April 2023

Introduction

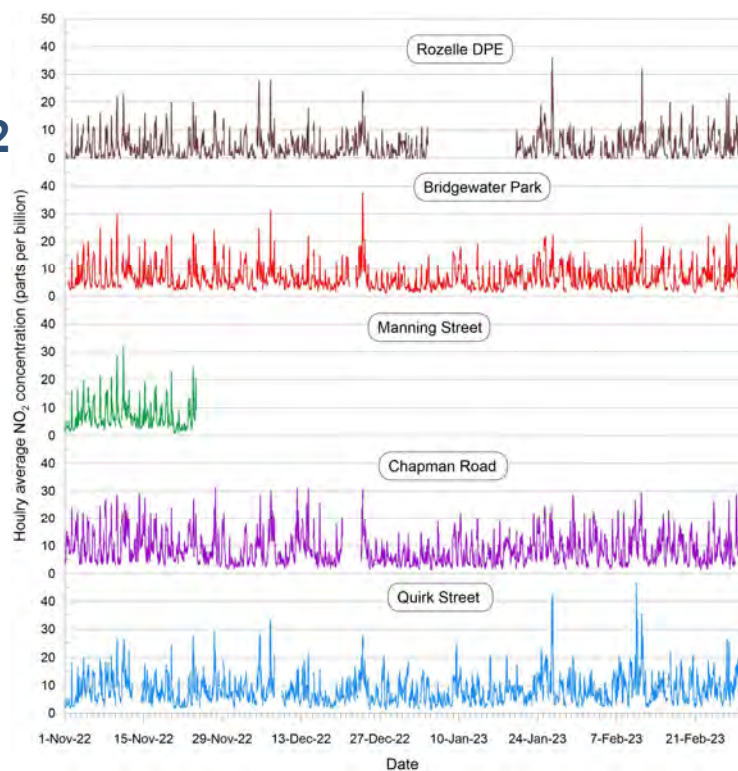
- ❖ Air Quality monitoring is required to meet Condition of Approval E26
- ❖ Condition E26 – to establish a representative baseline prior to project opening
- ❖ Recent data gaps at two sites
 - ❖ Manning Street
 - ❖ Oxides of nitrogen from 24 November 2022 to 3 March 2023
 - ❖ Wind speed and direction in January 2023
 - ❖ Quirk Street
 - ❖ PM_{2.5} from 1 November to 20 December 2022
- ❖ Data analysis to evaluate whether compliance with Condition E26 is compromised

Monitoring locations

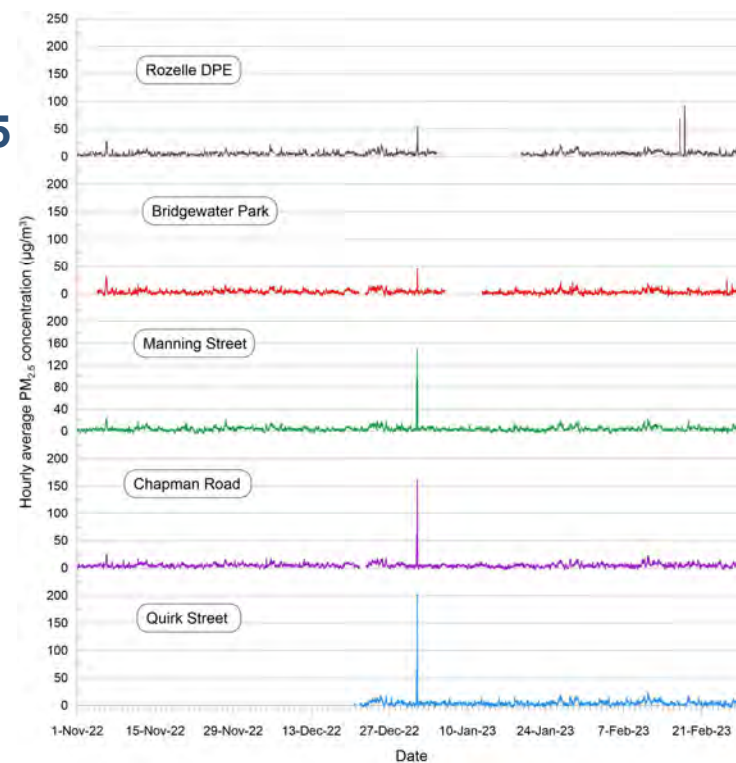


Data Summary – Time series

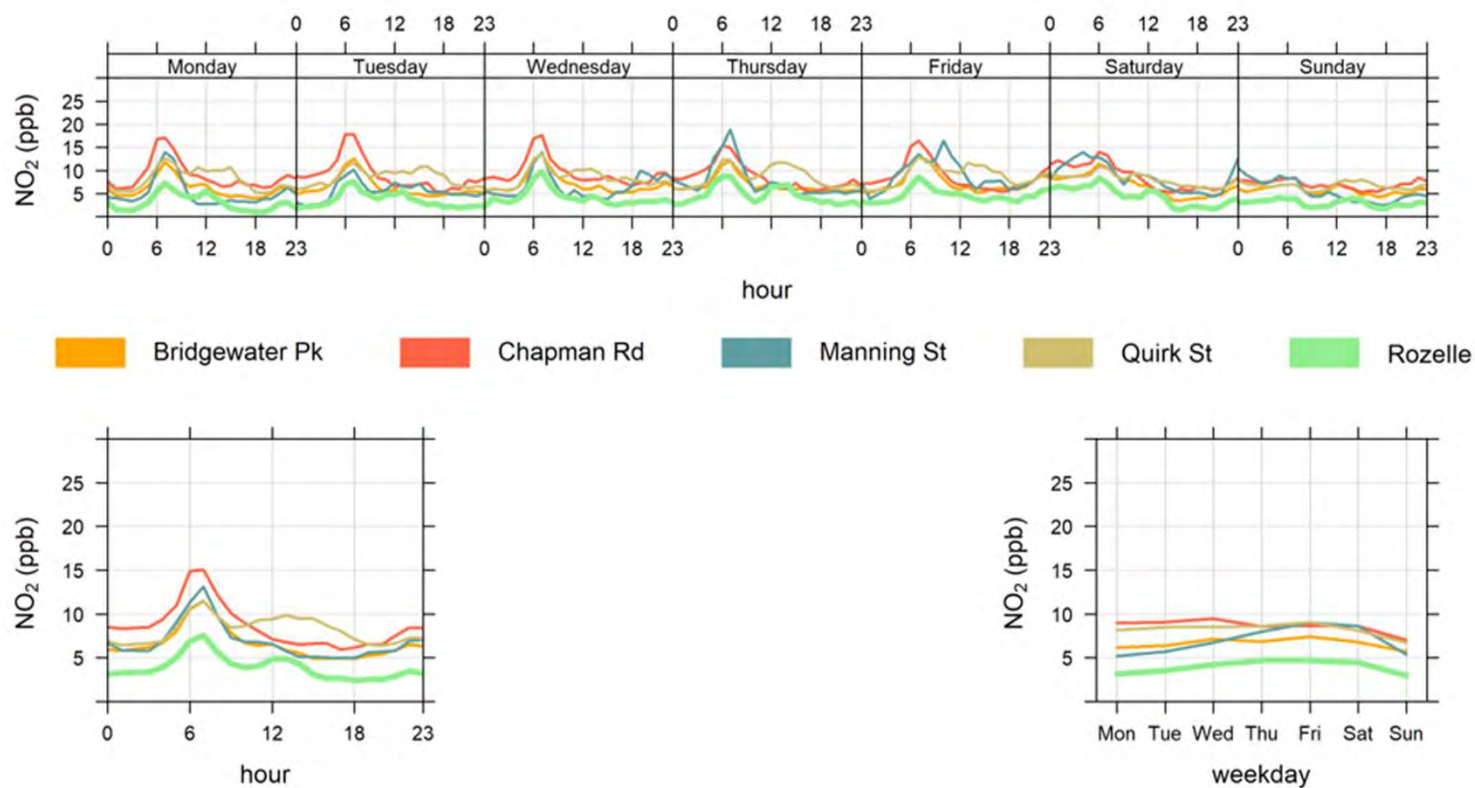
NO₂



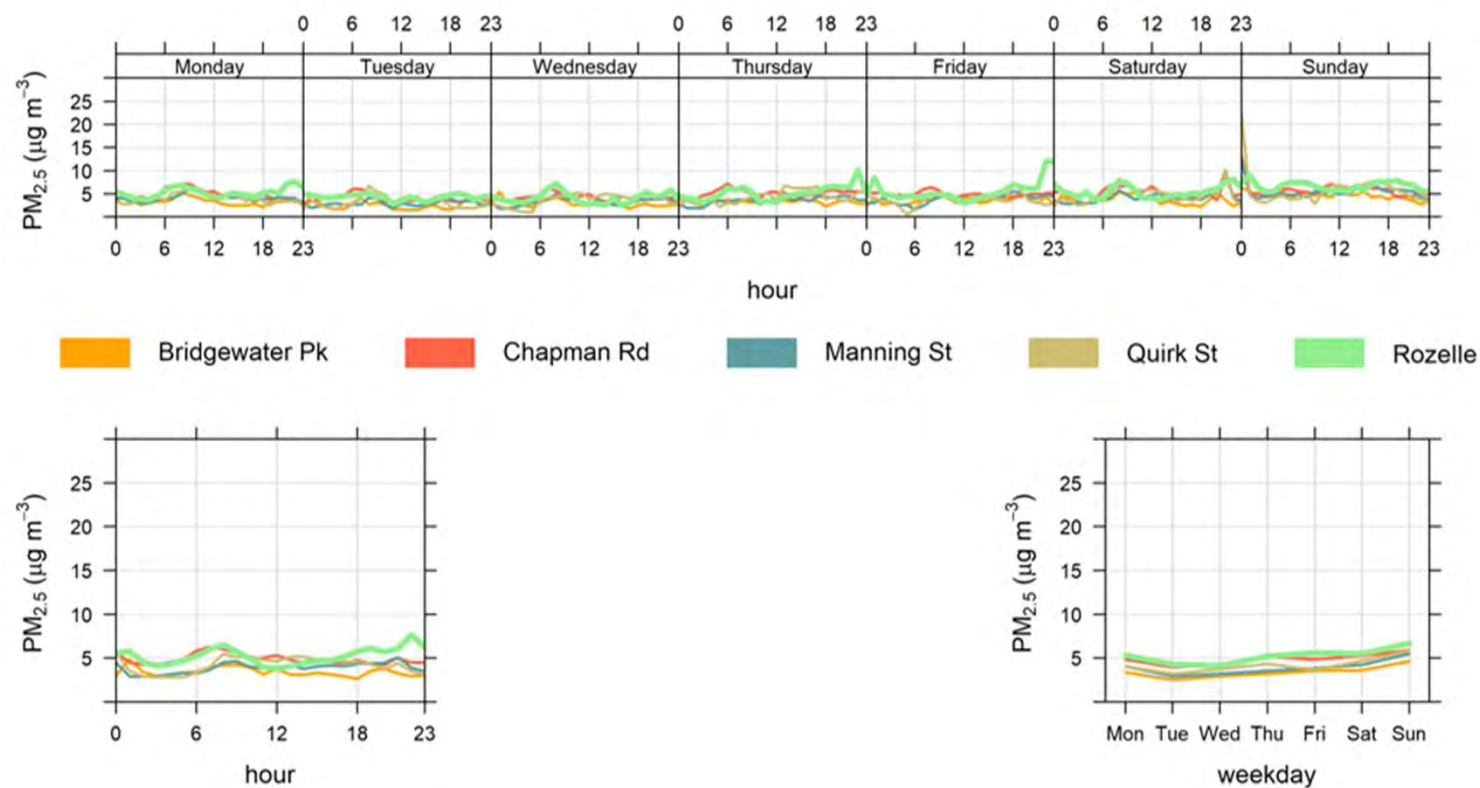
PM_{2.5}



NO₂ variation across all sites

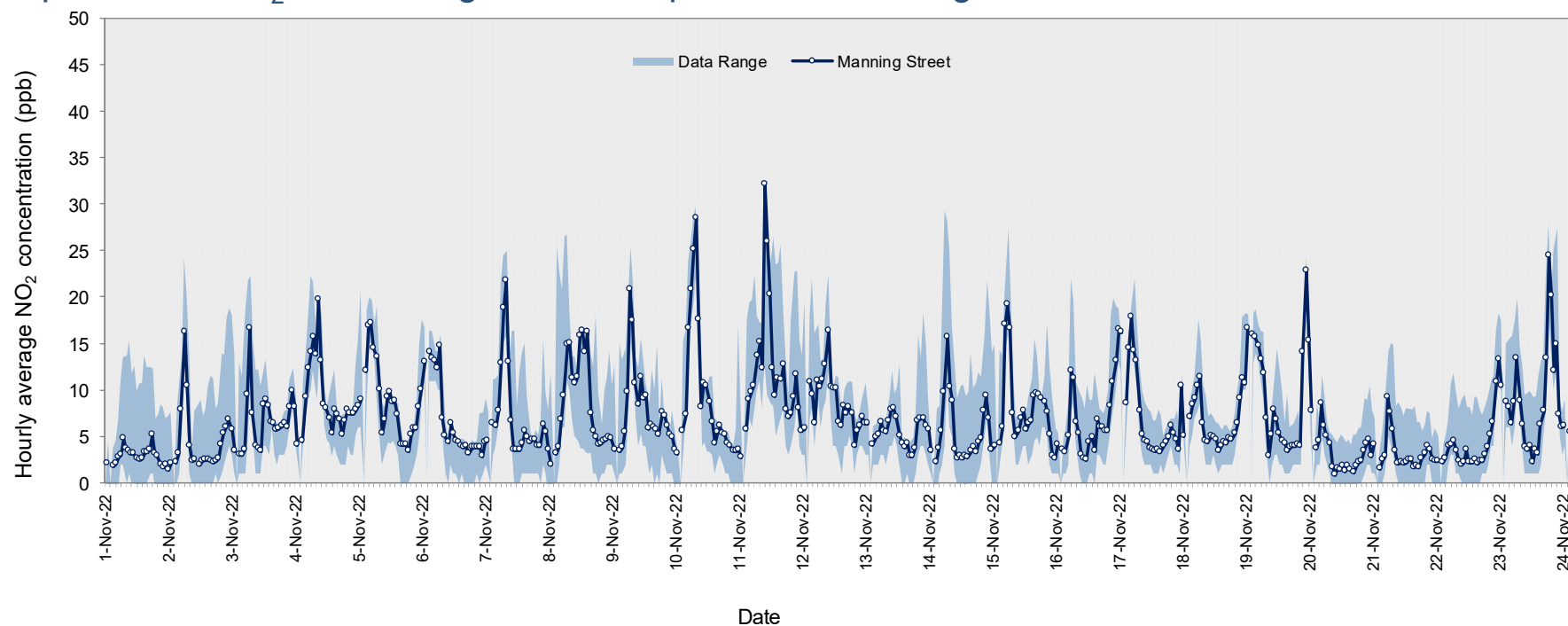


PM_{2.5} variation across all sites



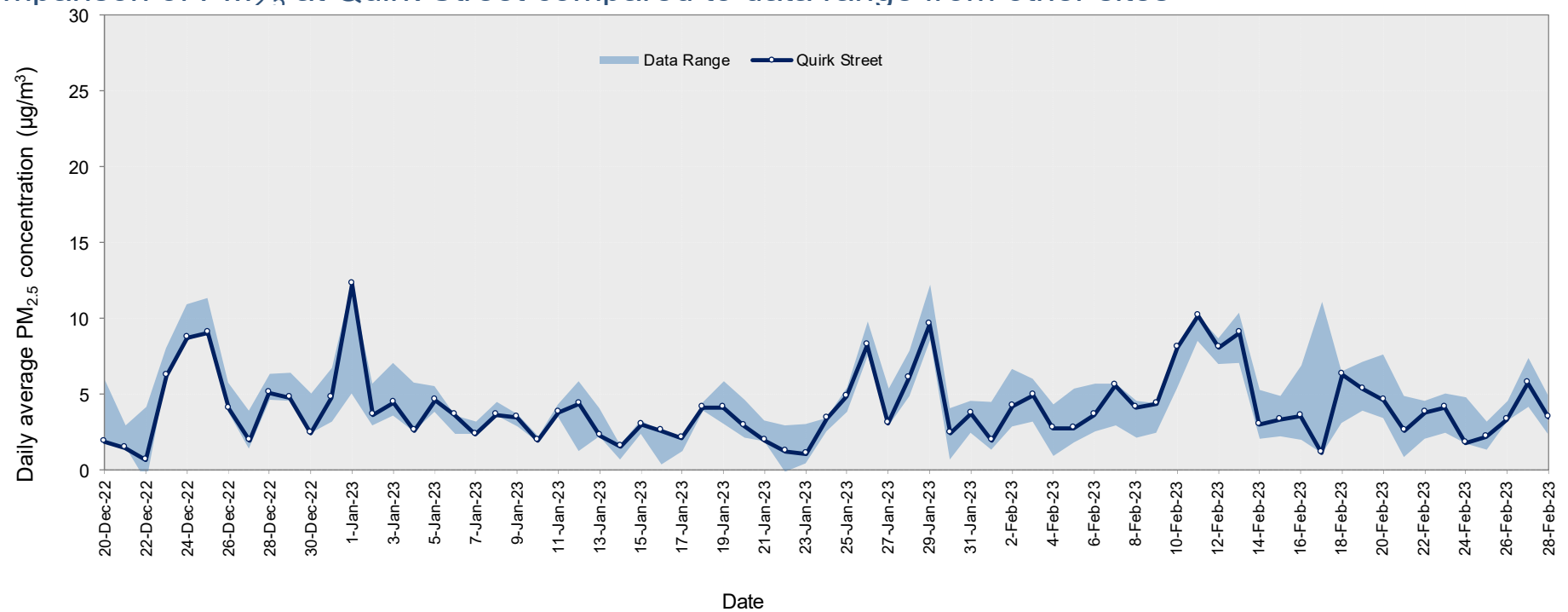
Manning Street – NO₂

Comparison of NO₂ at Manning Street compared to data range from other sites

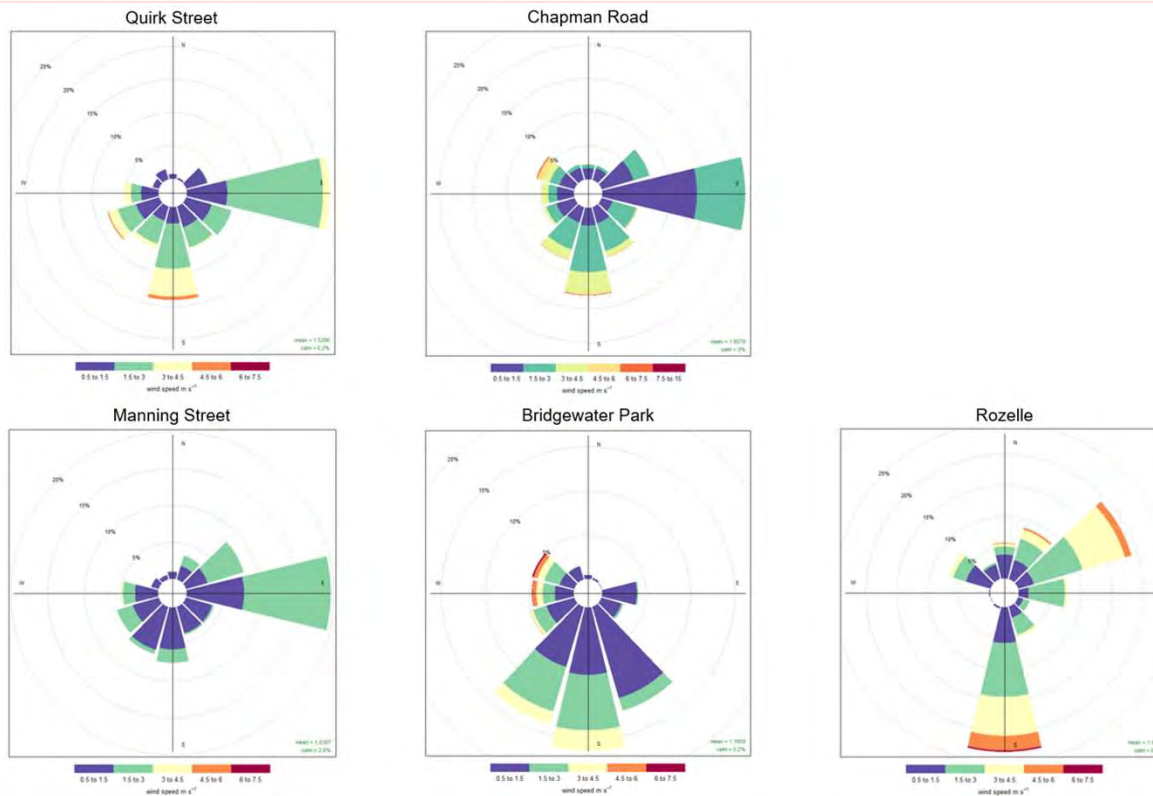


Quirk Street – PM_{2.5}

Comparison of PM_{2.5} at Quirk Street compared to data range from other sites



Windrose comparison



Conclusions

- ❖ All NO₂ data clearly shows signature associated with daily traffic flows.
- ❖ PM_{2.5} data less influenced by traffic and generally reflects regional air quality.
- ❖ Manning Street NO₂, when available, tracks within range of other stations.
- ❖ Quirk Street PM_{2.5}, when available, tracks within range of other stations.
- ❖ Intent of Condition E26 is to establish representative baseline prior to project opening.
- ❖ Given the above, not considered that this ability is compromised.

Questions?



5. Next meeting date

6. Project update





**Victoria Rd /
The Crescent
intersection**





**Rozelle
Ventilation
Facility and
the Crescent
bridges**





**Brennan St
Bridge and
Motorway
Operations
Complex**





**Victoria Rd
Iron Cove
Portal**

7. Other business

MINUTES

Rozelle Interchange Air Quality Community Consultative Committee – Meeting 9

Date	18/04/2023		
Time	6.30pm – 7:28pm		
Venue	Videoconference		
Independent Chairperson	Abigail Goldberg	Chair and Director	GoldbergBlaise
Participants	Peter Nvytl Ashley Douglas Brian Gorman Helena Keyworth	Community representative Community representative Community representative Community representative	Rozelle Rozelle Iron Cove Iron Cove
	Kendall Banfield	Senior Transport Planner	Inner West Council
	Courtney Moran Mark Russell Susannah Mobberley Christine Hodgkiss Paul Sourlos Chris White Wilf Gray Damon Roddis	Environment and Sustainability Manager Senior Environment Manager Director Precinct Delivery Director Environment and Sustainability Senior Communications Officer Eastern Branch Operations Manager Operations Manager Principal/ Founder	Transport for NSW Transport for NSW Transport for NSW Transport for NSW Transport for NSW ACOEM ACOEM Zephyr Environmental
	Charles Scarf	Senior Manager Environment & Sustainability	JHCPB
	Scott Hodder Matthew Callander Verity Turner Kris Hinks Peter Redwin Desiree Mousavi-Azizi	Project Director Fire Life Safety and Integration Environment and Planning Manager OEMP Specialist Head of Operations Senior Community Engagement Advisor	WestConnex WestConnex WestConnex WestConnex WestConnex WestConnex
	Dr Ian Longley	Independent Air Quality Specialist	NIWA NZ
	Rob Sherry Aleksandra Young	Team Leader Compliance Unit Head Regulatory Operations	DPE (Observer) NSW EPA (Observer)
Apologies	Ain Kalmus Ben Prag	Community representative Community representative	Rozelle Iron Cove

Agenda Items		Action
1.	Welcome and actions from previous meeting The Chair welcomed participants, acknowledged Country and advised apologies. The Minutes from the previous meeting (Meeting 8, 7 March 2023) were distributed inter-session. No comments were received and these are considered to be final. Actions from the previous meeting relate to item 3 below, the appointment of the independent auditor (CoA E38). Matters raised at the previous meeting but unrelated to air quality were noted to have been addressed inter-session. The Chair invited declarations of interest. None were put forward.	
2.	Community items No items were raised by community members ahead of the	

Agenda Items	Action
<p>meeting other than a number of queries regarding the appointment of the independent auditor, which were addressed inter-session.</p> <p>- Communications update</p> <p>Charles Scarf provided an update on community activities since the previous meeting. Links referred to in his presentation are provided below:</p> <ul style="list-style-type: none"> • Rozelle Interchange project construction portal: https://caportal.com.au/tfnsw/wcxri?hview=modalSignUp • Project celebration of International Women's Day: Video link here • Project Women in Construction celebration pack: link here <p>- Air quality complaints</p> <p>Charles Scarf advised that six complaints regarding air quality had been received since the previous meeting, including:</p> <ul style="list-style-type: none"> • 1 complaint regarding odour while no works were occurring. Believed to be low tide odour from Rozelle Bay • 4 complaints regarding construction related dust • 1 non-specific complaint. <p>The project team is continuing to implement mitigation strategies to reduce dust and manage air quality. Complaints are addressed as they arise.</p> <p>Community members suggested continuing community communications e.g. emails and mail-outs with a specific focus on simplified explanations of air quality outcomes once operation commences. The WestConnex team undertook to investigate this.</p> <p>- Community engagement update</p> <p>Susannah Mobberley provided an update on community engagement initiatives, including the Inner West Place Community Forum, which will meet next online at 1pm on 25 May. Community members can register to join the forum at https://caportal.com.au/tfnsw/inner-west/community-forum.</p> <p>TfNSW advise that an agenda for the forum will be provided closer to the time. RI topics are expected to include vent facility outlets greenery, heritage buildings and parklands works update.</p>	<p>WestConnex to investigate continuing community communications e.g. emails and mail-outs with a specific focus on simplified explanations of air quality outcomes once operation commences.</p>
<p>3. Appointment of independent auditor (CoA E38)</p> <p>Courtney Moran reiterated the relevant conditions of approval requiring the appointment of an independent auditor (CoA E37, 38 and 39), and confirmed the nomination of Gary Graham of NorthStar Air Quality, as notified at the previous meeting with supplementary information provided inter-session.</p> <p>Questions had been raised by community members and responses provided inter-session regarding this appointment. There was no further discussion at the meeting and it was considered that the AQCCC has been consulted regarding the nomination of the independent auditor.</p> <p>The EPA was consulted at and post the AQCCC meeting. The EPA provided the following comments post-meeting:</p> <p><i>The EPA has been adequately consulted in accordance with the requirements of condition E37 and E38 and has no further comments regarding this matter.</i></p>	<p>TfNSW to advise the Secretary of the DPE that the AQCCC and EPA have been consulted regarding the nomination of the independent auditor.</p>
<p>4. Update on the air quality monitoring stations</p> <p>Courtney Moran reported on follow-up action taken since the identification of discrepancies in the data at two of the AQMS at</p>	

Agenda Items		Action
	<p>the 7 March meeting.</p> <p>These actions include corrective and mitigation steps, with an assessment of the implications of the loss of date by an air quality expert, Damon Roddis of Zephyr Environmental, who provided an overview of his findings.</p> <p>Preliminary findings are that the data has not been compromised, however this will be further assessed by the project team.</p>	Project team to provide further updates as needed.
5.	<p>Construction update</p> <p>An update on the status of the project was advised by Charles Scarf, who presented a slide deck including aerial photographs to illustrate the current construction activities underway.</p> <p>Community members queried the impact of large construction projects close to the roadway e.g. the redevelopment of the Tigers site on air quality monitoring. Matthew Callander explained that the monitoring was set up to be able to address non-project interventions such as these.</p>	
6.	<p>Next meeting date</p> <p>The next meeting is proposed for 20 June 2023 date, in person. A calendar invite will be provided by Verity Turner.</p>	Verity to provide calendar invite.
7.	<p>Other business</p> <p>Items were raised by the community that were unrelated to the AQCCC. TfNSW/JHCPB will respond directly to the community members on these matters.</p>	
8.	<p>Thanks and close</p> <p>The Chair thanked participants for their contributions and questions.</p> <p>The meeting was closed at 7:28pm.</p>	