

Annual Report 2019

Community Consultative Committee Details

CCC / Project Name:	NorthConnex Air Quality Community Consultative Committee	Reporting Period:	January 2019 – December 2019
Independent Chairperson:	Abigail Goldberg	Proponent Contact:	Sonja Shand / Tim Nairne

1. Executive Summary

NorthConnex established the Air Quality Community Consultative Committee (AQCCC), in 2017 in accordance with the Project's Conditions of Approval. The committee meets four times a year, and will continue to operate for at least two years after opening, which is scheduled for mid 2020.

The AQCCC includes three local community representatives, and representatives from Hills Shire Council, Parramatta City Council, Hornsby Shire Council and Ku-ring-gai Council, Roads and Maritime Services and NorthConnex Company Pty Ltd.

Abigail Goldberg was appointed in August 2017 as the independent chairperson for the AQCCC in consultation with the Department of Planning, Industry and Environment (DPIE), and remains in this role.

There were four AQCCC meetings in 2019.

The committee originally included four community members (being one more than required by the project conditions); however in 2019 one community member resigned citing other commitments. All other committee members have been actively engaged by the process and have made constructive contributions to the AQCCC.

This was particularly apparent following the briefing and opportunity to discuss questions with Andrew Mattes, Roads and Maritime's air quality expert, followed by a site visit to the Northern Ventilation Facility. Members provided positive feedback and one member stated it was a 'standout' as informative community engagement.

2. CCC activities - 2019

Four AQCCC meetings were held in 2019. Appendix 1 includes the minutes of each meeting, noting dates and attendance.

The following key issues have been discussed at meetings:

- Project updates
- Proposed method of publishing the ambient air quality data
- Results of and presentation style for the first ambient air quality data report
- Condition E7, and the appointment of an auditor for the ambient air quality monitoring results

Annual Report 2019

- E11 modification request to change ventilation outlet volatile organic compound limit from 1/mg3 to 4mg/m3
- The operational environment management plan.

A number of site visits were also carried out during the year including:

- Tuesday 14 May 2019: visit to an air quality monitoring station at West Pennant Hills informing the group of how the facility is managed
- Tuesday 10 September 2019: visit to the northern ventilation facility, engine room and associated tunnel infrastructure, demonstrating project progress as well as informing members how the ventilation facility will operate.
- Tuesday 3 December 2019: visit to the southern section of the NorthConnex tunnel in both directions, including a view of but not visit to the southern ventilation facility. This site visit highlighted project progress as well as providing information about how the tunnels will operate, and how tunnels in each direction relate to each other.

Members have noted how much they have found the site visits to be of benefit. For example, subsequent to the site visit to the northern ventilation facility on 10 September 2019, a number of community members emailed their appreciation. One member noted:

"I've not been to the AQCCC or CIG and any allied RMS type meeting yet where I didn't come away feeling I'd heard and seen a lot of worthwhile material, and had the opportunity to respond appropriately.

Last night's was a standout though, not on the basis of comparisons, but it did have the advantage of being at the right time in the right place, with all the important bits available in plain view and 'touchable', connections already made and to come obvious, with commentary to suit, but before too much of the walls and partitions have gone up to get in the way. In fact, a glimpse of traffic on the M1 through a still open slot in the eastern wall was a good reminder of where all the bits were and how they related.

Thanks to everyone who got the occasion together."

Minutes of all meetings are made publicly available at northconnex.com.au

3. Key issues

The tunnel is yet to open to the public, consequently the last twelve months have focused on providing information / education for the AQCCC, as well as obtaining their input regarding the establishment of operational management plans as required by the project conditions.

Issue	Actions Taken	Next Steps
E11 modification request	Andrew Mattes, Roads and Maritime's air quality expert provided an update on the modification during its exhibition. Following submission of the feedback report to DPIE	Continue to update the group on progress of the modification request.

Annual Report 2019

Issue	Actions Taken	Next Steps
	an update was provided to the group	
The distribution of air quality monitoring results to the wider community, including the air quality website	Discussion continued on how air quality monitoring results are made publicly available	Consult with the group about operational air quality monitoring.
Audit results of ambient air quality monitoring to comply with Condition E7	Consulted with the group about the appointment of an air quality monitoring auditor	Provide a copy of the audit report to the group and make it publicly available.

4. Focus for next 12 months

The next twelve months will continue to focus on preparing for the opening of the NorthConnex tunnel. Over the period the group will:

- Provide input into in-tunnel air quality monitoring following opening of the tunnel
- Be consulted as NorthConnex finalises operational management plans
- Provide input into the operational air quality web content that will be provided to the public once NorthConnex opens to traffic.

Additional activities will be identified as the project nears completion. Committee members are also encouraged prior to and at each meeting to nominate discussion points and/or site visits that may be of assistance to the AQCCC members.

Signature of Chair:	
Date:	17 December 2019

**Appendix 1:
MEETING MINUTES**

FINAL

meeting minutes

Meeting	NorthConnex Air Quality Community Consultative Committee (AQCCC)	Meeting No.	7
Location	NorthConnex Boardroom L2, Building D, 55 Coonarra Avenue, West Pennant Hills	Time & Date	Tuesday 29 January 2019 5:30pm to 6:30pm
Independent Chair	Abigail Goldberg (minute taker)		
Committee members	<ul style="list-style-type: none"> • AQCCC community representative: Edward Caruana • AQCCC community representative: Graham Strauss • AQCCC community representative: David Avery • Parramatta City Council representative: Stuart Pike (Team Leader, Health) 		
In attendance	<ul style="list-style-type: none"> • NorthConnex Project Co. Environment Manager: Ryan Butler • Lendlease Bouygues Joint Venture Construction Director: Andrew Johnson • Roads and Maritime Project Manager: Sonja Shand • NorthConnex Project Co. Communication and Stakeholder Engagement Manager: Grace Illuzzi 		
Apologies	<ul style="list-style-type: none"> • AQCCC community representative: Paige Chowdhury • Hornsby Shire Council representative: Steve Fedorow (Division Manager, Environmental and Human Services) • The Hills Shire Council representative: Daniel Giffney (Environmental Health Coordinator) • Ku-ring-gai Council representative: Anne Seaton (Manager, Compliance & Regulation) 		

Item	Subject	Action
1.0	<p>Welcome and minutes of previous meeting</p> <p>The meeting was opened at 5:35pm. The Chair welcomed participants, and noted apologies.</p> <p>The Chair noted amendments to the Agenda from that distributed by email. The amendments, specifically the addition of item 7.0, were requested by the project team and relate to Condition E7, which requires an Independent Auditor for the air quality monitoring data.</p> <p>The Chair noted that the project team would be providing an update regarding publication of the air quality monitoring results at this meeting, as the matter had taken more consideration than what</p>	

Item	Subject	Action
	<p>would have allowed an interim update, as envisaged at the preceding meeting.</p> <p>The Chair also tabled the Annual Report for the AQCCC, which is required of the independent Chair by the Department of Planning, and which had been prepared between meetings.</p> <p>Minutes from the previous meeting were agreed and approved.</p>	<p>Annual Report to be posted online along with AQCCC meeting minutes.</p> <p>Final minutes from previous meeting to be distributed with draft minutes from this meeting.</p>
2.0	<p>Declaration of interests</p> <p>No interests were noted.</p>	
3.0	<p>Confirmation of meeting purpose</p> <p>The Chair confirmed that the purpose of the meeting was for the project team to provide an update on project progress as well as the reporting of air quality monitoring.</p> <p>Committee members were also to be consulted regarding the proposed independent auditor of the air quality monitoring data.</p>	
4.0	<p>Construction update</p> <p>An update was provided by Mr Johnson, who advised on project progress including:</p> <ul style="list-style-type: none"> • Completion of surface works at Pearce's Corner intersection • Tunnel cast-in-situ lining • 1 million cubic metres of fill achieved for Hornsby Quarry • Long egress passage construction • Paving and roof painting • Installation of first fire systems • Installation of transformers. <p>Mr Johnson noted that out of these works, the Pearce's Corner intersection would be most visible to the community.</p> <p>The update was noted by Committee members.</p>	

Item	Subject	Action
5.0	<p>Update on web site to publish air quality monitoring results to the wider community</p> <p>As a result of Committee members recommending a monthly plain English interpretation of the real time monitoring data at the preceding meeting, the project team outlined how they had reviewed websites of other, similar projects, as well as considering ways in which to most effectively and clearly communicate the complex, scientific air quality monitoring data.</p> <p>Mr Butler and Ms Illuzzi presented a website page that is currently under-construction which will:</p> <ul style="list-style-type: none"> • Outline the relevant conditions of consent • Provide a link to the RMS' website air quality portal, which includes explanatory material • Include a link to the AQCCC page on the project website • Provide a link to the real time air quality monitoring data • Include a summary plain English interpretation of the data results for the most recent report, which is a direct extract of the report's summary concluding paragraph. • Provide a link to all past reports. <p>An example of how the operational air quality data would be presented on the site following the opening of the tunnel was also presented.</p> <p>Members queried how many past air quality monitoring reports would be kept on the website. The project team replied that they were still to consider this, but that they anticipated eventually having to archive reports due to the volume of information.</p> <p>The question was also raised as to how the project team would respond should there be an exceedance of the data benchmarks. The project team advised of protocols in this regard. Discussion proceeded and it was agreed that the website page should provide one or two additional explanatory sentences in this regard.</p> <p>Committee members advised that they considered that the illustrative website page would assist in clearly communicating and interpreting the air quality monitoring data for the community. They noted that this data provides an important means of monitoring and managing air quality performance for the project.</p>	<p>Website to include explanatory sentences regarding protocols that are in place for how an exceedance of the data benchmarks would be treated.</p> <p>Project team to note the support of the AQCCC for the proposed addition to the website.</p> <p><i>Post-script: the air quality monitoring website page went "live" on 4 February and is available here:</i></p> <p>http://northconnex.com.au/environment-and-approvals/air-quality</p>

Item	Subject	Action
6.0	<p>First ambient air quality monitoring report</p> <p>Mr Butler and Mr Johnson provided an overview of the first ambient air quality monitoring report.</p> <p>Committee members noted that the report was fundamentally the same as the example discussed at the previous meeting.</p>	
7.0	<p>Condition E7 – Auditor to be put in place to audit results of ambient air quality monitoring</p> <p>Mr Butler advised that Condition E7 of the project approval requires an Independent Auditor to be appointed to audit the air quality monitoring data bi-annually. The Committee is to be consulted regarding this appointment.</p> <p>Mr Butler noted that the project team’s preferred nominee for this role is Mr Aleks Todoroski. Mr Todoroski has previously presented to the Committee regarding potential locations for the air quality monitoring equipment, and was involved in independently assessing the project proposal on behalf of the Department of Planning.</p> <p>Mr Johnson provided a recap of Mr Todoroski’s experience and credentials in air quality monitoring, including his work of approximately 15 years in this area for the NSW Environment Protection Agency (EPA).</p> <p>Committee members noted that Mr Todoroski was suitably independent, methodologically competent and has a background on the project. His nomination was supported.</p>	<p>Project team to note the support of the AQCCC for the appointment of Mr Aleks Todoroski as independent auditor of the air quality monitoring data.</p>
8.0	<p>Other business</p> <p>Noted that attendance of Council representatives has dropped. Project team to write to representatives reminding them of the importance of their contribution.</p> <p>Noted also that Paige Chowdury (community representative) has not attended AQCCC meetings for some time. However as four rather than the mandatory three community representatives were appointed to the Committee, the required number of representatives remain in place.</p> <p>Next meeting</p> <p>Dates for the next meeting will be circulated separately. While the project team has suggested a site visit to an air quality monitoring station, Committee members noted that this could be combined with a meeting rather than carried out by itself. The site visit will start at 4pm.</p> <p>The meeting closed at 6:40pm.</p>	<p>Project team to write to Council representatives regarding their ongoing participation in the AQCCC.</p> <p>Date for next meeting to be circulated separately by the Chair.</p>

FINAL

meeting minutes

Meeting	NorthConnex Air Quality Community Consultative Committee (AQCCC)	Meeting No.	8
Location	Larchmont Place, West Pennant Hills	Time & Date	Tuesday 14 May 4.00pm – 5:00pm
Independent Chair	Abigail Goldberg (minute taker)		
Attendees:	<ul style="list-style-type: none"> AQCCC community representative: Edward Caruana 		
Committee members	<ul style="list-style-type: none"> AQCCC community representative: Graham Strauss Parramatta City Council representative: Stuart Pike (Team Leader, Health) The Hills Shire Council representative: Daniel Giffney (Environmental Health Coordinator) 		
In attendance	<ul style="list-style-type: none"> Lendlease Bouygues Joint Venture Construction Director: Andrew Johnson Lendlease Bouygues Joint Venture Design Manager Mechanical, M&E: Adam Wawrzyniak NorthConnex Project Co. Communications and Engagement Manager: Grace Illuzzi NorthConnex Project Co. Environment Manager: Ryan Butler Roads and Maritime Services observers: Sarah Rosewell, Senior Manager, Stakeholder Communications and Rhonda Pollard, Environmental Officer EcoTech representative: Chris White 		
Apologies	<ul style="list-style-type: none"> AQCCC community representative: David Avery Ku-ring-gai Council representative: Anne Seaton (Manager, Compliance & Regulation) Hornsby Shire Council representative: Steve Fedorow (Division Manager, Environmental and Human Services) Roads and Maritime Services Project Manager: Sonja Shand 		

Item	Subject	Action
1.0	<p>Welcome and minutes of previous meeting</p> <p>The meeting was opened at 4pm. The Chair welcomed participants, and noted apologies as well as the resignation of Paige Chowdhury from the Committee.</p> <p>Minutes from the previous meeting were agreed and approved.</p>	Final minutes from previous meeting to be distributed with draft minutes from this meeting.
2.0	<p>Declaration of interests</p> <p>No interests were noted.</p>	
3.0	<p>Project update</p> <p>An update was provided by Mr Johnson, who advised on project progress including the significant milestone of the completion of tunnel excavation end-to-end. Other progress was outlined as including:</p> <ul style="list-style-type: none"> More than half completion of tunnel paving works 	q

	<ul style="list-style-type: none"> • Advanced completion of lining works (walls and ceiling) • Commencement of installation of jet fans and lights • Overall start of transition in use of buildings from construction use to fit-out for final use. <p>The update was noted by Committee members.</p>	
4.0	<p>Overview of air quality monitoring station and how results are captured</p> <p>Mr White of EcoTech explained the Larchmont Place air quality monitoring station to attendees, describing the purpose and application of the various items of equipment and infrastructure both inside and outside the station.</p> <p>Mr White highlighted the monitoring equipment for PM₁₀ and PM_{2.5} particulates, both of which are key parameters of air quality. He also indicated equipment for measuring wind speed and wind direction, and explained how each of these facilities operates.</p> <p>Within the air quality monitoring station Mr White pointed out how each parameter has a separate analyser, as well as talking about data storage arrangements and the way in which the facility is managed by EcoTech, including daily monitoring from their Melbourne Head Office and monthly site visits.</p> <p>Members asked a number of questions, including in relation to:</p> <ul style="list-style-type: none"> • The effect of local environmental conditions such as wood burning or grass cutting. <i>In this regard, Mr White noted that data would be impacted but that subsequent analysis would compensate for these events.</i> • Potential hail damage to equipment. <i>In this regard, Mr White noted that extreme hail could indeed damage equipment but that he was only aware of one such case of this having happened, implying that the risk was low.</i> • The length of storage of data: <i>In this regard, Mr White advised that the data was stored as relatively simple text files, for about 10 – 20 years.</i> • The availability of data to the community in real time. <i>In this regard, Mr White noted that raw data is available on the website http://northconnex.com.au/environment-and-approvals/air-quality in real time. The website includes a disclaimer that this data is not validated. Should subsequent validation require data to be changed, an explanation to this effect is noted in the monthly report.</i> <p>Committee members thanked Mr White for the briefing and Ms Illuzzi for organizing the site visit.</p>	
5.0	No other business was raised.	

<p>The next meeting is scheduled for mid-September and also proposed to be a site visit. Dates will be circulated separately.</p> <p>The meeting closed at 4:40pm.</p>	<p>Date for next meeting to be circulated separately by the Chair.</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------

FINAL 110919

meeting minutes

Meeting	NorthConnex Air Quality Community Consultative Committee (AQCCC)	Meeting No.	9
Location	Junction Road Boardroom Junction Road Compound, Wahroonga	Time & Date	Tuesday 10 September 4.15pm – 6.00pm
Independent Chair	Abigail Goldberg (minute taker)		
Attendees:	<ul style="list-style-type: none"> AQCCC community representative: David Avery AQCCC community representative: Edward Caruana AQCCC community representative: Graham Strauss Parramatta City Council representative: Stuart Pike (Team Leader, Health) The Hills Shire Council representative: Daniel Giffney (Environmental Health Coordinator) 		
Committee members			
In attendance	<ul style="list-style-type: none"> Roads and Maritime Community and Stakeholder Engagement Manager: Sarah Rosewell Roads and Maritime Senior Project Manager: Sonja Shand (meeting, not site visit) Roads and Maritime Air Quality expert: Andrew Mattes (meeting, not site visit) NorthConnex Communications and Engagement Manager: Grace Illuzzi North West Roads Group Community and Stakeholder Specialist: Tracey Baker Lendlease Bouygues Joint Venture Construction Director: Andrew Johnson Lendlease Bouygues Joint Venture Installation Manager Surface M&E: Simon Valencia Lendlease Bouygues Joint Venture Electrical Supervisor and WHS Supervisor: Karl O'Rourke (safety briefing only) 		
Apologies	<ul style="list-style-type: none"> Ku-ring-gai Council representative: Anne Seaton (Manager, Compliance & Regulation) Hornsby Shire Council representative: Steve Fedorow (Division Manager, Environmental and Human Services) 		

Item	Subject	Action
1.0	Safety briefing A safety briefing was provided by Mr O'Rourke and safety items for wearing on site were distributed.	
2.0	Welcome and minutes of previous meeting The meeting was opened at 4:30pm. The Chair welcomed participants and noted apologies. Minutes from the previous meeting were agreed and approved.	Final minutes from previous meeting to be distributed with draft minutes from this meeting.
3.0	Declaration of interests No interests were noted.	

Item	Subject	Action
4.0	<p>Project update</p> <p>An update was provided by Mr Johnson, who noted that approximately 850 fitout people are currently working across the 20km of the project. Mr Johnson advised on project progress including:</p> <p>Surface:</p> <ul style="list-style-type: none"> • Northern vent facility: construction almost complete. Fit-out of mechanical and electrical items now underway and anticipated to continue for 3 months. Next steps will be commissioning and handover. • Next steps will be commissioning and handover • Trelawney vent facility: construction works nearing completion. • Next 3 months will see construction completed and commissioning and handover commence. • Wilson Road site shed: site is being decommissioned and acoustic shed will start to be demolished soon. • Southern compound: building works are complete and fit-out is underway. • Southern vent facility: tracking per schedule, which is 4 – 6 weeks behind northern vent facility. The work is expected to be finished by December 2019. • Southern sub-station (Coral Tree Drive): The 66,000 Volts electrical feed has been energised. <p>Underground:</p> <ul style="list-style-type: none"> • Physical fit-out of the roof mounted equipment is now 80 – 90% complete and planned to finish mid to late October. • Current task is installation of 1500km of cable in preparation for turning power on in the tunnel. <p>Ms Shand advised that the opening date of the tunnel is currently anticipated to be mid-2020.</p>	
5.0	<p>E11 modification request</p> <p>Mr Mattes and Ms Shand provided an update on the E11 modification request, which the AQCCC had previously been alerted to by email.</p> <p>Mr Mattes and Ms Shand noted that the modification request was required in order to correct an administrative error in the approval instrument for the project. The modification related to an increase in the VOC limit from 1 in the current instrument to 4.</p> <p>Members raised a number of queries, including in relation to:</p> <ul style="list-style-type: none"> • The need for the increase. <i>In this regard, Mr Mattes advised that the VOC limit of 4 was required in order to accommodate short-term infrequent events within the approval conditions, such as an accident within the tunnel where a fuel tank is ruptured. He noted that day-to-day operations will not reach the limit of 4, but will be closer to 1.</i> • Whether the increase was consistent with limits in other tunnels. <i>In this regard, Mr Mattes advised that</i> 	<p>The link to more information about the modification request is noted as:</p> <p>https://staging.northconnex.com.au/environment-and-approvals/environment-approvals/modification-request</p>

Item	Subject	Action
	<p><i>the limit was consistent with the limits set for all NSW road tunnel projects approved since NorthConnex.</i></p> <ul style="list-style-type: none"> • <i>Potential impact on human health of the increase: In this regard, Mr Mattes and Ms Shand advised that advice had been received during the EIS phase which indicated that the impact on human health would be negligible to nil. Reference was also made to the AECOM report dated 28 September 2015 which assesses a VOC limit of 4mg/m3 against established criteria. The report shows values well below the criteria and negligible impact on human health.</i> • <i>Noting that monitoring stations have been located in the community, whether air quality would also be monitored in the stacks. In this regard, Mr Johnson confirmed that air quality would be monitored in the vents, and that he would point out the monitoring locations during the site tour.</i> • <i>The likely impact of the tunnel on air quality along Pennant Hills Road. In this regard, Mr Mattes confirmed that the tunnel would result in fewer trucks using Pennant Hills Road, which is expected to result in an overall improvement of air quality along the road. He acknowledged that in some areas a very small, theoretical increase in air pollution was forecast in the EIS, however this is expected to be marginal and imperceptible.</i> • <i>Members noted that community concerns have been raised regarding the need to improve filtration in the tunnel. In this regard, Mr Mattes and Ms Shand noted that this matter could not be addressed through filtration, which targets particulates other than VOC.</i> • <i>What does it do to your body if you absorb these contaminants? In this regard, Mr Mattes noted that while the individual compounds are carcinogenic, the levels of emissions as predicated are very low and will not have an impact on human health. Ms Shand confirmed that as the AQCC is aware monitoring of air quality was undertaken during the EIS period and is underway now so that benchmark air quality levels are available, and the impacts on air quality are able to be effectively monitored. The EIS forecast changes that were both positive and negative, however the impact of either change is forecast to be so small as to be negligible. Further, monitoring will pick-up any changes in air quality before human health can be impacted.</i> <p>Ms Shand noted that 79 submissions had been received by the Department of Planning Industry and Environment (DPIE) to date, about half of which were 'form' letters (i.e. the same base letter). She advised that the submission period was closing on Thursday 12 September, following which RMS will review and analyse all submissions and prepare a Submissions Report, which will be made public.</p> <p>The modification request will be determined by the Minister for Planning.</p>	

Item	Subject	Action
	<p>Ms Illuzzi advised that further information is available on the link below, and submissions can be made via the DPIE website until Thursday 12 September:</p> <p>https://staging.northconnex.com.au/environment-and-approvals/environment-approvals/modification-request</p> <p>In closing, Ms Shand noted that emissions other than VOC were not being addressed through the modification request, that filtration requirements were unchanged, and that approval conditions for the project remain very stringent.</p>	
<p>6.0</p>	<p>Visit to the northern ventilation facility</p> <p>Mr Johnson and Mr Valencia hosted a site tour of the northern ventilation facility. Participants viewed facility elements including:</p> <ul style="list-style-type: none"> • Fan systems and noise battering installations. • Cut and cover structures, where the air from the tunnel enters the fans. • The view from the cut and cover roof to the tunnel. • The vent stack, including monitoring locations, where sensors will be placed. • The fire pump room. • Water reservoirs for firefighting purposes. <p>Members thanked the project team for a detailed, interesting and very informative site tour.</p>	
<p>7.0</p>	<p>Other business</p> <p>No further business matters were raised.</p> <p>The next meeting will be a bus tour of the tunnel on 3 December 2019. Timing and an Agenda will be provided prior.</p> <p>The meeting closed at 6:00pm.</p>	<p>Timing and Agenda for next meeting to be circulated by the Chair closer to the meeting date.</p>

DRAFT 041219

meeting minutes

Meeting	NorthConnex Air Quality Community Consultative Committee (AQCCC)	Meeting No.	10
Location	NorthConnex Boardroom Level 2, Building D 55 Coonarra Avenue, West Pennant Hills	Time & Date	Tuesday 3 December 3:00pm – 5.00pm
Independent Chair	Abigail Goldberg (minute taker)		
Attendees:	<ul style="list-style-type: none"> AQCCC community representative: David Avery AQCCC community representative: Edward Caruana AQCCC community representative: Graham Strauss Parramatta City Council representative: Stuart Pike (Team Leader, Health) Hornsby Shire Council representative: Nichola Clarke (Environment Protection Manager) Ku-ring-gai Council representative: Helen Trappel (Environmental Health Services Coordinator) 		
Committee members			
In attendance	<ul style="list-style-type: none"> Transport NSW Senior Manager, Community and Stakeholder Engagement: Sarah Rosewell Roads Transport NSW Senior Project Manager: Sonja Shand (meeting, not site visit) NorthConnex Communications and Engagement Manager: Grace Illuzzi NorthConnex Communications Director: Tim Nairne (meeting, not site visit) Lendlease Bouygues Joint Venture Installation Manager Surface M&E: Simon Valencia (site visit, not meeting) NorthConnex Project Co. Environment Manager: Scott Tinsley Lendlease Bouygues Joint Venture Community and Stakeholder Engagement Manager: Chantelle Garrett (site visit, not meeting) NorthWestern Roads Safety, Environment and Stakeholder Manager: Daniel Lovett 		
Apologies	<ul style="list-style-type: none"> Ku-ring-gai Council representative: Anne Seaton (Manager, Compliance & Regulation) The Hills Shire Council representative: Daniel Giffney (Environmental Health Coordinator) North West Roads Group Community and Stakeholder Specialist: Tracey Baker 		

Item	Subject	Action
1.0	<p>Bus tour of tunnel including project update</p> <p>A bus tour of the tunnel was undertaken, departing 3:10pm from 55 Coonarra Avenue and visiting part of both the north and south tunnels. A safety briefing was provided by Ms Chantelle Garrett of the NorthConnex project team on the bus on departure.</p> <p>Mr Valencia provided a project update during the tour, pointing out among other items the various tunnel surfacing materials, tunnel lighting, emergency exit corridors, ventilation outlet and water purifying facilities.</p>	

Item	Subject	Action
2.0	<p>Welcome and minutes of previous meeting</p> <p>On return from the bus tour, the meeting was opened at 4:15pm. The Chair welcomed participants, including new representatives Nichola Clarke (Hornsby Shire Council) and Helen Trappel (alternate, Ku-ring-gai Council). Apologies were noted.</p> <p>Minutes from the previous meeting, which had been distributed inter-session, were agreed and approved.</p>	<p>Final minutes from previous meeting to be distributed with draft minutes from this meeting.</p>
3.0	<p>Declaration of interests</p> <p>No interests were noted.</p>	
4.0	<p>E11 project modification update</p> <p>An update was provided by Ms Shand and Ms Rosewell, who noted that the modification had, attracted substantial community interest and response.</p> <p>Ms Rosewell advised that RMS had undertaken a detailed analysis of all submissions, and provided a response to each issue. This is documented in a Response to Submissions (RTS) report, which was tabled at the meeting.</p> <p>For the benefit of the committee, Ms Rosewell provided a recap of the project air quality monitoring and reporting requirements. She also outlined an update of monitoring results to date, pointing out that October 2019 monitoring had recorded more than 29 exceedances of air quality standards for ambient air, attributed to bushfire conditions and unrelated to the tunnel.</p> <p>As more than 20 submissions had been received in response to the exhibition of the modification application, the application has been passed to the Minister for Planning for final determination.</p> <p>Committee members questioned the impact of bushfire smoke on the tunnel, and whether smoke was likely to penetrate inside the tunnels.</p> <p>The project team advised that current experience at other operating tunnels, for example the Cross City Tunnel, has been that smoke has been recorded outside the ventilation outlets but not inside the tunnel. Ms Shand confirmed that limits for managing air quality within the tunnel would remain constant regardless of ambient air conditions, meaning that should smoke enter the tunnel resulting in a decline in air quality, mitigation measures would be put in place as per the project conditions.</p>	<p>RMS to update on progress at next meeting.</p>
5.0	<p>Update from AQCCC representatives on informal community meeting</p> <p>Mr Strauss advised that he along with Mr Avery and Mr Caruana had been asked to meet with two local residents regarding the project.</p> <p>The residents had raised a number of queries, regarding which the project team provided the following responses:</p> <ul style="list-style-type: none"> • Why the AQCCC would be in place for only two years after the road opens? <i>In this regard, the project team</i> 	

Item	Subject	Action
	<p><i>advised that condition E7 stipulates that the AQCC will be in place for two years after opening, and that the Committee shall review the need for the continuation of the ambient monitoring stations after this period, in consultation with the EPA.</i></p> <ul style="list-style-type: none"> • Whether the capacity for extraction from the vents was adequate? <i>In this regard, the project team referred to condition B3, which sets a minimum exit velocity for the vents available at:</i> https://northconnex.com.au/docs/default-source/environment-documents/environment-approvals/instrument-of-approval-ssi-6136-2015-jan-13.pdf?sfvrsn=4 • Visual impact of the vent outlets? <i>In this regard, the project team advised that the colour of the stacks was a silvery-grey, as documented in the urban design and landscape plans for NorthConnex which have been publically exhibited and approved by Department Planning Infrastructure and Environment and are available at:</i> https://northconnex.com.au/environment-and-approvals/udlp <p>Going forward, the Chair advised that community representatives are not expected to meet with any groups or individuals, nor to represent the project in any way. Rather, reference should be made to the project website, and the enquiry contact points provided so that official, documented responses can be provided.</p>	<p>Committee members to refer requests for information or project queries to ncxcommunitymanager@transurban.com or the project website and contact points provided there.</p>
<p>6.0</p>	<p>Update on Operational Environmental Management Plans</p> <p>Mr Tinsley provided an outline of condition E30, which requires that Environmental Management Plans be prepared for the operations of the road, as distinct from the Construction Environmental Management Plan which is presently referenced.</p> <p>Mr Tinsley advised that these plans are presently being compiled, and will append a number of other environmental management plans that have already been completed. The final plan will address matters including:</p> <ul style="list-style-type: none"> • Air quality, noise and vibration • Climate change and energy use • Visual amenity and landscaping • Groundwater. <p>Once completed the Plan will be submitted to the Department of Planning Industry and Environment for approval.</p> <p>Members queried the following:</p> <ul style="list-style-type: none"> • How climate change is being addressed? <i>In this regard, Mr Tinsley advised that the project team were considering ways of improving the environmental efficiency of the project for example improving energy efficiency by managing the use of fans.</i> <p><i>Mr Nairne noted that the project would also contribute to a reduction in vehicle emissions and fuel use as</i></p>	<p>Project team to provide an update on progress at the next meeting.</p>

Item	Subject	Action
	<p><i>vehicles perform more efficiently in the tunnel, where there are no traffic lights and a relatively even gradient.</i></p>	
<p>7.0</p>	<p>Other business</p> <p>Mr Tinsley and Ms Shand noted that progress was also being made on addressing the following conditions:</p> <ul style="list-style-type: none"> • E15: draft guidelines had been prepared for local councils to assist them developing local air quality assessment processes for areas adjacent to ventilation outlets. Local council representatives confirmed that they had been consulted on these guidelines, and that amendments had been proposed which the project team was investigating. • E16: the project team had investigated whether tunnel operations could assist in enforcing smoky vehicle restrictions in tunnels. The preliminary conclusion, based on consultant investigation, had been reached that this was not practicable, whereas public reporting was an effective and easy reporting mechanism. Consultations with EPA indicate that they are in agreement with this approach. • New legislation: going forward tunnel outlets were required to be licensed by the EPA. Work towards this has commenced. <p>A provisional date of 18 February was agreed for the next meeting. Timing and an Agenda will be provided prior.</p> <p>In closing, the Committee expressed thanks to Grace Illuzzi for her support of the AQCCC, and wished her well in her next endeavours. Tim Nairne noted that he will oversee AQCCC support following Grace's departure.</p> <p>The meeting closed at 5:05pm.</p>	<p>Timing and Agenda for next meeting to be circulated by the Chair closer to the meeting date.</p>