

REF: WCXSTG3A-LSB-WCX-GC-003725

1 October 2021

Shelley Reed  
Team Leader  
Infrastructure Management  
NSW Department of Planning, Industry and Environment

Dear Shelley,

**Condition of Approval E41 – Air Quality QA/QC Measures**

As you are aware, under the Planning Approval (SSI 7485), approval by the Secretary is required for the independent expert appointed to approve QA/QC measure in accordance with CoA E41:

*The Proponent must undertake appropriate quality assurance (QA) and quality control (QC) measures for air quality and ventilation outlet emission monitoring data. This must include, but not be limited to: accreditation/quality systems; staff qualifications and training; auditing; monitoring procedure; service and maintenance; equipment or system malfunction; and records/reporting. The QA/QC measures must be approved by an expert independent from the design and construction of the CSSI. The independent expert must be approved by the Secretary prior to monitoring of air quality and ventilation outlet emissions, as appropriate.*

Acciona Samsung Bouygues Joint Venture (ASBJV) nominates Ronan Kellaghan (Associate – Air Quality) of EMM Consulting Pty Ltd as the independent expert for the condition above. We have attached Ronan's CV and statement of independence to this letter.

Ronan has over 14 years consulting experience in air quality management. His areas of expertise include dispersion modelling, emission estimation, air quality assessments and monitoring. Ronan has also fulfilled this role previously on other stages of WestConnex.

Should you have any questions, please don't hesitate to contact Environment Manager Martin Howe ([Martin.Howe@m4-m5linktunnels.com.au](mailto:Martin.Howe@m4-m5linktunnels.com.au)).

Kind regards,



Andrew Marsonet  
Project Director

Acciona Samsung Bouygues Joint Venture  
PO Box 63, Mascot, NSW 1460  
ABN 46 422 742 617



Attachments:

- Attachment 1: CV Ronan Kellaghan
- Attachment 2: Statement of Independence

# Ronan Kellaghan

Associate, Air Quality

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## Curriculum vitae

Ronan has over 15 years' consulting experience in air quality management. His areas of expertise include dispersion modelling, emission estimation, odour assessment and monitoring.

Ronan has delivered more than 100 air quality impact assessments and odour impact assessments for clients across a range of sectors including mining and extractive, waste and wastewater treatment, energy, energy from waste, infrastructure, and food and agriculture. He has also delivered significant projects for the NSW Environment Protection Authority.

Ronan has prepared and presented expert evidence for the NSW Land & Environment Court and has presented on air quality issues for a Senate Enquiry into air quality and health. Ronan has also conducted community consultation and community information sessions for various projects.

Ronan is a certified odour assessor under AS/NZS 4323.3:2001.

## Qualifications

- Master of Science (Environmental Assessment and Management), Oxford Brookes University, 1998
- Higher Diploma in Computer Science, University College Cork, 1997
- Bachelor of Science (Hons) in Applied Ecology, University College Cork, 1992

## Career

- EMM Consulting, 2019–present
- Senior Managing Consultant Air Quality, Ramboll Australia, 2014–2019
- Principal Consultant Air Quality, Pacific Environment, 2009–2014
- Senior Consultant Air Quality, Heggies, 2004–2009
- Database Management Administrator, AEROS/ARIA, 2000–2004
- Water Quality Planning Officer, Environment Agency/UK, 1997–1999

## Representative experience

### Government

- Clean Air Regulation Remake, NSW (Marsden Jacob Associates)
- Long term air quality trends analysis, NSW (NSW Office of Environment and Heritage)
- Cumulative air impact assessment methodology review, NSW (NSW Environment Protection Authority)
- Namoi region regional air quality model, NSW (NSW Environment Protection Authority)
- Upper Hunter regional primary particle model, NSW (NSW Environment Protection Authority)
- Review of air quality and meteorology for Newcastle City and port area, NSW (NSW Environment Protection Authority)

## Construction

- Dungowan Dam – air quality and greenhouse gas assessment, Dungowan, NSW (WaterNSW)
- Mole River Dam – air quality and greenhouse gas assessment, Mole River, NSW (WaterNSW)
- Cowal Gold Mine Construction Camp – construction dust assessment, West Wyalong NSW (Evolution Mining)
- Port Kembla Outer Harbour Redevelopment – construction dust management plan and implementation of real-time air quality management system, Port Kembla NSW (PKPC)

## Auditing

- WestConnex New M5 – independent air quality auditor for tunnel air quality monitoring (Westconnex New M5)
- WestConnex M8 – independent air quality auditor for tunnel and ambient air quality (Fulton Hogan/Egis)
- Woodlawn Bioreactor, independent environmental audit, Woodlawn NSW (Veolia)
- Shoalhaven Starches, independent odour audit, Bomaderry NSW (Manildra Group)
- Genesis Xero Waste Facility, odour audit and assessment of leachate and wastewater treatment, Eastern Creek NSW (Dial a Dump Industries)
- Visy Tumut, odour audit, Tumut NSW (Visy Pulp and Paper)

## Infrastructure / transport

- Western Sydney Airport – Regional Air Quality Assessment, Sydney NSW (Department of Infrastructure and Regional Development & GHD)
- Moorebank Precinct East Intermodal – Concept Plan Approval, Sydney NSW (Hyder Consulting)
- Moorebank Precinct East Intermodal – Stage 1 & 2, Sydney NSW (Hyder Consulting)
- Moorebank Precinct West Intermodal – Stage 2, Sydney NSW (Arcadis)
- Perth Freight Rail - air quality impact assessment, Perth WA (Arc Infrastructure)

## Industrial emissions

- Sims Metal Kooragang, metal fume assessment, Kooragang Island NSW (Sims Metal Management)
- The Next Generation Energy from Waste Facility, air quality impact assessment and plume rise assessment, Eastern Creek NSW (The Next Generation)

- Torrens Island Energy Park, air quality impact assessment, Adelaide SA (AGL & Coffey)
- Broken Hill Mineral Separation Plant, air quality impact assessment, Broken Hill NSW (Crystal Mining & Resource Strategies)
- Newcastle Gas Storage Facility, air quality impact assessment, Tomago NSW (AGL & Coffey)
- Colongra Gas Turbines, air quality model verification, Munmorah NSW (Delta Electricity)

## Waste management

- Bingo Resource Recovery Facilities, air quality impact assessment, St Marys, Auburn, Greenacre NSW (Bingo Industries)
- Gosford Concrete Recycling Facility, air quality impact assessment, West Gosford NSW (Tricon Mining Equipment)

## Mining and extractive

- Appin Mine Ventilation and Access Project, air quality impact assessment, Menangle, NSW
- Cowal Gold Underground Development Project - air quality impact assessment, Lake Cowal NSW (Evolution Mining)
- Bowdens Silver Project – air quality impact assessment, Lue NSW (Bowdens Silver & RWC & Co)
- Vickery Extension Project, air quality impact assessment, Boggabri NSW (Whitehaven Coal & Resource Strategies)
- Dendrobium Mine, air quality impact assessment, Kembla Heights NSW (South 32)
- Clean TEQ Sunrise Project, air quality impact assessment, Fifield NSW (Clean TEQ & Resource Strategies)
- Narrabri Coal Project, air quality impact assessment, Narrabri NSW (Whitehaven Coal & Resource Strategies)
- Stratford Coal Mine extension, air quality impact assessment, Stratford NSW (Gloucester Coal & Resources Strategies)
- Tarrawonga Coal Project, air quality impact assessment, Boggabri NSW (Whitehaven Coal & Resource Strategies)
- Wallarah 2 Coal Mine, air quality impact assessment, Wyong NSW (W2CP & Hansen Bailey)
- Maules Creek Coal Mine, air quality impact assessment, Boggabri NSW (Whitehaven Coal & Hansen Bailey)
- Illawarra Coal #6 vent shaft, air quality impact assessment, Douglas Park NSW (Illawarra Coal)

## Odour assessment and monitoring

- Woy Woy alternative waste treatment facility, odour impact assessment, Woy Woy NSW (SITA)
- Kemps Creek alternative waste treatment facility, odour impact assessment for landfill extension, Kemps Creek NSW (SITA)
- Kogarah Bay, odour investigation, Sydney NSW (Sydney Water)
- Odour impact assessment for a residential land release, Penrith NSW (National Project Consultants)
- Cargill Narrabri Biofilter, odour management plan, Narrabri NSW (Cargill Australia)

## Legal / expert witness

- North Sydney Council at Stannards Marine - Land and Environment Court of NSW - Case No. 2021/00063136, (HWL Ebsworth Lawyers).
- Qube Holdings at Residents Against Intermodal Development - Land & Environment Court Case Number: 2020/00004407 (Allens).
- Denis Fitzgerald v Central Coast Council, Gosford NSW - Land & Environment Court Case Number: 18/282666 (Sparke Helmore Lawyers).
- Gross Pty Ltd at Bayside Council, Hillsdale NSW (HWL Ebsworth Lawyers)
- Wollondilly Council at Muscat Developments, Cawdor NSW - Land & Environment Court Case Number: 2016/386136 (Marsdens Law Group)
- Wollondilly Council at Grech, Camden NSW (Marsdens Law Group)
- Mauro Poletti & Anor at Australian Turf Club Limited, Rosehill NSW LEC - Land & Environment Court Case Number: 10790 of 2013 (Gadens Lawyers)
- Ashfield Council v McDonalds, Sydney - Land & Environment Court Case Number: 10650 of 2010 (Ashfield Council/Maddocks)
- Lees and Radford v Cessnock City Council, Cessnock, NSW - Land & Environment Court Case Number: 11/10128 (MRM Thomson Norrie)
- Joint Regional Planning Panel Presentation for Luddenham Crematorium, Luddenham Memorial Park, Luddenham NSW (AC Developments)
- Senate enquiry into air quality and health, Newcastle NSW (Minerals Council of Australia)



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throughout  
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internationally

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### RONAN KELLAGHAN

Associate, Air Quality

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28 September 2021

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**Re: MCoA E41 - Independent expert**

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Dear Adam,

Regarding your intention to propose EMM employee, Ronan Kellaghan as the independent expert for condition E41 of the Ministers conditions of approval (MCoA) for WCX M4-M5, I can provide the following statement of independence.

The proposed independent expert, Mr Ronan Kellaghan, is independent of the site to be audited and free from any bias and conflict of interest. Ronan meets the tests specified in the Independent Audit Guideline (NSW Government 2015), as he:

- is not related to any owner or operator of the site. Such a relationship includes: employer, business partner, employee, sharing a common employer, having a contractual arrangement outside the audit, spouse, partner, sibling, parent and child;
- does not have any pecuniary interest in the site operations (or parent company). Such an interest includes the situation where there is a reasonable likelihood or expectation of financial gain or loss to the auditor, or to a person to whom the auditor is closely related (ie immediate family);
- has not provided services (not including independent reviews/auditing) to the site to the extent that they would be auditing work done by themselves or the company; and
- has not accepted any inducement, commission, gift or any other benefit from auditee organisations, their employees or any interested party or knowingly allow colleagues to do so.

It is noted that Ronan Kellaghan has previously acted as the independent expert on behalf of FHEOM for WCX New M5 Condition E28 (the same condition as E41) and has therefore previously reviewed the subcontractor's QA/QC measures for air quality and ventilation outlet emission monitoring data.

Yours sincerely



**Ronan Kellaghan**  
Associate - Air Quality  
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