

TIM COLLINS

TECHNICAL OFFICER

AREAS OF EXPERIENCE

- Construction Noise & Vibration Monitoring
- Rail Noise & Vibration Control
- Attended Noise & Vibration Measurements
- Geographic Information Systems
- Noise Modelling (Predictor, CadnaA, SoundPLAN)
- Odour and VOC Measurements



OH&S / SAFETY

- OH&S Construction White Card
- Odour Sensitivity Screening in accordance with AS4323.3-2001

EMPLOYMENT HISTORY

- Mar 2015 – Present Technical Officer, Wilkinson Murray

PROFILE

Tim is a current undergraduate student at University of New South Wales (UNSW) working towards a Bachelor of Mechanical Engineering.

Since joining Wilkinson Murray as a Technical Officer in March 2015, Tim has been involved in a range of projects, including unattended and attended monitoring for noise and vibration, rail noise and vibration control design and construction noise control.

Tim has undertaken specific ground-borne vibration measurements for rail projects in Qatar, Hong Kong, Japan and Thailand as part of regenerated noise analysis for new metro systems.

Tim is an experienced user of noise modelling software, including SoundPlan and CadnaA.

Some of the projects Tim has worked on are shown overleaf.

INDUSTRIAL/CONSTRUCTION NOISE

- NorthConnex – Temporary Construction Compound Noise Analysis and Mitigation
- NorthConnex – Acoustic Shed Design for Northern, Southern, Trelawney and Wilson Temporary Construction Compounds
- NorthConnex – Temporary Construction Ventilation Noise Mitigation for Northern, Southern, Trelawney and Wilson Temporary Construction Compounds
- Western Sydney Airport – Construction Noise Predictions
- Western Sydney Airport – Assessment of Ground-Based Noise
- Barangaroo Stage 1B – Basement Mechanical Services
- Chifley Tower – Mechanical Services
- Kariong to Somersby Widening – Ancillary Facility Construction Noise Assessment
- Yennora Distribution Centre – Noise Audit
- Boral CBP Plants – Botany and Glenorie
- PKCT Compliance Measurements

RAILWAY NOISE AND VIBRATION

- Doha Metro – Independent Validation of Groundborne Noise & Vibration
- Bangkok Red Line, Bang Sue to Rangsit – Groundborne Noise & Vibration Mitigation
- LRT Bandar Utama to Klang Line (LRT3) – Groundborne Noise & Vibration Mitigation (tender)
- Melbourne Metro – Groundborne Noise & Vibration Mitigation (tender)
- Sha Tin to Central Link – Ground Transfer Mobility Testing

TRANSPORTATION NOISE

- NorthConnex & M2 Integration Project Detailed Design
- Western Sydney Airport – Ground Operations Noise Modelling
- Frederickton to Eungai – Pacific Highway Upgrade Compliance Monitoring
- Gerringong Upgrade Compliance Monitoring
- ALDI Noise Monitoring & Truck Modelling
- M1 Upgrade Tuggerah to Doyalson
- Edmondson Park Town Centre Masterplan

OTHER

- St George Hospital – Dust Monitoring
- St George Hospital – Sensitive Equipment Vibration Measurement
- Blacktown Hospital – Dust Monitoring
- Blacktown Hospital – Sensitive Receptor Noise and Vibration Impact Monitoring
- Holsworthy Car Park – Assessment of Existing Structural Response
- 128 Military Road – Building Damage
- Peters of Kensington – Building Damage
- Baal Bone Colliery – Vibration & Overpressure measurements during explosives testing
- Barangaroo South Stage 1B – unattended dust (PM10) monitoring and attended odour and VOC measurements