

THOMAS DUFTY

ENGINEER



AREAS OF EXPERIENCE

- Construction Noise and Vibration Monitoring
- Air Quality Management
- Road Traffic Noise
- Field Olfactometer Testing
- Noise Modelling – Soundplan, CadnaA, Predictor, ENM
- Air Quality Modelling – Calpuff, Aermod, TAPM
- Mapping – Autocad, QGIS

QUALIFICATIONS

- Bachelor of Mechanical Engineering (UNSW) Hons 1st Class 2nd Degree
- Odour Sensitivity Screening in accordance with AS4323.3-2001

OH&S / SAFETY

- OH&S Construction White Card

EMPLOYMENT HISTORY

- Sep 2016 – Present Engineer, Wilkinson Murray
- Aug 2016 – Sep 2017 Graduate Engineer, Wilkinson Murray
- April 2015 – Jun 2016 Graduate Project Analyst, Rural Funds Management

PROFILE

Tom has a Bachelor of Mechanical Engineering from the University of New South Wales (UNSW).

Since joining Wilkinson Murray as a Graduate Engineer in August 2016, Tom has been involved in a range of projects both large and small, including unattended and attended monitoring for noise and vibration, noise and vibration control design, odour and air quality management. Tom has extensive experience in both noise and air quality modelling on a variety of platforms.

Some of the projects Tom has worked on are shown below.

NOISE & VIBRATION

- Barangaroo – Noise Control
- Newcastle Residential Music Studio – Glazing and Partition – Noise Assessment
- Pacific Highway Upgrade W2B – Noise Modelling – Road Traffic Noise Assessment
- Cross-Fit Chatswood – Noise Assessment
- Murrurundi Service Station – Acoustic Assessment
- Pacific Highway F2E Post Opening Noise - Compliance assessment
- M5 East Opening Compliance – Road Traffic Noise
- Sydney Light Rail Construction compliance – Noise and Vibration
- Moorebank Intermodal Terminal – Rail Noise Assessment
- Jannali Station Upgrade– Construction Noise and Vibration
- Leura Station Upgrade – Construction Noise and Vibration
- Leura Station upgrade- Construction Noise compliance
- Perth Airport New Runway – Ground Noise Modelling
- Melbourne Airport Master Plan – Aircraft Noise Data Analysis
- Darling Square Master plan – Residential Glazing and Contribution allocation
- KFC Head office – Fitout specification

AIR QUALITY

- Barangaroo Air Quality and Odour Management
- Fairfield Sustainable Resource Centre – Air Quality Impact Assessment
- TfNSW Transport Access Program - Air Quality Impact Assessment
- Malsbury Road Child Care Centre – Air Quality Impact Assessment
- The Ridge Child Care Centre – Air Quality Impact Assessment