

**Curriculum Vitae
BRIAN CLARKE**



BE(Mech), MIE

Position

Senior Associate, Wilkinson Murray

**Qualifications
& Affiliations**

- Degree (Honours) Mechanical Engineering – UTS
- Certificate in Marketing – UTS
- Member of the Institution of Engineers of Australia (MIE)

Special Expertise

- Accredited Assessor in the ABGR and NABERS Schemes
- Accredited Greenstar Professional
- Land and Environment Court Expert Witness Training

Employment History

Engineer, State Rail Authority of NSW

Consultant, Wilkinson Murray

Sales Engineer, Acoustica

Consultant, RFA Acoustic Design

Manager, Building Group, Heggies Australia Pty Limited

Business Manager Acoustics Energy and ESD, Heggies Australia Pty Limited

Present

Senior Associate, Wilkinson Murray

Brian has extensive experience in consulting, management, engineering and business development. In addition he has a high level of competency in a number of technical fields including building services, energy, acoustics and ESD. He also has extensive experience in building design and operation.

PLANT ENGINEER – STATE RAIL AUTHORITY OF NSW CHULLORA

Following a six year cadetship which consisted of yearly cycles of five months study and seven months work experience in various heavy industrial facilities, Brian was attached to the Plant and Equipment section of the Railway. In this position he was responsible for the repair maintenance and replacement of plant and equipment ranging from track maintenance machines to hand held tools.

AIR CONDITIONING MANAGER – STATE RAIL AUTHORITY OF NSW

Brian was attached to the air conditioning section of the SRA for seven years. For five of these years he was the manager of this section responsible for over 15 staff. Responsibilities included maintenance, repair and replacement of building services and associated plant in buildings ranging from office blocks (Transport House) to training facilities to individual residences. As such he has extensive hand on experience in the control and management of a government business group.

BUILDING GROUP MANAGER – HEGGIES AUSTRALIA

Brian was most recently an Associate and Building Group Manager within Heggies Australia. There, he was responsible for the management and delivery of multidisciplinary assessment for a range of Government and Private Clients as follows:

- Liaison with Local Authorities and appearances as an Expert Witness in the Land and Environment Court
- Architectural Acoustics and Mechanical Services Noise and Vibration
- Energy Efficiency (including Audits) and Solar Studies, Reflectivity, Over-Shadowing
- Noise and Vibration (N&V) Impact Assessments – Industrial and Commercial Developments, Mines and Quarries; Environmental N&V for Road, Rail and Aircraft Projects; Construction N&V; Occupational N&V Exposure
- Liaison with Local Authorities and appearances as an Expert Witness in the Land and Environment Court
- Noise and Vibration Control - Design of Silencers, Attenuators, Enclosures; Resilient Pads for Buildings, Ballast Mats, Tuned Mass Dampers
- Blast Impact Assessment and Design; Damage Assessments and Dilapidation Surveys
- Wind Engineering - Environmental Winds, Natural Ventilation, Wind Loading, Wind Amelioration, Indoor Air Quality
- Building Vibrations - Wind, Seismic, Mechanical, Groundborne
- Structural Dynamics - including Experimental Modal Analysis, Dynamic Finite Element Analysis and Design of Vibration Isolation Systems
- Air Quality Assessment and Measurement - including greenhouse gas inventories, wind climate analysis, pollutant dispersion modelling, natural ventilation analysis, CFD, atmospheric pollutant monitoring, EIS reports, environmental management plans, OH&S monitoring

SENIOR ASSOCIATE – WILKINSON MURRAY

Brian is a senior associate of Wilkinson Murray. Brian provides and co ordinates the provision of service in the following disciplines

- Noise and Vibration (N&V) Impact Assessments – Industrial and Commercial Developments, Mines and Quarries; Environmental N&V for Road, Rail and Aircraft Projects; Construction N&V; Occupational N&V Exposure
- Air Quality Assessment and Measurement - including greenhouse gas inventories, wind climate analysis, pollutant dispersion modelling, natural ventilation analysis, CFD, atmospheric pollutant monitoring, EIS reports, environmental management plans, OH&S monitoring
- Liaison with Local Authorities and appearances as an Expert Witness in the Land and Environment Court
- Architectural Acoustics and Mechanical Services Noise and Vibration
- Energy Efficiency and Greenhouse Gas audits and assessments

Some of the major projects where Brian has had substantial involvement include:

- Southern Distribution Hub
- Mangoola Mine EIS
- Newcastle Ports Mayfield Site
- Kembla Grange Asphalt Plant
- Victoria Road Widening
- Boydtown Sand Extraction
- The Bond Building – New Bovis Lend Lease Headquarters
- Nokia Commercial Building – Jacksons Landing
- Residential Development at Jackson Landing
- Bondi Rail Link EIS
- Minto Glass Recycling Facility
- The Point Luxury Apartments
- The Sovereign Commercial Building Auckland
- National Gallery of Australia Extensions
- Albion Park Asphalt Plant Noise and Air Assessment
- Coopers Peak Residential Development
- Stockland Head Office New Headquarters
- Stockland Greenhills
- RAAF Richmond Squadron Headquarters
- Bonnyrigg Shopping Centre
- Rhodes Corporate Park
- The Wave Apartment Building Broadbeach
- The Eclipse Abatements