

## *Terry George*

Terry has over 20 years experience, practicing as an acoustical engineer in Western Australia. Terry has been involved in a wide range of acoustical issues and undertaken numerous projects with regards to transportation noise. This can cover many areas such as construction noise and vibration, operational noise and vibration from the road or rail or received noise and vibration if working for a developer alongside a transportation corridor. Terry prides himself in providing the client with the information they require in a timely manner.



## *Qualifications*

- Bachelor of Engineering (Mechanical) degree with 1<sup>st</sup> Class Honours from the University of Western Australia (1996);
- Approved Noise Officer (No. 07030);
- Member of the Australian Acoustical Society; and
- Institute of Engineers Australia (No. 1406934).

## *Projects Experience*

- **Noise & Vibration: City of Cockburn Lakes Revitalisation** - This project, included modelling of noise and vibration levels to existing residences adjacent an existing freight line, due to the adjoining land being available for redevelopment with higher r-coding. The assessment included noise and/or vibration measurements at 13 residences. Noise and vibration contours were produced along with identification of architectural treatment requirements for the future redeveloped residences.
- **Low Frequency Noise: Freight and Logistics Council of Western Australia** - A review was undertaken of the adequacy of the current SPP 5.4 and the associated packages within the Guidelines. Considering the  $L_{Amax}$  parameter and low frequency component from locomotives, new architectural packages were developed and put forward.
- **Regenerated Noise: Perth Underground** - Acted in the role as Reviewer for the project, which included significant portions of rail that would be underground and their impact on existing buildings in the Perth CBD.
- **Best Practice Noise and Vibration Mitigation Measures: Fremantle Roundhouse**. This project required the assessment of noise as freight trains traversed a curved track. Various controls were considered and assessed including lubricants and train speed. The assessments were undertaken for the normal train activities, as well as a control train.
- **Presentations at Community Events:** Presentations have been undertaken at Landcorp as part of the Oakajee rail freight corridor project as well as others relating to vibration from freight trains in Jandakot and road projects for MRWA and local governments.