



PETER BUNKER

Director

QUALIFICATIONS

M.Sc. Adelaide University

B.Eng. Mech, Monash University

Dip.Ed. Adelaide University

SUMMARY

Peter Bunker is a director of Tarkarri Engineering in Launceston Tasmania.

Peter opened the Tarkarri office in 1986, representing Vipac Engineers & Scientists in Tasmania. He previously worked at Vipac Melbourne as a Senior Engineer from 1977- 1986. Peter worked as a Confederation of British Industries Scholar in England in the field of Bio-Engineering, and undertook contract drafting and engineering in both Britain and Australia.

He is experienced in the planning, design, implementation and management of a wide range of acoustic and vibration engineering projects in a range of industries including rail, thermal power generation, open cut and hard rock mining, automotive, pulp & paper, food processing, hydro electric power generation, cement production, aluminium smelting, timber processing, environmental, architectural, and manufacturing.

KEY SKILLS AND AREAS OF EXPERTISE

Road and Rail Acoustics
Construction Noise and Vibration
Industrial Acoustics
Environmental Acoustics
OH & S Acoustics
Architectural Acoustics
Machine and Structural Vibration
Project Management
Air Quality
Multi channel data acquisition
Remote data acquisition

RECENT WORK

Environmental noise assessments, investigations, noise control designs & acoustic modelling

OH&S noise surveys and noise controls

- Managing and conducting vibration condition monitoring programs for mining, minerals processing, timber, food processing and manufacturing industries throughout Tasmania since 1987
- Development of real time, remote access, monitoring system for multi location continuous environmental noise measurement and recording
- Technical investigations of structural dynamics problems including strain gauging and multi channel data acquisition
- Online, remote, multi channel monitoring of mine winder vibration
- Pulp mill project environmental noise & vibration management
- Management of environmental noise projects for various industries
- Silencer designs including design of tuned resonant cavity silencers for mine vent fans
- Investigation of heavy vehicle dynamics
- Whole-body vibration studies
- Quarry ground vibration and blast overpressure measurements, modelling and prediction
- Environmental noise assessments, investigations, noise control designs & acoustic modelling
- OH&S noise surveys and noise controls
- Traffic noise assessments and acoustic modelling of traffic noise
- Architectural acoustics
- Hand-arm vibration study
- Investigation of wave action on pontoons
- Environmental noise modelling of Gas Turbine and Heat Recovery Steam Generator installation
- Combined cycle power station environmental noise, modelling and noise control design investigations
- Development of Noise Management Plan for Tasmanian railways
- Development of environmental noise model for diesel powered freight rail operations and investigation of rail noise complaints
- Liaison with Environment Protection Authority (EPA) on behalf of clients