



2 June 2021

Jim Betts
Secretary
Department of Planning, Industry and Environment
Locked Bag 5022
PARRAMATTA NSW 2124

Boral Australia
Level 18, 15 Blue Street
North Sydney, NSW 2060

PO Box 1228
North Sydney, NSW 2059

T: +61 (02) 9220 6300
F: +61 (02) 9233 6605

www.boral.com.au

Boral Limited
ABN 13 008 421 761

Dear Mr Betts

RE: DUNMORE LAKES MODIFICATION 2 – DA 195-8-2004-MOD 2 –
ENDORSEMENT OF CONSULTANT

Dunmore Sand & Soil Pty Limited (DSS) was granted approval for DA 195-8-2004-MOD 2 in November 2020. This letter seeks your endorsement of RWDI to prepare the Noise and Air Quality Management Plans for Stage 2-5 operations.

In accordance with Schedule 3 Condition 17 and 20B, DSS seeks to engage RWDI to prepare the above management plans. Roman Haverkamp Maas and Nic Hall are the lead consultants acting for RWDI, who both have extensive experience in acoustics and air quality respectively. Their CVs are attached for your information.

Should you have any further questions relating to the information provided in this letter, please do not hesitate to contact me on 0418 748070.

Yours faithfully

Kate Jackson
Regional Manager – NSW/ACT
Boral Land & Property Group

ROMAN HAVERKAMP MAAS

SENIOR ENGINEER

T: 612 94374611 | Roman.Haverkamp@rwdi.com



A senior engineer with almost two decades of professional experience in environmental acoustics, Roman has consulted with a wide range of industries throughout Australia. He has lent his knowledge to numerous projects, routinely project managing and conducting environmental noise impact assessments involving detailed and complex noise models. Roman specializes in industrial, construction and transportation noise and vibration, with a particular focus on mines, collieries, and quarries. His experience in industrial noise stems from extensive involvement in numerous large-scale surface operating mining projects, including Tarrawonga Coal Mine, Vickery Coal Mine, Mount Pleasant Operation, Cadia Valley Operations, Maxwell Project, Maules Creek Coal Mine, and Mount Arthur Coal Mine.

- F5, NCA22 – Acoustic Barrier Design
- Pacific Highway, Oxley Highway to Kempsey - Environmental Impact Statement

Employment History

2020-Present
**Senior Engineer,
RWDI**

2012-2020
**Senior Engineer,
Wilkinson Murray**

2006-2012
**Project Engineer,
Wilkinson Murray**

2003-2006
**Technical Officer,
Wilkinson Murray**

Education

**BA (Recording Arts)
(Hons)**

**Certificate IV in
Multimedia
Production**

**Certificate IV in
Audio Engineering**

**Distance Learning
Program for
Professional
Education in
Acoustics
(Association of
Australasian
Acoustical
Consultants)**

Project Experience

Industry

- Vickery Coal Mine - Noise and Blasting Impact Assessments
- Mount Pleasant Operation - Noise and Blasting Impact Assessments & Noise Management Plan
- Tarrawonga Coal Mine - Noise Impact Assessment
- Cadia Valley Operations - Noise Impact Assessments
- Maxwell Project - Noise and Blasting Impact Assessment
- Maules Creek Coal Mine - Noise Impact Assessment
- Narrabri Mine - Noise Impact Assessments
- Ulan Coal Mine – Noise Impact Assessments
- Marulan South Limestone Mine – Noise and Blasting Impact Assessment
- Russell Vale Colliery - Noise Impact Assessments & Noise Management Plan
- Calga Sand Quarry - Noise Impact Assessments
- SUEZ Advance Waste Treatment Facility – Noise Impact Assessment
- AGL Camden Gas - Noise Impact Assessments

Construction

- Victoria Road Upgrade – Noise Monitoring and Management
- South Sydney Freight Line - Construction Noise and Vibration Impact Statements

Transport

- Cronulla Duplication
- Hume Highway Duplication Project – Operational Noise Impact Statement



NIC HALL

SENIOR ENGINEER | ASSOCIATE

T: 61 409 941606 | Nic.Hall@rwdi.com



A senior engineer with over 10 years of professional experience in the fields of acoustics and air quality, Nic has consulted with a wide range of sectors and industries throughout Australia and overseas. He has lent his knowledge to numerous projects, routinely project managing and conducting environmental noise and air quality monitoring surveys and impact assessments. Nic specializes in environmental noise & vibration, air quality, and transportation noise & vibration.

Project Experience

Environmental Noise and Vibration

- Boral Dunmore Concrete Batching Plant
- Badgerys Creek Quarry and Brick Manufacturing
- Wambo Mine Noise Audit
- Dunmore Sand Mine

Air Quality

- Stadium Australia Redevelopment
- Vinfast Vehicle Manufacturing
- Sydney Zoo
- Perth Airport

Transportation Noise and Vibration

- Newell Highway – Mungle Back Creek to Boggabilla
- Great Western Highway, Katoomba to Mt Victoria Safety Upgrade
- Pacific Highway Herons Creek
- Sydney Airport Masterplan

Other

- Ettalong Beach Vibration Monitoring
- Wagga Wagga Harness Racing Club
- Sydney Trains Maintenance Depo
- Turner's Heavy Haulage

Employment History

2020-Present
**Senior Engineer,
RWDI**

2017-2020
**Manager (Wollongong),
Wilkinson Murray**

2015-2017
**Manager (Newcastle),
Wilkinson Murray**

2012-2015
**Project Engineer,
Wilkinson Murray**

2007-2012
**Development Engineer –
Vehicle Refinement,
Ford Australia**

Education

**Bachelor of Engineering
(Mechanical)**

Affiliations

**Member, Clean Air
Society of Australia and
New Zealand (CASANZ)**

