Traffic Management Plan

Environmental Management and Monitoring Program

Appendix VI

Gunlake Quarries

December 2009
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1. INTRODUCTION

This Traffic Management Plan identifies the controls and management techniques required to manage and control traffic associated with the ongoing operations of the Gunlake Quarry. It forms part of the Environmental Management and Monitoring Program (EMMP) of the Quarry.

Gunlake will establish new, use existing and upgrade existing roads that are under the control of Goulburn Mulwaree Council and/or the NSW RTA. This Traffic Management Plan has been developed in consultation with both groups (Refer Section 7).

The Plan also enables compliance with the consent conditions contained in the Project Approval for the Gunlake Quarry dated 24 September 2008 (EMMP Appendix II, Schedule 3, Condition 35), following;

35. The Proponent shall prepare and implement a Traffic Management Plan for the project in consultation with the RTA and Council, and to the satisfaction of the Director-General prior to the commencement of construction work on a public road. This plan must describe what measures would be implemented to:

(a) maintain the public roads;
(b) minimise the potential noise and safety impacts associated with construction and operational traffic; and
(c) keep the community informed of any traffic disruptions that would be caused by the project.

2. OBJECTIVES OF THE TRAFFIC MANAGEMENT PLAN

This Traffic Management Plan provides a traffic management strategy for the operation of the Gunlake Quarry and for the upgrade of sections of Brayton Road. The objectives are:

- minimise the potential for traffic conflict resulting from traffic movements associated with the operations of the site, and during the construction works.
- promotion of employee and community road safety awareness to ensure a road environment where all road users feel safe from traffic movements associated with the ongoing operations of the site, and during the construction works.
- compliance with Project Approval conditions and undertakings,
- compliance with traffic management policies in accordance with requirements of Roads and Traffic Authority (RTA) and Goulburn Mulwaree Council,
- compliance with occupational health and safety standards in accordance with the Occupational Health & Safety Act 2000,
- establish, maintain and ensure compliance with a Driver Code of Conduct, and,
- establish and maintain a monitoring and reporting system for compliance with the Driver Code of Conduct.

The Plan addresses:
the measures to be implemented to maintain the public roads, to minimise the potential noise and safety impacts associated with construction and operational traffic, and to keep the community informed of any traffic disruptions that would be caused by the project,

behaviour requirements for heavy vehicle drivers, either employees of Gunlake or contractors engaged for deliveries and product despatch,

implementation of the appropriate Occupational Health & Safety controls, as per the Occupational Health & Safety Act 2000 required for ensuring the safety of employees and the public. This includes instruction and training as per the Occupational Health and Safety Act 2000 and Council procedures regarding this Act, and,

instructions and training to be provided by the Quarry to staff under their obligations as per Occupational Health & Safety Act 2000 and Council Procedure regarding this Act,

3. RESPONSIBILITIES

Gunlake Quarry Director

The Gunlake Quarry Director is responsible for ensuring the operation of the Quarry’s Environmental Management and Monitoring Program (EMMP) including the Traffic Management Plan.

This includes:

- establishing a Drivers Code of Conduct,
- ensuring performance objectives and targets are established, monitored and achieved,
- defining responsibilities for the Traffic Management Plan,
- ensuring the availability of resources,
- communicating the importance of the Traffic Management Plan, road safety awareness and meeting statutory and regulatory requirements,
- conducting management reviews of the Traffic Management Plan,
- verifying the implementation of corrective and preventive actions, and,
- recognising and responding to community concerns.

Quarry Manager

The Quarry Manager has the responsibility and authority to ensure that the objectives of the Traffic Management Plan are achieved.

This includes:

- ensuring staff are trained and updated on the Traffic Management Plan and road safety
awareness, responsibilities, instructions and procedures,

- ensuring traffic operations comply with Project Approval conditions (EMMP Appendix II), Environmental Protection Licence (EMMP Appendix IV), and relevant legislation requirements, including Occupational Health & Safety Act 2000,
- reviewing traffic operations and implementing strategies to minimise the potential for traffic conflict resulting from traffic movement,
- ensuring traffic incidents are investigated and corrective and preventative actions taken,
- developing and implementing contingency plans to respond to traffic incidents,
- identifying, reducing and preventing traffic movements that may result in traffic conflict, and,
- identifying, reporting and recording traffic incidents.

4. ROAD SAFETY AWARENESS & DRIVER CODE OF CONDUCT

Gunlake Quarries is committed to ensuring employees and the general public are aware of potential impacts of traffic-movements-associated operations on the environment and the community.

All general public with the potential to be affected by the on-going operations of the Quarry, will be made aware of any project impacts and mitigation measures that the Quarry will put in place to minimise these impacts.

All employees are encouraged to adopt road safety behaviour to ensure a road environment where all road users feel safe from traffic movement associated with the operations of the site.

All employees and contractors are expected to comply with the relevant legal requirements and accepted community standards whilst travelling to and from work or on company business.

The company has a Heavy Vehicle Drivers Code of Conduct and all drivers are required to fully comply with this Code.

5. TRAINING

Education and training will form an integral and ongoing component of the Traffic Management Plan.

The education and training program will be implemented through:

- site induction sessions, and,
- site safety groups.
6. TRAFFIC MANAGEMENT STRATEGIES

6.1. TRANSPORT IMPACTS

The Gunlake Quarry is located at Marulan, approximately 8 km North West of the village along Brayton Road. Brayton Road provides access to the Hume Highway, the major road traffic route for deliveries to and despatched from the site. Access to the site is from Brayton Road via a single security gate (Appendix A, Local Area Map - Access Routes).

Supplies are delivered to the Gunlake Quarry site by road transport only and there is no rail access. The traffic movement are predominantly from the east along Brayton Road entering and leaving the site via the security gate.

Finished products are despatched from the site by road transport. The road transport despatches are restricted.

This Traffic Management Plan covers Stage 1 of the product transportation. For descriptions of this stage of the project refer to the Gunlake Quarry Project Environmental Assessment dated February 2008 (EMMP Appendix I, Volume I, Section 2.6.4).

During Stage 1 of the project product transport can occur between 6.00 am till 7.00 pm Monday to Friday and between 7.00 am and 1.00 pm on Saturdays. There is no product transport on Sundays or Public Holidays.

Employees and contractors use a range of small road vehicles. These vehicle movements are from both the east along Brayton Road and are predominantly in the period at the start and end of work periods, which is typically 6.00 am to 7.00 pm.

Potential external impacts associated with these movements are predominantly related to road and vehicle noise from traffic movements along Brayton Road as part of the on-going operations of Gunlake Quarry.

Construction activities required for the upgrade of Brayton Road will temporarily increase noise levels over the regular levels. However, construction activities will not be continuous.

Noise levels due to the on-going operations of the Quarry will comply with the DECC Road Traffic Noise Criteria of L\text{Aeq}(1\text{hour}) 60 \text{ dB} for day (7 \text{ am} – 10 \text{ pm}) and L\text{Aeq}(1\text{hour}) 55 \text{ dB} for night (10 \text{ pm} – 7 \text{ am}) conditions.

Construction works will be in accordance with standard Council traffic management procedures.

There may be short-term congestion at sections of Brayton and Road during upgrade activities with potential impact on local residents, commuters and tourists living adjacent to and using Brayton Road.

6.2. DRIVER CODE OF CONDUCT

All employees and contractors will be made aware that responsible driving is a condition of employment at the Gunlake Quarry.

Gunlake has developed a Driver Code of Conduct for Heavy Vehicles. This code outlines the driving behaviour expected of all employees and contractors.
All drivers will be trained in the Code of Conduct and audits of the compliance with the Code will be conducted. All drivers reported or found to be acting in a manner contrary to the Code will be subject to disciplinary action.

6.3. TRANSPORT MITIGATION STRATEGIES

In accordance with this Traffic Management Plan, the following actions will be implemented for both the on-going operations of the Quarry and also during to the construction of any upgrade works:

- ensure all drivers (Quarry employees and contractors) are aware of the requirements of the Traffic Management Plan,
- ensure all drivers (Quarry employees and contractors) are aware of and trained in the requirements of the Driver Code of Conduct, and,
- all traffic associated with the upgrade of Brayton Road will be managed in accordance with standard road construction practices.

On-site traffic movements during the on-going operations of the Quarry will be controlled by:

- ensuring all drivers are aware of the requirements of the Traffic Management Plan, and
- ensuring all drivers are aware of and trained in the requirements of the Driver Code of Conduct.

7. CONSULTATION WITH COUNCIL AND RTA

Gunlake will establish new, use existing and upgrade existing roads that are under the control of Goulburn Mulwaree Council and/or the NSW RTA. This Traffic Management Plan has been developed in consultation with both groups.

The RTA have advised that they have no requirement in relation to the Stage 1 roadworks.

Gunlake and Council have undertaken extensive discussions in relation to upgrading Brayton Road and Council have issued a section 138 permit under the Roads Act 1993. Council have confirmed that they do not have any Traffic Management Plan guidelines.

The works approved will include the provision for site preparation. This will include site office facilities, temporary toilet facilities, limitations on the work footprint and the provision and protection of any temporary services.

Gunlake will undertake all erosion and sediment control in accordance with RTA QA Specification R2. They will be required to avoid erosion, contamination and sedimentation of the site, surrounding areas and natural drainage systems. Sediment control devices will be placed immediately downstream of all works.

In relation to vegetation clearing, Council has recently undertaken extensive roadside vegetation clearing along the full length of Brayton Rd therefore very minimal, if any, further clearing will be required by Gunlake.
All stormwater drainage will be carried out in accordance with the RTA’s QA Specification R11.

Gunlake will notify residents along the works site by a letter drop prior to commencing work on Brayton Road. This letter will include details of the works, likely duration and a contact number for information and complaints etc.

In addition to these standard road construction practices Gunlake have committed to a comprehensive range of management actions to minimise environmental and community impacts during the upgrading of Brayton Road. These are included in the Laterals Planning study included in the Project Environmental Assessment (EMMP Appendix I, Volume IV, Part 8A). They are also summarised in Section 4B.12.3 of the Project Environmental Assessment.

Gunlake is finalising an Emergency Response Plan that will be applicable to all traffic incidents. During Stage 1, the roadworks will be undertaken on or adjacent to public roads. Consequently, the normal civil emergency procedures operated by Fire Services, Police and Ambulance will be applicable during Stage 1 development. Gunlake will ensure that all employees and contractors have a record of emergency contact numbers for these organisations. All employees and contractors will be required to have functional telephone equipment to ensure contact can be made with these emergency organisations if required.

8. **MONITORING**

Data about traffic movements associated with the normal operations of the site will collected and reported to the Quarry Manager.

The controls implemented to cover the employer obligations of Occupational Health and Safety requirements will be assessed regularly, to determine the effectiveness of the OH&S controls.

Reports of driver behaviour contravening the Code of Conduct, or other reports/complaints from residents will be immediately referred to the Quarry Manager who will institute corrective and/or disciplinary action.

9. **CORRECTIVE AND PREVENTIVE ACTIONS**

In the event of a breach of the Traffic Management Plan or Driver Code of Conduct, the potential causes of the breach will be investigated and appropriate corrective and preventative actions undertaken.

Any preventative actions and changes to work instructions and procedures determined will be documented and included in the Traffic Management Plan and Driver Code of Conduct.
10. REPORTING

Project reporting requirements are defined in Conditions 3 and 4, Schedule 5 of the Project Approval (EMMP Appendix II). Condition 3 requires Gunlake to report any exceedance of the goals/limits/performance criteria or an incident causing (or threatening to cause) material harm to the environment. This report has to be submitted with the Department of Planning and the Department of Environment and Climate Change within 7 days of the exceedances or incident. The required contents of the report are detailed in Condition 3, Schedule 5 of the Project Approval.

Condition 4 requires Gunlake to submit an Annual Environmental Management Report (AEMR) to the Department of Planning each year. The first of these AEMRs is due to be submitted 12 months after the date of approval. Correspondence from the Department of Planning confirms the date of approval as 14 May 2009. The AEMR should also be submitted to the Community Consultative Committee and relevant agencies. The contents required for the AEMR are detailed in Condition 4, Schedule 5 of the Project Approval.

The Gunlake Quarry Environmental Protection Licence No. 12012 (EMMP Appendix IV) also specifies reporting requirements. In accordance with the Licence, Gunlake has to submit an Annual Return to the Environment Protection Authority (EPA) no later than 60 days after the anniversary date of the Licence. The anniversary date of the Gunlake Quarry Licence is 13 July and consequently, the Annual Return has to be submitted by 11 September each year.

The Annual Return to the EPA must include a Statement of Compliance and a Monitoring and Complaints Summary. Conditions R1.1 to R1.9 of the Licence define details of the EPA’s requirements for the Annual Return.

Condition R2 of the Gunlake Quarry Environment Protection Licence also requires Gunlake and its employees to notify the EPA as soon as practicable after they have become aware of an incident causing or threatening material harm to the environment. Notification must be made by telephoning the Environmental Line service on 131 555.

Condition R3 of the Gunlake Quarry Environmental Protection Licence enables an authorised officer of the EPA to request Gunlake prepare a written report on any event that they have reasonable grounds to suspect that the event is causing or likely to cause material harm to the environment. The type of information that the officer may request is detailed in Condition R3.3 of the Licence.

11. REVIEW

The Traffic Management Plan and Driver Code of Conduct will be reviewed annually, when significant changes to traffic movement occur or as otherwise directed by the Director-General of Planning NSW, to reflect changes in local conditions and operational matters.
APPENDIX A

LOCAL AREA MAP – ACCESS ROUTES
Stage 1. Saleable Products Transport Route