

Appendix E

Community consultation materials



The Gunlake Extension Project Factsheet No. 1

Overview

Gunlake Quarry is a hard rock quarry operated by Gunlake Quarries Pty Limited (Gunlake). It is located approximately 7 kilometres (km) north-west of Marulan in the Goulburn Mulwaree local government area. Gunlake Quarry has been operating since 2009 and Gunlake is proposing to extend these operations.

Gunlake seeks a new development consent that allows:

- 2 million tonnes per annum (Mtpa) of saleable products to be produced;
- an increase in truck movements to an average of 440 movements (ie 220 deliveries) per day;
- extension of the quarry pit footprint to approximately 49 hectares;
- 24 hour per day primary crushing;
- additional overburden emplacement to accommodate the increase in production; and
- blasting twice weekly.

Gunlake is also seeking to maintain the approval for all aspects of the existing operations under Project Approval 07-0074.

A detailed environmental impact statement (EIS) is being prepared in accordance with the Secretary's Environmental Assessment Requirements (SEARs), issued by the Department of Planning and Environment on 2 July 2015.

Consultation

Community engagement is an important part of Gunlake's ongoing commitment to Marulan, Towrang, Greenwich Park, Big Hill and surrounding areas.

Gunlake has engaged with a number of stakeholders during the early stages of the project, including State government agencies, Goulburn Mulwaree Council and the community.

Further consultation is planned with all of these stakeholders.

Project benefits

Gunlake will continue to make key contributions benefiting the local area. These include:

- continued employment of 50 people, including truck drivers. The expanded quarry would employ about 77 people with a direct annual economic benefit of about \$5 million;
- capital road works: Gunlake has spent \$3.3 million to date on local roads, while Brayton Road is currently being upgraded by Council using Gunlake's contributions under Section 94 of the *Environmental Planning and Assessment Act 1979*; and
- ongoing s94 contributions to Council (estimated to be \$18.9 million over 30 years) that will substantially exceed (by about \$7 million over 30 years) the costs of additional road maintenance required as a result of the use of local roads by quarry trucks.

Potential impacts of the proposed extension

Key matters raised during community consultation to date have been the potential impacts of the project on roads and traffic, noise levels and air quality.

Transport

Truck movements are recognised as the biggest potential impact on the community and will be assessed in detail. A "truck movement" is a journey in one direction - so to deliver one load of product requires two truck movements.

At present, about 89% of truck movements are along Brayton Road/Bypass Road/Red Hills Road, the primary haul route, and less than 11% of truck movements are along Brayton Road and through Marulan, the secondary haul route.

Truck movements will gradually increase over 5 to 10 years. Holcim's Johnniefields Quarry is expected to be shut before full production at Gunlake Quarry is reached. At maximum production there will be, on average, one truck movement every three minutes so, on average, there will be three trucks on the primary haul route at any one time.

At full production, about 94% of truck movements will be along the primary haul route and less than 6% of truck movements will be along the secondary haul route. There will be no change in the number of truck movements through Marulan as a result of the project.

In response to community feedback on safety, trucks have recently been instructed to travel at a maximum speed of 80 km/h between Gunlake Quarry and the Hume Highway.

A common question from stakeholders has been whether material from the quarry can be transported by rail. In response, a transport options study will be undertaken to determine the viability of transporting product to Sydney destinations by train.

Noise

The project will increase production and processing, and the associated truck movements, and so will increase noise emissions.

It is important to note that increases in noise emissions do not result in a linear increase in perceived additional noise. For example, doubling noise emissions will generally only increase noise levels at receivers by about 3 dB. Quarry and traffic noise levels will be comprehensively assessed in the EIS, as required in the SEARs. This will include:

- measuring noise levels for the equipment currently operating at the quarry (completed);
- additional background noise monitoring along Brayton Road (completed);
- modelling noise levels at all residences within 3 km of the processing plant or within 600 m of the Brayton Road/Bypass Road/Red Hills Road route and selected residences along the Brayton Road/George Street/Interchange underpass route;
- modelling of noise levels from trucks; and
- modelling of the cumulative noise levels from quarries in the area.

Air quality

The project will increase dust-generating activities, as a result of increased processing, and the larger pit area.

Air quality (including dust levels) will be comprehensively assessed in the EIS, as required in the SEARs. This will include:

- determining emissions from additional open areas and equipment;
- site-specific material characterisation;
- quantitatively modelling of total suspended particulates, PM₁₀, PM_{2.5}, dust deposition, respirable crystalline silica and diesel emissions (nitrous oxides);
- extending the assessment area to include residences within 600 m of the primary haul route - this will include assessment of diesel fumes and dust from trucks; and
- modelling of the cumulative air quality impacts of quarries in the area.

Project development and the approval process

An overview of the project and the SEARs can be viewed and downloaded from the Department of Planning and Environment's Major Project website: (http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=7090).

The project has been classified as State Significant Development under the *Environmental Planning and Assessment Act 1979*.

EMGA Mitchell McLennan Pty Limited (EMM) is preparing a detailed EIS for the proposed extension. The EIS will address the matters detailed above as well as a suite of other matters, such as biodiversity, water and social impacts. The EIS will include assessments undertaken in accordance with the SEARs and contemporary policies and guidelines.

Gunlake is working with EMM to ensure that the project design and proposed environmental management measures will avoid or minimise impacts as far as possible. The EIS and associated specialist studies will include detailed assessment of the community matters raised during consultation.

Want more information?

If you want more information on the Gunlake Extension Project, or to register your interest in the project, please contact Ed O'Neil:



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