

Gunlake Quarry



Traffic Management Plan

March 2020

Document Control Details

DOCUMENT DETAILS	Name:	Traffic Management Plan
	Author:	Kirsty Nielsen
	Reference:	
	Revision No.:	8
	Document Status	Operational.

REVISION DETAILS	Revision No.	Date	Details of Revision	Reviewed By	Approved By
		1	7/12/09	Final for issue	Ed O'Neil
	2	31/1/13	Stage 2 Update	Ed O'Neil	Ed O'Neil
	3	28/8/15	Management Review	Ed O'Neil	Ed O'Neil
	4	31/8/15	Final for Issue	Ed O'Neil	Ed O'Neil
	5	26/2/16	Updated to include agency correspondence	Kirsty Nielsen	Ed O'Neil
	6	30/10/17	Update with 2017 consent	Kirsty Nielsen	D Kelly
	7	13/04/18	Update with DPE comments	K Nielsen	D Kelly
	8	04/03/20	Management Review following first Independent Environmental Audit of 2017 Development Consent	K Nielsen	D Kelly

CIRCULATION DETAILS	Date	Department/Organisation
	7/12/09	Department of Planning
28/8/15	Ed O'Neil Managing Director Gunlake Quarry	
31/8/15	Department of Planning	
21/1/16	Goulburn-Mulwaree Shire Council	
21/1/16	RMS	
26/2/16	Department of Planning	
2/2/18	Goulburn-Mulwaree Shire Council, RMS	
16/4/18	DPE	

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1. Introduction

1.1 Overview

This Traffic Management Plan has been prepared by Gunlake Quarries Pty Ltd (Gunlake) for Gunlake Quarry (the Quarry). The Quarry is located approximately 7 km northwest of Marulan, off the Brayton Road as shown on **Figure 1**.

Under Schedule 3, Condition 25 of the Development Consent for the Gunlake Extension Project, Gunlake is required to prepare and implement an updated Traffic Management Plan (TMP) in consultation with Transport for NSW – Roads and Maritime (Transport NSW) and Goulburn-Mulwaree Council, to be submitted to the Secretary of the Department of Planning, Industry and Environment (DPIE) for approval which was granted in May 2018. This updated version of the TMP represents a management review following the first Independent Environmental Audit of the SSD Development consent.

The Development Consent Conditions require the TMP to include a monitoring program and a protocol for evaluating compliance with the relevant criteria in the approval and forms one component of the overall Project Environmental Management Strategy (EMS). The EMS includes a number of commitments and component management plans which together form the basis for the ongoing operation of the Gunlake Quarry.

1.2 Haulage Routes and Destinations

The majority of the product from the quarry is transported north towards Sydney. Gunlake constructed a purpose-built bypass road known as Ambrose Road, that connects Brayton Road to Red Hills Road and then directly onto the Hume Highway for the purposes of alleviating transport impacts on the local road network (Primary Transport Route). Trucks transporting product to the south use Brayton Road around the northern edge of Marulan to access the Hume Highway via the Brayton Road southbound ramp on the Marulan Interchange (Secondary Transport Route).

Trucks returning from the north cannot make a right-hand turn from the Highway at Red Hills Road. They travel further south to the South Marulan Interchange on the Highway and use the grade-separated roundabout intersection to U turn and access the northbound lane in the Hume Highway and return to make a left-hand turn into Red Hills Road, and then use Red Hills Road, the Ambrose Road and Brayton Road back to the Quarry. Trucks returning from the southern customers travel north along the Hume Highway and utilise Red Hills Road, Ambrose Road and Brayton Road.

1.3 Aims and Objectives

This TMP provides a traffic management strategy for the operation of the Gunlake Quarry. The objectives are:

- minimise the potential for traffic conflict resulting from product transport;
- minimise the potential noise impacts associated with product transport;

- ❑ 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;
- ❑ compliance with development consent conditions and undertakings;
- ❑ compliance with traffic management policies in accordance with requirements of Transport for NSW - Roads and Maritime (Transport NSW) and Goulburn Mulwaree Council;
- ❑ compliance with occupational health and safety standards in accordance with the Work Health & Safety Act 2011 (the WHS Act); and
- ❑ establish, maintain and ensure compliance with a Truck Driver Code of Conduct.

The objectives of the Truck Driver Code of Conduct are to provide an effective mechanism to:

- ❑ ensure satisfactory driver behaviour and ensure community expectations are met;
- ❑ ensure that all drivers understand the Gunlake Quarry consent requirements in relation to transport;
- ❑ engage with Gunlake staff, transport contractors and subcontractors regarding the Work Health & Safety Act and mutual obligations;
- ❑ implementation of the appropriate Work Health & Safety controls, training and reporting systems.

A copy of the Truck Driver Code of Conduct is provided in Appendix B.

1.4 Current Approval Requirements

1.4.1 Development Consent

This TMP has been prepared in accordance with Condition 25 as outlined in Table 1.1.

Table 1.1 – Development Consent Conditions: Traffic Management Plan

Condition	Requirement	Where Addressed	
Schedule 3: 25	ENVIRONMENTAL PERFORMANCE CONDITIONS		
	Traffic Management Plan The Applicant must prepare a Traffic Management Plan for the development to the satisfaction of the Secretary. This plan must:	This Plan	
	(a)	Be prepared in consultation with Transport NSW and Council;	1.5
	(b)	Be submitted to the Secretary for approval within six months of commencing development under this consent and prior to commencing quarrying operations under this consent	Noted
	(c)	Describe the measure that would be implemented to avoid dispatching and/or receiving large groups or convoys of laden trucks from the site onto public roads;	3.6
	(d)	Include a Drivers' Code of Conduct as required under Condition 28 of Schedule 3;	Appendix B
(d)	Describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct; and	3.10	

Condition	Requirement		Where Addressed
	(e)	Include measures to minimise the transmission of dust and tracking of material onto the surface of the public road from vehicles leaving the quarry.	3.5

Conditions 23 to 29 of the Consent deal with traffic and transportation. Condition 26 deals with transport routes and required additional upgrading works. These are discussed in Section 2.1. Condition 28 deals with the Truck Driver Code of Conduct which is discussed in Chapter 3.

1.5 Consultation

Gunlake Quarries undertakes regular consultation with regulatory authorities. This included provision of draft versions of the 2018 TMP prior to finalisation. Comments received from government agencies were incorporated into the documentation as necessary. Stakeholder consultation is included in Appendix C. The TMP was provided to Council and Transport NSW for comment. Transport NSW has been consulted with extensively as part of the environmental assessment process of the Gunlake Extension Project. Council correspondence is included in Appendix C. Further consultation was undertaken as part of the Independent Environmental Audit and where relevant this plan has been updated to include the outcome of the consultation.

2. Traffic Management

This TMP represents an update to the 2016 TMP as a result of the 2017 State Significant Development approval which allows for an increase in production level and quarry footprint.

The quarry transport arrangements, access and transport logistics remain unchanged under the new development consent. The existing traffic controls and Truck Driver Code of Conduct however have been modified to take into account the additional Development Consent conditions.

2.1 Transport Options Review

Within 10 years of commencing development under the Extension Project Consent, and every 10 years thereafter, Gunlake will commission, commence and pay the full cost of a Transport Options Review for the development, as required by Condition 29, Schedule 3 of the Consent. This review will:

- be conducted by a suitably qualified, experienced and independent expert/s whose appointment has been endorsed by the Secretary;
- include detailed consultation with Transport NSW and Council;
- review the economic, social and environmental costs and benefits of all reasonable and feasible options for the transport of quarry products from the site (including by rail and including trucks movements currently permitted by this consent);
- recommend any appropriate measures or actions to reduce the economic, social and environmental costs associated with transport of quarry products from the site, and (e) be conducted and reported to the satisfaction of the Secretary.

Within 12 weeks of commencing this review or as otherwise agreed by the Secretary, Gunlake will submit a copy of the review report to the Secretary and any other NSW agency that requests it, together with its response to any recommendations contained in the review report.

2.2 Quarry Product Transport

As required by Condition 9, Schedule 2 of the Development Consent Gunlake will limit laden and unladen truck movements, taken together, as:

- no more than 370, including no more than 25 outbound laden movements on the secondary transport route, per working day (averaged over the working days in each calendar month, except for the 2-monthly periods of November/December and January/February, during which it may be averaged over the working days in the relevant 2-monthly period); and
- a maximum of 490, including a maximum of 38 outbound laden truck movements on the secondary transport route, on any working day.

2.3 Monitoring of Product Transport

Condition 23 of Schedule 3 of the Consent requires Gunlake to keep accurate records of all truck movements to and from the site (including time of arrival and dispatch) and publish a summary of records, which includes daily maximum and calendar month averages, on its website every 6 months.

2.4 Operating Conditions

In accordance with Condition 24 of Schedule 3 of the Consent, Gunlake will:

- ensure that all laden trucks entering or exiting the site have their loads covered, with the exception of loads consisting solely of boulders greater than one tonne in weight;
- ensure that all laden trucks exiting the site are cleaned of material that may fall on the road, before leaving the site; and
- use its best endeavours to ensure that appropriate signage is displayed on all trucks used to transport quarry product from the development so they can be easily identified by road users.

2.5 Transport Management

The primary transport management provisions at Gunlake are as follows:

- maintaining transport infrastructure and facilities;
- implementation of a Truck Driver Code of Conduct in order to avoid adverse impacts on other road users, improving safety and driver awareness;
- maintaining agreed transport hours of operation;
- keeping records of truck movements; and
- ongoing liaison with the Transport NSW and Goulburn Mulwaree Council.

The current Truck Driver Code of Conduct is described in Chapter 3 and contained as Appendix B. This covers day to day transport operations, management controls and training. Gunlake management is committed to maintaining appropriate driver conduct as this reflects on community and customer attitudes towards its business.

All drivers will be made aware of and trained in the requirements of the Truck Driver Code of Conduct. All Gunlake operational staff and transport operators will also be made aware of the requirements of the Development Consent and this Traffic Management Plan.

3. Driver Code of Conduct

A Truck Driver Code of Conduct for Heavy Vehicles (Appendix B) has been prepared by Gunlake in accordance with Schedule 3, Condition 28 of the Development Consent to address travelling speeds, procedures to ensure that drivers adhere to the designated transport routes, and outline procedures to ensure that drivers implement safe driving practices, particularly when entering the Hume Highway from Red Hills Road. The Code applies to day to day operations between Gunlake Quarry and market destinations, and outlines Gunlake's expectations and standards for heavy vehicle drivers that haul product for the site.

All employees and contractors are inducted through a Truck Driver Induction Form (available to be completed online at <https://www.gunlake.com.au/inductions/> and attached as Appendix B) and made aware that responsible driving and adhering to the code is a condition of employment at Gunlake Quarry. All drivers are trained in the Code of Conduct and audits of the compliance with the Code are conducted. All drivers reported or found to be acting in a manner contrary to the Code will be subject to disciplinary action.

The Driver Code of Conduct and the training formed part of the 2019 Independent Environmental Audit. The Code was considered adequate however the audit recommended that more regular training of drivers occur. All existing drivers will now receive refresher training and or induction at least every two years.

3.1 Purpose of the Truck Driver Code of Conduct

The purpose of the Truck Driver Code of Conduct is to:

- Ensure compliance with the Development Consent;
- Maximise public safety at all times; and
- Minimise impacts on other road users.

3.2 General Requirements

Heavy vehicle drivers hauling from Gunlake Quarry must:

- Have undertaken a Site Induction carried out by an approved member of the Quarry staff or suitably qualified person under the direction of the Quarry management;
- Hold a valid driver's licence for the class of vehicle being operated;
- Operate the vehicle in a safe manner within and external to the Quarry site;
- Comply with the direction of authorised site personnel when within the site;

3.3 Heavy Vehicle Speed

The following speed restrictions apply in relation to the Gunlake Quarry:

- Obey internal access and haul road speed limits;

-
-
- ❑ Speed limit of 40km/hr when proceeding past stationary school buses with flashing lights; and
 - ❑ All heavy vehicles travelling to or from the Quarry must not travel over 80 km/hr between the Quarry and the Hume Highway.

Drivers are to observe and not exceed the posted speed limits on all public roads, with speed adjusted appropriately to suit the road environment and prevailing weather conditions, to comply with the Australian Road Rules. The vehicle speed must be appropriate to ensure the safe movements of the vehicle based on the vehicle configuration.

3.4 Driver Fatigue

Fatigue is one of the biggest causes of crashes for heavy vehicle drivers.

The National Heavy Vehicle Accreditation Scheme allows heavy vehicle operators the choice of operating under three fatigue management schemes: Standard Hours of Operation; Basic Fatigue Management (BFM); and Advanced Fatigue Management (AFM). All truck drivers are to be aware of their adopted fatigue management scheme and operate within its requirements.

Fatigue includes (but is not limited to) the following:

- ❑ Feeling sleepy
- ❑ Feeling physically or mentally tired, weary or drowsy
- ❑ Feeling exhausted or lacking energy
- ❑ Behaving in a way consistent with any of the above

3.5 Heavy Vehicle Control

In order to minimise the impact of noise from truck transport, and to maintain safe and quiet truck operations, the following controls will apply at Gunlake Quarry as detailed in the Truck Driver Code of Conduct (contained in Appendix B):

- ❑ Exhaust brakes not to be used in the vicinity of Marulan village and on the primary and secondary transport routes unless in emergencies;
- ❑ Tailgates, chains and any loose cables must be locked and secured to avoid noise or spillage;
- ❑ Always observe the posted speed on site and the local road network;
- ❑ No tailgating is permitted – a 300m gap is to be maintained;
- ❑ Equipment to be used must be fit for purpose; and
- ❑ Drivers to obey the loading, dispatch and product transportation times outlined in Table 3.1

3.5.1 Load Covering

Loose material on the road surface has the potential to cause road crashes and vehicle damage. In accordance with Schedule 3, Condition 24 of the Development Consent, all loaded vehicles entering or leaving the site are effectively covered for the duration of the trip with the exception of loads consisting solely of boulders greater than one tonne in weight. The load cover may be removed upon arrival at the delivery site. All care is to be taken to ensure that all loose debris from the vehicle body and wheels is removed prior to leaving the site and again after unloading. Drivers must ensure that following tipping that the tailgate is locked before leaving the site. Quarry management is to monitor loose material on the side of the haulage route from quarry operations and take appropriate action (removal or suppression) regularly.

3.5.2 Cleanliness

All loaded vehicles are to be inspected prior to leaving the site for cleanliness. Any materials that could fall on the road will be removed prior to leaving the site to minimise dust, damage to other vehicles, and prevent tracking of material onto the surface of the public road from vehicles leaving the quarry.

3.6 Vehicle Departure and Arrival (avoiding convoys)

The potential for heavy vehicle convoys will be minimised by truck drivers maintaining a 300m gap between trucks.

3.7 Safe Merging Practices

The intersection of Red Hills Road and the Hume Highway has been upgraded as part of the Extension Project and now includes a northbound acceleration lane. All trucks shall use the acceleration lane to enable safe merging into the left northbound travelling lane of the Hume Highway. In accordance with Transport NSW road rules trucks merging on the Hume Highway will give way to vehicles already on the Hume Highway. Trucks using the acceleration must not merge unless safe to do so including adequate speed.

3.8 Operating Hours

The approved operating hours in relation to transport provided in Table 3.1.

Table 3.1 Schedule 3, Condition 4, Operating Hours

Activity	Day	Time
Loading and Dispatch	Monday to Saturday	24-hours except 6.00pm Saturday to 2.00am Monday
	Sunday and Public Holidays	None

Activity	Day	Time
Transportation on the primary transport route	Monday – Saturday	24-hours except 6.00pm Saturday to 2.00am Monday
	Sunday and Public Holidays	None
Transportation on the secondary transport route	Monday – Saturday	6.00am to 7.00pm
	Sunday and Public Holidays	None

3.9 Truck Routes

All drivers are to be informed of the approved truck routes operating at Gunlake Quarry. Adherence to this is to be verified by the Quarry Manager or other designated employee through random observations. The designated truck routes are shown in **Figure 2**, Appendix A.

3.9.1 Vehicles Travelling to and from the North

Vehicles travelling north from the Quarry turn right onto Brayton Road and travel south to south east before turning left onto Ambrose Road, which connects to Red Hills Road. The north bound lane of the Hume Highway is accessed from Red Hills Road. Vehicles turning left at this intersection are required to give way to traffic on the Hume Highway, so must select a safe gap in the traffic flow before turning left onto the highway.

Vehicles travelling to the Quarry from the north, will continue south to the South Marulan Interchange on the Hume Highway, and use the deceleration lane to exit the Hume Highway at the South Marulan Interchange. Vehicles then turn right at the roundabout to cross over the Hume Highway, and then immediately right again to access the north bound lane of the Hume Highway. Vehicles then continue along the highway in a northerly direction before using the deceleration lane to turn left at the Red Hills Road Exit. Vehicles then continue along Ambrose Road, before turning right onto Brayton Road to access the Quarry. These trucks pass a Transport NSW weigh station twice per trip, once coming past the southbound Transport NSW station and once coming past the northbound Transport NSW station.

3.9.2 Vehicles Travelling to and from the South

Vehicles travelling south from the Quarry turn right onto Brayton Road and travel south to south east before reaching the Brayton Road/ Stoney Creek Road intersection. Vehicles continue left along Brayton Road to the George Street intersection. Vehicles must give way to traffic on George Street. Once a safe gap is selected, vehicles continue along Brayton Road to cross beneath the Hume Highway to access the south bound lane via the acceleration lane on the Marulan Interchange.

Vehicles travelling to the Quarry from the south will continue north past Marulan before turning left at the Red Hills Road Exit. Vehicles then continue along Ambrose Road, before

turning right onto Brayton Road to access the Quarry. These trucks pass the northbound Transport NSW inspection station.

3.9.3 Overtaking

There is to be no overtaking of moving vehicles by Gunlake trucks or transport contractors while on the Primary Transport Route and the Secondary Transport Route, unless in emergency situations.

3.9.4 Protocols for Interaction with School Buses

Brayton Road, Ambrose Road, and Red Hills Road are used by the local school bus service. The bus stop locations can vary, depending on the residential address of the children using the bus on any given day, and it is at the discretion of the bus driver to decide where it is safe and appropriate to stop. The hours of school bus operation are approximately between 7:30am and 9:00am and 3:30pm and 5:00pm. Truck drivers are instructed to be aware of possible school bus movements in these periods, and to decelerate if they see a school bus stopped beside the road with flashing lights, and proceed past the bus at 40 km/hr.

3.10 Contact Numbers

Transport NSW Transport Management Centre incident reporting line	131 700
Goulburn-Mulwaree Shire Council	(02) 4823 4444
Quarry Manager	(02) 4841 1344
NSW Police Service	000

3.11 Compliance Checks

The Gunlake Quarry manager will conduct random compliance checks of driver behaviour along the primary and secondary transport routes. Drivers are continually observed on dispatch from the weighbridge and return to the quarry. Weighbridge records are kept of axle weight compliance and load limits and travel times. Random compliance checks covering other matters in the Truck Driver Code of Conduct will be undertaken on a six-monthly basis which will involve:

- Inspection of truck safety systems;
- Observations of trucks at intersections;
- Review of log books and travel times, and;
- Review of Transport NSW complaint records, concerns raised at CCC meetings and Gunlake Complaints Register.

4. Communication and Reporting

Each Management Plan in operation at Gunlake Quarry includes ongoing consultation with government and community stakeholders.

4.1 Community Consultation

Gunlake management is required keep the local community and relevant agencies informed about the construction, operation and environmental performance of the development. A Community Consultative Committee (CCC) has been formed and issues relating to traffic and transportation are discussed in CCC meetings.

4.2 Government Consultation

Gunlake uses roads that are under the control of Goulburn Mulwaree Council and/or Transport NSW. This Traffic Management Plan has been developed in consultation with both groups. Gunlake has liaised closely with Transport NSW in relation to the intersection with the Hume Highway as well as the suitability of other intersections.

Gunlake and Council have undertaken extensive discussions since the commencement of quarrying operations. Gunlake will continue to liaise with both Council and Transport NSW in relation to the ongoing quarry operation and any future life of quarry development.

4.3 Community Complaints

Gunlake maintains a community complaints register that identifies actions required to resolve community issues. The main phone line is listed in the white pages, the property sign at the main entrance, as well the company website. The complaints register records the following details:

- Complainant name and contact details
- Nature of the complaint (noise, dust, traffic etc)
- Time and date of the complaint
- Specifics of the complaint
- Actions taken to resolve the complaint
- Confirmation that the complaint has been resolved.

In the event that an issue is unresolved, the register will include details of the outstanding issues and any actions that are required. It is recognised that some issues may not have a simple resolution and have resulted in multiple complaints. These form part of the ongoing environmental improvement program for the operation

4.4 Public Access to Information

Gunlake provide updated environmental monitoring data on the company's web page as required by Condition 13 of Schedule 5 of the development consent.

4.5 Reporting

Conditions 8, 9 and 10 of Schedule 5 detail the required reporting regime. These include incident reporting, regular reporting of environmental performance and annual reporting. Gunlake will continue to submit an Annual Review to the Department of Planning, Industry and Environment each year. The Annual Review is also submitted to the Community Consultative Committee and relevant agencies. The contents required for the Annual Review are detailed in Condition 10, Schedule 5 of the development consent.

5. Verification and Corrective Action

This TMP forms a component of the overall Environmental Management System for the Gunlake Quarry. An essential component of the EMS is verification and implementation of corrective actions as required to achieve compliance with the requirements of the development consent.

5.1 Performance and Monitoring

Data about traffic movements associated with the normal operations of the site will be 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.

5.1.1 Haulage Records

In accordance with Schedule 3 Condition 23 of the Development Consent, Gunlake records and maintain a log of the extraction quantities and traffic movements in and out of the Quarry which are available for inspection at the request of the Secretary or Council.

5.2 Non-Conformance, Corrective Action and Adaptive Management

Responsibility for identifying non-conformances will rest with a number of personnel on site to ensure that any non-conformances are identified as soon as possible. Primary responsibility rests with the Quarry Manager. All non-conformances are reported to the Quarry Manager in the first instance who then directs other key personnel as required.

In the event of a breach of the Traffic Management Plan or Truck 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 Truck Driver Code of Conduct.

5.3 Management Review

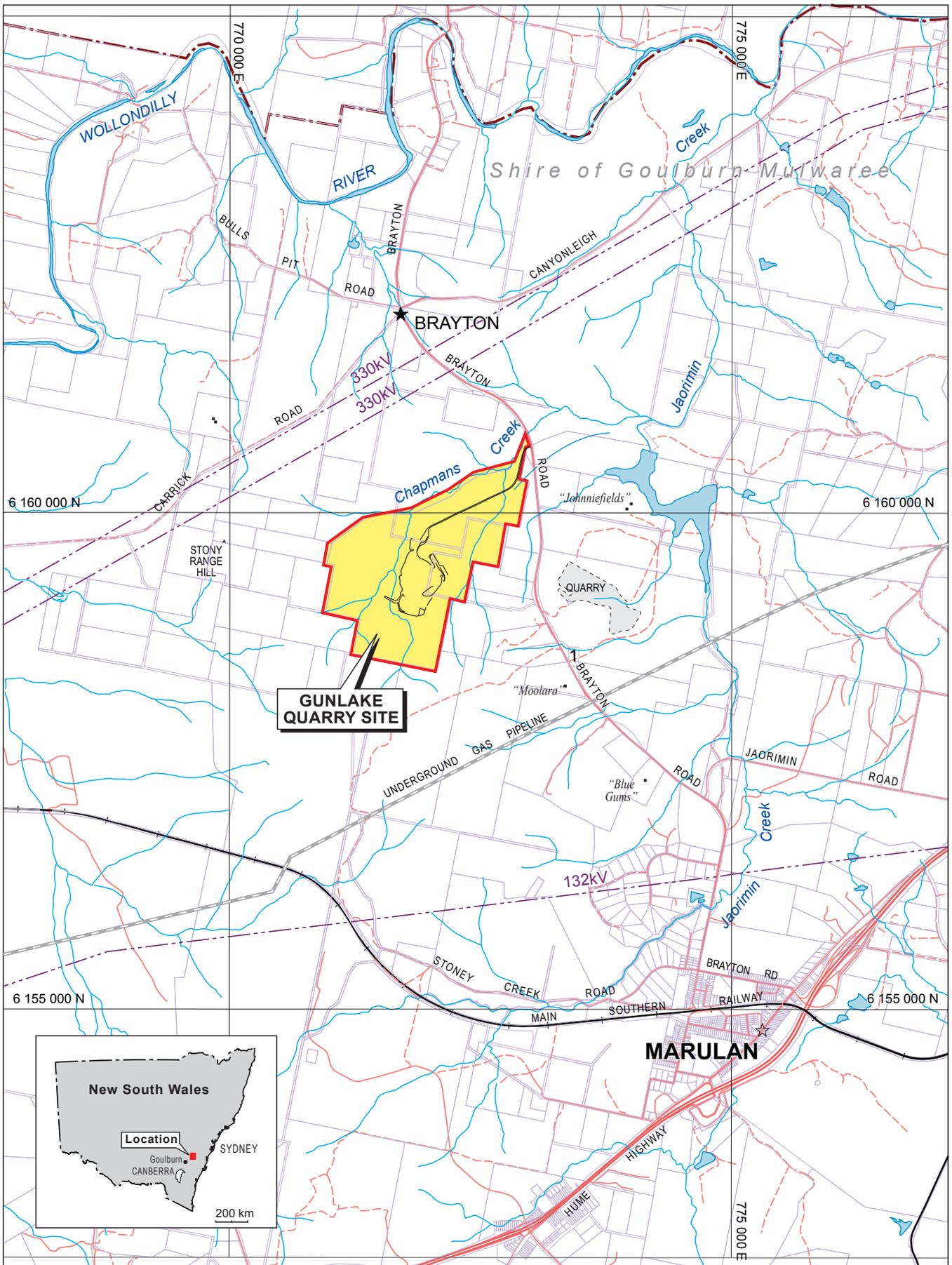
This TMP will be reviewed on an annual basis or following an Incident Report or an audit. Outcomes of these reviews may result in an update to this plan. The purpose of management review is to identify any weaknesses or out of date procedures. The aim is to maintain the TMP in line with current industry standards.

5.4 Continuous Improvements

A key component of the environmental management of Gunlake Quarry is the commitment to continuous improvement. This will be measured by formal and informal criteria. Formal measures will include monitoring data, internal and external inspection and action plans.

This information will be used to establish trends in non-compliance and environmental performance. The level of non-compliance with both statutory and company standards will then be summarised in the Annual Review.

Appendix A - Plans



Datum: GDA
MGA Zone 55

Map Source: © Department of Lands, NSW

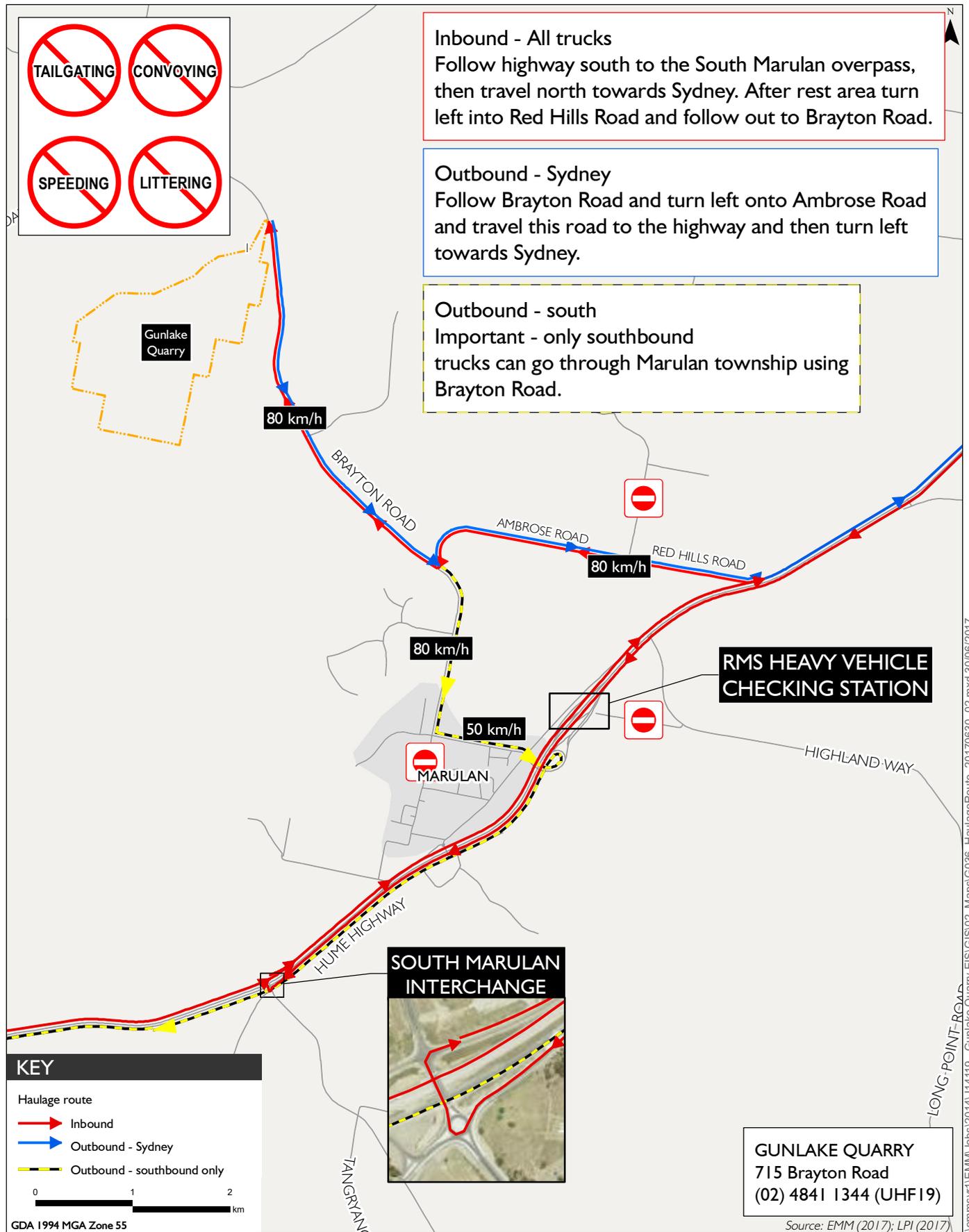
- | | | | | | |
|--|----------------|--|--------------------------|--|-----------|
| | Dam | | Gas pipeline | | Main road |
| | River or creek | | Electricity transmission | | Railway |

0 1 2 km



FIGURE 1
Gunlake Quarry
Regional Location

DRIVE CAREFULLY, RESPONSIBLY AND RESPECT OUR LOCAL COMMUNITY



\emms\vr\EMM\Jobs\2014\114119 - Gunlake Quarry EIS\GIS\02_Maps\G036_HaulageRoute_20170630_02.mxd 30/06/2017
 LONG POINT ROADS



Appendix B – Truck Driver Code of Conduct



Gunlake Marulan Quarry
Truck Driver Code of Conduct & Induction

November 2017

Part 1 – Truck Driver Code of Conduct

Introduction

Gunlake is committed to working with the Marulan community, our employees and all of our contractors to improve road safety on Gunlake's key haulage routes, i.e. Brayton Road, Ambrose Road and Red Hills Road. Improvement initiatives include, but are not limited to;

- Risk assessing the key haulage routes
- Road widening
- Road pavement improvements
- School bus-stop improvements
- Improving site distances from residents' driveways
- Heavy vehicle driver behaviour
- Light vehicle driver behaviour, and
- Reducing speed limits

Drivers' Obligations

Both heavy and light vehicle drivers must follow all Gunlake policies and procedures as per their induction to the Gunlake Marulan quarry. Drivers found to be in breach of the policies and procedures will be subject to disciplinary action which may result in suspension for drivers and companies and possibly termination of employment for Gunlake employees. As a minimum standard, all drivers must:

- Obey this driver code of conduct & induction
- Not speed
- Treat local road users and the local community respectfully
- Report any incidents or near misses to the quarry
- Report any deterioration in road conditions to the quarry
- Not drive in convoys, maintain separation as outlined below
- Not litter or behave anti-socially
- Not overtake moving vehicles
- Not use air / compression brakes (unless in emergencies)
- Not use mobile phones other than hands free
- Stop at STOP signs
- Slow down and drive responsibly when passing school buses

Part 2 – Truck Driver Details

Name

Address.....

..... Town State Postcode

Company.....

License Particulars

Driving License-provide copy

Class..... No.

Expiry date..... Card No.....

Licence has been sighted and details are in accordance with above.

Signed:..... **Date:** / /

Manager

Part 3 – Gunlake Quarry- Truck Driver Induction

Inductee Name:.....

Induction Date:.....

	<i>Please tick</i>
Policies	
<p><u>Health & Safety</u></p> <p>Work safely, not to place self or others in danger. Report any unsafe acts or conditions to the Quarry Manager ASAP.</p>	<input type="checkbox"/>
<p><u>Drug & Alcohol Policy and Fatigue Management</u></p> <p>Alcohol or unauthorised drugs strictly prohibited. Gunlake undertakes random Drug & Alcohol testing.</p> <p>All truck drivers are to be aware of their adopted fatigue management scheme and operate within its requirements</p>	<input type="checkbox"/> <input type="checkbox"/>
<p><u>Disciplinary Procedures</u></p> <p>Failure to adhere to this Code of Conduct and Induction may result in disciplinary action up to and including;</p> <ul style="list-style-type: none"> • termination of employment at Gunlake • a temporary or permanent ban of a driver and/or truck • a temporary or permanent ban of a subcontractor company 	<input type="checkbox"/>
Directives	
<p><u>Seat Belts</u></p> <p>Must be worn in all vehicles at all times by all employees and contractors.</p>	<input type="checkbox"/>
<p><u>No Smoking</u></p> <p>In any enclosed building on company premises, or any company motor vehicle.</p>	<input type="checkbox"/>
<p><u>Mobile Phones</u></p> <p>Only to be used in hands free mode in any moving motor vehicle.</p>	<input type="checkbox"/>
<p><u>Children / Visitors on company sites</u></p> <p>No children under 18 years in operational areas of company premises.</p>	<input type="checkbox"/>

Rules	<i>Please tick</i>
Speed limit 60 km/h on the quarry access road	<input type="checkbox"/>
Speed limit 20 km/h from weighbridge into quarry area	<input type="checkbox"/>
Notify weighbridge upon entry to quarry UHF 19	<input type="checkbox"/>
RMS Drivers' license for truck combination	<input type="checkbox"/>
Loads must be tarped and loose material cleaned off truck before leaving site	<input type="checkbox"/>
Remain in vehicle at all times when in the loading area.	<input type="checkbox"/>
Correct PPE must be worn at all times if you exit the truck for any reason	<input type="checkbox"/>
Keep vehicle windows closed fully whilst in quarry area	<input type="checkbox"/>
Aware of First aid and amenities	<input type="checkbox"/>
Give way to heavy mobile equipment (HME) – use UHF to get positive communication before proceeding	<input type="checkbox"/>
Emergency Assembly location point is at the green Emergency Assembly Sign at the front of the quarry workshop.	<input type="checkbox"/>
Speed limit 80km/hr to and from the Hume Highway, 50 km/hr south bound through Marulan township	<input type="checkbox"/>
School Bus Route times 7am-9am and 3pm-5.30pm - SLOW DOWN & DRIVE RESPONSIBLY – FLASHING LIGHTS = 40kmh	<input type="checkbox"/>
Entrance and Exit Route to Quarry (Map Given)	<input type="checkbox"/>
Report hazardous road kill on transport route to quarry	<input type="checkbox"/>
Report hazardous potholes or other road infrastructure deterioration to quarry	<input type="checkbox"/>
No driving in convoy between quarry and Hume Hwy, IN & OUT – maintain separation of 300 metres	<input type="checkbox"/>
When leaving quarry, STOP at quarry exit sign until truck in front is out of sight (300 metres)	<input type="checkbox"/>
No tailgating of any vehicles at any time	<input type="checkbox"/>
No use of Exhaust/Compression brakes except in emergency – between quarry and Hume Highway, including Red Hills & Hume Highway intersection	<input type="checkbox"/>
No overtaking of moving vehicles from quarry to Hume Highway – IN & OUT	<input type="checkbox"/>

Drive safely and courteously when merging from Red Hills Road to the Hume highway	<input type="checkbox"/>
No littering or other anti-social behavior	<input type="checkbox"/>
Washout and breakdown procedure (No Entry in areas of suspended and unsecured loads or swinging tailgates) Please read safety bulletin	<input type="checkbox"/>
I understand that I could be held personally liable for fines for any environmental breaches	<input type="checkbox"/>
Video monitoring and random enforcement checks are undertaken by Gunlake Quarries	<input type="checkbox"/>
I agree to comply with the Marulan Quarry Drivers' code of conduct	<input type="checkbox"/>

I confirm that I have read and understand the Gunlake Marulan Quarry Truck Driver Code of Conduct and Truck Driver Induction, and certify that all information provided is true and correct.

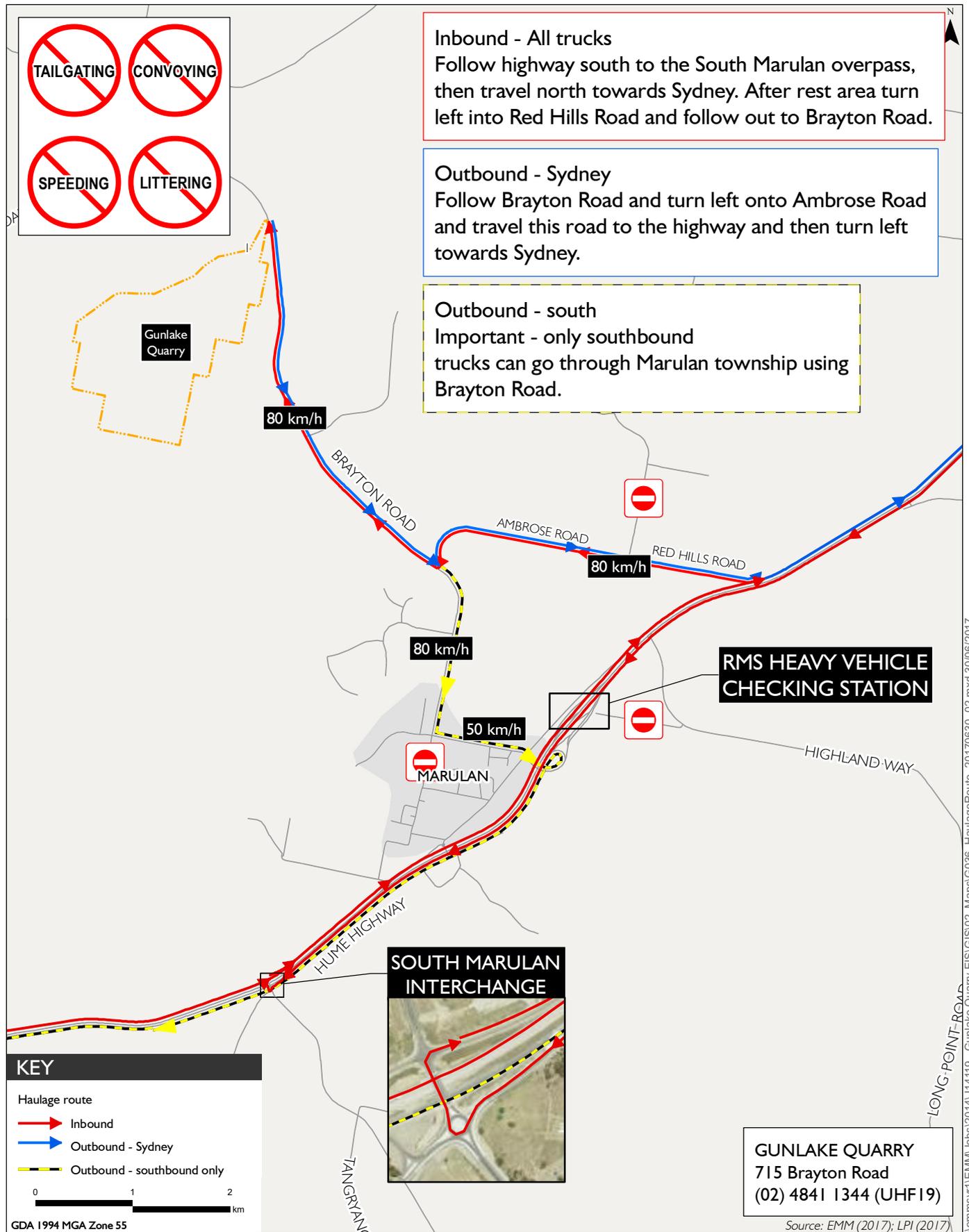
Signed:..... Date: / /
Inductee

Signed:..... Date: / /
Manager

Part 4 – Induction and Code of Conduct Quiz

Question	Answer
1. What does this sign mean? 	
2. What is the speed limit on Brayton Rd?	
3. What is the speed limit on Ambrose Rd?	
4. What is the speed limit on Red Hills Rd?	
5. Who do you report incidents to?	
6. It is OK to drive in convoy between the quarry and the highway (True/False)?	
7. What is the separation distance allowed between trucks travelling between the quarry and Hume Highway (in each direction)?	

DRIVE CAREFULLY, RESPONSIBLY AND RESPECT OUR LOCAL COMMUNITY



Source: EMM (2017); LPI (2017)

SAFETY BULLETIN



February 23 - 2018

Washout procedure for road trucks using Quarry washout facilities and general loading rules.

Washing Out

Important information has been shared from other quarry and mine sites regarding injury and death caused by dangerous practises when washing out road truck bodies.

It is important that you observe the following and make it part of your normal procedure when washing out. Whether the bodies are raised or lowered, washing out must be carried out at a safe distance away from moving parts of the truck such as swinging tail gates.



- Do not enter the space between the open tailgate and the body of a truck



- Do not enter or stand in the area under a raised body
- Do not prop the tailgate open at any time during the washout process. Tailgates can swing causing injury or death if a temporary prop is dislodged by material leaving the body of the truck.
- Never attempt to enter a truck body using a tailgate opening.
- Hose from a safe distance making sure that any material that is dislodged in the process does not cause injury to yourself or others.
- Make sure that all tailgates and bodies are secured and lowered prior to leaving the washout area and loading.
- If you observe any unsafe practises, notify quarry personnel or Quarry Supervisors immediately.
- If you have to washout remember to wear safety glasses, Hard Hat, Hi Vis and safety footwear.

Loading of Trucks

Shifting material from the stockpile into the back of a truck using a front end loader, is a common practise in most quarries. It is important to follow a safe working procedure when you are accepting a load onto your truck in this busy environment.

Make sure that you have completed a driver induction. Ensure that your truck has been tared off in the weighbridge system previously.

Make sure your truck is ready to be loaded. Before you leave the driveway and enter the loading area, unwind tarps and have tailgates secured and windows raised.

Contact the weighbridge and wait for instructions before entering quarry.

Always follow instructions from the sales loader.

Be aware of other quarry vehicles. Give way to all production equipment such as dumptrucks, loaders, excavators etc always.

Communicate with the sales loaders using a UHF radio only. (Channel 19)

Never leave the truck cabin except in the overload tip-off area, the workshop area and parking area or except in an emergency.

If your vehicle suffers a malfunction in the quarry such as sticking tarps, blocked tailgate hooks or drawbar material buildup, drive out of the loading area to the workshop for appraisal. Do not exit the vehicle in the quarry area, unless it is an emergency. Wait and follow instructions if your vehicle is immobile.

After receiving your load proceed to weighbridge for docketing. Wait on weighbridge for radio confirmation before moving off.

Ensure that your vehicle is not overloaded and is not above the legal allowable weight for its capacity. Contact weighbridge for instructions on tipping area for excess material.

Ensure tarps are in place prior to leaving the quarry. Manual tarps can be secured in the parking area if it does not involve entering the body of the truck or trailer.

Never enter the body of a truck to shift loads or clear material.

Follow the Drivers Code of Conduct at all times.

Always wear safety helmet, safety boots and HiVis in the Overload tip off area.

Observe all speed limit signage.

GUNLAKE QUARRIES – Committed to SAFETY



DRUG AND ALCOHOL POLICY

Purpose

Gunlake Quarry is committed to providing a safe, healthy and secure environment for all our employees and for those affected by its operations and activities. The quality of Gunlakes Quarry services will not be compromised by the presence of people under the influence of alcohol, non-prescribed drugs or over the prescribed dose of prescription medication in the workplace. This policy is designed to eliminate the risks inherent in the use or abuse of drugs, alcohol or other substances.

This policy applies to all direct employees, agency and sub-contract employees whilst at their workplace.

Basic requirements

- Employees must always be in a fit state to carry out their duties when at work. They must not possess, consume or be under the influence of alcohol or other impairing substances.
- Anyone suspected of being impaired due to alcohol or substances of abuse or taking of drugs, legal or illegal, must immediately be removed from the workplace (either by taxi at the workers expense, or contacting someone to pick them up).
- Gunlake will carry out screening for drugs and alcohol. Gunlake also reserves the right to conduct random testing as and when it deems appropriate.

An employee/contractor has a responsibility to use prescribed substances and pharmaceuticals in accordance with instructions provided by their medical practitioner. In the instance that prescribed medications could potentially affect the ability of the employee to perform their normal work duties safely; the employee must notify their immediate supervisor so that corrective control strategies can be implemented. Failure to advise may constitute misconduct.

Alcohol and Drug Testing and disciplinary process

The disciplinary process will be invoked, and may lead to summary dismissal, in the case of any direct employee who:

- Is found to have a Blood Alcohol Level of 0.02 or more
- Refuses to undertake a screening test for alcohol or drugs
- Is found supplying illegal drugs on site
- If an employee returns 2 positive results in a 12 month period their employment will be terminated immediately

An employee found to be exhibiting the effects of drugs or alcohol, or returning a positive drug or alcohol reading, or refusing to participate in testing, will be required to cease work immediately and leave the workplace. (either by taxi at the workers expense, or contacting someone to pick them up).



DRUG AND ALCOHOL POLICY

- Employees sent home or to a medical examination must report to the Medical Center of Gunlakes choice and return to work the following working day or when they are no longer under the influence of drugs or alcohol to discuss the incident.
- Gunlake Quarries is unable to allow employees to resume work until such time as they undertake testing and a significant drop (as interpreted by a doctor), or negative result is recorded. Employees will be given the choice of paid (annual leave) or unpaid leave.

Drug and Alcohol Management Strategies

- Workers are encouraged to report drug and alcohol problems that could present safety risks
- Interventions in the case of safety-related drug and alcohol problems will be monitored and evaluated and followed up with further action if required.

Managers and Supervisors Commitment

Managers and supervisors are responsible, within the scope of their authority, for ensuring that:

- The objectives of this policy are integrated into work practices
- Effective action is taken to prevent accidents, incidents or injuries, which could result from drug or alcohol misuse
- Risks arising from drug or alcohol misuse are identified, assessed and controlled

Confidentiality

When addressing issues relating to alcohol and drug misuse, all parties should be sensitive to the individual's right to confidentiality, privacy and dignity.

This policy will be notified to sub-contractor and agency firms and it will be a condition of their contract with Gunlake that this policy applies to anyone they send to work for Gunlake Quarries.

Appendix C – Stakeholder Consultation



Goulburn Mulwaree Council
Locked Bag 22
Goulburn NSW 2580

Civic Centre
184 - 194 Bourke Street
Goulburn NSW 2580
t (02) 4823 4444
e council@goulburn.nsw.gov.au
www.goulburn.nsw.gov.au

Contact: Louise Wakefield

27 March 2018

Attention: David Kelly
Head of Development
PO Box 1665
Double Bay NSW 2028

Dear David

**Subject: Draft Traffic Management Plan
Gunlake Quarry - Extension Project MP07-0074**

In relation to the above, Council would like to provide the following comments.

Section 34 Agreement – Schedule 3, Environmental Performance Conditions

- Condition 25(c) requires that the TMP must address how Gunlake will avoid “dispatching and/or receiving large groups of convoys of laden trucks from the site onto public roads”.

This is a critical issue and Council does not believe the TMP covers this requirement in sufficient detail.

- Condition 26(c) states that the upgrades should conform to Austroads standards, which would require travel lanes of 3.5m wide. However, Condition 26(c) (iii) states “design plans shall demonstrate that 3.1m wide lanes are provided...”

After reviewing the TMP, given the volume of heavy vehicles, it is recommended that the travel lanes be 3.5m wide.

Traffic Management Plan – specific items/concerns to be addressed

- The second paragraph of Clause 3.8.2 is incomplete.
- One of the key traffic issues that has been raised at the Gunlake CCC on a number of occasions is that of trucks missing gears on Ambrose Rd, running out of power and having to reverse to the bottom in order to start again. This is dangerous, but particularly so in the fog. To undertake this manoeuvre trucks are required to use the actual carriageway against the flow of traffic.

How is Gunlake addressing this issue ?

- The matter of ensuring quarry material does not end up on public roads has not been satisfactorily addressed (e.g. are there grates or other structures or a wash down area that would help shake free or wash away any debris before the trucks leave the site?).
- The Truck Driver Induction Form is supported – perhaps though it might be good to have a few lines upfront about the objectives of the induction and what the Company wants to achieve from their drivers (i.e. to be safe, courteous road users with safety as the number one priority, etc). This would set the tone and justification for implementing the rules and procedures following it. People are more likely to follow directions if they understand why they are doing it and the Company expects and values high standards of behaviour.
- The above matter of ensuring trucks are free of debris before leaving the site (and the justification for ensuring this) needs to be incorporated into the Gunlake Truck Driver Induction Form.
- Include a general requirement in the Induction Form to be conscious of and respectful towards the community and other road users including taking into account the varying levels of driver ability and confidence and the needs of all road users and amenity of residents along the haul routes.
- Include Gunlake's various templates for reporting associated with traffic movements and haulage for transparency with the community.

I can be contacted on (02) 48 234 480 if you would like to discuss these comments further.

Yours sincerely



Louise Wakefield
Director Growth Strategy & Culture