



# **TRAFFIC MANAGEMENT PLAN AND TRUCK DRIVER CODE OF PRACTICE**

**Gunnedah Quarry Products Pty Ltd  
Gunnedah, NSW**

**AUGUST 2014**

# Traffic & Transport Management Plan Including Driver Code of Conduct – Gunnedah Quarry Products

## QUALITY ASSURANCE

This document has been prepared, checked and released in accordance with the GQP Quality Control Standards

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# DECLARATION

I, the undersigned, hereby agree to abide by Gunnedah Quarry Products Pty Ltd Truck Driver Code of Practice for the transportation of Quarry products from Gunnedah Quarry Products Mary's Mount Blue Metal quarry to their final destination/s in a safe manner. I have read and understand the requirements outlined in the attached document and will, to the best of my ability, comply and assist with their implementation, requirements and ongoing administration.

*The subject document to which this declaration relates is attached as part of the overall document and signing of this declaration confirms that signee has read and understood the entire document:*

## TRUCK DRIVER

Full Name: \_\_\_\_\_

Organisation: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## GUNNEDAH QUARRY PRODUCTS PTY LTD

Company Witness: \_\_\_\_\_

Date: \_\_\_\_\_

# 1. TRAFFIC MANAGEMENT PLAN AND TRUCK DRIVER CODE OF CONDUCT

## 1 *Introduction*

CONDITIONS FOR APPROVAL OF DA NO: 2012/185, Clause C5 requires the operator Gunnedah Quarry Products Pty Ltd complete and implement a Traffic Management Plan prior to operations commencing at the new Quarry extension:

### ***‘Traffic Management & Parking Control’***

***Condition C5.*** A Driver Code of Conduct for the transportation of materials on public roads shall be developed for all heavy vehicle drivers that access the development site (including haulage and delivery vehicles).

*All drivers will be required to sign a register of acceptance to the Driver Code of Conduct. The Driver Code of Conduct shall include the following (but not limited to) School Bus Operating Procedure (signed by Paul Hawkins – Hawkins Bus Service on 19/08/2013 and Paul Hope on 13/08/2013), driver behaviour, compliance with road rules and safety, minimising noise and dust emissions, inform drivers of all known safety considerations along the haul route (including school bus routes and timetables, school zones, concealed driveways, seasonal haulage operations, wet weather safety and any other known local hazards) and ensuring all loads are covered before leaving the quarry site.*

The purpose of this document is to minimise the impacts of the heavy vehicle traffic associated with the Gunnedah Quarry Products on the community and to manage the movement of heavy vehicles using best industry practice.

## 2 *Site Location*

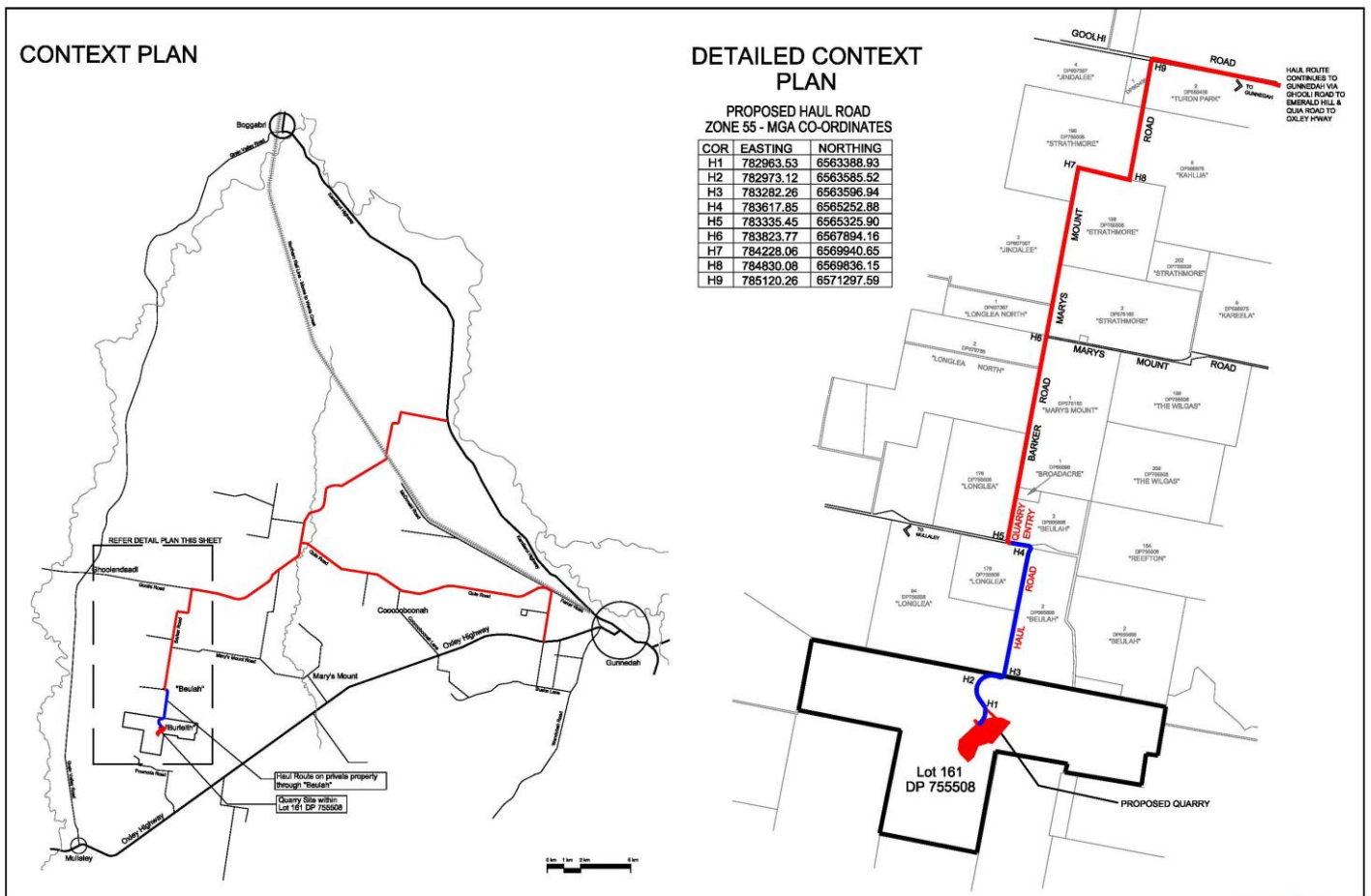
The site is located approximately 35 km west of the Gunnedah residential area. Access to the site is via Mary’s Mount Road from Ghooli Road which has been joined from either Quia Road (coming from Gunnedah) or the Kamilaroi Highway (coming from Boggabri)

All roads provide one (1) lane of travel in both directions with a speed limit of 100 km/h. Quia Road and Ghooli Road are two (2) lane rural roads with a single lane of travel in each direction and a speed limit of 100 km/h.

Kamilaroi Highway is a two (2) lane RMS controlled highway with a single lane of travel in each direction and a speed limit of 100 km/h.

The closest urban area to the quarry is the hamlet of Emerald Hill

***Figure 1*** shows the quarry location.



GUNNEDAH QUARRY PRODUCT - BLUE METAL QUARRY MARY'S MOUNT PROPOSED EXPANSION

SHEET 1 OF 1  
DATE: 18 JUNE 2013 JOB No. 4122  
PREPARED BY: STEWART SURVEYS

Figure 1 – Quarry Location Plan

### 3 Project Description

The purpose of the proposed development is to maintain the supply of construction materials to the local and regional markets at a competitive price while preventing environmental damage and minimising impact from transport of the materials.

The project will allow for extension of the quarry extraction area initially to the west of the existing operation with up to 360,000 tonnes of material per annum transported by road. Future extensions will be to the east of the existing operation.

The haulage of material shall be undertaken in the following heavy vehicles:

- 75% of heavy vehicles used shall be truck and dog (capacity of 32 tonnes);
- 20% of heavy vehicles used shall be single semi-trailers (capacity of 27 tonnes); and
- 5% of heavy vehicles used shall be B-doubles (capacity of 38 tonnes).

There will be no more than 120 heavy vehicle movements per day (total of all quarry haulage truck movements into and out of the site) between 7.00am and 6:00pm on any weekday, unless in the case of emergency or under the direction of police or other relevant authority.

**Condition A2.** To confirm and clarify the terms of this approval, consent is given for the following

- Maximum number of truck movements (includes loaded and unloaded) per day - 120 (with no more than 496 truck movements in any one week (Monday-Sunday)
- Period of Extraction of no more than 22 years from the commencement date of extractions

## 4 *Haulage Destinations*

There are 2 key roads used going from the quarry:-

1. Goolhi Road
2. Quia Road

**Figure 1** below shows the haulage routes.

On entering the Goolhi Road from Mary's Mount Road the movements will be:-

1. To the North towards Emerald Hill to service ARTC's rail ballast requirements
2. To the North West via Goolhi Road & Kamilaroi Highway to service the requirements of the construction works at Maule's Creek mine & others
3. To the East on Quia Road to service local orders & others

## 5 *Objectives*

The objectives of this Driver Traffic and Transport Management Plan are to:

- a) ensure compliance with the conditions included under Condition C5 of the Consent Conditions;
- b) encourage compliance and acceptance of the Truck Driver Code of Practice by all heavy vehicle drivers using the quarry;
- c) minimise impacts on the community;
- d) foster an understanding and awareness within the company of community expectations and legislative requirements;
- e) protect and enhance public safety through compliance with relevant road rules;
- f) increase WH&S understanding in relation to fatigue, vehicle operation in public areas and obligation to the general public.



## 6 Quarry Site Map

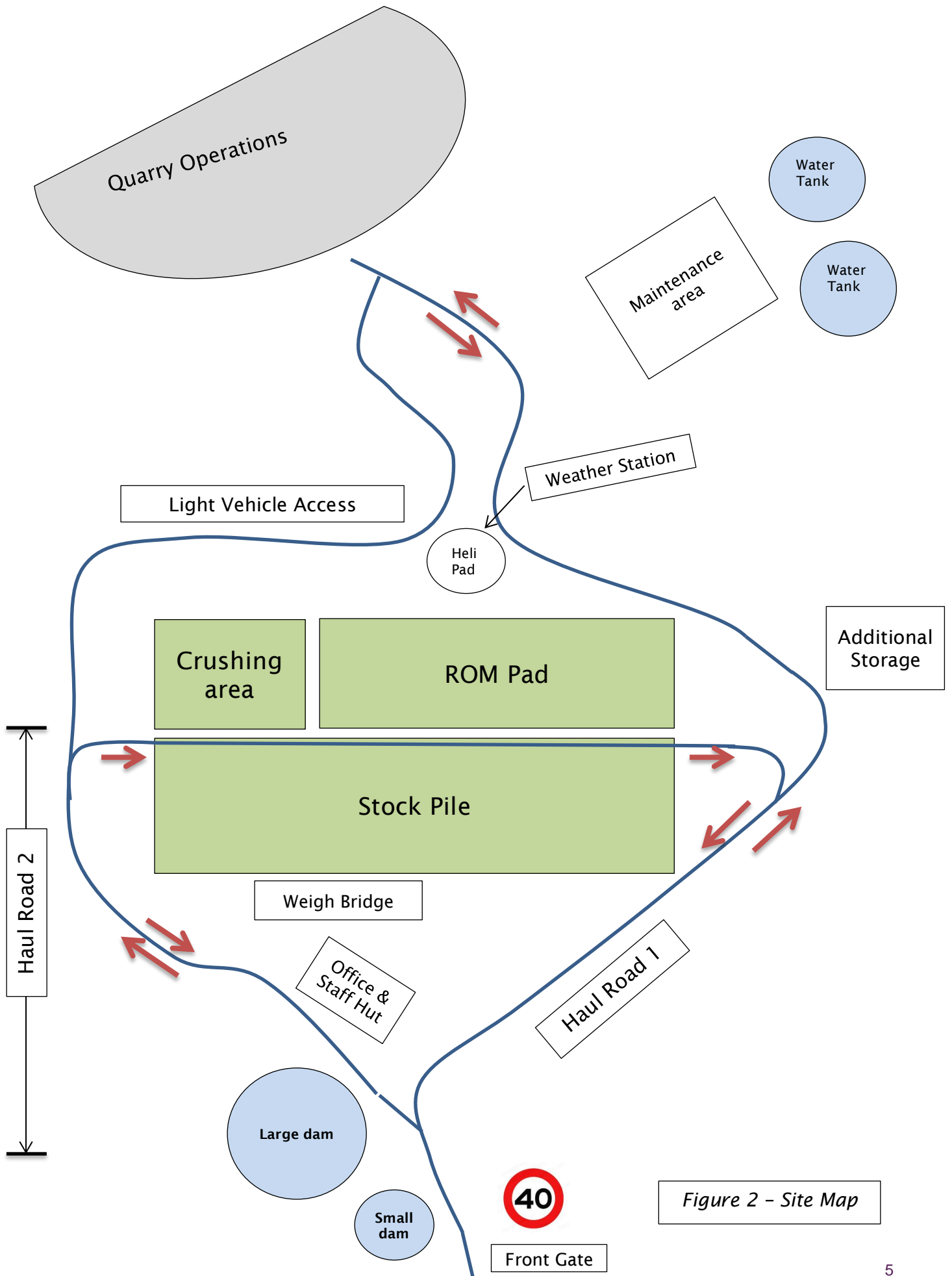


Figure 2 - Site Map



## 2.0 DRIVER CODE OF CONDUCT

### 1. *General Requirements*

Heavy vehicle drivers hauling from Gunnedah Quarry Products must:

- i) 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;
- ii) Hold a valid driver's licence for the class of vehicle that you operate;
- iii) Operate the vehicle in a safe manner within and external to the Quarry site;
- iv) Comply with the direction of authorised site personnel when within the site;

### 2. *Heavy Vehicle Speed*

Increased speed means not only an increased risk of crashing but also increased severity if a crash occurs. A study undertaken for the Australian Transport Safety Bureau found that travelling 10 km/h faster than the average traffic speed can more than double the risk of involvement in a casualty crash. (Source: Roads and Maritime Services (RMS) previously known as Roads and Traffic Authority (RTA)).

There are two types of speeding:

- i) Where a heavy vehicle travels faster than the posted speed limit; and
- ii) Where a driver travels within the speed limit but because of road conditions (e.g. fog or rain) this speed is inappropriate. (Source: RMS).

Drivers and truck operators are to be aware of the “Three Strikes Scheme” introduced by the Roads and Maritime Services which applies to all vehicles over 4.5 tonnes. When a heavy vehicle is detected travelling at 15 km/h or more over the posted or relevant heavy vehicle speed limit by a mobile Police unit or fixed speed camera, the Roads and Maritime Services will record a strike against that vehicle. If three strikes are recorded within a three year period, the Roads and Maritime Services will act to suspend the registration of that vehicle (up to three months).

More information is available from the Roads and Maritime Services website. Vehicle speed on public roads is enforced by the NSW Police Service.



The speed limit within the quarry site is 40 km/h which is to be strictly maintained.



The speed limit for the haul road leading up to the quarry is 60 kp/h

***Drivers are to observe the posted speed limits, 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. *Heavy Vehicles Driver Fatigue*

Fatigue is one of the biggest causes of crashes for heavy vehicle drivers. The Heavy Vehicle Driver Fatigue Reform was therefore developed by the National Transport Commission (NTC) and approved by Ministers from all States and Territories in February 2007.

The heavy vehicle driver fatigue law commenced in NSW on 28 September 2008 and applies to trucks and truck combinations over 12 tonne GVM (however there are Ministerial Exemption Notices that can apply).

Under the law, industry has the choice of operating under three fatigue management schemes:

- i) Standard Hours of Operation
- ii) Basic Fatigue Management (BFM)
- iii) Advanced Fatigue Management (AFM)

***All heavy vehicle drivers operating out of the Gunnedah Quarry Products are to be aware of their adopted fatigue management scheme and operate within its requirements.***

### 4. *Heavy Vehicle Compression Braking*

Compression braking by heavy vehicles is a source of irritation to the community generating many complaints especially at night when many residents are especially sensitive to noise.

In some instances compression braking is required for safety reasons however when passing through or adjacent to residential areas or isolated farmsteads a reduction in the speed of the vehicle is recommended to reduce the instances and severity of compression braking.

***No compression braking beyond the quarry gate. Compression braking either side of Emerald Hill or other residential areas or isolated residences should only be used if required for safety reasons. Brakes must be applied so as not to create excessive noise that could disturb local residents.***

Due to the roads relative proximity to residential homes in Emerald Hill drivers are requested to limit the noise created in this area as much as possible.

### 5. *Heavy Vehicle Noise* (Condition of Consent: Clause E1. Extraction Operation Hours)

The extraction operation hours are limited to the following:

- Monday to Friday – 7.00am to 6.00pm (Australian Eastern Daylight Time)
- Monday to Friday – 7.00am to 5.00pm (Australian Eastern Standard Time)
- Saturday – 8.00am to 3.00pm
- Sunday and Public Holidays – closed.

At commencement of the working day it may be that drivers arrive early. If this occurs drivers are to wait with engines off.

***To reduce the impact of vehicle noise at commencement of the working day heavy vehicles waiting for the quarry to open are to wait with engines off. Heavy vehicles are not to be parked on Barker Road.***

## **6. Load Covering**

Loose material on the road surface has the potential to cause road crashes and vehicle damage.

***All trucks arriving at or departing from the site whether loaded with material or not are required to have an effective cover over their load for the duration of the trip. 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.***

## **7. Vehicle Departure and Arrival**

Heavy Vehicles travelling in close proximity on single lane public roads can be of concern to light vehicle drivers as well as increasing noise through or adjacent to residential areas. To alleviate public concern and increase road safety, heavy vehicles leaving the Quarry should be separated by a minimum five minute interval.

It is difficult to schedule arrivals to the Quarry (except at the commencement of work for the day) due to the different directions of approach from external jobs and the varying job completion times, however, when a driver becomes aware, through visual contact or two-way contact between trucks, that they will arrive at approximately the same time then they are to ensure that there is a suitable gap between vehicles.

***To alleviate public concern and increase road safety heavy vehicles leaving the Quarry should be separated by a minimum five minute interval.***

## **8. Breakdowns and Incidents**

In the case of a breakdown the vehicle must be towed to the nearest breakdown point as soon as possible. All breakdowns must be reported to the Gunnedah Quarry Products management and the vehicle protected in accordance with the Heavy Vehicle Drivers handbook.

To ensure that traffic impacts are minimised in the event of an incident, rapid response from the company is required. In order to ensure rapid response to incidents drivers must contact Gunnedah Quarry Products Manager as soon as the stranded vehicle and load is safely secured.

If there is a product spill while loading/unloading or en route the driver must:

- i) Immediately warn persons in the area who may be at risk;
- ii) The Gunnedah Quarry Products Manager must be immediately informed so that emergency services can be contacted and a clean-up initiated;
- iii) All spills must be adequately cleaned up and waste disposed of in an acceptable and environmental manner;
- iv) Put out warning triangles where it is safe to do so.

Drivers are to ensure that when passing pedestrians/cyclists a safe separation distance exists between trucks and pedestrians as well as a reduction in speed if appropriate.

## 9. *Contact Numbers*

1.	RMS Transport Management Centre	131700
2.	Gunnedah Shire Council	6740 2100
3.	Quarry Management (Bruce MacKellar)	0428 657 444
	Quarry Management (Jobe Bottrell)	0418 234 264
4.	NSW Police Service	6742 9009
5.	Head Office	6742 4222

## 10. *Minimising Koala Injury and Death*

The potential for vehicle strike through vehicle-Koala interaction is a reality on the roads within the quarry. This potential is reduced by the fact that typical Koala movement behaviour is nocturnal and the quarry functions during daylight operation.

To minimise the possibility of vehicle strike the following measures are to be observed:-

- The maximum speed limit within the quarry is 40 kph
- Any sighting of a koala to be announced on UHF Channel 15
- If the koala is on the road then stop your vehicle until it has moved off the road &/or encourage it to move back to vegetated areas

If an animal is injured through vehicle strike then assistance is to be rendered & transported to a vet for treatment.

Any injuries or deaths are to be recorded and documented in the Daily Site Diary



## 11. *Communication*

Gunnedah Quarry Products drives & sub-contractors are to use the following UHF channels:-

1. Channel 15 when on the quarry site & on Quia & Ghooli Roads
2. Channel 40 when travelling on all other roads
3. Designated channels when working on mine sites & work sites

## 12. *Ag Quip & Black Jack Road*

The haulage of material along Blackjack Road shall not be undertaken during the three (3) days of the Gunnedah Quarry Products drivers & sub-contractors

## 13. *Driving with Lights On*

Gunnedah Quarry Products drivers & sub-contractors are required to drive with their lights on during the day so as to maintain visibility to other vehicles.

#### **14. *Overtaking Other Vehicles***

There is to be no overtaking of road registered vehicles by MEX trucks or MEX subcontractors while on Quia Road, Goolhi Road or Mary's Mount Road

#### **15. *Other safety considerations along the haul route***

- a. Concealed driveways – Drivers are to drive with caution around any signed concealed driveways.
- b. Seasonal haulage operations – increased heavy haulage trucks will be present during the harvesting of winter and summer crops.
- c. Wet weather safety - drivers should adjust their driving speed to suit prevailing wet weather conditions encountered on the designated haul routes
- d. Dust – dust represents a safety and a health hazard. Existing gravel roads on the haul route are regularly watered by a water truck to minimise these impacts. Please advise the Quarry Production Manager if gravel roads require additional watering to control dust hazards.
- e. Other known local hazards – this is a rural area and as such farm equipment and stock are moved along the haul routes from time to time. Drivers are to slow to a safe speed when passing farm vehicles on our haul routes and to stop if necessary when negotiating your way through stock being moved along the haul routes

#### **16. *Sub-Contractor Trucks & Trailers***

All new sub-contractors trucks and trailers must pass a safety inspection by MEX qualified truck mechanics before commencing any work on behalf of MacKellar Excavations Pty Ltd or Gunnedah Quarry Products Pty Ltd or operating on designated quarry haul routes.

### **3.0 COMPLIANCE MEASURES & MONITORING**

#### **1. *Commencement of Traffic Management Plan & Driver Code of Practice***

It is proposed that this Traffic Management Plan and Driver Code of Practice will be initiated when the project becomes operational and reviewed after 6 months of operation.

The document is to be signed by individual drivers and a Gunnedah Quarry Products Pty Ltd authorised representative at the time when heavy vehicle haulage drivers attend their Site Induction or shortly thereafter.

#### **2. *Compliance Measures***

To assist in the orderly resolution of complaints Quarry Management will keep a register itemising all reported incidents relating to complaints in regard to heavy vehicle driver conduct external to the Quarry site.

The incident register is to include (where possible):

- i) Date;
- ii) Location/s;
- iii) The driver/heavy vehicle details;

- iv) Contact details of the person lodging the complaint;
- v) What/when actions were taken to resolve the issue; and
- vi) The reply to the person/organisation that made the complaint.

***The incident register is to be audited at three monthly intervals, by Quarry management, and made available, upon request, to an authorised Council officer.***

### 3. *Monitoring Measures*

In addition to the register Quarry management will undertake formal observations of compliance at three monthly intervals and will document and undertake any remedial actions with employees or sub-contractors that may be necessary as a result of these observations.

### 4. *Vehicle Identification*

All trucks are to carry MEX identification stickers, identifying number sticker and 'How Is My Driving' sticker.

It will be a sub-contractor condition of engagement that you agree to have your vehicle fitted out with the above stickers.

## 4.0 ROUTE ASSESSMENT & MAINTENANCE

### 1. *Route Assessment.*

A route assessment was undertaken for by Ardill Payne to investigate improvements to assist both truck drivers and local residents. The following are issues identified from that inspection:

1. Kamilaroi Highway/Goolhi Road intersection upgraded with better turn lanes.
2. Emerald Hill village – widening and streamlining of the route through the village.
3. Quia Road/Goolhi Road intersection upgrade.
4. Goolhi Road/Mary's Mount Road intersection upgraded with a turn lane.
5. Mary's Mount Road/Barker Road sealed.
6. New bus set down/pick up area – Quia Road/Mary's Mount Rd.

### 2. *Road Maintenance*

Gunnedah Quarry Products Pty Ltd have entered into a Voluntary Planning Agreement with Gunnedah Shire Council & will pay contributions for road maintenance as a result of this development. It will be Gunnedah Council's responsibility to ensure haulage routes used by Gunnedah Quarry Products Pty Ltd are suitably maintained in the future.

## 5.0 SCHOOL BUS OPERATING PROCEDURES

### *Preamble*

This arrangement is acknowledged and agreed to by Gunnedah Quarry Products as operator of the Mary's Mount Quarry, MacKellar Excavations as the owner/operators of the company's trucks, including the subcontracting owner/operators and the participating school bus operators, namely Hawkins Bus Line and Hopes Bus Service.

Hawkins Bus Line services the route from Gunnedah along Quia Road, then left onto Ghooli Road out to the Ghooli area and return twice a day.

Hopes Bus Service travels from Gunnedah along Quia Road, right onto Ghooli Road to Emerald Hill and return twice a day.

*Procedures* - Cease haulage operations while school buses are using the haul route

1. Inform truck drivers (via Tool Box meetings and/or site induction) of the existing school bus routes along Goolhi and Quia Roads, bus stop locations, school zones and timetables.
2. Gunnedah Quarry products Pty Ltd will confirm school bus timetables and routes with the bus companies at the beginning of each school year, and adjust the haulage schedule as required.
3. Gunnedah Quarry Products trucks & sub-contractors are to cease operations for the following times when the school bus is travelling along the haul route.

**a. Mary's Mount Rd to Quia Rd (same as for b.)\***  
7:50am- 8:10am and 3:50pm- 4:10pm

**b. Emerald Hill to Quia Rd (same as for a.)\***  
7:50am – 8:10am and 3:50pm – 4:10pm

\*Effectively from Mary's Mount Road to Emerald Hill operates in the same time zone for stand down.

**c. Quia Rd to Gunnedah**  
8:00am – 8:30am and 3:30pm – 4:00pm

This haulage schedule has been illustrated in the attached figure – Haulage operations to cease at school bus times.

In circumstances where school buses are running out of those agreed times we will still cease operating when in the vicinity or proximity of a school bus. This action is for the safety of school children and is not negotiable.

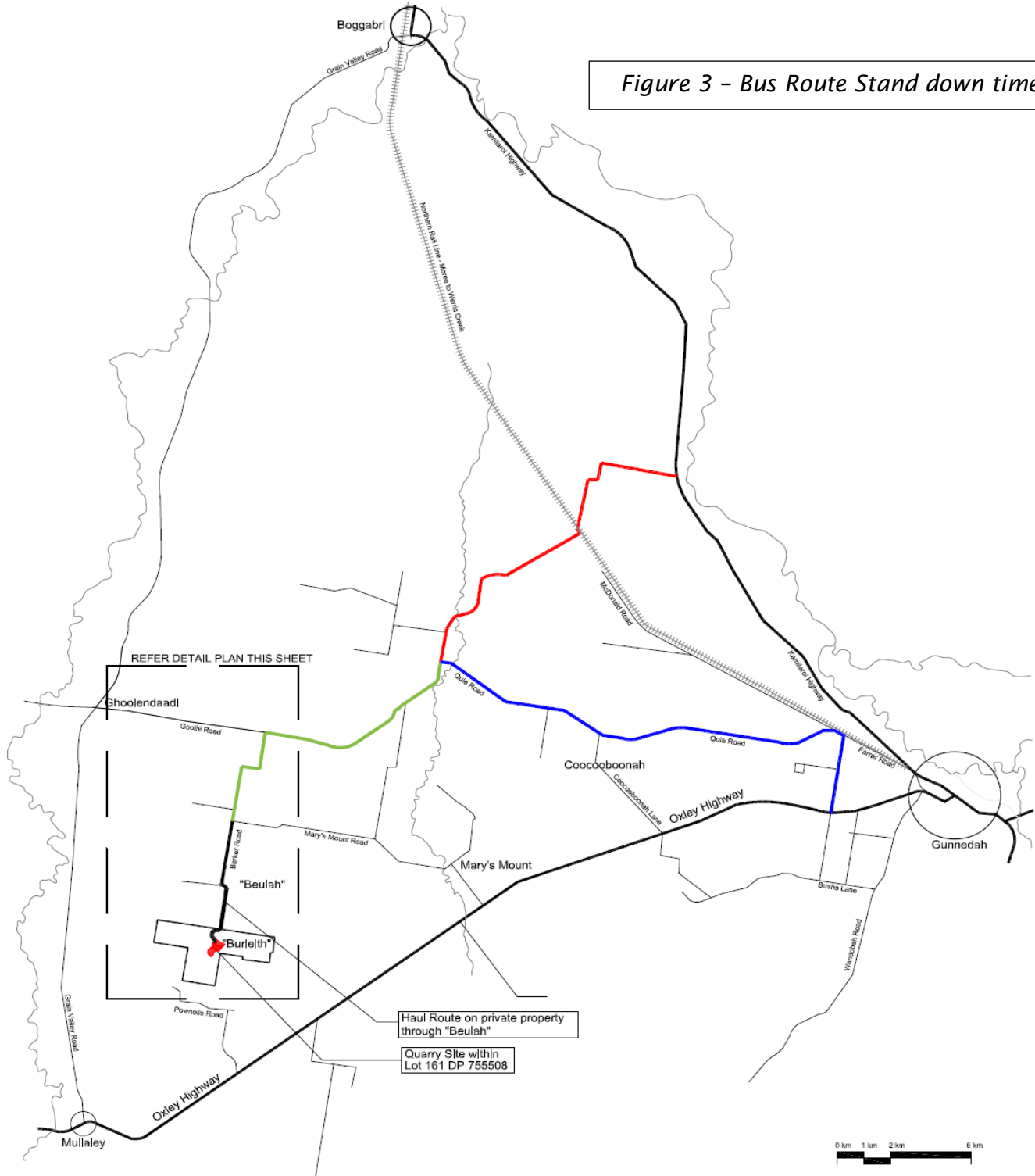
4. This haulage schedule has been illustrated in the attached figure – Haulage operations to cease at school bus times.
5. Trucks travelling through the two forested sections of Ghooli Road will reduce their speed to a maximum 80kph and announce their presence in the area via UHF Channel 40.

Reason:- Radio announcements increases Truck and Bus drivers awareness of their presence. Reduce speed facilitates safer passage of vehicles.

**Any breach of these stand down times will result in termination of employment or contract**

# HAULAGE OPERATIONS TO CEASE AT SCHOOL BUS TIMES

Figure 3 - Bus Route Stand down times



## QUARRY HAULING HOURS

MONDAY TO FRIDAY 7:00am-6:00pm (DAY LIGHT SAVINGS TIME)  
 MONDAY TO FRIDAY 7:00am-5:00pm (NON-DAYLIGHT SAVINGS TIME)  
 SATURDAY 8:00am-3:00pm

## EXCEPT WHEN SCHOOL BUS IS OPERATING (SCHOOL TERM ONLY)

- MARY'S MOUNT RD TO QUIA RD - 7:50AM- 8:10AM AND 3:50PM- 4:10pm
- EMERALD HILL TO QUIA RD - 7:50AM - 8:10AM AND 3:50PM - 4:10PM
- QUIA RD TO GUNNEDAH - 8:00AM - 8:30AM AND 3:30PM - 4:00PM



## 6.0 QUALITY CONTROL

### 1. Identify

Identify unsafe drivers before they have a collision by soliciting feedback from concerned motorists with our 'How Am I Driving' stickers & truck identification numbers.

### 2. Notify

Notify our Leading Hand & the driver automatically of compliments, complaints, and safety issues reported by concerned motorists.

### 3. Modify

Modify unsafe driving behaviour before an incident or accident occurs with the help of training & consultation with all drivers

### 4. Quantify

Quantify the effectiveness of this Code of Conduct by monitoring community feedback and any incidents or accidents

