



**Mudgee Stone Company Pty Ltd**

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## TRANSPORT MANAGEMENT PLAN

# OBERON WHITE GRANITE QUARRY



## TRANSPORT MANAGEMENT PLAN

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**Endorsement of TMP by Mudgee Stone Company Director or Delegate**

Director

Date



13 December 2016

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<b>1</b>	01/09/2015	All	Original DRAFT Document	RM, LQ
<b>2</b>	01/03/2016	Sec 2.2, Table 1, Appendix B	DPE review	RM, EY
<b>3</b>	13/12/2016	Fig 1 & Fig 2	Consistency with EmStrat	EY

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## ABBREVIATIONS

MSC	Mudgee Stone Company
EMPs	Environmental Management Plans
TMP	Transport Management Plan
RMS	Roads and Maritime Services (former Roads and Traffic Authority)
DPE	Department of Planning and Environment
Department	NSW Department of Planning and Environment
NSW EPA	NSW Environment Protection Authority
EMStrat	Environmental Management Strategy
CPI	Consumer Price Index
DRE	Department of Resources and Energy

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## 1 INTRODUCTION

### 1.1 Overview

Mudgee Stone Company (hereafter MSC) is a wholly owned subsidiary of Mudgee Dolomite and Lime Pty Ltd based in Mudgee, NSW. MSC own and operate the Oberon White Granite Quarry, located approximately 6km east south-east of Oberon, NSW, covering an area of approximately 40ha.

On 7 September 2012, the Minister for Planning approved the expansion of the Oberon White Granite Quarry, Major Project 07\_0122. The project includes expansion of the extraction area and the rate of extraction at the quarry resulting in recovery of up to 5 million tonnes of granite over a 30 year period, transported from the site via road.

MSC has an Environmental Management System to support commitments to minimising impact on the environment and community. The system has been prepared by MSC to establish the overarching framework for the monitoring and environmental management of activities undertaken at the Oberon White Granite Quarry in order to minimise environmental impacts, comply with legal requirements, and incorporate the principles of continuous improvement into environmental management at the site.

The components of the MSC Environmental Management System include:

- Environmental Management Strategy;
- Specific and separate Environmental Management Plans (EMPs), including this document, and Environmental Monitoring Programs which provide details on the management of environmental aspects and impacts;
- Site document control system including training records, monitoring results, site registers, environmental forms; and
- Management roles and accountabilities of key personnel.

### 1.2 Scope

This Transport Management Plan (hereafter TMP) has been prepared to manage operational impacts associated with transport and haulage for the Oberon White Granite Quarry. (A Construction Management Plan will be prepared for temporary traffic issues during construction periods). The scope of the plan applies to MSC operations, including MSC management, employees and contractors. The TMP provides provision for the safe movement of trucks and light vehicles associated with the quarry along with private resident vehicles entering shared roads and all vehicles

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utilising both Ferndale and Hampton Roads. Additionally, it refers to the design and maintenance of roadways, signs, lighting and safety equipment.

A copy of this Transport Management Plan will be made available to members of the public on the MSC website:

[www.mudgeestone.com.au](http://www.mudgeestone.com.au)

### **1.3 Objectives**

The objectives of the TMP are to:

- Ensure the safety of its employees, contractors, the general public whilst transporting material and undertaking quarry operations;
- Avoid traffic delays;
- Maintain satisfactory property access to private residents along Ferndale Road;
- Encourage asset protection, minimising damage to equipment and roads;
- Minimise disturbance to the environment; and
- Provide a protocol and code of conduct for managing and ensuring all relevant statutory requirements are met.

MSC will provide people, materials, resources and systems to properly perform requirements of the TMP. All MSC employees will be sufficiently competent, experienced and qualified to carry out the requirements.

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## 2 STATUTORY REQUIREMENTS

This TMP has been developed to comply with the requirements of relevant legislation, Project Approval conditions and relevant standards and guidelines.

### 2.1 Legislation

MSC has developed this TMP to address the conditions outlined in the Project Approval; Major Project 07\_0122 (conditions available in **Appendix A**).

Major Project 07\_0122 (Schedule 2, Condition 35) requires the preparation and implementation of a Transport Management Plan which must:

- (a) be submitted and prepared in consultation with the RMS and Council;*
- (b) include a driver's code of conduct for the project;*
- (c) describe the measures that would be implemented to ensure:*
  - establishing a CB radio communication protocol with the local bus companies, to improve driver awareness of quarry truck and school bus locations along haulage routes;*
  - the drivers of project-related vehicles comply with the drivers' code of conduct for the project; and*
  - compliance with the relevant conditions of this approval: and*
- (d) include a program to monitor the effectiveness of the implementation of these measures.*

*The proponent will not carry out any development on the site under this approval before this plan has been approved by the Director-General.*

The TMP was prepared by MSC in consultation with suitably qualified experts in consultation with the RMS and Oberon Council for approval by NSW Department of Planning (DoP). Copies of the correspondence can be found in **Appendix C**.

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## 2.2 Approvals and Licences

**Table 1: MSC Statutory Approvals**

<b>Approval/Licence</b>	<b>Activity</b>	<b>Date</b>	<b>Authority</b>
Approval 07_0122	Project approval – ‘Oberon White Granite Quarry Project’	7 Sept 2012	NSW Department of Planning and Infrastructure
EPL 20551	Licence – Premises Based	17 June 2015	NSW Environment Protection Authority (NSW EPA)

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### 3 BASELINE DATA

Traffic volumes and conditions are recorded for the Project prior to the commencement of the expansion of the Oberon White Granite Quarry in the Environmental Assessment prepared by R.W. Corkery & Co. Pty. Ltd (2010), supported by engineers report prepared by Barnson (2010).

#### 3.1 Road Conditions

Access to the site is gained via:

- Hampton Road (also known as Duckmaloi Road) an RMS controlled road on the main route from Oberon to Lithgow/Sydney. The road is a sealed, two lane road with gravel shoulders, reflector posts, centre line and markings. The legal speed limit is 100km/h;
- Ferndale Road a local Council controlled road which provides access from Hampton Rd to local properties and to the Quarry. It is a sealed two lane road with reflector posts, however, it has no line markings. The legal speed limit is 60km/h;
- The site access road within the right of carriageway (benefitting DP603429) which is a gravel sealed road with an adopted site speed limit of 30km/h; and
- Internal site access road between the haul road and the quarry and weighbridge which is a gravel sealed road with an adopted site speed limit of 30km/h.

The existing safe sight distance (determined by Barnson 2010) for the intersection between Hampton Rd and Ferndale Rd is 240m which exceeds the safe sight distance required by AUSTRROADS standards. Both Hampton Rd and Ferndale Rd are currently in good condition. The exact condition of the public roads will be recorded by MSC prior to commencement of operations. It is MSC's responsibility to maintain the length of the quarry haul route and right of carriageway on the site to the satisfaction of the Secretary.

#### 3.2 Traffic Volume

General traffic volume data from the RMS (formerly RTA) is available for Hampton Road at the Duckmaloi River bridge approximately 6.5 km east of the Ferndale Road intersection. Latest traffic count (2007) numbers reveal that approximately 1200 vehicles travel along Hampton Road each day, of which approximately 228 are heavy vehicles.

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The local school bus travels along Hampton Road each school day leaving Oberon (empty) at 7.30am, east toward Jenolan Caves Rd where it turns to return back along Hampton Rd where several children board the bus. The bus makes a pick up on Hampton Road approximately 4km east of Ferndale Rd and then passes Ferndale Rd at approximately 8.15am. In the afternoon the bus returns along Hampton Rd, stopping for children to disembark passing Ferndale Rd at approximately 3.50pm travelling east and then again at 4.20pm (empty) travelling west.

### **3.3 Databases to be maintained by MSC**

Data relevant to the TMP will be kept in the databases established under the EMStrat and MOP, such as:

- Operational Databases for product records (include traffic monitoring).
- Personnel database for competency & training
- Environmental monitoring records;
- Complaints register; and
- Statutory requirements register.

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#### 4 PERFORMANCE CRITERIA

During the operation of the project, MSC will endeavour to implement best management practice to comply with statutory requirements and adopted performance criteria. Performance criteria adopted under the TMP includes:

**Table 2: Performance Criteria - Transport Management**

Criteria	Note
Minimal substantiated complaints is achieved with regard to haulage and transport issues.	MSC TARGET - A specific target for the number of these complaints will be set annually at the adoption and review of the TMP.
Nil incidents are recorded with regard to haulage and transport issues, including traffic delays.	MSC TARGET
Transport limitations are not exceeded.  Each loaded truck shall be weighed that leaves the site and accurate and accessible records are kept to ensure MSC does not transport more than (a) 250,000 tonnes of product from the site in any calendar year; (b) 40 laden trucks from the site in one day; or (c) 6 laden trucks from the site in an hour.	(Statutory requirement Schedule 2 Condition 8 of Project Approval 07_0122).  Operating Conditions are inbuilt to adopted control measures. (Relevant statutory requirements – Schedule 3 Condition 33(a) –(d)).
Haulage route conditions do not deteriorate below the standard acceptable by the Director-General.  The haulage route on site is maintained by MSC to ensure safe road conditions. Traffic control measures are installed and maintained for the life of the operation, including: reflector posts on Hampton Road (work to be preapproved by RMS and to be carried out by persons prequalified by the RMS), give way line markings and signage on Ferndale Road (to be carried out in accordance	(Statutory requirement Schedule 3 Condition 30 & 31 of Project Approval 07_0122).

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with Oberon Council guidelines and requirements).	
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It is essential to measure the service quality provided by MSC; this includes the services to customers and also the general public, including other road users and residents of the area.

Criteria will be monitored with reference to **Section 6**. The number of complaints received will be the greatest indicator of performance for MSCs' Oberon Quarry.

The Production Manager may revoke any appointment should it be considered appropriate in response to recorded incidents.

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## 5 TRANSPORT MANAGEMENT AND CONTROL MEASURES

### 5.1 Management Measures

MSC has committed to managing its operations to minimise impact on the environment and community, including traffic/haulage issues. The TMP is guided by the following management measures.

**To ensure the safety of its employees, contractors, the general public whilst transporting material and undertaking quarry operations MSC requires that:**

- Only operators appointed in writing by the contracting transport company and the Quarry Production Manager may operate the type of vehicle to which the appointment relates. The operator shall achieve an acceptable degree of competence to operate vehicles before commencing work.
- All drivers including sub-contractors are required to read and sign a written copy of the Code of Conduct to ensure they are aware of the requirements of their employment prior to commencing work on the site. (The signed code of conduct is to be kept by MSC as a record of the agreement).
- Vehicles are driven at safe speeds no greater than 30km/h (never above 30km/h) on site to allow the driver total control at all times, ease of observation of any obstruction or person ahead and the ability to stop the vehicle safely should circumstances require.
- Where vehicles are travelling in convoy, a minimum distance of 30 metres shall be maintained between vehicles to prevent a collision in the event of an emergency stop. Drivers must be aware of others travelling in convoy. Each driver must ensure CB radios are on and tuned to the correct channel to ensure communication is available at all times with all other vehicles on the road.
- Installation of 'Fog Signs' in consultation with the RTA, 240m east and 240m west of the proposed intersections. If these signs are not able to be sighted prior to vehicles exiting the site, operations should be suspended.

**To avoid traffic delays it is required that:**

- Installation of reflector posts or similar and signage, prior to carrying out any development on site take place, to allow the assessment of visibility during poor weather conditions such as fog.
- Installation of give-way markings and signage at the joining of the quarry haul road onto Ferndale Road, to the satisfaction of Oberon Council as required in the Project Approval.

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- Each driver and operator must ensure CB radios are turned on at all times and tuned to the correct channel when within the quarry site and on the Ferndale Road. All drivers must meet the requirements of the Code of Conduct (**Appendix B**) and Communications Protocol.
- MSC provide a parking area in accordance, at the time of the commencement of the development, with Part F of Oberon Council's Development Control Plan (<http://www.oberon.nsw.gov.au/images/documents/oberon/mig/8346-DCPF08.pdf>). (Statutory requirement Schedule 3 Condition 32 of Project Approval 07\_0122).

**To maintain satisfactory property access to private residents along Ferndale Road it is required that:**

- MSC will maintain the roadways within the right of carriageway within the Project Site as well as repair any damage to the Ferndale Road caused by the quarry transport operations.
- Vehicle operators maintain an awareness of other road users inherent in the provisos of the Code of Conduct and TMP.
- Communication when road closure is required during blasting addresses any temporary disruptions and that protocol is addressed in driver induction.

**To encourage asset protection, minimising damage to equipment and roads it is required that:**

- Any overloaded trucks will be directed to unload a portion of their load to ensure that the vehicle mass remains within legal weight loadings.
- The designated haul routes are utilised and no alternate routes are travelled on.
- The proponent shall ensure that all plant and equipment used at the site is:
  - Maintained in a proper and efficient condition; and
  - Operated in a proper and efficient manner.

**To minimise disturbance to the environment it is required that:**

- Transportation of materials would be restricted to between 7.00am and 6.00pm daily (Monday to Friday) and 7.00am and 1.00pm (Saturday) and at no times on Sundays or public holidays.
- Watering of roads take place where dust is in excess of the safe limits in accordance with the MSC Air Quality Management Plan.

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## 5.2 Training

Furthermore it is required that training and assessment of operators will be undertaken prior to their commencing work on the site. Training will be competency based. Re-training, reassessment and refresher training shall be conducted as necessary.

Training shall include:

- General site induction,
- Role appropriate briefing of responsibilities, and
- Information sessions and toolbox meetings to provide follow up for onsite training.

Training areas include:

- Reporting procedures,
- General operation procedures for that vehicle,
- Loads and Towing,
- Personnel and materials,
- Parking procedures,
- Speed limits,
- Grades,
- Roadway maintenance procedures,
- Pre-start inspections, and
- Code of Conduct and Communication Protocol.

### 5.2.1 School Bus Route

It is noted that a local school bus route operates on Hampton and Titania Roads near the Project Site. It is advised that, in the morning, the school bus leaves the Oberon Township at approximately 7:30am travelling empty eastwards on Hampton Road to Jenolan Caves Road. The school bus then returns via Hampton Road collecting school children with the closest pick up / drop off point located approximately 4km east of Ferndale Road. The bus passes Ferndale Road at approximately 8:15am before turning left into Titania Road. There are no pick up / drop off points on Hampton Road between Ferndale Road and the Oberon Township. In the afternoon, the school bus leaves the Oberon township at approximately 3:30pm heading eastwards on Hampton Road and initially turning right into Titania Road. The school bus then returns to Hampton Road heading eastwards passing Ferndale Road at approximately 3:50pm returning past Ferndale Road empty at approximately 4:20pm.

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## 6 MEASUREMENT AND EVALUATION

### 6.1 Traffic Monitoring System

All laden trucks will be required to exit via the weighbridge following a one way traffic route through the quarry. Drivers are also to complete written day book docket.

MSC has established a system of daily, weekly and monthly environmental monitoring. The effectiveness of the management measures are assessed by evaluation in the reporting mechanism on site, primarily being the environmental monitoring carried out by the Production Manager or delegate.

The Production Manager or delegate will undertake weekly inspections of the site roads and the road between the project site and Ferndale Road whilst they are in use to ensure that all traffic impacts are being minimised and any required maintenance or relocation of public infrastructure is carried out as soon as possible to meet the requirements of the EMStrat and project approval.

**Table 3: Traffic Monitoring**

Observation/Record	Frequency
<b>Raised dust</b> as a result of haulage	Daily during operations.
<b>Road conditions</b> and need for maintenance.	Weekly Inspections.
Compliance with <b>haulage</b> restrictions: <ul style="list-style-type: none"> <li>• <b>Weight</b> of laden trucks.</li> <li>• Number of laden trucks from the site in <b>one hour</b>.</li> <li>• Number of laden trucks from the site in <b>one day</b>.</li> </ul>	Continuous during haulage offsite.
Compliance with <b>tonnage of product</b> transported in any calendar year.	Monthly records will be collated and reported.
<b>Recording</b> monitoring undertaken in appropriate form.	As required by type of observation.

### 6.2 Transport Records

Data relevant to the TMP will be kept in the databases referred to in **Section 3.3**. The records within the traffic monitoring system include:

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- Written day book dockets completed by drivers,
- Weighbridge records,
- Environmental monitoring records, and
- Competency/training records.

MSC will keep accurate records of the amount of quarry products transported from the site on a monthly basis and the date and time of loaded truck departures from the site.

All haulage records are required to be included in the annual review and to be published on the MSC website on a quarterly basis.

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## 7 CONTINGENCY PLAN

Where transport management measures have been instigated in accordance with the TMP, and unauthorised impact is considered likely, contingency measures will be implemented:

- As soon as practicable for direct impacts; and
- After appropriate evaluation, consultation, planning and design for indirect impacts.

Measures include:

- Haulage will cease or quarry operations will be modified until issues can be determined and managed.
- In the case of traffic incidents and emergencies the Production Manager will discuss management actions in consultation with Oberon Council and RMS as appropriate.
- Contingency measures will be at the discretion of the Production Manager after appropriate evaluation, consultation and approval from the Department of Planning and Infrastructure.
- Management will undertake review and ensure that ongoing impacts are within acceptable limits or issues resolved as quickly as possible.

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## 8 INCIDENT RESPONSE PROTOCOL

All incidents must be reported to the Production Manager immediately. Every person is responsible for reporting accidents and near miss incidents, without delay after the occurrence. Incidents will be responded to in accordance with the Incident Response Communication Protocol outlined in **Figure 1**.

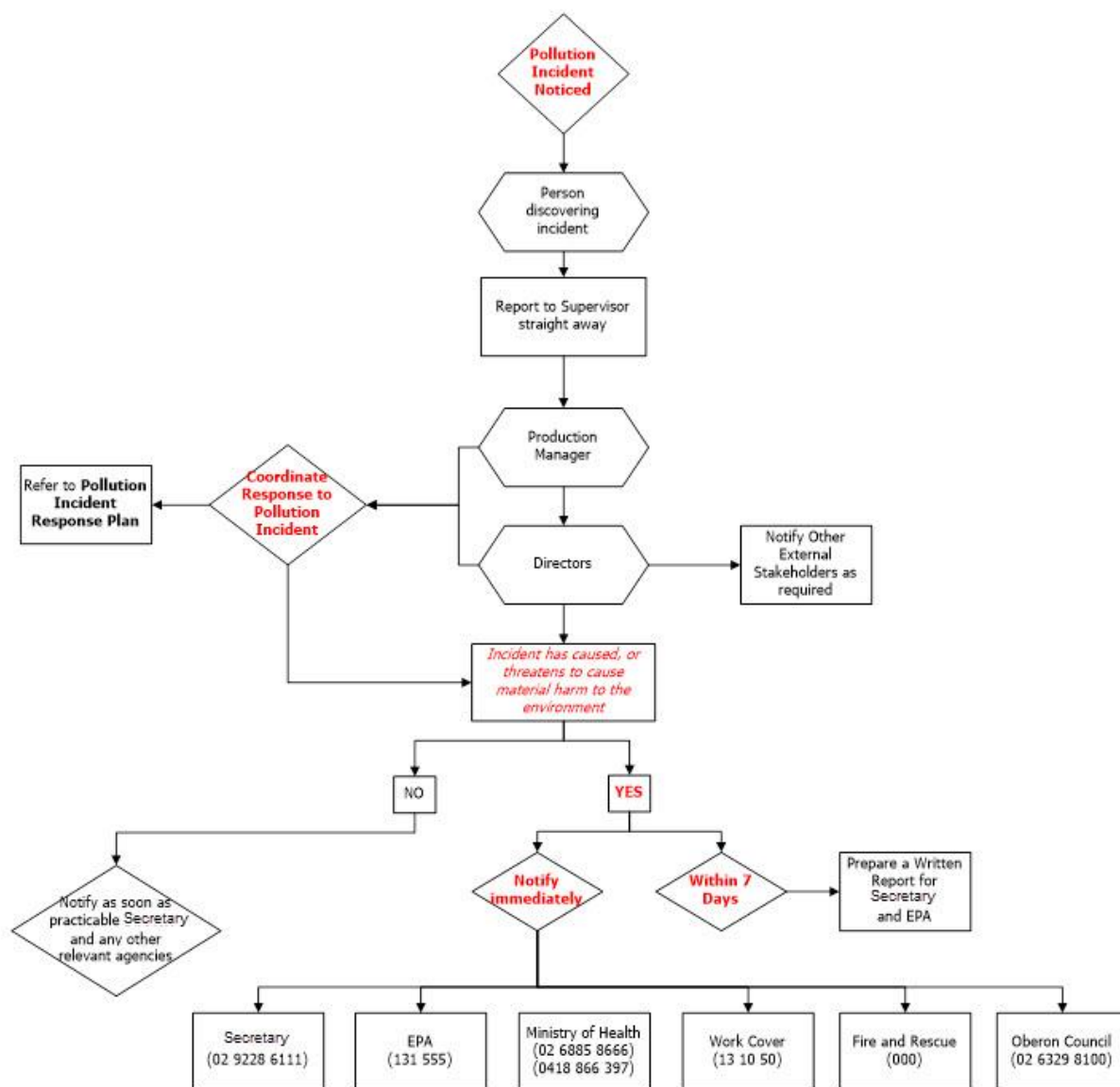
The Production Manager will assess the incident and where deemed necessary will stop all operations of the quarry immediately until a full investigation of the incident is carried out and the safety of all employees and environmental factors on site are determined.

The people listed in the **Table 4** below are authorised to manage the response to any incident. The particulars are 24 hour contact details.

**Table 4: Details for People Responsible for Incident Management**

Position	Individual	Phone Number
General Manager	Robert Murdoch	0438 722 389
Quarry Production Manager	Brian Murdoch	0437 885 851

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**Figure 1: Incident Response Communication Protocol**

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## 9 COMPLAINTS RESPONSE

The MSC community complaints response process outlined in this EMStrat details how to receive, respond to, and record any community complaints. Where possible a proactive approach will be taken to engage the community in discussing proposed activities that may affect them. Any complaints received will be recorded and responded to in a professional and timely manner by the Production Manager, Director or delegate.

The community complaint recording requires information including:

- The nature of the complaint;
- Method of the complaint;
- Monitoring results, meteorological data, at the time of the complaint;
- Site investigation outcomes;
- Site activity and activity changes; and
- Any necessary actions assigned.

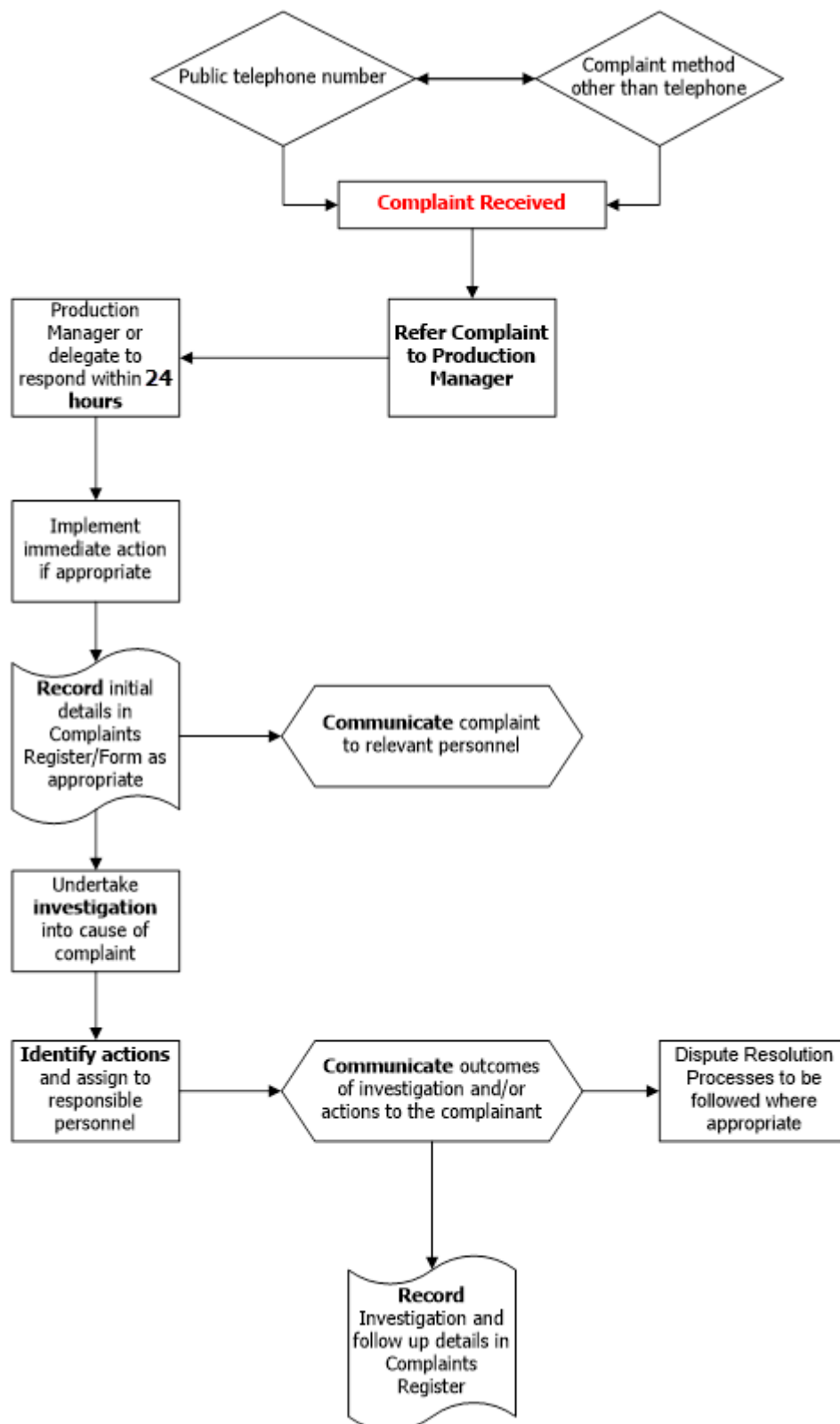
Mudgee Stone has a phone number advertised in the local media, displayed at the site entry and available at <http://www.mudgeestone.com.au/> for the community to report complaints.

Complaints will be recorded and reported to the Production Manager, Directors or appropriate delegate who will respond to all complaints received and attend to required action items. Complaints details will be retained in a register on site. Records of complaints will be kept on site for at least 4 years. An overview of the community complaint management process is detailed within **Figure 2**.

All Drivers are aware of the complaints process and disciplinary action involved. The first substantiated complaint will be verbally brought to the attention of the truck driver and in the case of contract driver, to the driver's employer or manager. The second substantiated complaint will be brought in writing to the attention of the truck driver and in the case of contract driver, to the driver's employer or manager. The third substantiated complaint would result in dismissal from the site. For any MSC employee, action will be taken through MSC's current disciplinary system.

Every effort will be made to ensure that concerns are addressed in a manner that facilitates a mutually acceptable outcome for both the complainant and MSC. If required, the Independent Dispute Resolution Process will be entered into. This process is illustrated in the Environmental Management Strategy (EMStrat).

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**Figure 2: Community Complaints Response Process**

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## 10 NONCOMPLIANCE, CORRECTIVE ACTION AND PREVENTATIVE ACTION

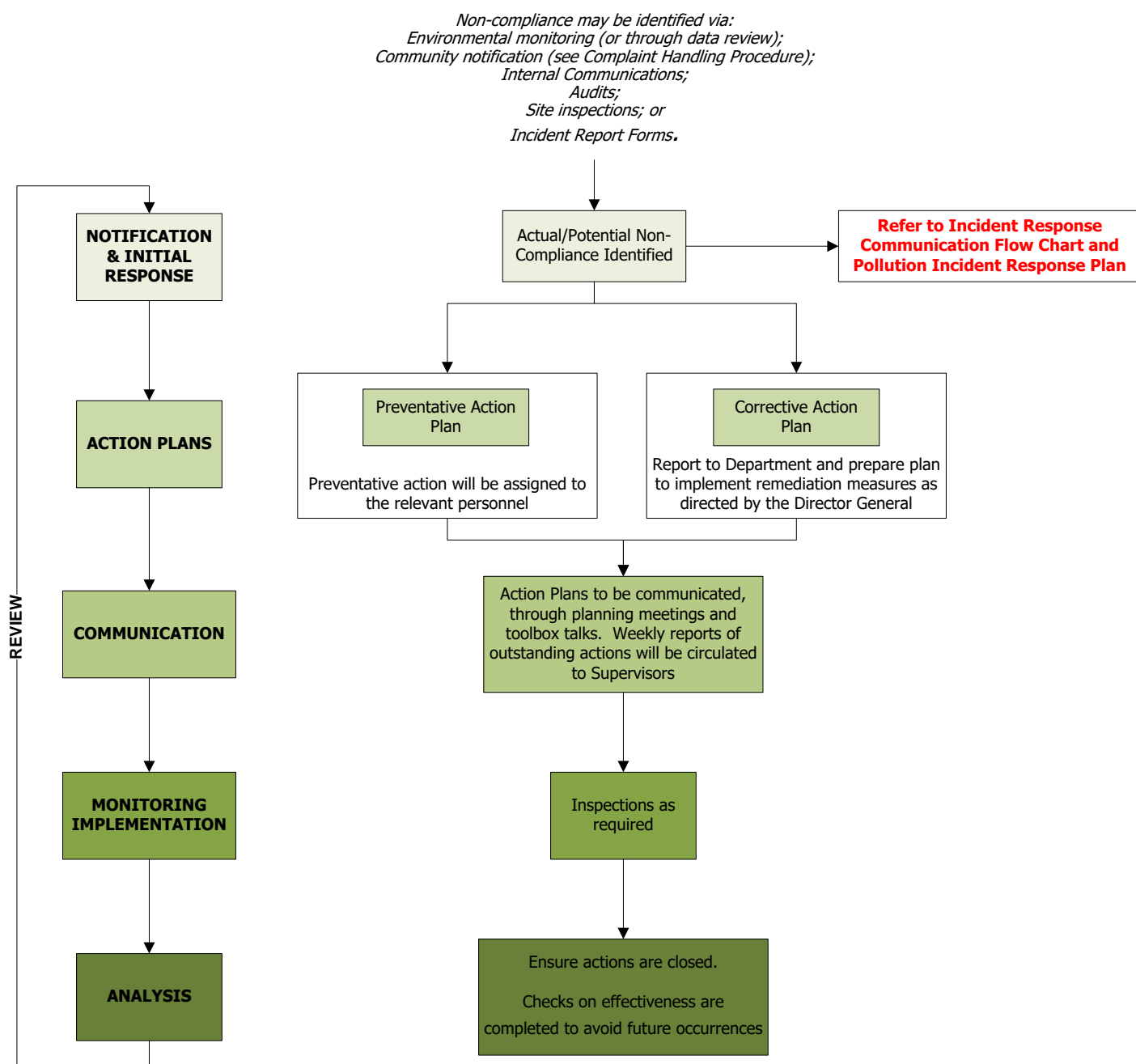
Any actual or potential non-compliance against environmental criteria will be investigated initially by the Production Manager. Environmental incidents will be recorded on the Incident Form. Corrective actions and relevant reporting will be implemented, if necessary, according to the EMStrat and the process below.

Monthly inspections, along with the review of environmental monitoring results, and any incidents and/or community complaints, will determine any trends and need for preventative action or identify compliance issues and be reported to the Directors on a monthly basis. Refer to **Figure 3** the protocol for managing any non-compliance with statutory requirements, and exceedances of the assessment criteria and/or performance criteria.

Internal reporting will occur in accordance with the provisions within the EMStrat. Externally, in accordance with the requirements of Project Approval 07\_0122, at the earliest opportunity of detecting an exceedance of the limits/performance criteria, MSC shall notify the Department and other relevant agencies of the exceedance/incident.

MSC will take all reasonable and feasible measures to ensure that the exceedances do not recur. A report to the Department considering reasonable and feasible options and preferred remediation measures or other course of action would be prepared.

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**Figure 3: Protocol for managing non-compliance with statutory requirements, and exceedances of the assessment criteria and/or performance criteria**

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## 11 REVIEW

MSC will review the TMP to ensure it is appropriate and is being implemented effectively. Changes may arise from a change of scope, incident management or from opportunities for improvement.

The Plan will then be updated to reflect any changes which have occurred. The revised document and the input which led to the revisions will be reviewed by MSC directors, approved internally and then forwarded to Oberon Council and Roads and Maritime Services representative for their record.

The planned target dates (or frequencies) at which the TMP will be subject to formal review and the personnel who will participate in the review are identified below:

This plan will be reviewed:

- Every three (3) years and / or;
- When triggered by any event, incident or finding(s) that identifies improvement in the controls that effectively manage the identified hazards;
- Within 3 months of any changes to project approval or licence conditions relating to pollution incidents;
- Following an independent environmental audit which recommends changes to the management plan;
- If there is a relevant change in technology or legislation.

At the conclusion of each calendar year after the commencement of development on the site under Project Approval 07\_0122, a review will be undertaken regarding the environmental performance of the project who's content adheres to the criteria given in Condition 4 of Schedule 5 of this project approval and, if necessary, within three months of submission revise the strategies, plans, and programs required under this approval.

MSC will maintain records of any review.

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## 12 TABLE OF RESPONSIBILITIES

**Table 5: Responsibilities**

Position	Task	Timing									
Directors	Provide adequate resources to implement the TMP.	During budget planning									
Production Manager	Keep records of the weight of each truck leaving the site as measured by the weighbridge, and collate these into a weight of products figure ensuring that this weight is never in excess of the weight limits stated in Schedule 2 Condition 7. Furthermore the frequency of truck departures should be recorded to ensure it is not in excess of Schedule 2 Condition 8.	Monthly									
	Inspect all roads within the site and Ferndale Road. Direct maintenance where necessary with the approval of the RMS.	When necessary									
	Ensure the payment to council of 10c per tonne of extracted material is made to Oberon Council monthly as well as a contribution of \$1000 at the end of each calendar year (subject to increase in accordance with the annual CPI).	Times designated									
	Ensure that prior to carrying out development on the site payment is made to Oberon Council in accordance with Table 2 under Schedule 2 Condition 17 of this approval (subject to increase in accordance with the annual CPI)	Prior to initiation of development									
	Table 4: Council Contributions										
	<table><tr><td>Public Infrastructure or service</td><td>Contribution</td></tr><tr><td>Public open space</td><td>\$222</td></tr><tr><td>Emergency services</td><td>\$266</td></tr><tr><td>Rural roads</td><td>\$4,333</td></tr><tr><td>Community facilities</td><td>\$222</td></tr></table>		Public Infrastructure or service	Contribution	Public open space	\$222	Emergency services	\$266	Rural roads	\$4,333	Community facilities
Public Infrastructure or service	Contribution										
Public open space	\$222										
Emergency services	\$266										
Rural roads	\$4,333										
Community facilities	\$222										
	Complete forms and reports including the annual report submitted to the EPA and DRE submissions of quarry production data using the standard form for this data	Annually									

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	Conduct full review of the TMP every three years ensuring all, if any, changes are sent to Oberon Council and RMS for their records.	Times designated
	Respond to complaints in accordance with the adopted process.	As required.
Quarry Supervisor	Monitor dust created as trucks move to and from the site. Where dust is excessive ensure mechanisms are put into place to reduce the dust (e.g. water spray devices on roads).	When necessary
	Ensure the drivers Code of Conduct and Communication Protocol is adhered to at all times.	At all times
All Drivers	Abide by the Drivers Code of Conduct and Communication Protocol.	At all times
	Complete written day book dockets documenting load and delivery details.	Daily during haulage.
All employees	Abide by the Drivers Code of Conduct and Communication Protocol.	At all times
	Report and record incidents.	As required.

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# APPENDIX A – TABLE OF STATUTORY REQUIREMENTS

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Condition Number	Action	Section addressed										
Schedule 2 Condition 7	The Proponent shall not: (a) Extract more than 250,000 tonnes of extractive materials from the site in any calendar year; or (b) Extract more than 5 million tonnes from the site over the life of the project.	Section 4										
Schedule 2 Condition 8	MSC shall weigh each loaded truck that leaves the site and keep accurate and accessible records to ensure they do not transport more than (Schedule 2 Condition 8 of Major Project 07_0122): (a) 250,000 tonnes of product from the site in any calendar year; (b) 40 laden trucks from the site in one day; or (c) 6 laden trucks from the site in an hour.	Section 6.1 & 6.2, Table 2										
Schedule 2 Condition 12	Protection of Public Infrastructure The Proponent shall: (a) Repair, or pay full costs associated with repairing, any public infrastructure that is damaged by the project; and (b) Relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the project.	Section 6.1										
Schedule 2 Condition 13	Operation of Plant and Equipment The proponent shall ensure that all plant and equipment used at the site is: (a) Maintained in a proper and efficient condition; and (b) Operated in a proper and efficient manner.	Section 5.1										
Schedule 2 Condition 16	Production Data The proponent shall: (a) Provide annual quarry production data to NSW Trade & Investment Division of Resources and Energy (DRE) using the standard form for that purpose; and (b) Include a copy of this data in the Annual Review.	Sections 6.2 & 12										
Schedule 2 Condition 17	Council Contributions Prior to carrying out any development on the site under this approval, the proponent shall pay the contributions outlined in Table 1 to Council. These contributions are indexed to the 2010/11 financial year, and must be increased in accordance with annual CPI. Table 2; Council Contributions <table><tr><th>Public Infrastructure or Service</th><th>Contributions</th></tr><tr><td>Public open space</td><td>\$222</td></tr><tr><td>Emergency services</td><td>\$266</td></tr><tr><td>Rural roads</td><td>\$4,333</td></tr><tr><td>Community facilities</td><td>\$222</td></tr></table>	Public Infrastructure or Service	Contributions	Public open space	\$222	Emergency services	\$266	Rural roads	\$4,333	Community facilities	\$222	Section 12
Public Infrastructure or Service	Contributions											
Public open space	\$222											
Emergency services	\$266											
Rural roads	\$4,333											
Community facilities	\$222											

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Schedule 2 Condition 18	Council Contributions The proponent shall pay Council an annual contribution of 10 cents per tonne of extractive material exported from the site. This contribution must be paid at the end of each calendar year, and increased over the life of the project in accordance with annual CPI.	Section 12
Schedule 2 Condition 19	Council Contributions The proponent shall pay Council an annual contribution of \$1,000 for administration and environmental monitoring. This contribution must be paid at the end of each calendar year, and increased over the life of the project in accordance with annual CPI.	Section 12
Schedule 3 Condition 30	Road upgrades and maintenance The proponent shall maintain the right of carriageway on the site to the satisfaction of the Director General.	Section 5.1
Schedule 3 Condition 31	Road upgrades and maintenance Prior to carrying out any development on the site under this approval, the Proponent shall: (a) install reflector posts on Hampton Road; and (b) install give-way line markings and signage to Ferndale Road, to the satisfaction of Council.	Section 5.1 Table 2
Schedule 3 Condition 32	Parking The Proponent shall provide sufficient parking for all project-related traffic, in accordance with Council's parking code.	Section 5.1
Schedule 3 Condition 33	Operating conditions The Proponent shall ensure that (a) vehicles on the site do not exceed a speed limit of 30 kilometres per hour (b) all loaded vehicles when entering or leaving site have their loads covered (c) all loaded vehicles leaving the site are cleaned of sand and other materials before they leave the site so they do not track dirt onto the public roads and (d) the transportation of all dangerous goods to or from the site is undertaken in strict accordance with the <i>Australian Code for the Transport of Dangerous Goods by Road and Rail</i> .	Drivers Code of Conduct (Appendix B)

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# APPENDIX B - DRIVERS CODE OF CONDUCT

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## Mudgee Stone Company Pty Ltd

# CODE OF CONDUCT FOR TRUCK DRIVERS

The delivery of the materials from and to the MSC Oberon White Granite Quarry is very important to MSC and your employment. We have a responsibility to ensure trucks operate in a safe and responsible manner at all times. MSC endorses the following requirements for all trucks travelling to and from the Oberon White Granite Quarry.

### DRIVERS MUST

- Have the appropriate Drivers Licence required by law and abide by all conditions of the licence including the wearing of prescription glasses while driving;
- Exit over and be weighed at the weighbridge when exiting the site with a loaded truck;
- Ensure that all overloaded trucks are unloaded of excess product and be reweighed before exiting;
- Cover all loads before exiting the site;
- Minimise the use of exhaust brakes when travelling on the Ferndale Road , in a built-up area or on any other local roads;
- Abide by the Communication Protocol when approaching, within and exiting the site;
- Engage Low Gear when travelling down hills in accordance with signage;
- 'Fog Signs' are installed 240m east and 240m west of the proposed intersections. If these signs are not able to be sighted prior to vehicles exiting the site, operations should be suspended;
- Complete 'Day Book Dockets' one for each day and a separate one for each material and hand original to Loader Driver or Site Office at end of each day;
- Report all incidences or accidents immediately to the Quarry Supervisor or to the Site Office;

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- Ensure all loads are fully covered and secured to prevent any incidents of falling material before exiting the quarry site;
- Carry out the transportation of all dangerous goods to and from the site in strict accordance with the *Australian Code for the Transport of Dangerous Goods by Road and Rail*;
- Have loaded vehicles cleaned of sand and other materials before they leave the site so as not to track dirt onto public roads;
- Obey traffic signs, signals, and directions from any site management present;
- Limit the maximum number of persons that may be carried in a vehicle to the number of seats that have been provided;

Remain completely within the driver's compartment while operating the vehicle;

- Ensure that all passengers and themselves are wearing seatbelts or restraints and are within approved seating;
- Not operate/continue to operate a vehicle if fatigued; and
- Wear PPE according to MSC standard.

#### **PLEASE ALSO**

- Give way to loaded trucks;
- Travel only on designated access roads;
- Ensure tailgates are fully fastened when in transit;
- Ensure headlights are on in times of poor visibility;
- Display an Amber Flashing Light when travelling on the Haul Road;
- Park where they can be seen by the Loader Driver when within the Quarry Pit Area;
- Observe all weight restrictions on all transportation routes and strive to utilise heavy vehicle routes where possible;
- Take note of the Heavy Machinery Start Up Horn Signals;
- Maintain a gap of two vehicle lengths between Trucks on the Haul Road;
- Ensure your vehicle is properly maintained and roadworthy at all times;
- Retain all rubbish in the truck cabin and dispose of it appropriately off site upon completion of use of the vehicle;

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- Drive carefully and considerately to limit any impacts upon surrounding residents;
- Be aware of shared road users especially light vehicles on the access road between the site weighbridge and the Ferndale road intersection;
- Drive in a manner that has due consideration for the generation of dust and diesel particulate. I.e. do not leave the engine idling, and monitor the filter condition via the gauge in the cab; and
- Be conscious of the local school bus which makes frequent stops east of the Ferndale Road turn off, on Hampton Road, from 8:05-8:25 am, 3:40-4:30.

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**PLEASE DO NOT**

- Exceed sign-posted speed limits on public roads, the access road, the haul road or within the quarry pit area;
- Enter the Quarry Pit Area without authorisation;
- Carry a load of material exceeding RTA weight limits;
- Pull over near any residences or park on the nature strip near any residences even for short periods of time (except in the case of an emergency);
- Queue in any public area;
- Transport materials in adverse weather conditions which result in unsafe stopping distances or driving conditions;
- Travel on the haul road if the 'Closed Road' barricade is set up;
- Carry objects that may cause injury in the same compartment as the passengers in any transport or conveyance attached to transport unless they are secured
- Transport material outside the approved haulage hours 7:00am to 6:00pm Monday to Fridays, 8:00 am to 6:00pm Saturdays and Sundays;
- Transport material any time on Sundays or public holidays.

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## PERFORMANCE REPORTS FROM THE PUBLIC

1. The general public are entitled to telephone MSC to lodge a complaint or commend a truck driver.
2. All complaints will be investigated and the complainant informed about the action taken.

## THREE SUBSTANTIATED COMPLAINTS AND YOU'RE OUT

### For all Contracted Employees:

- The first substantiated complaint will be verbally brought to the attention of the truck driver and the driver's employer or manager.
- The second substantiated complaint will be brought in writing to the attention of the truck driver and the driver's employer or manager.
- Dismissal from the site would occur if a third substantiated complaint occurs.

### For all Company Employees:

- Action will be taken through MSC's current disciplinary system.

## ADVERSE WEATHER CONDITIONS PROCEDURE

MSC will close the access road and the haul road to all transport activities in the event of adverse weather conditions affecting the safety of the road users or when the fog signs 240m east and west of the intersection of the haul road with Ferndale Road are obscured by adverse weather conditions.

Authorisation of Project Manager:

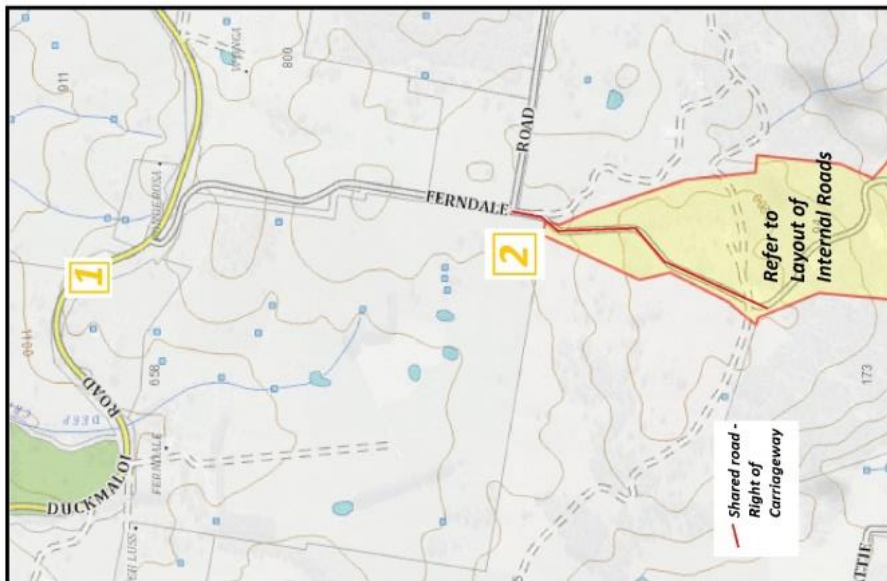
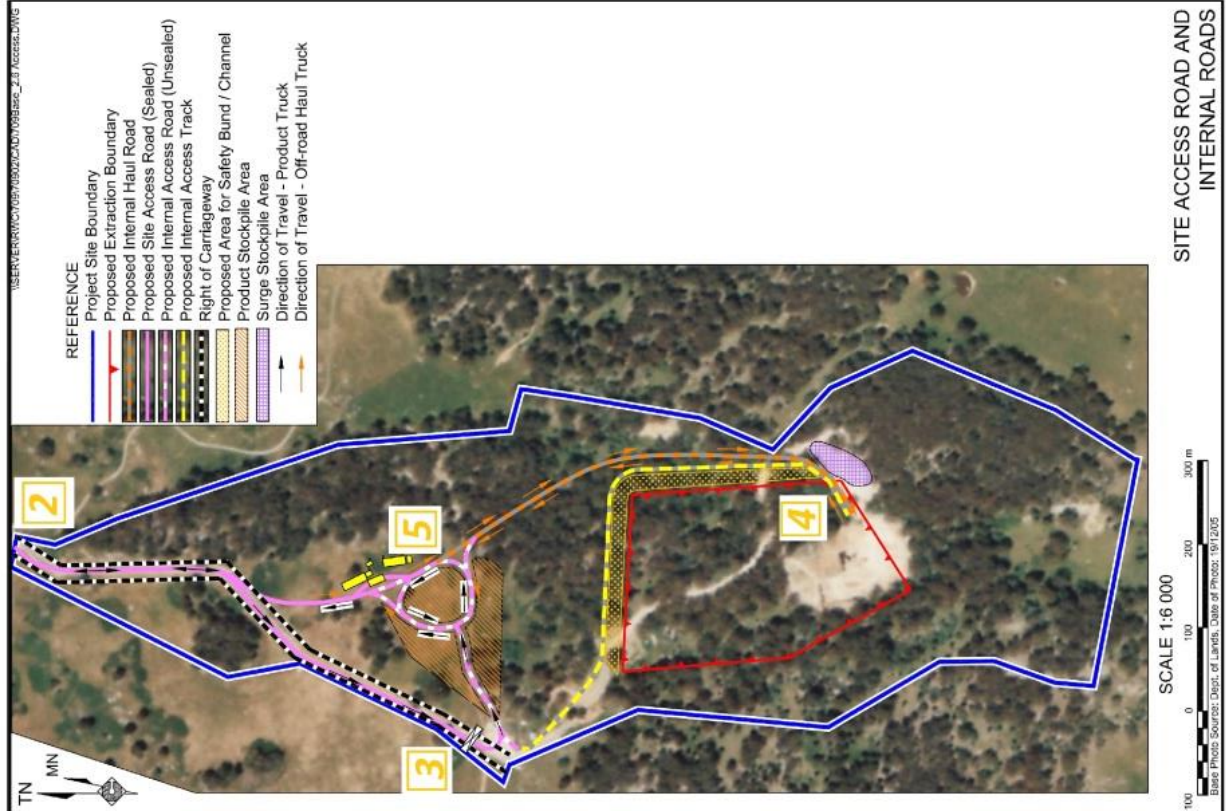
I agree to abide by this Code of Conduct

Signed: _____	Signed: _____
Name: _____	Name: _____
Company: _____	Mudgee Stone Company

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## Communication Protocol

- 1** CB radios are to be **tuned to Channel 9** when approaching Ferndale Rd and within quarry.
  - 2** Make a **call** to advise you have arrived at **front gate**, wait for signal that road is clear then enter site.
  - 3** **Call** when you reach **ramp 2**, notify arrival, wait for signal 'clear' before proceeding down the hill.
  - 4** **Call** upon **exiting** the quarry floor.
  - 5** **Call** approaching **weighbridge**, wait for signal to proceed & enter weighbridge area.
- Wait until correct measurement has been recorded before you exit.
- \* **COVER ALL LOADS**
  - \* **QUARRY SPEED LIMIT - 30KM/H**
  - \* **MINIMISE USE OF EXHAUST BRAKES ON FERNDALE ROAD**
  - \* **BEWARE OF SCHOOL BUSES & OTHER LIGHT VEHICLE ROAD USERS**
  - \* **DISPLAY FLASHING AMBER LIGHT ON HAUL ROAD**



**Mudgee Stone Company Pty Ltd**  
**Oberon White Granite Quarry**

## Transport Management Plan

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# APPENDIX C

## COPIES OF CORRESPONDENCE

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WST10/00084/03

Ms Emma Yule  
 Environmental Scientist  
 Minespex  
 PO Box 604  
 MUDGEE NSW 2850

Dear Ms Yule

**MP07\_0122: Oberon White Granite Project; Draft Transport Management Plan**

Thank you for your email on 23 April 2013 forwarding the draft Mudgee Stone Transport Management Plan (TMP) and Code of Conduct to Roads and Maritime Services (RMS) for comment. Reference is made to the Roads and Traffic Authority's (RTA now RMS) submission to Department of Planning & Infrastructure dated 17 January 2011.

In relation to the draft TMP, RMS makes the following comments:

- *Table 2: Performance Criteria – Transport Management 'The haulage route is maintained by MSC to ensure safe road conditions'*. It is understood that this statement only refers to haulage roads on site and not on the public road network. This requires clarification as Hampton Road is a state road under the care and control of RMS and in this regard any person/contractor carrying out work on a state road is required to be prequalified and the work preapproved by RMS;
- *Section 7 – Contingency Plan 'Contingency measures will be at the discretion of the Production Manager'*. This statement is not supported. RMS suggests that the statement should be extended to include 'after appropriate evaluation, consultation and approval from Department of Planning & Infrastructure';

In relation to the Code of Conduct, the following comments are made for inclusion in the final document:

- Details of school bus pickup and drop off points along transportation routes;
- Details of transportation routes to be followed for the delivery of product;
- Details of the existence and purpose of the reflective markers and fog signs installed on Hampton Road;
- Details of the local school bus route to include pick-up and drop-off points along the transportation routes;
- All loaded trucks are to exit the site over and be weighed at the weighbridge;

Roads and Maritime Services

51 - 55 Currajong Street Parkes NSW 2870  
 PO Box 334 Parkes NSW 2870  
[www.rms.nsw.gov.au](http://www.rms.nsw.gov.au) | 13 22 13

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- Any overloaded trucks are to unload any excess product and be reweighed before exiting the site;
- Drivers are to minimise the use of exhaust breaks when travelling on Ferndale Road, in a built-up area or on any other local roads;
- All loads are to be covered prior to exiting the quarry.

Upon inclusion of the abovementioned matters, RMS would support the adoption of the draft TMP and Code of Conduct. Should you require further information please contact Andrew McIntyre on (02) 68611453.

Yours faithfully

 13.5.2013

Tony Hendry  
Road Safety & Traffic Manager  
Western

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## Emma Yule

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**From:** Gary Wallace <Gary.Wallace@oberon.nsw.gov.au>  
**Sent:** Wednesday, October 9, 2013 4:06 PM  
**To:** Emma Yule  
**Subject:** Mudgee Stone Company - Transport Management plan

I refer to your letter received 21 July 2013 and apologise for the delay in correspondence.

Council's Engineering Department has now had the opportunity to view the document and advise that the Transport Management Plan submitted on behalf of Mudgee Stone Company is satisfactory.

It is requested that all transport related conditions of consent are incorporated in the plan so as transparency is maintained.

Council thanks Minespex for the opportunity to comment on the proposal.

Once again apologises for the late response.

Regards

Gary Wallace

Gary Wallace  
*Director of Development*



OBERON COUNCIL

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