



**Mudgee Stone Company Pty Ltd**

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## POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

# OBERON WHITE GRANITE QUARRY



## POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

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

Director

Date



01 / May / 2016

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## ABBREVIATIONS

AQMP	Air Quality Management Plan
MSC	Mudgee Stone Company
EMPs	Environmental Management Plans
PIRMP	Pollution Incident Response Management Plan
RMS	Roads and Maritime Services
DoP	Department of Planning, Industry and Environment
Department	NSW Department of Planning & Infrastructure
NSW EPA	NSW Environment Protection Authority
RMS	Roads and Maritime Authority
EMStrat	Environmental Management Strategy
DRE	Department of Resources and Energy
WMP	Water Management Plan

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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.

The *Protection of the Environment Legislation Amendment Act 2011* (POELA Act) requires holders of environment protection licences to prepare and implement Pollution Incident Response Management Plans.

### 1.2 Scope

MSC operate under Environment Protection Licence – 20551 (EPL 20551) issued under Section 55 of the Protection of the Environment Operations Act 1997. The EPL is

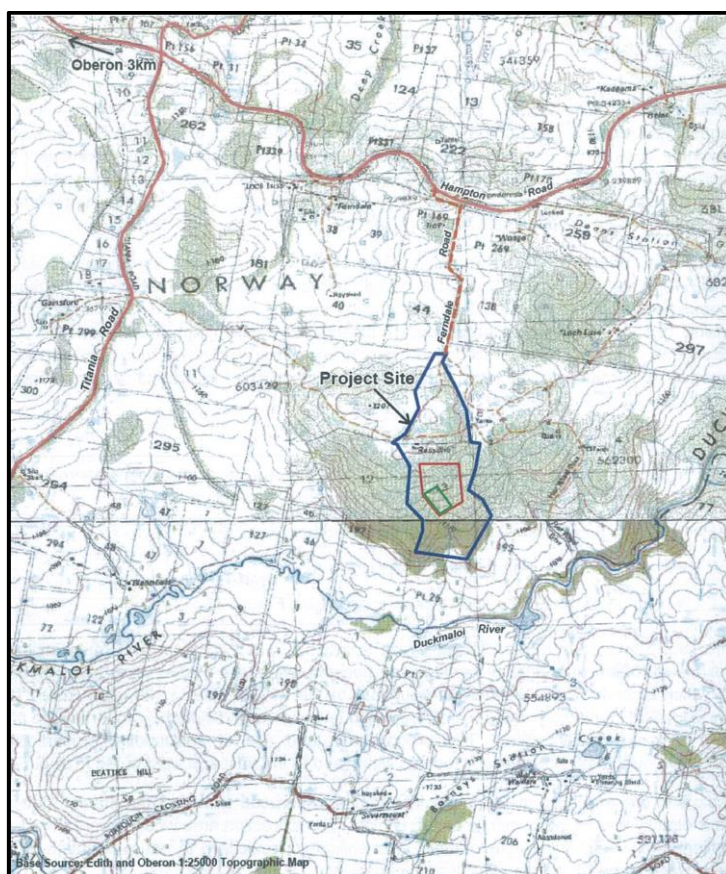
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required for the Scheduled activities of 'Crushing, grinding or separating' and 'Extractive activities'. The scale of the activity is not to exceed:

Scheduled Activity	Fee Based Activity	Scale
Crushing, Grinding or Separating	Crushing, grinding or separating	>30000-100000T processed
Extractive Activities	Land-based extractive activity	>30000-50000T extracted, processed or stored

This Pollution Incident Response Management Plan (hereafter PIRMP) has been prepared to manage pollution incidents from MSC's operations in areas covered by MSC's EPL 20551 (refer to **Figure 1**). The scope of the plan applies to MSC operations, including MSC management, employees and contractors. A copy of this Pollution Incident Response Management Plan will be made available to members of the public on the MSC website: [mudgeedolomiteline.com.au](http://mudgeedolomiteline.com.au)



**Figure 1: Location of Site area Lot 2 DP 1089826, covered by EPL**

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### 1.3 **Objectives**

The objectives of the PIRMP are to:

- To provide comprehensive and timely communication about a pollution incident to staff at the premises, the Environment Protection Authority (EPA), Oberon Shire Council, NSW Ministry of Health, WorkCover NSW, Fire and Rescue NSW and people outside MSC who may be affected by the impacts of the pollution incident;
- To minimise and control the risk of a pollution incident at MSC by identifying risks and developing action plans to minimise and manage those risks; and
- To properly implement the plan by training staff, identifying persons responsible for implementing the plan, and regularly testing the plan for accuracy, currency and suitability.

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

### 1.4 **Definitions**

The following definitions are taken from a document produced by NSW Environment Protection Authority (EPA) titled *Environmental Guidelines: Preparation of Pollution Incident Response Management Plans*.

The definition of a pollution incident is:

*"Pollution incident means an incident or set of circumstances during or as a consequence of which there is or is likely to be a leak, spill or other escape or deposit of a substance, as a result of which pollution has occurred, is occurring or is likely to occur. It includes an incident or set of circumstances in which a substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of any noise".*

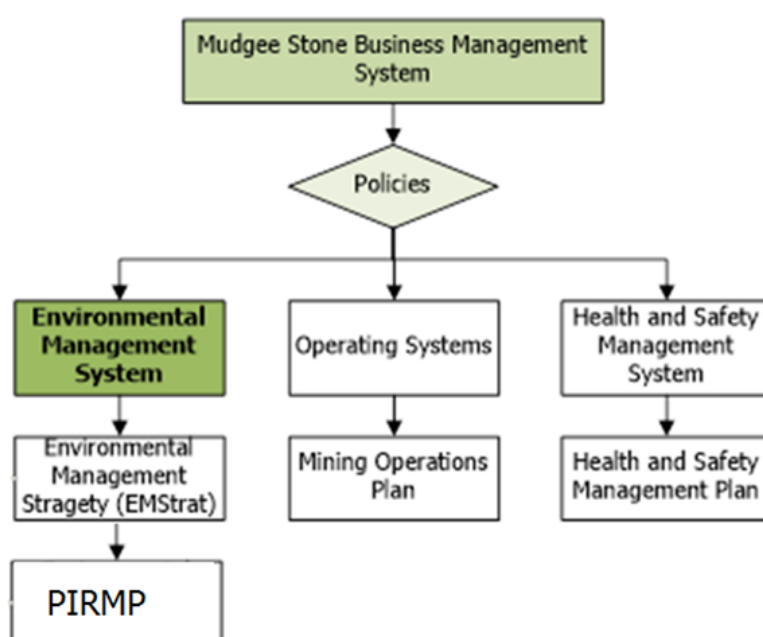
A pollution incident is required to be notified if there is a risk of 'material harm to the environment', which is defined in section 147 of the *Protection of Environmental Operations (POEO) Act* as:

- (a) harm to the environment is material if:
  - (i) it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or

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- (ii) it results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (or such other amount as is prescribed by the regulations), and
- (b) loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment.

### 1.5 Relationship to Other Documents



**Figure 2: PIRMP within the MSC Business System**

This PIRMP will form a key document in MDL's emergency response planning. Other relevant documentation relating to MDL's response to pollution incidents:

- The Environmental Management Strategy (EMStrat) is a component of the Mudgee Stone Business Management System. Several Environmental Management Plans including the PIRMP are implemented under the EMStrat.
- The Safety Management Plan adopted under the Health and Safety Management System outlines the site procedures for other emergency action.

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## 2 HAZARD IDENTIFICATION

MSC management have undertaken a review of activities and identified the major hazards associated with MSC's operations.

The project area has two distinct operational components i.e. the infrastructure and stockpile areas and the active extractive site area. Activities that occur outside these two key components include: rehabilitation areas, and use and maintenance of the haul road.

Potential hazards/risks to human health and or the environment have been considered, and summarised below:

### Transport related

- Haulage and transport impacts cause complaint from neighbours and traffic delays.
- Haulage route conditions deteriorate below the standard acceptable and cause safety risk and excessive dust.

### Noise related

- Noise levels generated and impacts on surrounding residents above acceptable limits during vegetation clearing, operation and construction and blast campaigns.

### Water related

- Extractive operations result in the interference of groundwater.
- Unauthorised discharges from water management system, including sediment.
- Exceedances of water quality limits occur.
- Water use limitations are exceeded and scale of operations does not match water availability.
- Groundwater is affected impacting upon supply to neighbouring landowners (bores).

### Hazardous chemicals and storage related

- On-site sewage system fails.
- Fuel is to be brought daily on to the site as required with the eventual installation of a self-bunded fuel storage tank on site. Fuel spills during refuelling.
- Waste storage area causes escape of hazardous substances (e.g.: waste oil, lubricants etc.).

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Landscape related

- Weed invasion of site areas.
- Clearing outside of approved areas and impact on important habitat.
- Failure of rehabilitation areas.
- Bushfire hazard and management issues.

Blast related

- Inaccurate profiling & drilling leading to unplanned impacts.
- Dust incidents.

After reviewing the definition of a pollution incident the following hazards have been identified as key issues requiring consideration in this PIRMP.

- Unauthorised discharges from water management system, including sediment laden runoff.
- Dust impact on people.

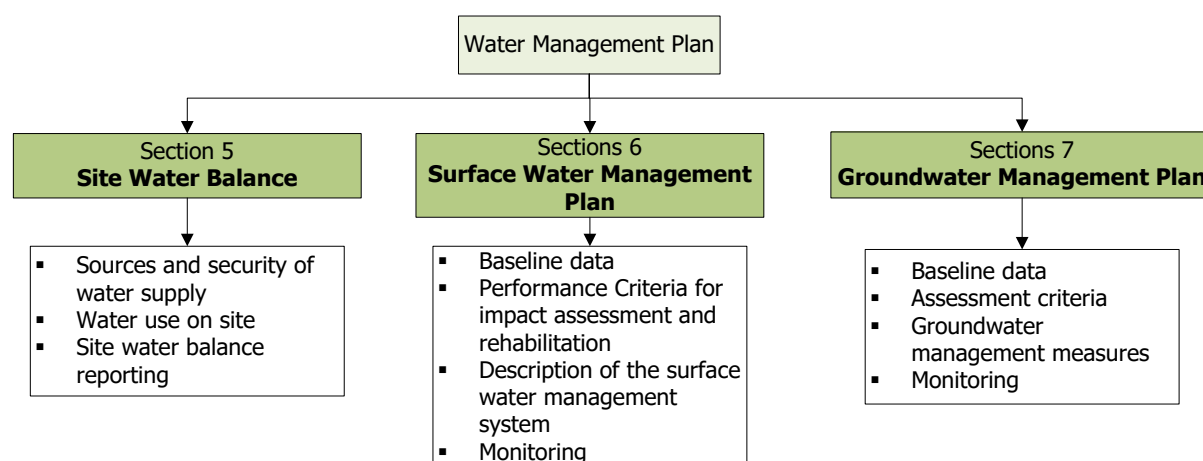
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### 3 PREVENTATIVE ACTIONS

Preventative actions MSC have put into place to minimise the risk of these pollution incidents occurring are outlined below. This information also covers the safety equipment in place and the actions taken to protect the health of employees where relevant.

#### 3.1 Water Management

To assist in the management of water and to minimise the risk of unauthorised discharges of dirty water from site, MSC have implemented a Water Management Plan (WMP). MSC have developed the WMP to address the conditions outlined in Major Project Approval 07\_0122. The scope of the WMP is depicted below in **Figure 3**.



**Figure 3: Overview of Water Management Plan**

Performance criteria adopted under the WMP, relate to the hazards identified. Details of MSC management measures are provided in the WMP. However, the water management and control measures that aim to address risk of unauthorised discharges from the water management system, including sediment laden runoff, generally include:

- Clean water diversion drains and banks;
- Pit sump;
- Stabilisation through use of vegetation; and
- Sediment dams.

MSC maintain a network of sediment dams and diversion channels (and natural water courses) to achieve segregation of clean and dirty water. Sediment dams are

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constructed prior to any land disturbance activities occurring and are maintained on an ongoing basis. In channel stability controls such as energy dissipaters and rock stabilisation techniques are used where required.

Sediment dams and other channels are inspected regularly by the Quarry Production Manager. It is the Quarry Production Manager's responsibility to ensure the water management system is effective. Trigger action response plans will be developed with the engineer with physical monitoring cues to be implemented, including when sediment removal and water release would be needed to retain capacity of the dams. Depth gauges will be installed and monitored fortnightly. Dewatering equipment will be used to maintain basin volumes.

Catchments and water management structures are depicted and described below:

- A small sediment retention basin (Dam 1) with a capacity of 0.7ML would be constructed in Catchment D1 immediately to the north of the proposed extended extraction area boundary.
- For runoff from Catchment D2 a 0.1ML sump would be constructed in the southwestern corner of the extraction area and a second sediment retention basin (Dam 2- capacity of 2.18ML) immediately south of the southern batter of the extraction area. Runoff within the extraction area would initially flow to the quarry sump effectively containing all dirty water runoff from the internal haul road and extraction area within the extraction area. As required, excess water from the quarry sump would either be pumped or siphoned to Dam 2.
- Any overflow from Dam 2 would be expected to meet relevant water quality criteria, however, the existing sediment retention basin adjacent the southern boundary of the Project Site (Dam 3) would be retained and stabilisation work undertaken to ensure that only clean water reports to this dam. Dam 3 would also act as a 'back up' in the case of an extreme event that exceeds design capacities.

The Project Site drains to the Duckmaloi River, which forms part of the Fish River catchment, a tributary of the Macquarie River. The Duckmaloi River is located approximately 500m south of the Project Site. An incident occurs when pollution occurs that is not in accordance with the EPL 20551.

The EPL20551 has four (4) approved monitoring and/or discharge locations. The following table refers to these locations:

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EPA identification no.	Type of Monitoring Point	Type of Discharge point	Location Description
<b>AIR</b>			
2	Meteorological weather station		Adjacent to site offices
<b>WATER and LAND</b>			
1	Discharge to waters; Water quality monitoring	Discharge to waters; Water quality monitoring	Discharge from existing dam noted as 'Dam 3' on Figure 4.6 of "Environmental Assessment for the Oberon White Granite Quarry November 2010"
3	Environmental Monitoring		Duckmaloi River upstream of premises as shown in Figure 4.5 of the report titled Environmental Assessment for the Oberon White Granite Quarry, November 2010
4	Environmental Monitoring		Duckmaloi River downstream of premises as shown in Figure 4.5 of the report titled Environmental Assessment for the Oberon White Granite Quarry, November 2010

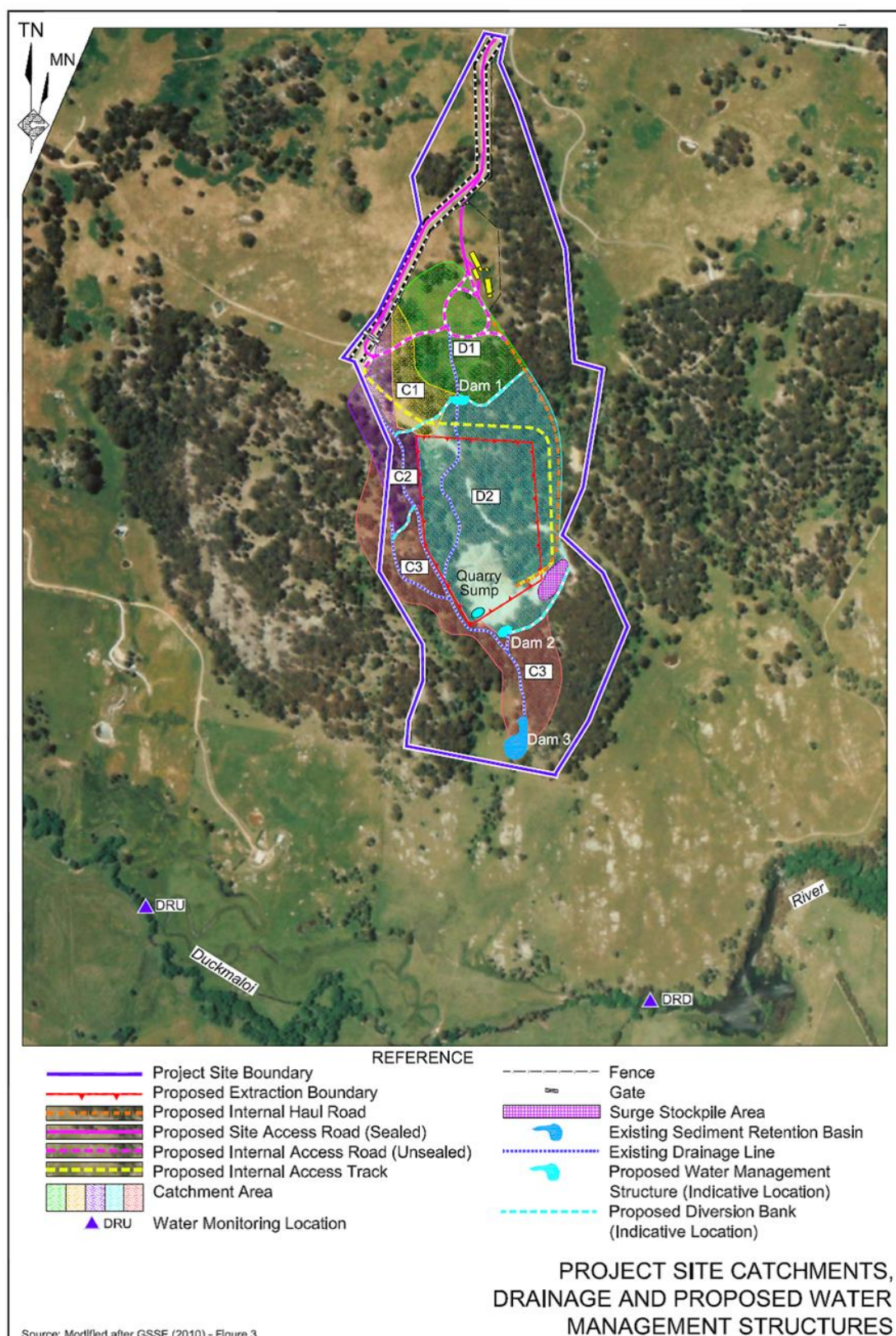
Subject to the conditions of the EPL 201551, the concentrations of any pollutant discharge, is not to exceed the licenced limit and to be monitored monthly during any discharge (refer to monitoring and recording conditions of the EPL).

For the licenced discharge Point 1 – DAM 3, the water concentration limits apply (condition L.2.4 of EPL20551):

Pollutant	Units of Measure	100 percentile concentration limit
Oil and Grease	Milligrams per litre	10
pH	pH	6.5-8.5
TSS	Milligrams per litre	50

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**Figure 4: Project Site Catchments, Drainage and Proposed Water Management Structures**

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### 3.2 **Dust Management**

To assist in the management of dust and to minimise the risk of dust impacts on people, MSC have implemented a Air Quality Management Plan (AQMP). The AQMP has been prepared to manage operational impacts associated with air quality for the Oberon White Granite Quarry. The AQMP provides provision for the reduction of visible dust, as well as safe level of both dust and particulate matter. Controls are in place as pre-emptive actions, such as:

#### **Design Controls**

- The mobile crushing plant would be located within the extraction area which provides topographical shielding from the effects of winds.

#### **Planning Controls**

- A water truck would be used to wet the active internal unsealed roads when trucks are planned to travel on those roads. For those days when watering of unsealed roads is required, watering would occur with an application rate of approximately 2L/m<sup>2</sup> per application. The water truck would be filled from either the quarry sump or Dam 2.
- Whenever possible, soil stripping will be undertaken at a time when there is sufficient soil moisture to prevent raising excessive dust.
- Progressive rehabilitation.

#### **Operational Controls**

- Operational controls are to be responsive to visible dust occurrences.
- In the event of adverse meteorological conditions MSC will relocate, modify and/or stop extraction operations and/or haulage to minimise the short term air quality impacts.
- The drop heights between front-end loader buckets and trucks carrying raw materials, products or soil would be minimised through operator training and education on the management of dust.
- Haul road drivers would ensure adherence to the speed limit of 30km/h to minimize dust disturbance.
- Blasting to take place in accordance with the Blast Management Plan, with consideration to prevailing wind conditions and residential receivers.
- Minimize double handling of material.
- Watering work areas.

#### **Engineering Controls**

- The drill rig used for drilling and blasting would utilize water injection or alternatively, be fitted with dust collectors.

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- Dust suppression sprays would be fitted to the crushing plant.

The safeguards and management procedures would be reviewed annually and any required changes to the dust management strategies would be adopted. (For complete management measures refer to the AQMP).

### **3.3 Hydrocarbon Management**

With reference to the provisions of the Water Management Plan (WMP), the storage of all chemicals and/or petroleum products on site is to be in accordance with Australian Standard AS1940-2004, *The Storage and Handling of Flammable and Combustible Liquids*. Storage areas will be appropriately signed, and store fuels/oils in appropriately bunded areas with impervious flooring and of sufficient capacity to contain 110% of the largest container stored within the bund.

There are spill kits installed at the site that are available to be used to respond to a pollution incident. These spill kits are strategically located near the hydrocarbon storage areas and are to be maintained and contain the following items:

- 2 bags of absorbent material;
- 100 absorbent pads; and
- 2 absorbent booms.

The Quarry Production Manager is responsible to coordinate clean up if there is a hydrocarbon spill. MSC would call for assistance from a waste contractor to dispose of any waste generated.

MDL have an induction process for employees and contractors and as part of this process hydrocarbon management and the response to spills is discussed.

### **3.4 Databases to be Maintained by MSC**

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

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

An inventory of potential pollutants is provided as **Appendix A**.

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## 4 SAFETY EQUIPMENT

During the operation of the project, MSC will endeavour to implement best management practice to comply with statutory requirements. Employees are required to adhere to the Health and Safety Management Plan and have an obligation to use personal protective equipment where provided.

### Chemical use and storage

- A MSDS shall be kept for each hazardous chemical known to be present in the workplace. A copy of all MSDS shall be located in Mudgee Stone Company Pty. Ltd's office.
- Spill containment kits are located near use and storage areas.

### Signs and Barricades

- Mudgee Stone Company Pty Ltd shall provide and maintain clearly visible signs, signals and barricades at all times where a hazard exists.
- Emergency equipment, exit signs or alarm systems will be inspected, tested and maintained at regular intervals.

### Personal Protective Equipment

Mudgee Stone Company Pty Ltd shall provide employees with personal protective clothing and equipment to suit the particular work activities in accordance with statutory requirements and nominated safety procedures. Including:

- Safety helmets,
- Approved safety glasses/goggles,
- Safety footwear,
- Protective gloves shall be worn to protect employees' hands from injury and specifically when handling:
  - Any materials where the hands may be subject to abrasive action,
  - Acids, chemicals or hazardous liquids or substances.
- Ear muffs, ear plugs or other hearing protection supplied
- Safety harnesses and lanyards supplied
- Respirators suitable for the particular hazard (not likely at MSC – Oberon).

### First Aid

Mudgee Stone Company Pty Ltd shall ensure that first-aid kits are located throughout the nominated work sites.

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Fire Fighting

Fire-fighting equipment shall be placed throughout the nominated work site, in all light vehicles and mobile equipment. Employees should familiarise themselves with the location of all fire-fighting equipment in their work area before commencing work. MSC will ensure all personnel know the location, identification and how to use all fire extinguishers, hose reels and fire assembly points in the nominated work area.

Communication Equipment

Radio's (UHF) shall be used for safety at all times and at blind corners, when passing etc.

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## 5 CONTACT DETAILS

In accordance with the adopted Management plans, an Emergency Response Team is maintained and trained to coordinate, respond to emergency situations, accidents and undertake rescues as required. Preparedness for emergencies by staff, personnel, contractors and services providers will be undertaken in accordance with the training requirements whereby personnel will be appropriately trained in the use of emergency response equipment and procedures, and will be made aware of their responsibilities should such an event occur. These procedures will be reinforced during toolbox meetings.

The people listed in **Table 1** below are authorised to manage the response to any incident. The particulars are 24 hour contact details.

**Table 1: Contact Details for People Responsible for Incident Management at MSC**

Position	Person	Phone Number
General Manager/Director	Robert Murdoch	0438 722 389
Production Manager	Bruce Marshall	0428 300 890
Admin Office (Mudgee	Michelle Beach	02 6373 3939

Every person is responsible for reporting accidents and near miss incidents, without delay after the occurrence. Incidents are to be reported immediately as found verbally to management. As soon as practicable the Accident/Incident Report and Investigation Form, will be completed. Other hazard reporting tools/forms include the 'Safety meeting/Toolbox talk', the 'Regular Workplace Inspections' and 'Safe Work Method Statements'. External reporting will be required in accordance with the Project Approval if an incident has caused or threatens to cause material harm to the environment. An overview of incident response communication is provided in the flow chart below in **Figure 5**.

Within 6 days of notifying the Department and other relevant agencies of such an incident, MSC will provide the DoP and other relevant agencies with a written report that:

- Describes the date, time, and nature of the exceedance/incident;
- Identifies the cause (or likely cause) of the exceedance/incident;
- Describes what action has been taken to date; and

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- Describes the proposed measures to address the exceedance/incident.

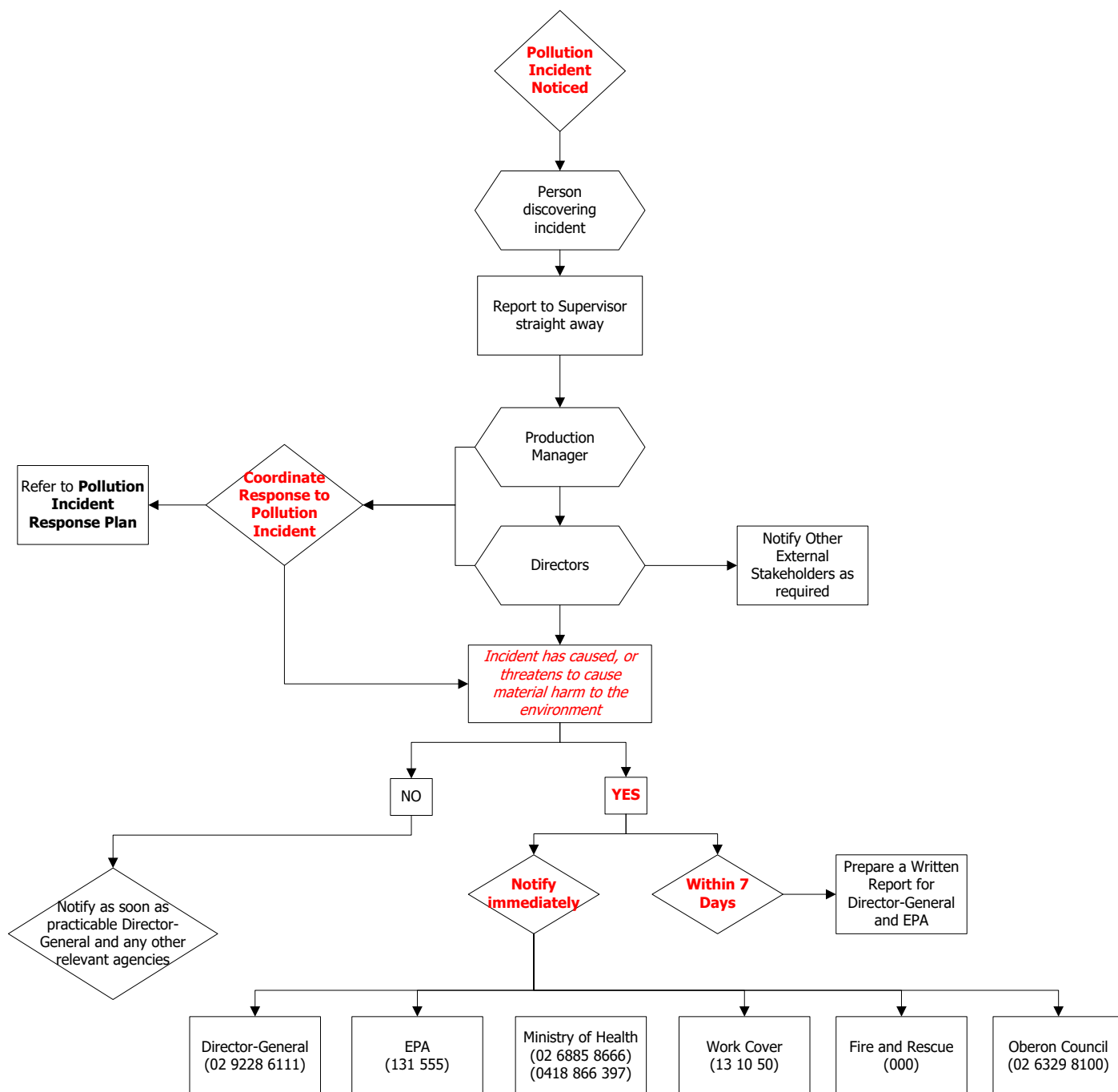
In accordance with requirements of Part 5.7 of the POEO Act, the licensee or its employees must notify the EPA of incidents causing or threatening material harm to the environment as soon as practicable after the person becomes aware of the incident. Notifications must be made by telephoning the Environment Line service on 131 555. The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

**Table 2: Contact Details for Authorities**

<b>Name</b>	<b>Contact Details</b>
NSW Department of Planning Industry and Environment	1300 305 695
Environment Protection Authority	131 555
WorkCover NSW	13 10 50
NSW Health via local Public Health Unit	Phone: (02) 6885 8666 (Dubbo Base Hospital) ask for Public Health Officer on call, if no answer: Mob: 0418 866 397 ask for Public Health Officer on call.
Fire and Rescue NSW	000
Oberon Council	Phone: (02) 6329 8100 Email: council@oberon.nsw.gov.au

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**Figure 5: Incident Response Communication Protocol**

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## 6 COMMUNICATION WITH STAKEHOLDERS AND COMMUNITY

External communication includes communication between MSC and a range of stakeholders including the community, government agencies and businesses. Communications with the community will be based on a risk based **approach identifying those that may be affected by the pollution incident**. External communication will be carried out in accordance with procedures detailed in the EMStrat.

External reports are generally statutory and voluntary reports for communicating to government agencies or other external stakeholders. For water and hydrocarbon related pollution incidents the closest private water user downstream of the operations will be notified by telephone of the incident by the Quarry Manager. Notification of landowners will occur in accordance with Major Project 07\_0122 -Schedule 4 Condition 2 in the event of exceedances of noise and air quality criteria.

No sensitive premises are located in close proximity that requires special notification procedures (such as schools and hospitals). Contact details for private stakeholders are maintained on site and not listed due to privacy.

Methods of communication with external stakeholders will facilitate both incoming information (changes in legislation, policy, community complaints, and enquiries) and outgoing information (updates on quarry progress, formal reporting and environmental monitoring). MSC will maintain open external communication channels throughout the life of the project. Stakeholder communication will be the responsibility of the Production Manager in consultation with the General Manager &/or Directors and will occur via:

- Mudgee Stone Company Pty Ltd Oberon White Granite Quarry Website ([mudgeedolomitelime.com.au](http://mudgeedolomitelime.com.au));
- Oberon White Granite Quarry Community Consultative Committee (CCC);
- Regulatory engagement and statutory reporting with the relevant government departments;
- Complaint response and resolution;
- Publicly advertised telephone line, available 24 hours per day, seven days per week for the recording of complaints or enquiries; and
- Individual meetings with stakeholders as required.

With reference to Project Approval 07-0122 Condition 13, MSC will communicate proposed blasting schedule via:

- Post updated information on the proposed blasting schedule on the web site;
- Utilise a changeable signage on the haul access road to advertise the next scheduled blast date; and
- A telephone network for registered stakeholders to be notified prior to blasting incidents.

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## 7 ACTIONS SURROUNDING AN INCIDENT

### 7.1 During an Incident

This plan will be activated when:

- A MSC employee witnesses a pollution incident or potential pollution incident and advises their immediate supervisor; or
- A phone call from an external party provides verbal evidence that a pollution incident or potential pollution incident may have occurred at MSC.

The process outlined in **Figure 5** will be followed to respond to a pollution incident. Trained personnel will respond to the incident in accordance with the Health and Safety Management Plan and relevant Management Plan.

### 7.2 Following an Incident

Following a pollution incident at MSC the following actions will occur:

- Notification of relevant authorities;
- Debriefing with personnel directly involved in the pollution incident within 24 hours of the cessation of the pollution incident;
- Internal analysis of the pollution incident;
- Submission of a report to EPA on the pollution incident outlining the following;
  - Date, time and nature of the pollution incident;
  - Identifying the cause (or likely cause) of the pollution incident;
  - Describing what action has been taken to date; and
  - Describing proposed measure to address the pollution incident.
- Participate in any external investigation of the pollution incident;
- Review the PIRMP for effectiveness; and
- Communicate any changes to the PIRMP.

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## 8 COMPLAINTS RESPONSE

An incident may be identified through a complaints process. 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:

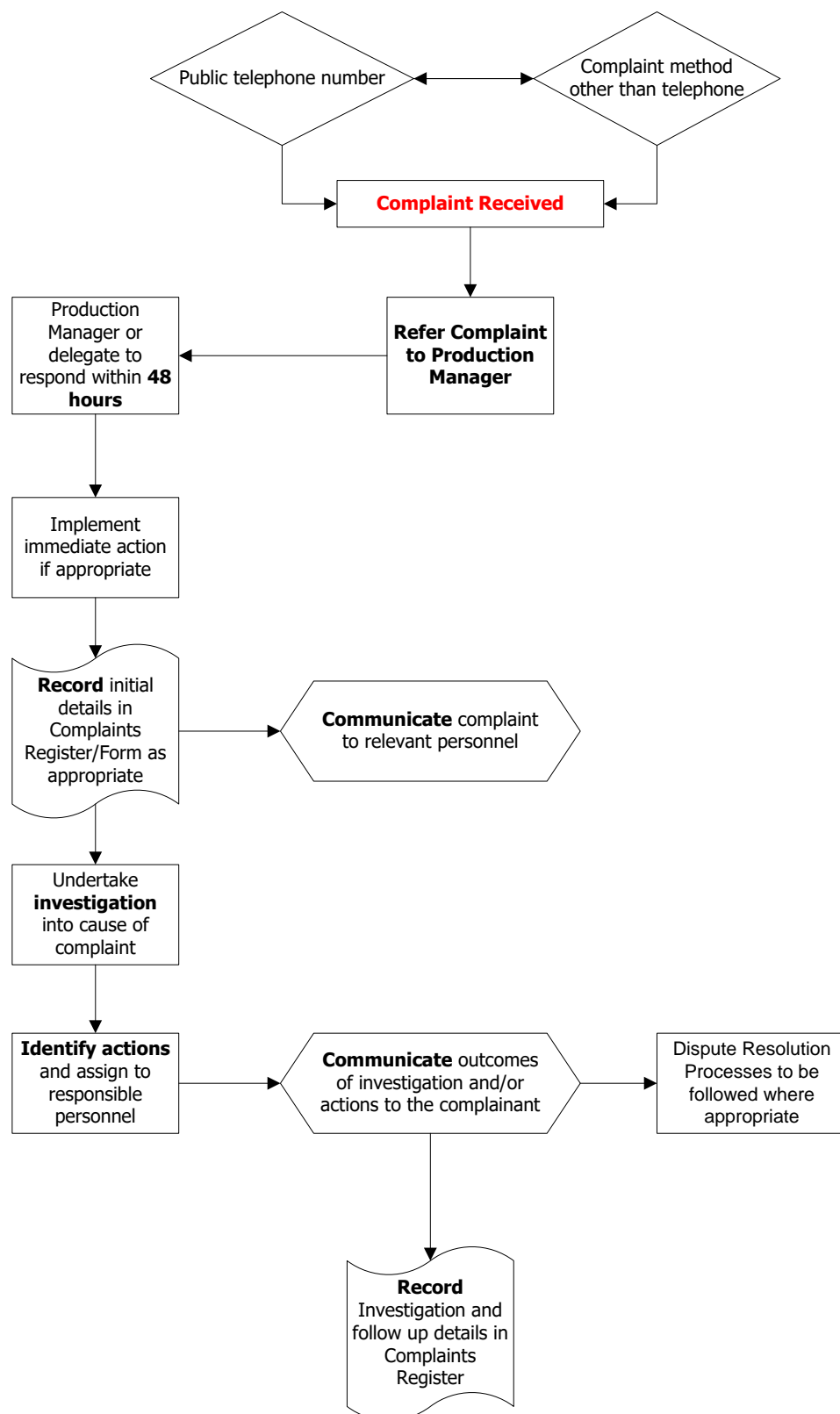
- The nature of the complaint;
- Method of the complaint;
- Monitoring results, meteorological data, at the time of the complaint;
- Site investigation outcomes;
- Site activity and activity changes; and
- Any necessary actions assigned.

Mudgee Stone has a phone number advertised in the local media, displayed at the site entry and available at [mudgeedolomiteline.com.au](http://mudgeedolomiteline.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 6**.

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 6: Community Complaints Response Process**

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## 9 TRAINING AND TESTING

The following actions will be taken to train personnel in responding to pollution incidents and to test the effectiveness of the plan:

- Communication will be provided to personnel about the existence of the PIRMP;
  - Toolbox meetings forum will be used to introduce the PIRMP to employees.
  - A copy of the plan will be made available to employees at the MDL office.
  - The PIRMP will be referred to in the MSC site induction as relevant.
- People with responsibilities in the PIRMP will have these responsibilities communicated to them directly;
- MSC ensure that 'on the job training' is provided to relevant staff for all roles.
- An emergency scenario that addresses one of the identified pollution incidents will be undertaken on an annual basis.

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## 10 NONCOMPLIANCE, CORRECTIVE ACTION AND PREVENTATIVE ACTION

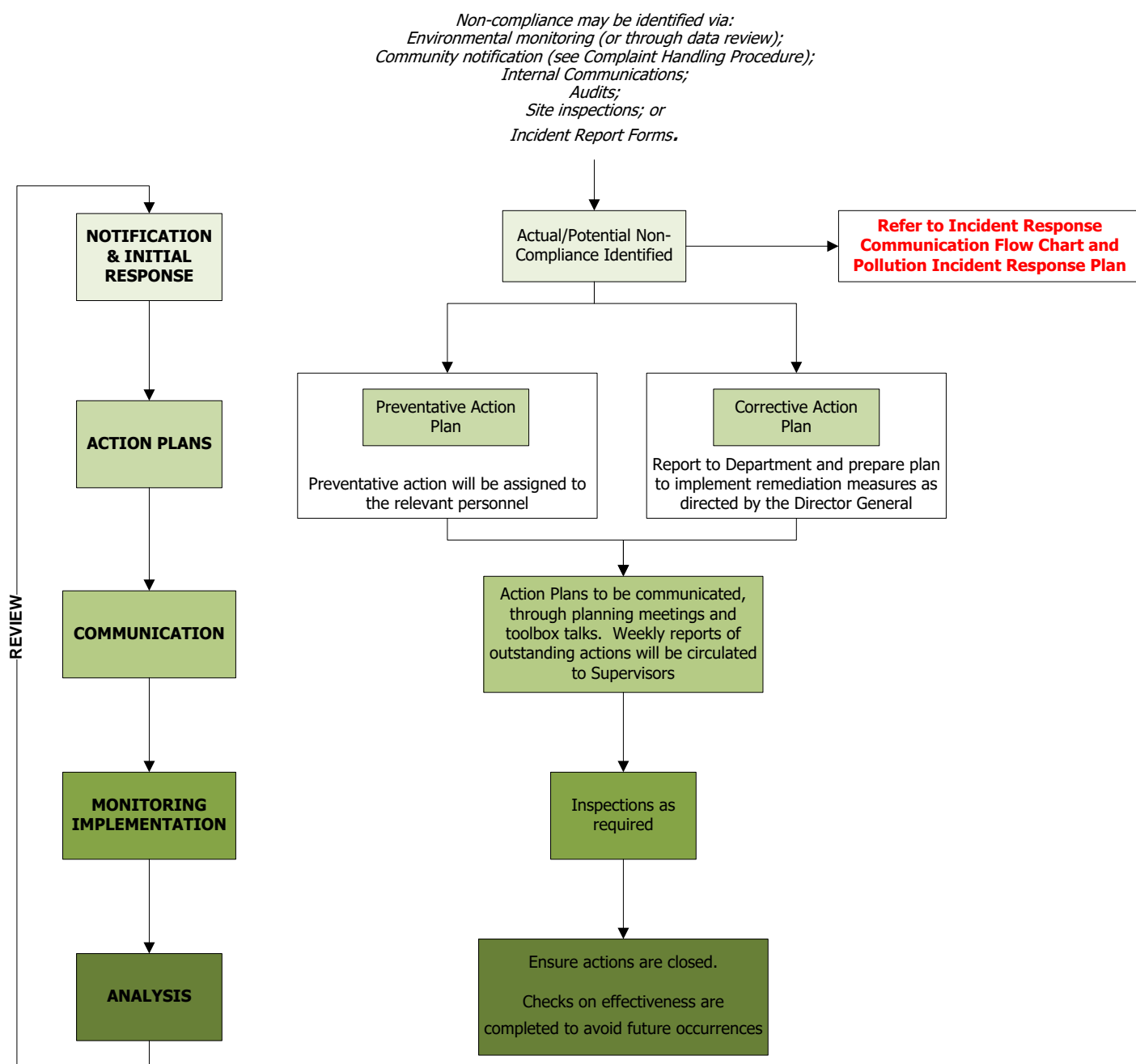
Any actual or potential non-compliance against environmental criteria will be investigated initially by the Production Manager. Environmental incidents will be recorded on the Incident Form. Corrective actions and relevant reporting will be implemented, if necessary, according to the EMStrat and the 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 7** 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 7: Protocol for managing non-compliance with statutory requirements, and exceedances of the assessment criteria and/or performance criteria**

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**11 AVAILABILITY OF PLAN**

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

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

Also, MSC will provide copies on the plan without charge to any person who makes a written request for a copy.

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## 12 REVIEW

MSC will review the PIRMP 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 PIRMP 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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### 13 TABLE OF RESPONSIBILITIES

Position	Task	Timing
Directors	Provide adequate resources to implement the PIRMP.	During budget planning
	Authorised to manage the response to any incident	As required
	Responsible for notifying the Department and other relevant agencies of an incident, and providing the required written report to DoP and other relevant agencies.	As required
Production Manager	Ensure the water management system is effective and undertake inspections.	as per WMP
	The Quarry Production Manager is responsible to coordinate clean up if there is a hydrocarbon spill	When necessary
	Authorised to manage the response to any incident	As required
	Responsible for notifying the Department and other relevant agencies of an incident, and providing the required written report to DoP and other relevant agencies.	As required
	Complete forms and reports including the annual report submitted to the EPA, submissions of incident data	Annually
	Conduct full review of the PIRMP every three years ensuring all, if any, changes are sent to relevant stakeholders/depts.	Times designated
	Respond to complaints in accordance with the adopted process.	As required.
	Communicate with neighbours in accordance with the Project Approval regarding exceedances of noise and air quality criteria.	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 employees	Report and record incidents.	As required.

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# APPENDIX A –

## INVENTORY OF POLLUTANTS

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POTENTIAL POLLUTANT	PARAMETER/DESCRIPTION	RELEVANT LOCATION
Lubricants and Grease	Minor volumes stored on site.	Within a bunded area within the hazardous materials storage area, within the 'infrastructure area'.
Diesel Fuel	Permanent storage to be installed in future as need arises	Infrastructure Area and mobile fuel cart location
'Dirty' water captured is retained and treated to meet the criteria	Total Suspended Solids (TSS) mg/L <50	Dams 1, 2 & 3
	pH 6.5 – 8.5	
	EC µs/cm <1,500	
POTENTIAL WASTES		
Lubricants and waste oil	Up to 5000L of in 205L drums	Within a bunded area within the hazardous materials storage area, within the 'infrastructure area'.
Oil filters	To be placed in Oil Filter Bins for contractor removal.	Within a bunded area within the hazardous materials storage area, within the 'infrastructure area'.
Waste grease and empty oil drums	Stored for contractor removal.	Within a bunded area within the hazardous materials storage area, within the 'infrastructure area'.
Lead Acid Batteries	Stored for contractor removal.	Within a designated area within the hazardous materials storage area, within the 'infrastructure area'.
Engine Coolant (Waste-Contaminated)	To be added to the waste oil drums (see above).	Within a bunded area within the hazardous materials storage area, within the 'infrastructure area'.
Oily rags/oil absorbent material	To be placed in Oily Rag Bin.	Designated hazardous materials storage area
Hydrocarbon contaminated soil from clean-up of minor spill	To be stored in sealed 205L drums in designated bunded area.	Hazardous materials storage area

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Explosives (Emulsion, boosters and detonators)	Delivered on site by contractor for blasting – Qty varying, average 9000kg emulsion	All unused explosives to be removed from site each blast day.
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