

# Graham's Quarry

**POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN  
WOODBURN QUARRY  
November 2020**



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# **1. Purpose and Objectives**

The PIRIMP addresses the requirements of the Protection of the Environment Operations Act 1997 (POEO ACT), specifically Part 5.7A of the Act, and to ensure compliance with in accordance with the Environmental Guidelines: Preparation of pollution incident response management plans (2012).

This plan outlines the classification, testing, reporting and management requirements of an environmental pollution incident.

The objectives of this PRIMP are:

- To ensure that in the event of a significant environmental pollution incident that it is properly and efficiently communicated to all relevant statutory authorities, groups and individuals;
- To prevent, mitigate and effect controls covering any environmental incident, and
- To ensure the plan is maintained, tested and communicated to all Grahams Quarry employees, contractors and sub-contractors.

# **2. Location and Approved activities**

## Address

Woodburn Quarry, Brickella Road, Woodburn NSW

Lot on Plans Lot 133 on DP755624 and Lot 11 on DP791853

Note – extraction is to occur only within Lot 133 on DP755624

## Environment Protection Licence

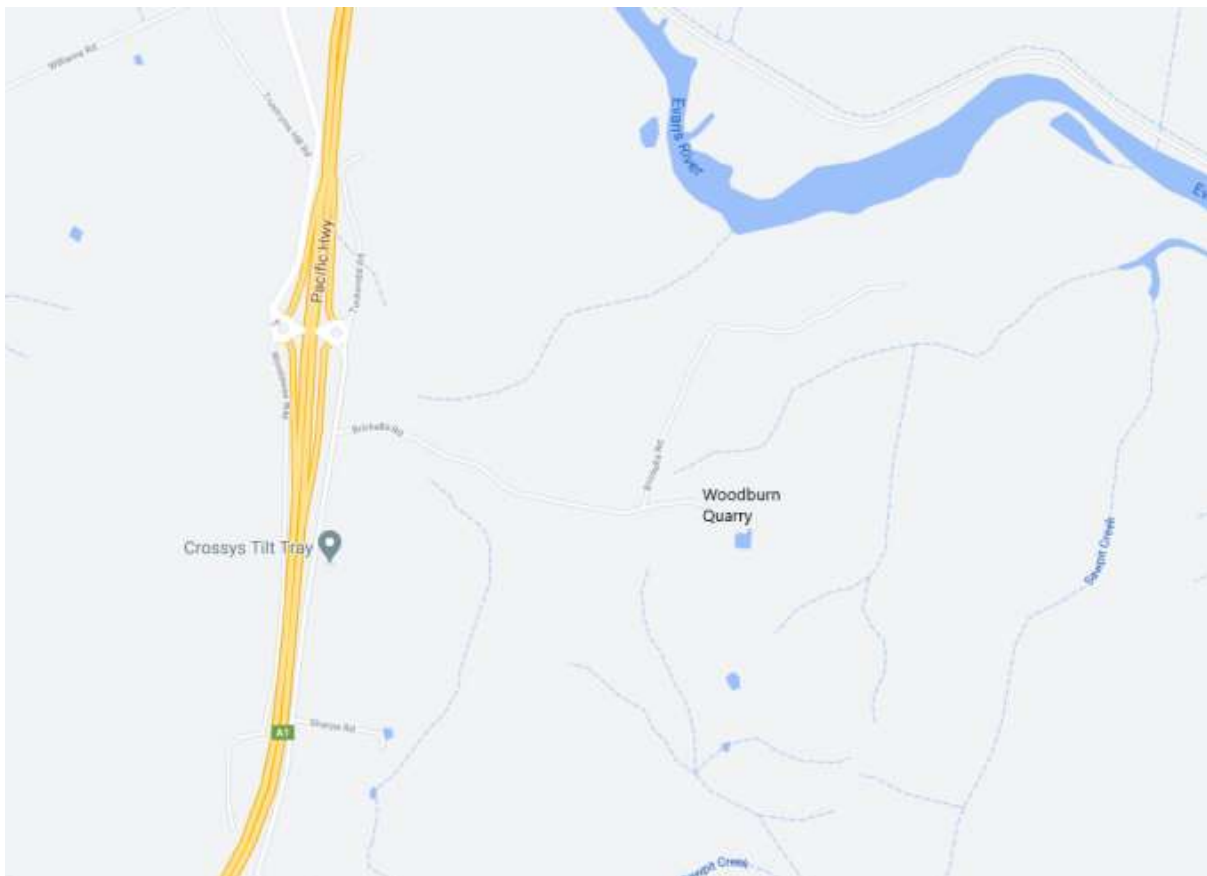
Licence Number: 20718

Anniversary Date: 17 February

## Approved Activities

Crushing, grinding or separating >500,000 to 2,000,000 tonnes processed Land-based extractive activity >500,000 to 2,000,000 tonnes, extracted processed and stored.

## Site Location Map



## Woodburn Site Map



## 3. Legislative Requirements

The specific requirements for PIRMPs are set out in Part 5.7A of the POEO Act and the Protection of the Environment Operations (General) Regulation 2009 (POEO (G) Regulation). In summary, this provision requires the following of Grahams Quarry:

- Prepare a PIRMP (section 153A, POEO Act).
- The PIRMP must include the information detailed in the POEO Act (section 153C) and be in the form required by the POEO(G) Regulation (clause 98B).
- Keep the PIRMP at the premises to which the EPL relates and where the relevant activity takes place (section 153D, POEO Act).
- Must test the PIRMP in accordance with the POEO(G) Regulation (clause 98E). If a pollution incident occurs in the course of an activity so that material harm to the environment is caused or threatened, immediately implement the plan (section 153F, POEO Act).

The plan must include the following information:

- communicating with regulatory and emergency response agencies
- description and likelihood of hazards
- pre-emptive actions to be taken
- inventory of pollutants
- safety equipment
- maps
- communicating with neighbours and the community
- minimising harm to persons on the premises
- actions to be taken during or immediately after a pollution incident
- staff training
- testing requirements

## 4. Description and Likelihood of hazards

Hazard	Likelihood	Pre-Emptive Actions Taken
Fire	Low	<ul style="list-style-type: none"> <li>• Fire extinguishers are provided and staff are trained in their use.</li> <li>• Compliance with the Workplace Health and Safety Management System.</li> <li>• Store flammable and combustible liquids in an undercover area on appropriate drip trays.</li> <li>• Refuelling is undertaken only in designated areas where possible.</li> <li>• SDS are reviewed and available for reference for the correct fire prevention and fighting procedures.</li> <li>• Staff and visitors to Site are informed of the emergency procedures and evacuation points.</li> </ul>
Diesel/Petrol spills	Moderate	<ul style="list-style-type: none"> <li>• SDS are reviewed and available for reference for the correct clean up procedures.</li> </ul>

		<ul style="list-style-type: none"> <li>• Fuel or hazardous material is used for its intended use only (as specified on the Safety Data Sheets (SDS)).</li> <li>• Refuelling will be via mobile equipment.</li> <li>• Observe refuelling to ensure that overfilling does not occur.</li> <li>• Pre-start checks are completed on plant and equipment daily which include inspection for oil leaks.</li> <li>• Good housekeeping and tidy work areas are kept to help prevent accidents and spills.</li> <li>• Compliance with the Workplace Health and Safety Management System.</li> </ul>
Stored Chemicals	Low	<ul style="list-style-type: none"> <li>• All chemicals stored to manufacturer's instructions and approved containers.</li> <li>• Fuel or hazardous material is used for its intended use only (as specified on the SDS).</li> <li>• Compliance with the Workplace Health and Safety Management System.</li> <li>• Good housekeeping and tidy work areas are kept to help prevent accidents and spills.</li> <li>• SDSs are reviewed and available for reference for the correct handling and clean up procedures.</li> </ul>



Dust	Low	<ul style="list-style-type: none"> <li>• Roads are kept in a damp state with the use of a water truck.</li> <li>• All loads are covered during transport.</li> <li>• Crushing and screening plant is enclosed with water sprays operating at transfer points.</li> </ul>
Discharge of water	Low	<ul style="list-style-type: none"> <li>• Sediment control measures are implemented and maintained.</li> <li>• Water monitoring is undertaken in accordance with licence conditions.</li> <li>• Settling time is provided for waters within the settlement ponds prior to discharge.</li> </ul>
Noise	Low	<ul style="list-style-type: none"> <li>• Implement all acoustic treatments in accordance with consent condition number 7.</li> <li>• Maintain all vehicles exhaust system as per manufactures standards.</li> <li>• All quarry activities are to occur during approved hours of operation per consent condition number 3.</li> </ul>
General Waste	Low	<ul style="list-style-type: none"> <li>• Waste oil from machinery maintenance is stored correctly and disposed of at an oil recycler.</li> <li>• General waste and recycle bins are provided at the office and lunch room.</li> <li>• General waste is taken to Council landfill as necessary.</li> </ul>

## **5. Pre-Emptive Actions to be taken**

Grahams Quarry Safety Management System outlines all pre-emptive actions.

### **Staff Training**

Staff training will be completed during inductions and toolbox meetings.

### **PIRMP Testing**

The PIRMP will be tested annually.

Grahams Quarry have the following safety equipment/methods to manage a pollution incident:

- Chemical Storage area.
- Safety Data Sheet Register.
- Fire Extinguishers.
- Spill Kit
- Hard Hats.
- Dusk Mast.
- Steel Cap Boots.
- SWMS.
- Safety glasses
- Rigger gloves
- Long sleeves shirts
- Emergency Response Plan

## 6. Inventory of Pollutants

A Hazardous Chemicals and dangerous goods register are kept on site within the SMS Chapter 15.

The current hazards materials are listed below

Chemical Name	Approximate amount (litres unless stated otherwise)	Use
Engine Oil	1000	Machine maintenance
Diesel	2000	Mobile equipment tanks
Transmission oil	1000	Machine Maintenance
Hydraulic Oil	1000	Machine maintenance
Gear oil	40	Machine maintenance
Engine Coolant	40	Machine maintenance
Grease	200kg	Machine maintenance

## 7. Incident Contact Details

Emergency Services	000
Environment Protection Authority	13 15 55
Public Health Unit Lismore	02 6620 7585 After hrs 0417 244 966

Essential Energy	13 20 80
Richmond Valley Council	02 6660 0300
Rodney Graham Director Grahams Quarry	0429 321 982

## **8. Communications with adjoining properties and the community**

### **Communications to Adjoining Landowner Occupiers**

The Quarry manager, owner or delegate shall notify adjoining land owners by telephone in the event of a pollution incident where it is considered there maybe impacts to the health and wellbeing of adjoining landowners or environmental impacts to their land.

### **Communications with the Community**

- Local Newspaper.
- Door knock.
- Letter box drop.

## **9. Minimising harm to persons on the premises**

### **Emergency Management Key Responsibilities (pre-emergency)**

The Quarry Manager or delegate is responsible for:

- The effectiveness and accuracy of the Emergency Plan, procedures and relevant emergency documentation.
- Maintenance of staff training in emergency preparedness, emergency information lists and emergency-related plant and equipment necessary for emergency evacuation compliance.
- Co-ordination of evacuation exercises.

- Post-emergency/exercise review.

## **Emergency Management Procedures**

- The Site has an emergency plan.
- A complete copy of the plan shall be displayed in all the main work areas.
- This plan forms part of the Grahams Quarry Safety Management System.

## **Emergency Controller (during and post-emergency)**

The emergency controller for Grahams Quarry is the Quarry Manager or next senior person on the premise when an incident occurs.

Responsibilities include:

- Immediately responding to any emergency situation.
- Ascertaining the nature of the emergency and determining appropriate actions.
- Ensuring the appropriate emergency services have been notified.
- Co-ordinating the deployment of staff and any internal specialist resources.
- Where safe to do so take steps to contain or control the hazard.
- Ensuring that appropriate senior management are kept updated on the situation.
- Co-ordinating post-incident recovery strategies.

## **Employees and Contractors**

Responsibilities include:

- Attendance of any emergency preparedness training.
- In the event of emergency event, report all emergency incidents to the Quarry Manager
- Follow instructions given in the event of an emergency.

- Co-operate with emergency personnel in the event of an emergency.
- When safe to do so take steps to contain or control the hazard.

### **Emergency Warning and Communications System**

- Radios in all plant, weighbridge and vehicles, mobile phones, verbal.
- Communication with staff.
- In the event of a failure of the radio, landline telephone, emergency warning system and messages may be relayed via mobile phone or runner/driver.

### **Incident and Accident Reporting**

- All injuries shall be reported to the supervisor immediately and recorded on the injury report form as soon as practicable after injury.
- All injuries/Incidents will also be investigated immediately and corrective actions instigated in accordance with Grahams Quarry Safety Management System.

### **Emergency Response and Evacuation Plan**

#### Discovering a Dangerous Situation

- Move persons away from danger if safe to do so.
- Contact relevant emergency services (i.e. Ambulance/Fire/Police).
- Announce evacuation if dangerous situation requires (Radio/Runner).
- Contact the Quarry Manager.

### **Reporting an Emergency Externally**

When reporting an emergency to an external agency, the following information should be included:

- Name of organisation.

- Exact nature of emergency - are there any casualties?
- Exact location (including address and location on site).
- Name of person reporting emergency.
- Contact number (where applicable).

This information is on display in the site office.

External reporting is to be carried out by the Quarry Manager, but, in that person's absence, may be effected by their delegate.

### **Evacuation Alert**

Verbal instructions for evacuation are effected by calling out "emergency, emergency, emergency" over the radio system or verbal directive issued by the appropriate personnel from the Quarry Manager will constitute the evacuation signal.

### **Assembly Areas**

In the event of an evacuation, persons should assemble at the nearest safe assembly area as stated in the Quarry Safety Management Plans.

### **First Aid**

If First Aid assistance is required contact the relevant First Aid attendant.

First Aid attendant lists can be found in the Site office.

Any injured people who can be moved safely should be taken to the nearest assembly area (whichever is more appropriate) for treatment. Those people who are trapped or unable to be removed immediately must be protected and given First Aid on the spot (providing it is safe to do so).

## **10. Actions to be taken during or Immediately after Pollution Incident**

### **During a Pollution Incident**

All actions taken during and after a pollution incident will vary depending on the nature of the pollutants and severity of the incident.

Any action taken shall be in accordance with any Workplace Health and Safety requirements.

Detailed records/evidence collection shall be carried out, provided it is safe to do so and with approval of the person in control of the Site. Evidence may include photographs or samples taken and written notes.

Follow all directives given by the Emergency Controller.  
Follow only safe work practices.

### **Emergency Termination**

Only the Emergency Controller may deem the emergency terminated. This action shall take place once all emergency services have concluded their involvement.

Only the Emergency Controller may deem the Site safe to enter.

### **Incident Reporting**

Reporting of the incident to the EPA shall follow the requirements as set out in the EPL, as follows:

- For recording of Pollution Complaints refer to Condition M6.
- For notification of Environmental Harm refer to Condition R2.



- For preparing a written report to EPA, refer to condition R3.