

GLEN INNES SEVERN COUNCIL



Pollution Incident Response Management Plan

for Wattle Vale Quarry - 1323 Gwydir
Highway – Glen Innes

Glen Innes Severn Council
265 Grey Street
GLEN INNES NSW 2370

Printed copies of this document are uncontrolled

Reference Number: GISC: Wattle Vale Quarry: PIRMP	Version Number: 1 Date: 30/07/2020	Review Date: 29/07/2021	Responsible Officer: Mark Gallagher Quarry Manager
---	---------------------------------------	----------------------------	--

About this release

Title: Pollution Incident Response Management Plan


Author: Pramod Lamsal

Review By: Mark Gallagher

Issue	Date	Revision Description	Approved by
Draft	30/07/2020	New plan for compliance with POEO Act 1997	Mark Gallagher

Management Review

This Plan will be reviewed in accordance with Section 98(c)

Planned Review Date	Scope	Review By	Review Record Ref no. Date
29/07/2021		Mark Gallagher Quarry Manager	Signed  Date 03-08-2020

Endorsement of PIRMP


Director Infrastructure Services

30/7/2020

Date

Reference Number: GISC: Wattle Vale Quarry: PIRMP	Version Number: 1 Date: 30/07/2020	Review Date: 29/07/2021	Responsible Officer: Mark Gallagher Quarry Manager
---	---------------------------------------	----------------------------	--

Pollution Incident Response Management Plan

1 Purpose, Scope & Objectives

This Pollution Incident Response Management Plan (PIRMP) has been developed to describe Glen Innes Severn Council's response to a potential pollution incident and to meet the requirements in accordance with section 153A of the Protection of the Environment Operations Act (POEO Act 1997) and complies with Part 5.7A of the POEO Act in relation to the activity to which the licence relates.

The PIRMP covers the facility with an Environment Protection Licence (20891) controlled by Glen Innes Severn Council and situated at Wattle Vale (South) Quarry, Gwydir Highway, Glen Innes.

The plan covers description of potential hazards, actions to be taken to prevent additional environmental harm and details of communication required in the event of an incident. The plan is based on a thorough risk assessment for the site. This PIRMP must be followed by employees, contractors and visitors of Wattle Vale (South) Quarry, to assist in the early response to, and reporting of, a pollution incident. The objectives of the plan are to

- maintain a high level of preparedness
- to respond quickly and efficiently to limit the impacts of an emergency
- to manage an emergency until the emergency services arrive and take control
- to support emergency services with information, knowledge, skills and equipment
- to protect emergency responders, personnel and the community from harm
- to ensure the correct regulatory notification and other requirements are satisfactorily completed in the event of potential or actual environmental harm

2 Project Site (Facility) Specific Information

The overall project site sits on undulating pastureland on the edge of the Waterloo Range, a low lying north-south belt of hills to the west of Glen Innes town. The site is fully owned by Glen Innes Severn Council, has access from the Gwydir Highway and is located within Lot 113 of DP 753319 and is approximately six hectares in total area.

The closest residence lies approximately 1.2Km to the east of the site. The nearest population centre is Glen Innes which is around 13km to the east. A small hamlet lies 1.3km to the north on Malboona Road along with some individual farm properties in the vicinity to the quarry site. While the quarry remains approved, there have been no quarrying activities in the last two years. To mitigate the possible environmental

Reference Number: GISC: Wattle Vale Quarry: PIRMP	Version Number: 1 Date: 30/07/2020	Review Date: 29/07/2021	Responsible Officer: Mark Gallagher Quarry Manager
---	---------------------------------------	----------------------------	--

effects from the quarry activities, 16 hectares of environmental offset area has been established to the east of quarry site.

An unnamed tributary of Blackplain Creek runs through the site. Blackplain Creek is a tributary of the Wellingrove Creek that flows into Severn River. There are also number of small farm dams located throughout the site.

Some details on potential hazard to human and environmental health associated with particular emergency conditions is given in the sub-section 3.2 below.

3 Process

In the event of a pollution incident:

- Step 1: Emergency Response: Ensure personnel are safe.
- Step 2: Emergency Response: Contain the incident where possible.
- Step 3: Notify the Site Manager or Production Co-ordinator
- Step 4: The Site Manager or Production Co-ordinator to complete the notification required in section 2.6.2 if the pollution incident meets the definition in section 2.1.

3.1 Definition of Pollution Incident

A pollution incident means an incident or a 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 POEO Act 1997 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
 - (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.

3.2. Description and Likelihood of hazards

Potential pollution incidents identified include:

Air Pollution Incident: Escape of significant dust or smoke to atmosphere from either accidental or onsite bush fire. This could impact visual amenity of the area

Reference Number: GISC: Wattle Vale Quarry: PIRMP	Version Number: 1 Date: 30/07/2020	Review Date: 29/07/2021	Responsible Officer: Mark Gallagher Quarry Manager
---	---------------------------------------	----------------------------	--

as well as fauna species especially bird's habitat. Toxic smoke inhalation could have adverse health effects on workers, staff and highway motorists.

Water Pollution Incident: Escape of significant sediment, leachate or fuel off site to a water course. Fuel could reach ground the water aquifer, and a nearby creek is equally susceptible for pollution affecting aquatic life.

Land Pollution Incident: Escape of significant sediment or fuel off site to land.

The licenced site covered by this plan has been assessed in an individual risk assessment. The controlled nature and permitted operation under the licence at the site, storage of waste product, gravel, mulch etc might pose a low risk when operation recommence.

3.3. Pre-emptive actions to be taken

For air pollution due to fire, the primary risk mitigation is to retain a fire break of bared earth around any flammable equipment or materials at the site. Machinery is to be equipped with fire extinguishers in accordance with the NSW Mines Safety Act provisions.

Dust and sediment runoff are obvious risks in a quarry site and are managed in accordance with relevant EPA licence conditions.

Due consideration given to maintain the noise level while operating the quarry. Operation will occur only during daylight hours from 7am-5pm on weekdays and 8am-4pm on Saturday so as to have minimum disturbance to nearby locality.

All stormwater runoff within the site will be directed through the sediment control pond before discharging towards nearby creeks. Vegetative ground cover with local indigenous species is maintained wherever possible to offset runoff and assist in percolation underneath. Ground water monitoring points exist on the site which will be used in regular monitoring of ground water level and quality.

All fuelling of plant and equipment is carried out on site in accordance with generally accepted procedures. All fuel stored on site will be kept in bunded areas or stored in self bunded containers.

3.4. Inventory of Pollutants

The project site has been non-operational for the last two years, and no pollutants exist on site. The site is free of any hazardous materials such as diesel, oil, or LPG etc.

Items of a domestic nature or in domestic packaging have been excluded from this list.

Reference Number: GISC: Wattle Vale Quarry: PIRMP	Version Number: 1 Date: 30/07/2020	Review Date: 29/07/2021	Responsible Officer: Mark Gallagher Quarry Manager
---	---------------------------------------	----------------------------	--

3.5. Safety Equipment

All the essential safety equipment such as spill kit, fire extinguishers will be supplied when the quarry site is in the operational stage. Plant and equipment will be used to create bunding in the event of significant fuel spill using raw materials available on site.

3.6 Contact Details

Title	Name	Contact Number
Director of Infrastructure	Keith Appleby	02 6730 2407 0408 144 254
Quarry Manager	Mark Gallagher	02 6732 1484 0418 612 494
Production Co-ordinator	Glenn Lee	02 6732 1484 0400 174 340
Council Incident Line	Varies	02 6730 2300

3.6.1. Notification of External Parties

The following table outlines the contact details and correct sequence for notification in the event of a notifiable pollution incident. The Quarry Manager will, after notifying the Director of Infrastructure of the incident carries out the notifications required by the table below.

Emergency Services (If dealing with an emergency)	Police Fire Ambulance	000
EPA	Environment Line	131555
Ministry of Health	Public Health – Tamworth	(02) 6764-8000
SafeWork NSW		131050
Glen Innes Severn Council	Administration Desk	(02) 6730-2300
Fire & Rescue NSW and/or Rural Fire Service as applicable	(To be notified of an incident that is not an emergency)	000
Mines Inspector – Angus McDouall		(02) 6738-8500

3.7. Communicating with neighbours and local community

The site will have no direct contact with the general public. However, every effort will be geared towards maintaining timely communication to make them well informed of any incident. In the event of a notifiable incident, neighbouring properties will be phoned to be advised of the situation. Blasting is a common operation carried out in the quarry for extraction of materials.

When a blast is planned, the Director of Infrastructure will be advised. The media officer will also be advised so that a notice can be placed in the Council section of the local newspaper advising of an impending blast and approximate date.

On the day of the blast, warning advices will be issued by the local commercial radio stations and on community radio. When the approximate time of the blast is known, neighbouring properties will be advised by telephone of the approximate time of the blast.

3.8. Minimising harm to persons on the premises

Please refer to the emergency response plan for the site contained in the Mine Safety Management Plan. At all-time minimising harm to persons shall be a priority.

3.9. Training, Testing and Review

The objective of this PIRMP is to provide a description of the hazards and operations associated with the Environmental Protection Licence on site and the procedures and actions in place to mitigate any pollution event that may arise for them. Therefore, it is a working document that is designed to ensure any changes that could affect pollution incidents are timely captured. Council will review the document in the following context:

- Annually from the date of the first version of the document
- If there is any significant change in process or operation on the site
- If any change in the legislation or the requirements of the Environmental Protection Licence
- Where the testing of the plan reveals a failure or inefficiency
- Within 30 days of a pollution incident on site

Testing of the plan will be carried out at the time of review or whenever required during its operation. Furthermore, regular discussion on the plan will be carried out during toolbox meetings.

All staff and contractors at the quarry site will be provided with training to ensure they can safely clean up and dispose of any pollutants such as chemical spills that may occur. Induction training will equip staff on how to report any hazardous situation and fill up incident report and investigation form. Refresher training will be in place annually to ensure staff continue to observe safe work practices. All the training records will be maintained in the Councils data management system. Quarry Manager will conduct a training needs analysis on an annual basis to determine training requirements and will be discussed with the Director of Infrastructure Services.

The following information should be taken in the event of a pollution incident at quarry site.

- The nature of the incident
- Time and date of the incident
- Location of incident
- Number of persons involved (if any)
- Description of injuries (if any)
- Name and contact details of the person in charge at the incident site
- Potential hazard
- Dangerous goods

A copy of this plan will be uploaded to the Council website and kept within the site folder.

Site map



Fig.1 Site location

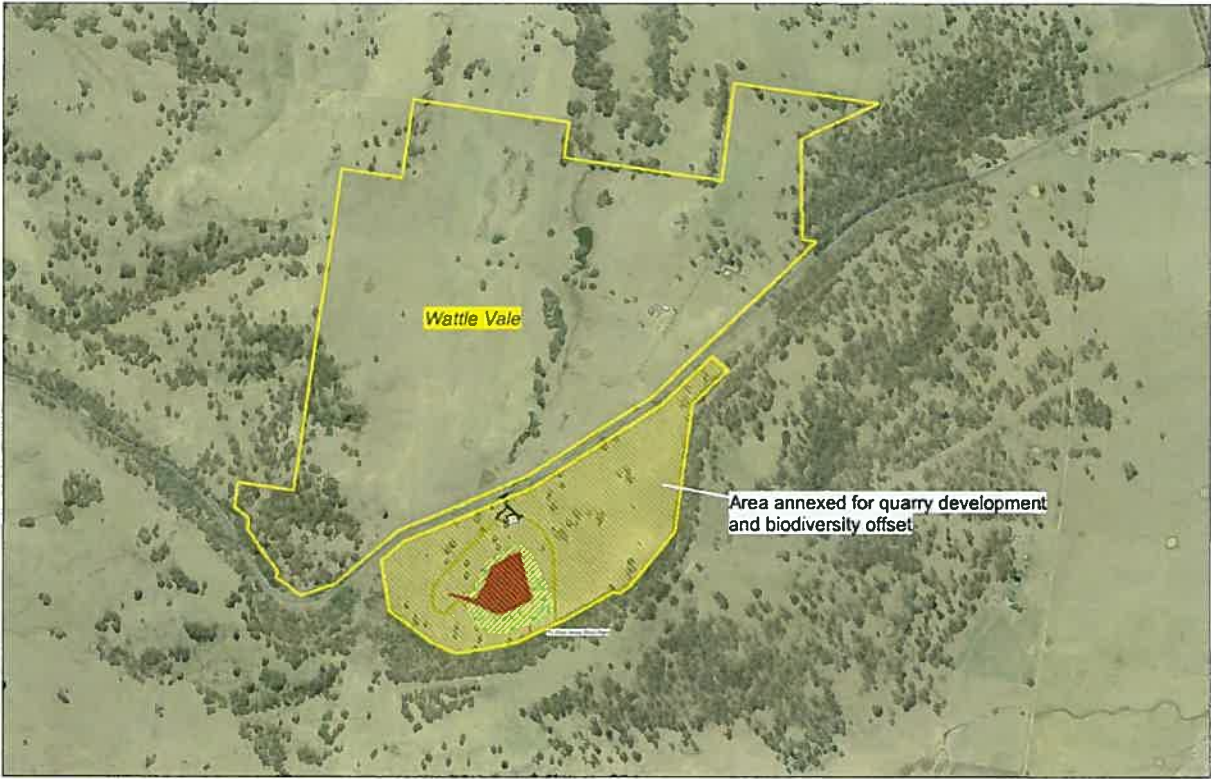


Fig.2 Detailed site location.