

# Pollution Incident Response Management Plan



## Clarence Quarry

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# 1. INTRODUCTION

Hanson Construction Materials Pty Ltd (Hanson) holds the Environment Protection Licence Number 1852 for the Clarence Quarry. The quarry is situated approximately two kilometres east of Clarence within the Greater Lithgow City Council area.

Kable's Quarry started out as a family owned business run by the Kable brothers in 1991. The brothers then sold the business to Pioneer in 2001. In 2005 Hanson purchased Pioneer and continues to extract from the site. In 2020 a new washplant was commissioned for site sand processing requirements.

## 1.1. Purpose and Scope

The *Protection of Environment Operations Act 1997* (POEO Act) requires holders of an Environmental Protection Licence (EPL) to prepare, keep, test and implement a PIRMP.

The objectives of this plan are to:

- Address the relevant statutory requirements, including approval conditions, legislation and policy.
- Outline protocols for the comprehensive and timely communication about a pollution incident.
- Identify potential pollution incident risks and outlines actions to minimise and manage those risks.
- Outline protocols for the implementation of the plan and associated staff training.
- Detail the monitoring, reporting and reviewing requirements of the plan to ensure it is regularly tested for accuracy, currency and suitability.
- Establish responsibilities and accountabilities of the plan.

This PIRMP should be read in conjunction with other relevant management plans for the site.

*The notification of environmental incidents under this PIRMP is only required for those incidents causing or threatening to result in material environmental harm (a material harm incident) as defined by the POEO Act (see **Sections 4.1** and **4.2**).*

## 2. STATUTORY REQUIREMENTS

Hanson Construction Materials’ statutory obligations regarding this plan and material harm incident reporting are contained in the relevant licences and permits and other legislation and guidelines. These are described further below.

### 2.1. Protection of the Environment Operations Act 1997

Section 5.7A of the POEO Act and the *Protection of the Environment Operations (General) Regulation 2009* (POEO(G) Regulation) outlines the specific requirements for inclusion in a PIRMP.

**Table 2-1** lists the information required in a PIRMP as per Section 153C of the POEO Act and details where this information is presented in this PIRMP.

**Table 2-1: PIRMP information requirement (POEO Act).**

Information Required	Section
a) The procedures to be followed by the holder of the relevant environment protection license, or the occupier of the relevant premises, in notifying a pollution incident to:	5
(i) the owners or occupiers of premises in the vicinity of the premises to which the environment protection license or the direction under section 153B relates, and	5.1.3
(ii) the local authority for the area in which the premises to which the environment protection license or the direction under section 153B relates are located and any area affected, or potentially affected, by the pollution, and	5.1.3
(iii) any persons or authorities required to be notified by Part 5.7,	5.1
b) A detailed description of the action to be taken, immediately after a pollution incident, by the holder of the relevant environment protection license, or the occupier of the relevant premises, to reduce or control any pollution,	5.1
c) The procedures to be followed for coordinating, with the authorities or persons that have been notified, any action taken in combating the pollution caused by the incident and, in particular, the persons through whom all communications are to be made,	5.1
d) Any other matter required by the regulations.	Table 2-2

**Table 2-2** lists the information required in a PIRMP as per Section 98C of the POEO(G) Regulation and details where this information is presented in this PIRMP.

**Table 2-2: PIRMP information requirement (POEO (General) Regulation).**

Information Required	Section
a) A description of the hazards to human health or the environment associated with the activity to which the license relates (the relevant activity).	3.2, Appendix A
b) The likelihood of any such hazards occurring, including details of any conditions or events that could, or would, increase that likelihood.	3.2, Appendix A
c) Details of the pre-emptive action to be taken to minimize or prevent any risk of harm to human health or the environment arising out of the relevant activity.	3.3, Appendix A
d) An inventory of potential pollutants on the premises or used in carrying out the relevant activity.	3.4
e) The maximum quantity of any pollutant that is likely to be stored or held at locations (including underground tanks) at or on the premises to which the license relates.	3.4
f) A description of the safety equipment or other devices that are used to minimize the risks to human health or the environment and to contain or control a pollution incident.	3.5, Appendix A

### 3. SITE DETAILS

#### 3.1. Overview

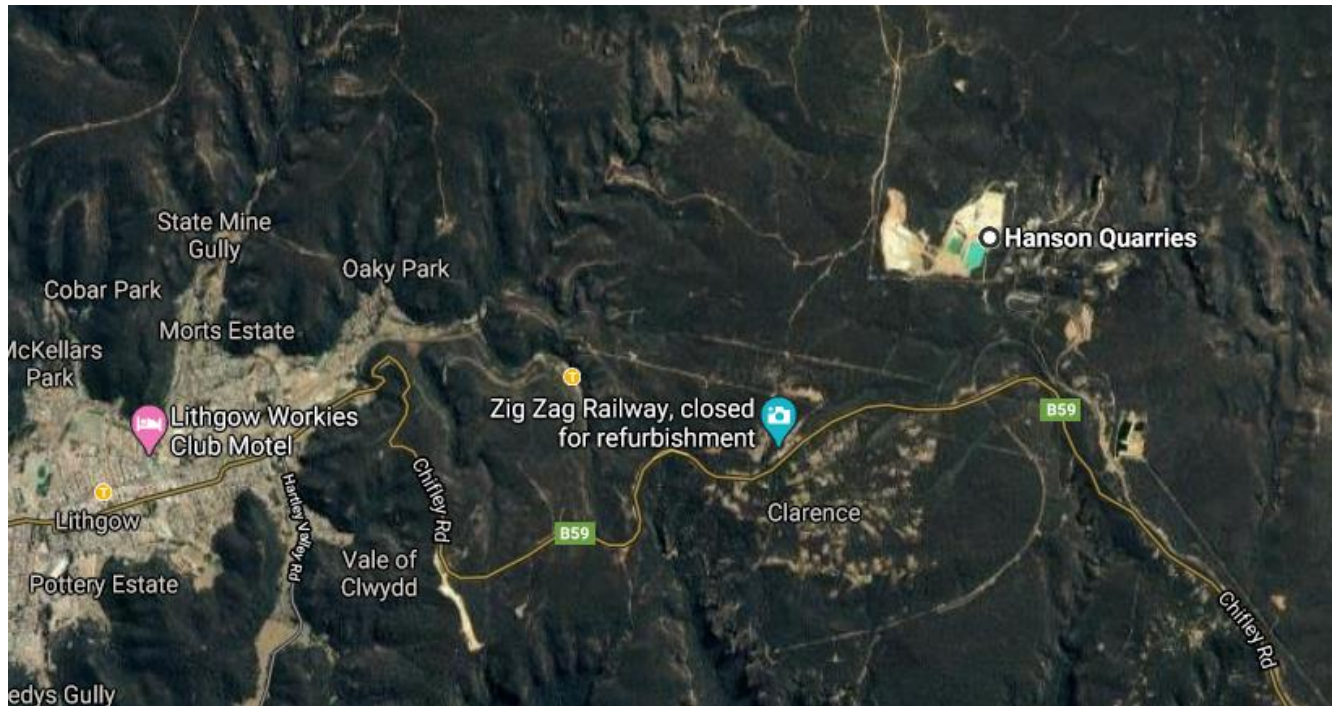
The Clarence Quarry site is situated approximately two kilometres east of Clarence in the Greater Lithgow City Council area.

Extractive operations at the quarry have been carried out since 1996 and continue to present day. Production is expected to continue into the future with this quarry.

The site consists of a operational quarry (operational areas at present time are F1, F3, E3, and E4), cleared yard areas, a Workshop, storage container, as well as a weighbridge office. Chemicals and hazardous materials required to operate are stored on site.

The quarry has 2 dams filled with water. Access to the water is via a decline ramp which enters the quarry from behind the workshop.

**Figure 3-1** shows the location of the site.



**Figure 3-1: Clarence Quarry site location.**

### 3.2. Major hazards

The following potential hazards to human health and the environment may occur from incidents on the site such as:

- Bushfire.
- Leak/spillage of contaminated stormwater.
- Excessive/harmful air emissions (dust, smoke, etc.).
- Spill on site from vehicles/mobile plant.
- Utility/service rupture.

A risk assessment for the major pollution hazards related to the project was completed and is attached in **Appendix A**. The assessment evaluates the consequence, likelihood and risk rating of major pollution incidents occurring.

Possible circumstances or events that could increase the likelihood of major hazards occurring are listed in **Table 3-1**.



**Table 3-1: Major hazards and circumstances that could increase the likelihood of their occurrence.**

Major hazards	Circumstances or events that could increase the likelihood
Fire.	<ul style="list-style-type: none"> <li>• Sparks causing uncontrolled bushfire</li> </ul>
Escape, spillage or leakage of hazardous substances.	<ul style="list-style-type: none"> <li>• Onsite refuelling</li> </ul>
Leak/spillage of contaminated storm water.	<ul style="list-style-type: none"> <li>• Periods of very high rainfall</li> </ul>
Excessive/ harmful air emissions (dust, smoke).	<ul style="list-style-type: none"> <li>• Faulty plant or equipment</li> <li>• Inadequate water suppression</li> <li>• Long periods of drought</li> </ul>
Spill on site from vehicles/mobile plant.	<ul style="list-style-type: none"> <li>• Unsafe driving (e.g. speeding)</li> <li>• Driver(s) affected by alcohol or other drugs</li> <li>• Poor maintenance of mobile plant</li> </ul>
Utility or service rupture	<ul style="list-style-type: none"> <li>• Strike by mechanical means</li> <li>• Inadequate control measures</li> </ul>

### 3.3. Pre-emptive actions to minimise or prevent any risk of harm

**Table 3-2** contains a list of the key pre-emptive actions applied on site to minimise the risk of the potential hazards and incidents.

In addition to the controls listed in Table 3-2 all employees and contractors are to wear appropriate Personal Protective Equipment (PPE) and undergo appropriate safety and environmental training.

Safety equipment and other devices used to contain or control a pollution incident are included in **Section 3.5** and **Appendix A**.

**Table 3-2: Pre-emptive actions applied on site to minimise the risk of potential hazards.**

Hazard	Pre-emptive Action
Bushfire	<p>Fire warnings will be adhered to and risk assessments done prior to undertaking any activity that is likely to cause sparks.</p> <p>All flammable chemicals stored correctly onsite.</p> <p>Gates are locked and site fenced to prevent unauthorised entry to site.</p>
Leak/spillage of contaminated stormwater.	<p>The majority of stormwater on the premises will divert into the quarry pits.</p> <p>Periodic inspections and maintenance of environmental controls.</p> <p>Contaminants stored onsite in the correct manner.</p>
Excessive dust/smoke emission	<p>Use of watercart to minimise dust.</p> <p>Correct PPE to be worn by all personnel.</p> <p>All vehicles and mobile plant to be maintained and tagged out if excessive emission is discovered.</p>
Spill on site from visiting vehicles/mobile plant.	<p>Correct operational techniques to be used for all vehicles/mobile plant</p> <p>Emergency services will be contacted as necessary.</p> <p>First Aid kits are available in all mobile plant and light vehicles belonging to site.</p> <p>There is 3 large first aid kits available onsite. These are located at the weighbridge, workshop and lunchroom. There is a stretcher and large portable kit located in the meal room.</p> <p>There are 2 Spill kits available for use onsite these are located near the fuel bowser and in the bottom bay of the workshop.</p>
Utility Rupture	<p>Excavation permits will be utilised as a control in areas where utility strike is possible.</p> <p>Emergency services will be contacted as necessary.</p>



### 3.4. Pollutant inventory

The primary hazardous materials and chemicals (including fuels) used and stored on site include and the maximum quantity to be stored on site are listed in

Table 3-3. Potential pollutants would be stored in a bunded area when not in use within the site area, if required. Safety equipment and material safety data would also be located within the site, should they be required. Digital material safety data will also be accessible to staff with access to electronic devices.

**Table 3-3: Maximum quantity and location of hazardous materials stored onsite.**

Potential Pollutants	Maximum quantity stored onsite (L/Kg)	Storage location
Diesel fuel	30,000 L	Fuel Container / Bowser
Oil and lubricant	2,500 L	Workshop
Grease	250 Kg	Workshop
Hydraulic Oil	1,000 L	Workshop
Flocculant	10,000 Kg	Thickener / Chemical Plant
Admixture	1,000 L	Workshop
Survey and marking paint	250 L	Workshop

### 3.5. Minimising harm to persons on the premises

A **24-hours Emergency Hotline** is shown on signage at the entrance to the Quarry premises. The signage also includes Hanson Construction Materials Pty Ltd contact details.

These numbers may be contacted should there be a safety or environmental incident on the premises:

**Emergency Hotline:** 1800 882 478

**Hanson Construction Materials (Clarence Quarry):** 02 6355 2640

## 4. INCIDENT MANAGEMENT

### 4.1. Pollution incident

A pollution incident is defined in the POEO Act as:

*“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.”*

Potential pollution incidents for the site are described in Section 0.

### 4.2. Material harm

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 as:

*“(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.*

### 4.3. Duty to notify management personnel

Hanson employees and contractors are responsible for **immediately** alerting management personnel (Hanson Management personnel) to all environmental incidents or hazards which may result in an environmental incident, regardless of the nature or scale.

Management personnel notification is the first step of the incident response protocol as described in Figure 5-1.

#### 4.4. Key site contacts

The contact details for key individuals who are responsible for activating this plan, including notifying authorities and managing the response to a pollution incident as provided in **Table 4-1** below.

**Table 4-1: Key site contacts.**

Name	Role	Mobile Number
Shane Pescud	Quarry Manager	0425 290 692
Jone Qereqeretabua	Quarry Supervisor	0409 817 203
Scott Whittaker	Supply Chain Manager - Aggregates	0418 665 353
Alana Houliston	Eastern Region Risk Manager	0429 623 907

- **The Environment Protection Authority (EPA)**                   **13 15 55**
- **The Ministry of Health**   **(02) 9391 9000**
- **SafeWork NSW**   **13 10 50**
- **The Local Authority (Lithgow Council)**                       **(02) 6354 9999**
- **Fire and Rescue (NSW)**   **000**

The ARA for CLARENCE QUARRY is the **EPA**

## 5. INCIDENT RESPONSE PROTOCOL

### 5.1. Response protocol

As discussed in **Section 4.3**, the notification of an environmental incident is the responsibility of all site and contractor personnel. In the event of an incident, the response protocol presented in **Figure 5-1** must be implemented.

#### 5.1.1 Post incident-notification procedures

The following general clean up procedure is to be followed:

- **Assessment** - Assess best clean up procedures for each incident based on the pollutant and site issues.
- **Remedial Action** - Remove contaminated soil, wastewater and used spill equipment to an appropriate place within the licensed premises for licensed waste disposal and/or remediation.

- Ongoing Actions - Following an incident the following must be undertaken:
  - Undertake further monitoring/ testing if required.
  - Complete Hanson Incident Report form (within three days of incident).
  - Organise restocking of spill equipment.
  - Complete reports to Authorities, as necessary.
  - Implement corrective actions to avoid reoccurrence.

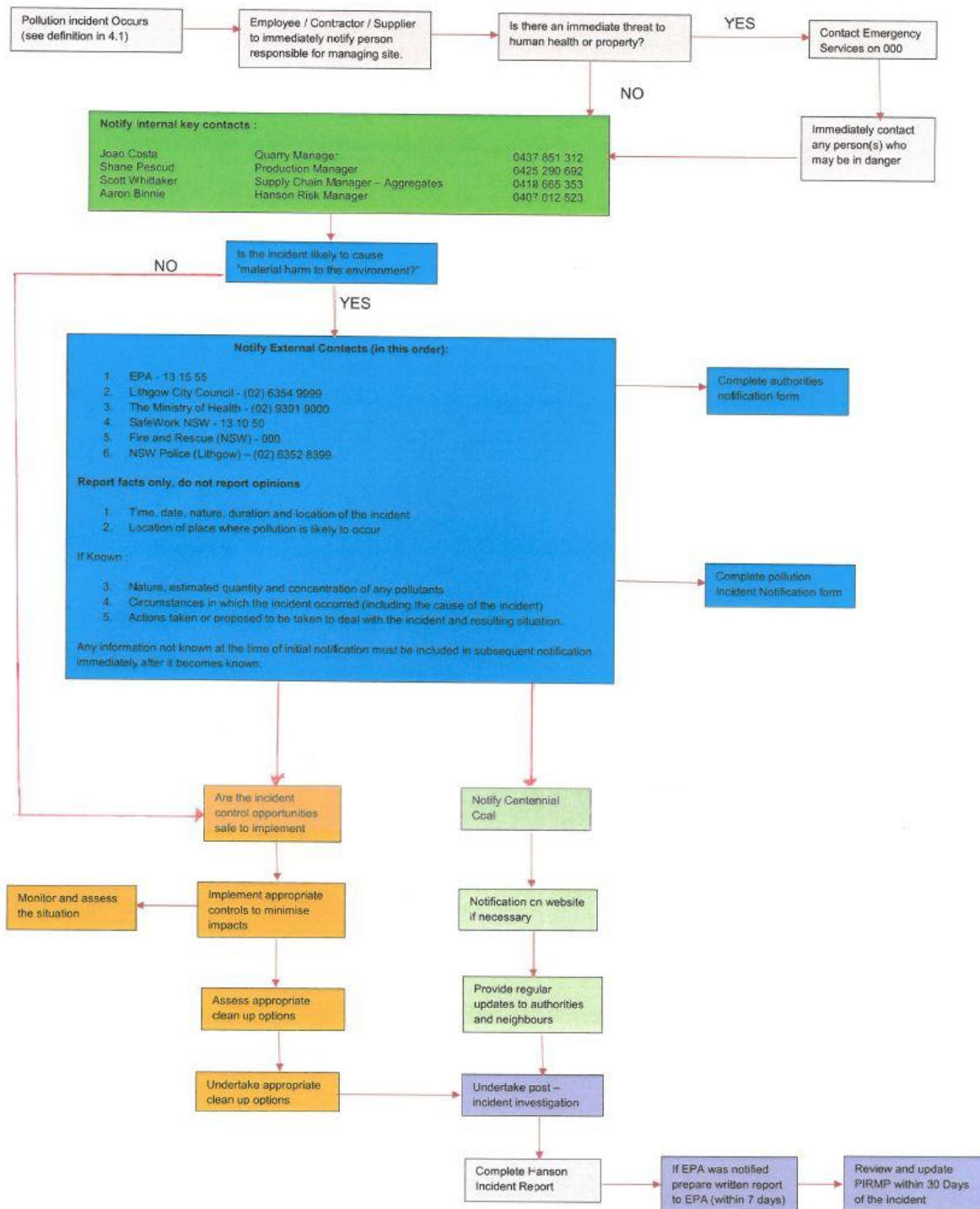
### **5.1.2 Incident reporting to the Environment Protection Authority (EPA)**

Within 7 days from the date on which the incident occurred, a detailed report must be submitted to the EPA including the following information:

- Describe the date, time, nature, duration and location of the incident.
- The location of the place where pollution is occurring or is likely to occur.
- The nature, estimated quantity or volume, and the concentration of any pollutants involved, if known.
- Identify the cause (or likely cause) of the incident.
- Describe what action has been taken to date.
- Describe the proposed measures to address the incident.

If any of the information was not known at the time of initial reporting of the Pollution Incident to any of the Authorities, that information should be notified to the Authorities immediately after it becomes known.

Figure 5-1: Incident Response Protocol.



All communications with any of the Authorities following the incident are to be made through Hanson Construction Materials Pty Ltd management staff. Following the initial notification of the incident, these personnel will ensure that regular contact is made with all Authorities, and persons who have been notified of the incident, in relation to ongoing actions taken to combat the pollution caused by the incident.

In particular these personnel will:

- Liaise with the EPA regarding appropriate actions to be taken to control, manage and mitigate the pollution.
- Work co-operatively with the EPA and any other relevant authorities to clean-up any pollution.
- Notify the community of the results of ongoing monitoring of the pollution.
- Consult any owners or occupiers in the vicinity of the site regarding any off-site actions to be taken which may impact on their properties.

### **5.1.3 Notification of pollution incident to community / local landholders**

Any Pollution Incident causing or threatening material harm to the environment in these areas will be communicated to all people likely to be adversely affected by the incident.

Communication with these people will be made as soon as practicable following a Pollution Incident as well as on an ongoing basis until the incident has been fully controlled and any harm caused as a result of the incident has been rectified.

Hanson Construction Materials Pty Ltd will contact Centennial Coal of any incident. Notifications will also be made, if deemed necessary, on the Hanson website. The method and content of any communication will depend on the Pollution Incident and the actions required to protect human health.

## 6. REPORTING, REVIEW AND TRAINING

### 6.1. Training

All new staff, contractors and visitors to the premise will undergo a site induction. All Hanson employees are also required to complete an online training module on environmental principles as part of the annual Health, Safety and Environment Charter, and operational staff are also required to complete a separate module about spill control. Training programs will ensure all personnel are aware of this PIRMP and the response procedure to a pollution incident.

For staff and contractors who are in contact/work with dangerous goods and/or hazardous materials at the premises, specific safety and environmental training will be provided.

Targeted training exercises will also be undertaken for those employees in regard to the safe and correct use of all spill clean-up equipment or pollution prevention structures on site and the safe handling and legal disposal of contaminated materials and wastes resulting from an incident.

Refresher training on this PIRMP will also be provided to all staff and contractors if there are any amendments, in addition to periodic refresher training on an annual basis.

The site induction register will serve as a register of personnel who have been made aware of this PIRMP and their responsibilities of prevention and notification within this plan.

### 6.2. Testing, review and update

#### 6.2.1 Testing of the plan

It is a legal requirement to test the PIRMP **every 12 months**, and, **within 1 month of any pollution incident**. Testing of the PIRMP will be coordinated by the Hanson site management team to check that the information is accurate and current and that the plan is capable of being implemented in a workable and effective manner.

Two forms of PIRMP testing are used to meet this requirement:

- Desktop simulation – annual desktop simulation completed by a competent person. This test is scheduled in SAP to ensure that it is completed as scheduled.
- Emergency drill – annual mock emergency or emergency drill, involving all workers. The emergency drill typically has both safety and environmental components, although may instead consist of two separate emergency drills to test these components.

Testing will include all components of the plan, including training requirements. The Hanson **Site Emergency Drill Report** is used to record the details of all PIRMP tests, and the completed forms are uploaded to the central records management system, SAP, as an IRIS meeting document. Information to be retained regarding PIRMP testing includes:



- The manner in which the test was undertaken.
- Dates when the plan has been tested.
- The person who carried out the testing.
- Summary of the training exercise.

Records of testing must also be provided in **Appendix C** of this plan.

### 6.2.2 Review of the plan

A review of the PIRMP will occur in the following circumstances:

- Every 12 months. Contact details in this document must be kept current at all times.
- A review of the plan should be conducted if a training exercise proves the plan inadequate or improvements are recommended.
- Following any addition to the project scope (area or activity).
- Within one month of the date of any pollution incident that occurs in the course of an activity to which the EPL relates. This review will be undertaken in light of the incident, to determine if the information included in the plan is accurate and up to date and the plan is still capable of being implemented in a workable and effective manner.

The review of the PIRMP will include the following information:

- Date of the review.
- The name of the person who reviewed the plan.
- A summary of changes made to the plan.

### 6.3. Plan availability

Hanson Construction Materials will make necessary parts of this PIRMP publicly available on their website ([www.hanson.com.au](http://www.hanson.com.au)) with 14 days of the plan being prepared.

On completion of the annual testing and review process (**Section 6.2**), or following a test in response to an incident, Hanson will review and if necessary amend the PIRMP and make the reviewed or amended version available on the Hanson website.

A hard copy of the PIRMP will be available at the Clarence Quarry Weighbridge office, located at Clarence Colliery Road, Clarence, NSW 2790, a soft copy will be provided to all personnel responsible for implementing the PIRMP. The plan is to be provided to all sub-contractors and utilities on site.

The PIRMP will be made available to an EPA Authorised Officer on request.

## 7. ROLES AND RESPONSIBILITIES

Role	Responsibility
<b>Quarry Manager</b>	<ul style="list-style-type: none"> <li>• Provide adequate resources for the implementation of this PIRMP.</li> </ul>
	<ul style="list-style-type: none"> <li>• IMMEDIATELY implement this PIRMP when notified that a Pollution Incident has occurred onsite, including notifications as per Figure 5-1.</li> </ul>
	<ul style="list-style-type: none"> <li>• Provide written Pollution Incident report to EPA within 7 days on an incident occurring.</li> </ul>
	<ul style="list-style-type: none"> <li>• IMMEDIATELY implement this PIRMP when notified that a Pollution Incident has occurred onsite, including notifications as per Figure 5-1.</li> </ul>
<b>Quarry Supervisor</b>	<ul style="list-style-type: none"> <li>• Ensure that all persons working on site have been inducted in the requirements of this plan and procedures.</li> </ul>
	<ul style="list-style-type: none"> <li>• Ensure that sub-contractors and utility service providers on site have copies of the plan.</li> </ul>
	<ul style="list-style-type: none"> <li>• Monitor that works activities are being undertaken in accordance with the pre-emptive measures in this plan.</li> </ul>
	<ul style="list-style-type: none"> <li>• Ensure this PIRMP and contact details are kept up to date.</li> </ul>
	<ul style="list-style-type: none"> <li>• Ensure that all employees and contractors are given adequate training in identifying and responding to Pollution Incidents and ensure they are aware of the penalties for failing to comply.</li> <li>• Undertake quarterly site inspections to assess safety and pollution controls.</li> </ul>
	<ul style="list-style-type: none"> <li>• Review this PIRMP and, when notified that a Pollution Incident has occurred on site, provide any advice and guidance required by site personnel.</li> </ul>
<b>Risk Manager</b>	<ul style="list-style-type: none"> <li>• Ensure current version of this PIRMP is displayed on the website.</li> </ul>
	<ul style="list-style-type: none"> <li>•</li> </ul>

## 8. REVIEWS

Review	By	Date	Position	Changes to PIRMP
1	Joao Costa	16/03/2020	Quarry Manager	Relevant contact details, protocols & procedures included in document
1	G. Cummings / S. Pescud	09/11/2020	Administration Assistant & Quarry Manager	3.3 Hazardous materials onsite & quantity 3.5 Quarry contact number. 4.4 Key site contacts

## 9. REFERENCES

NSW EPA September 2013, *Environment Compliance Report: Requirements for preparing and implementing Pollution Incident Response Management Plans*

NSW EPA May 2019, *Guideline: Pollution Incident Response Management Plans* [draft for public consultation]

*Protection of the Environment Operations Act 1997* (NSW), Part 3A

*Protection of the Environment Operations (General) Regulation 2009* (NSW)

# APPENDIX A – RISK ASSESSMENT

A risk score was assigned to each of the list hazards using the following risk matrix.

## RISK ASSESSMENT MATRIX

		CONSEQUENCE				
		Insignificant	Minor	Moderate	Serious	Major
LIKELIHOOD	Almost Certain	11	16	20	23	25
	Likely	7	12	17	21	24
	Occasional	4	8	13	18	22
	Unlikely	2	5	9	14	19
	Rare	1	3	6	10	15

Consequence Rating	Insignificant	Minor	Moderate	Serious	Major
People	Report only. No injury	FAI	Recordable injury (MTI, RWI, Minor LTI)	Severe lost time injury	Fatality / Multiple Fatalities
Environment	Degradation confined within the work area with impacts readily addressed & reversible detrimental effects	Degradation confined within the work area with impacts readily addressed & reversible detrimental effects and breach of project of site EMP	On-site / Off-Site degradation which has persistent (<3 weeks) but reversible impact. Non-compliance with legal & contractual requirements requiring reporting to authorities	An incident resulting in prosecution under environmental laws	On-Site / Off-site degradation which may have irreversible effects and an accident resulting in prosecution under environmental laws.
Plant / Property	<\$5K	<\$5K - \$20K	<\$20K - \$100K	<\$100K - \$500K	>\$500K
Community	One off compliant / no media attention	Small number of complaints / low cost / local community media attention	Repeated complaints from same area, state / media attention	Community discontent and impact on viability of business / National media attention	Complete loss of trust / social unrest / dissension and likely closure of business / National media attention
Legal Compliance	Minor breach not attracting regulatory body	Issue resulting in notice / fine	Prosecution & penalty or fine	Prosecution suspension of operating licence / criminal conviction	Prosecution / loss of operating licence or closure of operations / imprisonment
Quality	Rework costs less than \$5K	Rework costs between \$5K and \$10K	Rework costs between \$10K and \$50K	Rework costs between \$50K and \$100K	Rework costs greater than \$100K

LIKELIHOOD	DESCRIPTION	EXAMPLE
Almost Certain	Is expected to occur in most circumstances / common or repeating occurrence	Multiple occurrences within a month
Likely	Will occur in most circumstances	Multiple occurrences within a year
Occasional	Could occur infrequently	1 to 10 year event
Unlikely	May occur / improbable	10 to 100 year event
Rare	Only in exceptional circumstances, practically impossible	100+ year event

RISK SCORE	RISK LEVEL	REQUIRED LEVEL OF ACTION AND TIME FRAME FOR ACTIONS
1-6	Low Risk	Check current controls for adequacy and communicate hazards identified and their controls to the work group. No further actions / controls necessary (possibly consider new controls).
7-15	Moderate Risk	Some action required. Action may be administrative and / or PPE if higher levels of controls are not practicable
16-19	High Risk	Immediate action required above Admin and PPE to control the hazard where possible. Look for longer term solutions to reduce risk on an ongoing basis
20-25	Extreme Risk	Activity must not commence / activity must stop immediately until actions have been implemented so far as to control the hazards to an acceptable level (below 20).

Hazard	Consequence	Risk Rating	Mitigation measures	Residual Risk	
<b>Bushfire</b>	Potential to start bushfire	13	Moderate	<p>Fire warnings will be adhered to and risk assessments and permits done prior to undertaking any activity that is likely to cause sparks.</p> <p>All flammable chemicals stored correctly onsite.</p> <p>Gates are locked and site fenced to prevent unauthorised entry to site.</p>	4 LOW
<b>Leak/spillage of contaminated stormwater.</b>	Contamination of soil or water/waterways	13	Moderate	<p>The majority of stormwater on the premises will divert into the quarry pit.</p> <p>Periodic inspections and maintenance of environmental controls.</p> <p>Contaminants stored onsite in the correct manner.</p> <p>Spill kits onsite and on regular maintenance plan</p> <p>Testing done prior to discharge</p>	5 Low
<b>Excessive dust/smoke emission</b>	Community Complaint	7	Low	<p>Use watercart to minimise dust.</p> <p>Correct PPE to be worn by all personnel for specific tasks.</p> <p>All vehicles and mobile plant to be maintained and tagged out if excessive emissions are discovered.</p>	2 Low
<b>Spill on site from vehicles, fuel pod and mobile plant</b>	Contamination of soil or water/waterways	5	Low	<p>Correct operational techniques to be used for all vehicles / mobile plant.</p> <p>Emergency services will be contacted as necessary</p> <p>First Aid kits will be kept in each vehicle.</p> <p>Spill kits located on site</p> <p>All operators trained in how to contain and clean up spill</p>	5 Low
<b>Utility Rupture</b>	Escape of waste water	1	Low	<p>Excavation permits will be utilised as a control in areas where utility strike is possible.</p> <p>Emergency services will be contacted as necessary</p> <p>Float switch to be installed on septic (due 01/04/2021)</p>	1 Low

Underground services	Rupture of services	25	High	Risk Assessment for task to be completed before starting. Permits to be obtained before starting Map in process of being made (due 01/04/2021)	6	Low
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## APPENDIX B – PIRMP REVIEW 2020

Date of the review: 16 March 2020

The name of the person who reviewed the plan: Joao Costa, Quarry Manager

A summary of changes made to the plan:

A full review of the PIRMP has been conducted, and relevant contact details and Hanson protocols and procedures included.

## APPENDIX C – PIRMP TEST 2020

The risk of an environmental incident at the Clarence Quarry is deemed to be low risk.

As a test for the PIRMP the 24 Hour Emergency Hotline (1800 882 478) has been tested and is active. The number was tested on 16<sup>th</sup> March 2020 at 10:54am by Joao Costa, Quarry Manager.

A desktop review of the PIRMP was conducted and appropriate changes were made to the plan.

An annual emergency drill was performed on the 2<sup>nd</sup> June 2020 and incorporated the PIRMP.