



POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

for

BLACK HILL QUARRY

This Pollution Incident Response Management Plan has been prepared for

Black Hill Quarry
Black Hill Road, Black Hill

Prepared by:

WOODBURY CIVIL

And



CONTACT INFORMATION AND VERSION

This Pollution Incident Response Management Plan for the Black Hill Quarry has been prepared for the Quarry operator, Woodbury Civil Pty Ltd.



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Version History

Rev	Description	Originator	Reviewed	Approved	Date
B	Draft for review	J Berry	16-12-2016	Mark Woodbury	16/12/2016

1 INTRODUCTION

Woodbury Civil Pty Ltd (WC) is committed to the prevention, in so far as is reasonably practicable, of harm to the natural environment and the local community through the identification and control of environmental hazards. In the course of operations, incidents and other events may occur that require a response in order to either prevent the incident from reoccurring or to minimise negative and/ or maximise positive impacts of the incident. This Pollution Incident Response Management Plan (PIRMP) provides information and procedures to guide the response to managing a pollution incident, including reporting to authorities and the community, adjoining Black Hill Quarry.

1.1 Background

To satisfy statutory obligations under the *NSW Protection of the Environment Operations Act 1997* (POEO Act) Part 7.5A, and associated *Protection of the Environment Legislation Amendment Act 2011* (POELA Act) for licensed premises, WHE has in place this document. It is designed to ensure the effective response to pollution incidents, including:

- Comprehensive and timely communication to staff at the premises, the Environmental Protection Authority (EPA), other relevant authorities as specified in the Protection of the Environment Operations Act, and people outside the facility who may be affected by the impact of the pollution incident.
- Risk minimisation and control of a pollution incident at the premises by identifying risks, and the development of planned actions to minimise and manage those risks.
- Proper implementation by trained staff, and regular testing for accuracy, currency and suitability.

1.2 Scope

This PIRMP is specific to Woodbury Civil Pty Ltd.'s Black Hill Quarry. This plan applies to all activities, products and services on the site over which WHE has operational control.

2 LEGISLATIVE REQUIREMENTS

Specific legislative requirements for the development and implementation of this PIRMP are provided in the following:

- Part 5.7A of the Protection of the Environment Operations Act 1997 (POEO Act);
- Part 5.7A of the Protection of the Environment Legislation Amendment Act 2011 (POELA Act);
- The Protection of the Environment Operations (General) Amendment (Pollution Incident Response Management Plans) Regulation 2012; and
- Environment Protection License (EPL) 1978.

3 NOTIFICATION OF A POLLUTION INCIDENT

A pollution incident is required to be *immediately* notified if there is a risk of 'material harm to the environment', defined in section 147 of the 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*

- (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 practical measures to prevent, mitigate or make good harm to the environment.*

These provisions will ensure that pollution incidents are reported directly to the relevant response agencies so they will have direct access to the information they need to manage and deal with the incident.

4 CONTACT DETAILS OF THE RELEVANT AUTHORITIES TO BE NOTIFIED

In accordance with Part 5.7 of the *Protection of Environment Operations Act 1997* (POEO Act) the following notification will occur when material harm (as defined by Section 147 of the POEO Act) to the environment is caused or threatened. The order of notification is as follows:

- Call **000** if the incident presents an immediate threat to human health or property. Fire and Rescue NSW, the NSW Police, and the NSW Ambulance Service are the first responders, as they are responsible for controlling and containing incidents.
- Notification of Woodbury Civil Pty Ltd Office on **4930 3026**.
- If the incident does not require an initial combat agency or following the call to 000 the following notification must be undertaken in the following order:
- Cessnock City Council on **(02) 4993 4100**, or After Hours Emergency on **4940 7816**;
- The Division of Resources and Energy (DRE) on **1300 736 122**;
- The Environment Protection Authority (EPA) – Newcastle (Environment Protection and Regulation; Country, Culture and Heritage) Office on **4908 6800** or the Environment Line **131 555**;
- NSW Ministry of Health (Newcastle Office – which diverts to John Hunter Hospital) on **02 4924 6477** (ask for Public Health Officer on call);
- NSW WorkCover Authority on **131 050**; and
- Fire and Rescue NSW – **000** (if not contacted already).

Complying with these notification requirements does not remove the need to comply with any other obligations for incident notification, for example, those that apply under other environment protection legislation or legislation administered by NSW WorkCover.

4.1 Relevant Information to be Given When Notifying the Incident

According to section 150 of the POEO Act (1997) when notifying the incident to the regulatory authorities the following information has to be provided:

- a) Time, date, nature, duration and location of the incident;*
- b) Location of the place where pollution is occurring or is likely to occur;*
- c) The nature, the estimated quantity or volume and the concentration of any pollutants involved, if known;*
- d) The circumstances in which the incident occurred (including the cause of the incident if known);*
- e) Action taken or proposed to be taken to deal with the incident any resulting pollution or threatened pollution, if known; and*
- f) When the information relating to items c), d) or e) is not known at the time of verbal notification, this information must be provided once it becomes available.*

4.2 Communicating with neighbours and the local community

Communicating with neighbours and the local community is an important element in managing the response to any incident, and shall be undertaken if offsite environmental impacts and/or human health is threatened, under the determination of Site Manager. Woodbury Civil will formally contact properties in close proximity to the Quarry’s boundary (please refer to **Figure 1** & corresponding **Table 1** below), with priority and consideration given to notifying any sensitive premises in close proximity, such as Black Hill school. Information provided to the community will be relevant to the incident and may include the following details:

- Type of incident that has occurred;
- Potential impacts local landholders and the community;
- Site contact details; and
- Advice or recommendations based on the incident type and scale.

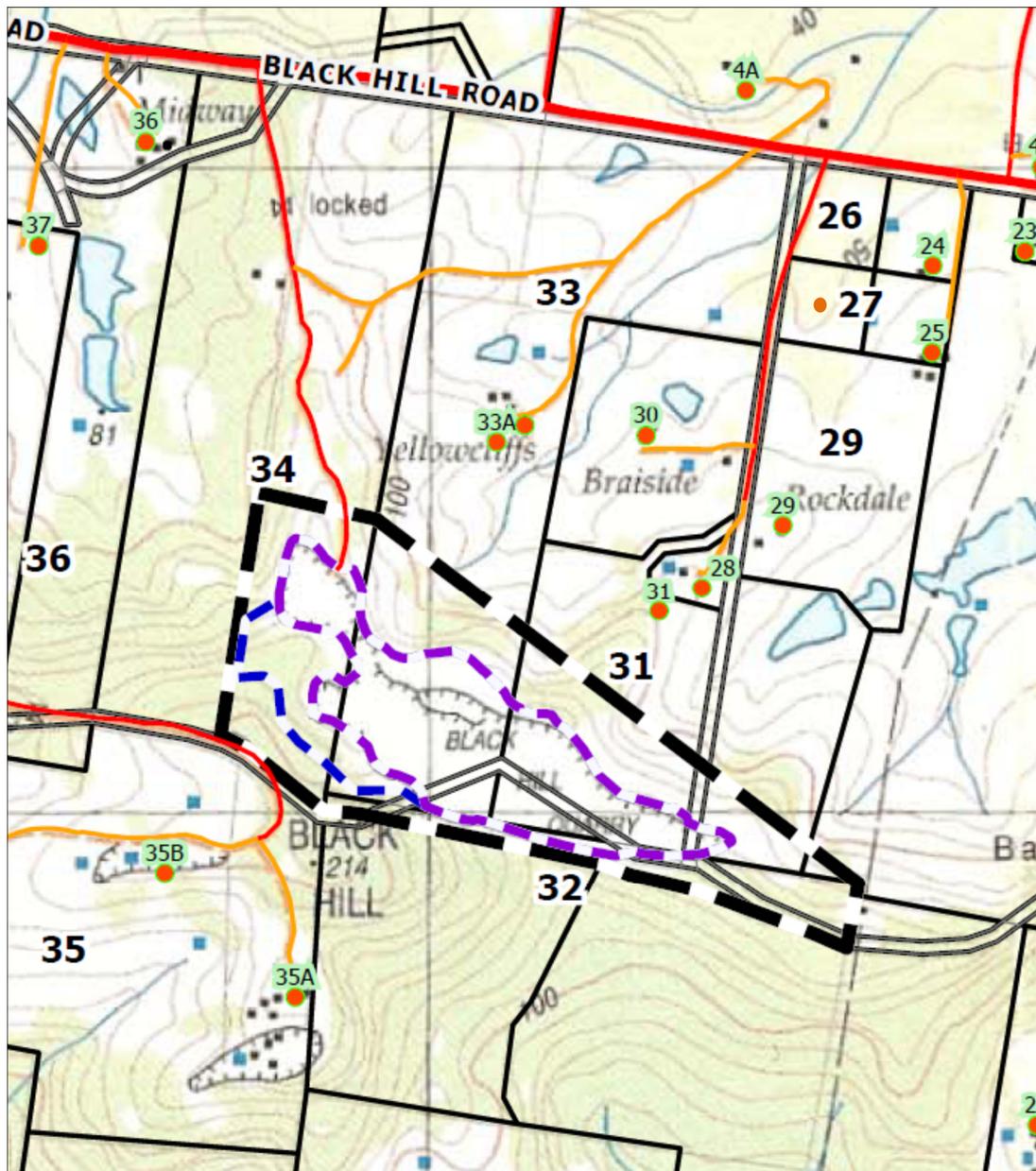


Figure 1: Adjacent Land Ownership Map

Table 1: Neighbouring Land Owner Contact Details

Property Location	Property Type	Name	
408 Black Hill Road, Black Hill	School	Black Hill Public School	
26 & 27	Dwelling	Brad Sparkes & Jillian Coulton	
30	Dwelling	Steve Fraser	
31	Dwelling	Bronwyn Jean Beavan Janine Louise Tyler	
32	Dwelling	Anthony Glen & Rosalie Seton	
33	Dwelling	David Allan	
34	No Dwelling	Anthony Glen & Rosalie Seton	
35	Dwelling	Christopher & Catherine Anne Hayes – (Rented by Jonathan Finch)	

5 DESCRIPTION AND LIKELIHOOD OF HAZARDS

Main hazards to human health or the environment that are potentially material and associated with the activity being undertaken at the premises, the likelihood of any such hazards occurring, and pre-emptive actions to minimise or prevent risk of harm to human health or the environment and the response actions arising from activities undertaken at the premises are identified and summarised in **Table 2**.

Table 2: Potential hazards with their associated likelihood, pre-emptive and response actions.

Potential Hazard	Likelihood	Pre-emptive Actions	Response Action
<p>Hydrocarbon Spill <i>(Service Truck/ Delivery to site):</i> A significant release of hydrocarbons is possible from a vehicle accident involving a diesel delivery truck or a field service truck.</p>	Low	Maintenance of spill kits at workshop and portable spill kits kept on service trucks / delivery trucks.	<p>Report incident (as detailed in sections 8, 9 and 10 of the PIRMP)..</p> <p>Contain released hydrocarbons with spill containment booms, mats, etc, or cutting a sump/ pushing up bunding.</p> <p>Where possible, prevent hydrocarbons entering drainage lines or from leaving site. Recover liquid waste (vacuum truck to be hired via waste contractors) and ensure disposal via licenced waste contractor.</p> <p><input type="checkbox"/> Implement soil and water sampling program to delineate hydrocarbon impacted area. Recover all hydrocarbon impacted material and dispose of accordingly.</p>

Potential Hazard	Likelihood	Pre-emptive Actions	Response Action
<p>Blasting (Noise, Vibration, Dust, NOx)</p> <p>Blasting, while only occasionally used can result in excessive offsite overpressure, ground vibration and dust impacts. Blasting can also cause clouds of visible oxides of Nitrogen (NOx) fumes, which may cause health impacts.</p> <p>Impacts are mainly preventatively managed through careful blast planning</p>	Low	<p>No explosives stored on site, and all blasting operations are undertaken by a licensed contractor.</p> <p>Blast design to minimise offsite impacts.</p> <p>Monitoring of meteorological conditions, to plan blasting schedules.</p> <p>Blast monitoring to record offsite ground vibration and airblast overpressure impacts in accordance with EPL licence conditions.</p>	Report incident (as detailed in sections 8, 9 and 10 of the PIRMP).
<p>Complete failure of sediment retention structures</p>	Low	<p>Regular monitoring and maintenance of sediment structures in accordance with environmental management plan.</p>	Report incident (as detailed in sections 8, 9 and 10 of the PIRMP) and inspect failure and extent of sediment deposition downstream. Remove excess sediment where possible while recognising other environmental values.

5.1 Inventory of Pollutants

Woodbury Civil’s Black Hill Quarry premises stores, handles and uses a small amount of potential pollutant materials in its operation, and safe handling is conducted in accordance with the Safety Data Sheets (SDS). **Table 3** below presents the type, maximum volume and location of potential pollutants stored at the licenced premises. See Appendix A for a site map, including the locations of potential pollutants.

Table 3: Potential Pollutants Stored at the Site

Potential Pollutant	Maximum Quantity	Storage Location
Diesel *	Nil	Workshop
Petrol *	Nil	Workshop
Engine Oil	200L	Workshop
Hydraulic Oil	200L	Workshop

*refilled and managed by road registered fuel trucks.

5.2 Incident Response Safety Equipment

Table 4 below summarises the equipment and resources available to assist with the management of an environmental incident.

Table 4: Available Safety Equipment and Resources

Equipment or Resource	Location
Spill kits	Workshops and vehicles
Fire fighting equipment	Workshops, vehicles and office/s

5.3 Staff training

General information relating to incident management and emergency response shall be included in all site inductions. All personnel must complete the induction prior to operating machinery or undertaking work onsite. Records of inductions are maintained within the site office.

5.4 Availability of Plans

The PIRMP will be maintained, in written form, at the site office, and shall be made readily available to those responsible for its implementation and to an authorised officer on request, as well as to anyone requesting the plan in writing generally within 14 days of the request being made.

5.5 Testing of Plans

The PIRMP will be tested routinely at least once every 12 months, to ensure that the information included in the plan is accurate and up to date, and that each plan is capable of being implemented in a workable and effective manner.

6 LIST OF SUPPORTING DOCUMENTS

- Environmental Management Plan

APPENDIX A

Site map locating potential pollutants and surrounding area