

Pollution Incident Response Management Plan

CULCAIRN QUARRY

Version 14: 19th July 2023



DOCUMENT CONTROL SHEET

Table 1 Document control register

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01	20 Aug 2012	Rod Johnson	Rod Johnson	Document created
02	10 Jan 2013	Patrick Boyce	Greg Crawford	Customisation of document
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04	30 Aug 2013	Patrick Boyce	Mark Azarnikow	Add actions from PIRMP audit New spill kit Update contacts listing Include 'Immediate Reporting Contact Sheet an appendix.
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Current Rev.	Date Implemented	PIRMP Test Schedule	Date for Next Review
14	July 2023	12 months	July 2024

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PART A: COMPLIANCE REQUIREMENTS, POLLUTION INVENTORIES AND RISK ASSESSMENTS

1. PURPOSE

The purpose of the Culcairn Quarry Pollution Incident Response Plan is to:

- Provide direction to the staff at Culcairn Quarry in responding to pollution incidents at the Culcairn operations;
- Ensure timely communication about a pollution incident is provided to staff at the premises, the Environment Protection Authority (EPA), other relevant authorities specified in the Protection of the Environment Legislation Amendment Act (POELA Act) (including Greater Hume Shire Council, NSW Ministry of Health, Work Cover NSW, and Fire and Rescue NSW) and persons outside the operations who may be affected by the impacts of a pollution incident;
- Minimise and control the risk of a pollution incident at Culcairn Quarry by identifying key risks and planned actions to minimise and manage those risks;
- Detail the training requirements for this plan, identifying persons responsible for implementing it, and ensuring that the plan is regularly tested for accuracy, currency and suitability.
- A hard copy of the PIRMP is to be kept on the site environmental board in the Culcairn Quarry Main Office. A soft copy of the PIRMP and EPL 26 is made available online https://www.boral.com.au/our-commitment/environmental-reporting

2. LEGISLATIVE REQUIREMENTS

The specific requirements for a Pollution Incident Response Management Plan (PIRMP) are set out in Part 5.7A of the POEO Act and the *Protection of the Environment Operations (General) Regulation 2009* (POEO (G) Regulation). Part 3A of the POEO Act and the *Protection of the Environment Operations (General) Regulation 2009 (POEO (G) Regulation)* describes specific components and requirements of a PIRMP.

Table 2 summarises the location of these requirements within the document.

Table 2: Summary of Legislative Requirements of a PIRMP

Section/Clause	Requirement	Location in PIRMP
	Part 5.7A POEO Act 1997	
147	 (1) For the purposes of this Part— (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. (2) For the purposes of this Part, it does not matter that harm to the environment is caused only in the premises where the pollution incident occurs. 	Section 3
153A	The holder of an environment protection licence must prepare a pollution incident response management plan that complies with this Part in relation to the activity to which the licence relates.	EPL 26 and this document
153C	A pollution incident response management plan must be in the form required by the regulations and must include the following— (a) the procedures to be followed by the holder of the relevant environment protection licence, or the occupier of the relevant premises, in notifying a pollution incident to—	Section 8 and 9
	(i) the owners or occupiers of premises in the vicinity of the premises to which the environment protection licence or the direction under section 153B relates, and (ii) the local authority for the area in which the premises to which the environment protection licence or the direction	Section 6 Section 7, 8, 9, 10 and 14
	under section 153B relates are located and any area affected, or potentially affected, by the pollution, and (iii) any persons or authorities required to be notified by Part 5.7, (b) a detailed description of the action to be taken, immediately after a pollution incident, by the holder of the relevant environment protection licence, or the occupier of	Section 7, 8, 9, 10 and 14 Section 15
	the relevant premises, to reduce or control any pollution, (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,	Section 7, 8, 9, 10 and 13
153D	(d) any other matter required by the regulations. A person who is required to prepare a pollution incident response management plan under this Part must ensure that it is kept at the premises to which the relevant environment protection licence relates, or where the relevant activity takes place, and is made available in accordance with the regulations.	Section 9, 14 Section 1
153E	A person who is required to prepare a pollution incident response management plan under this Part must ensure that it is tested in accordance with the regulations	Section 11,12
153F	If a pollution incident occurs in the course of an activity so	Section 4, Section 14

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	that material harm to the environment (within the meaning	
	of section 147) is caused or threatened, the person carrying	
	on the activity must immediately implement any pollution	
	incident response management plan in relation to the	
	activity required by this Part	
Part	3A POEO(G) Regulation 2009 Pollution Incident Response Manage	ement Plans
	note: See also 153C (a)-(c) of the POEO Act 1997	
98C(1) (a)	A description of the hazards to human health or the	Section 6, Appendix 1
	environment associated with the activity to which the licence	, , , ,
	relates,	
98C(1) (b)	The likelihood of any such hazards occurring, including	Appendix 1
300(1) (5)	details of any conditions or events that could, or would,	Appendix
	increase that likelihood,	
09((1) (6)		Saction O. Annondiy 1
98C(1) (c)	Details of the pre-emptive action to be taken to minimise or	Section 9, Appendix 1,
	prevent any risk of harm to human health or the	Section 14
22242 4 12	environment arising out of the relevant activity	
98C(1) (d)	An inventory of potential pollutants on the premises or used	Section 6
	in carrying out the relevant activity	
98C(1) (f)	A description of the safety equipment or other devices that	Section 6, Appendix 1
	are used to minimise the risks to human health or the	
	environment and to contain or control a pollution incident,	
98C(1) (g)	the names, positions and 24-hour contact details of those	Section 8 16
	key individuals who:	
	I.are responsible for activating the plan, and	
	I.are authorised to notify relevant authorities under section	
	148 of the Act, and	
	I.are responsible for managing the response to a pollution	
	incident,	
	moderity	
98C(1) (h)	the contact details of each relevant authority referred to in	Section 9, 16
, , , ,	section 148 of the Act,	·
98C(1) (i)	Details of the mechanisms for providing early warnings and	Section 10
, , , ,	regular updates to the owners and occupiers of premises in	
	the vicinity of the premises to which the licence relates or	
	where the scheduled activity is carried on	
98C(1) (j)	The arrangements for minimising the risk of harm to any	Section 9, Appendix 1
30C(1) (j)	persons who are on the premises or who are present where	Section 5, Appendix 1
	the scheduled activity is being carried on	
09C(1) (b)		Section 5
98C(1) (k)	A detailed map (or set of maps) showing the location of the	Section 5
	premises to which the licence relates, the surrounding area	
	that is likely to be affected by a pollution incident, the	
	location of potential pollutants on the premises and the	
	location of any stormwater drains on the premises	
98C(1) (I)	A detailed description of how any identified risk of harm to	Section 9, Appendix 1
	human health will be reduced, including (as a minimum) by	
	means of early warnings, updates and the action to be taken	
	during or immediately after a pollution incident to reduce	
	that risk,	
98C(1) (m)	The nature and objectives of any staff training program in	Section 11
•	relation to the plan	
98C(1) (n)	The dates on which the plan has been tested and the name	Table 7
	of the person who carried out the test,	
98C(1) (o)	The dates on which the plan is updated,	Document Control
	- Salata Silata Silata Piani ia apaasaa)	Sheet
98C(1) (p)	The manner in which the plan is to be tested and maintained.	Section 11, 12, 13
20C(1) (b)	The manner in which the plan is to be tested and maintained.	Jection 11, 12, 13

3. DEFINITION OF 'POLLUTION INCIDENT'

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 substancehas 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 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 reasonableand practicable measures to prevent, mitigate or make good harm to the environment.

Culcairn Quarry is now required to report non-trivial pollution incidents immediately to the EPA, NSWHealth, Fire and Rescue NSW, SafeWork NSW and the local council.

4. SCOPE

This PIRMP must be followed by employees, contractors and visitors of Culcairn Quarry, to assist in the early response to and reporting of a pollution incident.

5. SITE LAYOUT

Figure 1 - Culcairn Quarry Location Map

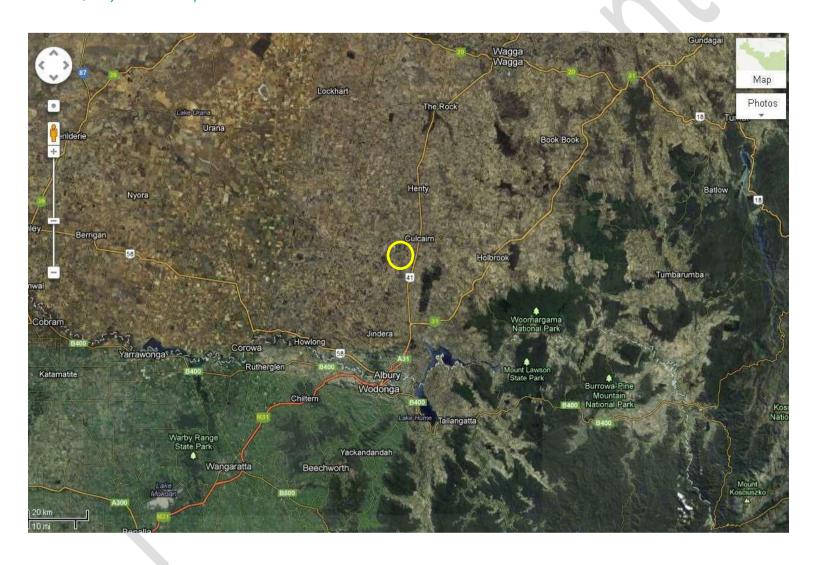


Figure 2 - Culcairn Quarry Reference Map



Figure 3 - Culcairn Quarry – Map of Affected Areas



6. POTENTIAL POLLUTING SUBSTANCES

Table 3 below is an inventory of potential pollutants kept on the premises. This inventory provides a description of the main hazards to human health or the environment, an assessment of the likelihood of the hazards occurring and also includes the current controls and safety equipment and/ or pre-emptive actions in place to minimise or prevent risk of harm to human health or the environment.



Table 3 – Potential Pollutants

Site Name: Culcairn Quarry					Responsible Person: Ian Forrest – Quarry Manager		Date: 19/07/2023
Name / description	Covered under Hazardous Chemicals/SDS?	Amount stored	Location of storage	Map reference	Need for early warning ¹	Current controls	See Risk Ass & PIRMP Response Action (see Below)
CHEMICALS/FUELS/LUB	RICANTS (raw mater	ials and produ	ıcts which can c	ause pollutio	on)		
Diesel	Class 3	30,000L Storage tank	Diesel Storage Area	Ref No #1	N/A	 Self bunded, double skinned Monthly fuel reconciliation Training Spill Kit Inductions Fire FightingEquipment 	Incident #1 and #3
Various Oils/ Solvents/ Lubricants	Class 3	Packaged goods upto 7000 ltrs	Oil Storage Shed at Workshop	Ref No [#] 2	N/A	 Bunding Training Flammable Cabinet Spill Kit Inductions Fire FightingEquipment 	Incident #4 and #5
Gases (flammable and non-flammable)	Class 2	Variable	Maintenance Workshop	Ref No #2	N/A	Fire ExtinguishersContainment CagesandCabinetsIsolation	Incident #4

Site Name: Culcairn Quarry					Responsible lan Forrest	e Person: – Quarry Manager	Date: 19/07/2023
Name / description	Covered under Hazardous Chemicals/SDS?	Amount stored	Location of storage	Map reference	Need for early warning ¹	Current controls	See Risk Ass & PIRMP Response Action (see Below)
Precoat	Class 3	Up to 28,500 ltrs	Precoat storage area	Ref No #3 and #4	N/A	 Self bunded, double skinned Training Spill Kit Inductions Fire FightingEquipment 	Incident #1 and # and #3
MATERIALS (eg stockpil	es, silos, bulk solids (etc)					
Aggregate Stockpiles	N/A	Variable	Dedicatedon site	Ref No #5 and #6	N/A	Water spraysWater cartMaintain manageable levels	Incident #6
AQUEOUS (eg dams, wa	stewater tanks, oth	er water stora	ge area)				
Quarry Pit andSediment Dam	N/A	Variable	Quarry hole and swamp area		N/A	 Continue to use fordust suppression Ensure any pumpsare maintained through scheduledmaintenance 	Incident #7
Surface Water Drains	N/A	Variable	Site	N/A	N/A	 Straw Bales Rubber and Earthen Berms Audits and Inspections 	Incident #7

Site Name: Culcairn Quarry					Responsible Person: Ian Forrest – Quarry Manager		Date: 19/07/2023
Name / description	Covered under Hazardous Chemicals/SDS?	Amount stored	Location of storage	Map reference	Need for early warning ¹	Current controls	See Risk Ass & PIRMP Response Action (see Below)
SUBSTANCES IN PROC	ESSES (substances wh	ich could be er	mitted from ope	erational pro	cess i.e. treat	ment plants, vehicles etc)	
Mobile Plant (Boral vehicles)	Class 3	Up to 8 MP on site	Dedicatedon site	N/A	N/A	Spill KitPre start checksTrainingMaintenance	Incident #8
Mobile Plant (Contractor/visitor vehicles)	Class 3	Variable	Variable Locations	N/A	N/A	Spill KitTrainingInductions	Incident #9
Car Parking up to 20 vehicles	Class 3	Variable	Site Office	Ref No #8	N/A	Spill KitTrainingMaintenance	Incident #10
Traffic Areas (dust, chem. leaks & loss)	N/A	N/A	Variable Locations	N/A	N/A	TrainingWater cartSpill KitNo sensitiveneighbours	Incident #11

¹ Early warnings relate to informing neighbours who may be affected by the emission of this substance. If this substance is of a type and quantity which may reachneighbours then early warning assessment of actions is required to be undertaken.

7. ROLES AND RESPONSIBILITIES

Table 4 – Roles and Responsibilities

Position	Responsibility
Employees and Contractors	Following the procedures outlined in the PIRMP and related documents
	Immediately alerting Supervisor or Team Leader of any environmental incidents or near-misses.
Team Leaders / Front Line Supervisors	Following the procedures outlined in the PIRMP and related documents
	Immediately alerting Site/Quarry Manager or, in case of their unavailability, Environmental Representative or Environment Manager of any potentially material environmental incidents or near-misses. Conducting incident investigations.
Site / Operations Manager and/or Site Environmental Coordinator	Authorisation of the PIRMP Administration, maintenance and implementation of the PIRMP
and/or Environment Manager	Assessing whether the incident is non-trivial and has caused or threatens "material environmental harm" and, if so, immediately notifying all Appropriate Regulatory Authorities. Ensuring that investigations are undertaken to a level corresponding to the level of risk and impact.
HSE Regional Manager and/or Regional Environment	Make a determination as to whether the incident (as defined in section 147 of the POEO Act) is non-trivial and therefore reportable to external agencies
Manager	Inform Executive General manager and Group management of Notification to External Agencies
	Undertake notifications as defined in PIRMP
	Authorise notifications to public and/or media following GRP-HSEQ-2-02

8. INTERNAL POLLUTION INCIDENT REPORTING

Any pollution incident satisfying the *material harm* threshold must be immediately reported to relevant statutory authorities by either the Site/Operations Manager, or Environment Manager.

In cases where "material harm" level cannot be immediately assessed or insufficient information comes to hand on the severity of the incident, the general advice is to err on the side of caution and notify the Relevant Authorities with a qualification that the situation could not yet be fully assessed.

Until further notice the following procedure needs to be followed:

- 1. When a pollution incident occurs, a person who has become aware of it must immediately bring it to the attention of his/her immediate Supervisor or Manager
- 2. If necessary, first ring "000" for Emergency Services
- 3. At least one of the following BCM personnel must be contacted **immediately**:

Table 5 – Internal Contacts List

Name	Function	Phone number	Mobile number

- 4. The Quarries Operation Manager or in case of his unavailability one of the Senior Management personnel listed above, is to **immediately** notify all Appropriate Regulatory Authorities specified in Section 4.3.
- 5. In borderline situations, where the exceedance of the trigger level of "material harm" of a pollution incident may not be clear, a quick assessment including consultation with Boral environmental personnel should be undertaken to help the decision whether to notify or not.

6. Boral's Senior Management must be informed promptly of the fact of immediate notification to the Authorities. This includes environmental personnel listed above, as well as Lloyd Wallace, Peter Head and Scott Carter.

9. EXTERNAL POLLUTION INCIDENT REPORTING

As the legislation requires that notification must be done immediately upon becoming aware of the pollution incident, it is unlikely that a detailed picture will be available for reporting. Notwithstanding, is seems that some of the Government Authorities prepared a detailed questionnaire which is being filled at the time of this initial notification. Under the stress of incident handling it could be easy to provide a hasty, inaccurate estimate of the situation when answering these questions.

Therefore, the notification should be restricted to the facts known and nothing should be assumed or guessed. The details will be provided to the asking Authority later when more information comes to hand.

The initial notification should include as much of the following information (if known) as possible:

- location and time of the pollution incident
- type of the incident (spill, fire, unlicensed harmful discharge, etc)
- assessed level of incident gravity: "it seems to be..." (e.g. "a relatively minor spill"; "major fire", "explosion limited to one building", etc.)
- whether the Emergency Services have been required to attend.

Unless known for a fact, the answers to other questions should be politely deferred until a better assessment of the situation can be made.

The Boral person who is responsible for notifying the Authorities (Site/Operations Manager or Environment Manager) about the incident must prepare a Notification Log (a suitable form is attached) with the details of time of notifications and the persons who took to the call. The Authorities will generally provide an Incident Notification Number.

Notification of all Appropriate Government Authorities (at least 5 entities) may take considerable time. Delays may be experienced connecting to the right person or no contact may be possible after hours. All such instances should be recorded in the Notification Log.

10. POLLUTION INCIDENT AUTHORITY CONTACT LIST

Table 6 External Authorities Contact List

Government Authority – compulsory notifications	Emergency notification phone number
EPA – Environment Line	131 555
Department of Primary Industries NSW	1300 814 609
Public Health Unit (Albury) – Greater SouthernAHS.	HealthLink (24 hr)- 1800 063 635 Head Office – Albury – (03) 6080 8900
WorkCover Authority of NSW	131 050 Company ABN if asked: 51 000 187 002
Fire and Rescue NSW (FRNSW)	1300 729 579
Government Authority – ring if relevant	Emergency notification phone number
Police & Ambulance	000
Greater Hume Shire Council	(02) 6036 0100
Roads and Maritime Services (road spills)	132 701
NSW Office of Water	8838 7885
Bush Fire Control Officer	1800 049 933
Poisons Information Centre	131 126
Essential Energy	13 23 91

Communication with the local community may also be undertaken depending on the circumstances of the pollution incident. Culcairn Quarry would consider the following options for providing Early Warning and ongoing information to the community on pollution incidents:

• Direct phone contact with any local residents directly impacted by the pollution incident

- Letter Box drops of incident information and site contacts to local residents impacted by the pollution incident
- The inclusion of incident details within the relevant Quarry Community meeting

The Stakeholder Relations Manager can assist in the process of communicating with the community, as per the Stakeholder Engagement Plan for the site.

11. INCIDENT RESPONSE TRAINING

Culcairn Quarry will implement the Pollution Incident Response Management Plan by training or providing information to relevant employees and contractors in relevant areas of the Plan. The nature and objectives of staff training is to relate to site personnel the importance of early notification of any incidents and spills to site supervisors and key personnel.

Training or information will be provided on the following:

- The contents and intent of this PIRMP,
- The roles and responsibilities of site staff in relation to this PIRMP
- Spill response procedures;
- General environmental awareness; and / or
- Hazardous materials awareness.

Site inductions for visitors and sub-contractors also advise individuals to report any environmental incidents or spills to site supervisors and key personnel immediately. Key site personnel and supervisors participate in PIRMP Tests which are used as practical training and can also be used to identify any potential gaps or areas for improvement for the PIRMP. A summary of the PIRMP Drills undertaken at Culcairn Quarry is shown below in Table 7.

Table 7 - PIRMP Drills Undertaken at Culcairn Quarry

Test Date	Version tested	Incident Drilled	Drill Team Lead
19/07/2023	13	Loss oils or solvents outside bund during delivery and or use	Chris Brown
20/07/2022	12	Desktop Simulation	Rod Johnson
15/07/2021	11		
13/02/2020	10	Excessive airborne dust from stockpiled material	lan Forrest

07/04/2019	09	Loss oils or solvents inside bund during delivery and or use	lan Forrest
26/07/2018	08	Burst hydraulic hose on FEL	lan Forrest

A sign-off sheet is kept of the personnel present for the undertaking of a PIRMP Drill and a record is kept on when and how the PIRMP is communicated to employees. This information forms a section of the PIRMP Drill document. For more information regarding each of the PIRMP Drills, refer to the specific drill document.

12. PIRMP TESTING

Plans must be tested routinely at least once every 12 months. The testing is to be carried out in such a manner as 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.

The objectives of an audit are to maintain compliance with this plan. Internal audits of this Plan will be undertaken every 3 years.

Routine testing of the plan will be conducted annually, and can be completed through the following methods:

- Simulated environmental emergency, or
- Desktop simulations.

13. PIRMP REVIEW

Revisions are to be coordinated by the Site Manager and Environmental Representative.

The objectives of a review are:

- To maintain compliance with the statutory requirements, and
- To identify opportunities for improvement in the Plan, and reduce the risk to human health andthe environment

13.1 EVENT BASED

Events which may trigger a review of this Plan or its associated documents include:

- Within 1 month of reporting to the nominated parties in accordance with the plan, after a pollution incident, or
- Modification/Improvement to the system

13.2 TIME BASED

Culcairn Quarry will review this management plan routinely every 12 months. The Plan reviewwill Culcairn Quarry – PIRMP_V13

include:

- This Document, and
- Legislation, Approval and Licence changes.



APPENDIX 1. RISK ASSESSMENT on POTENTIAL IMPACTS

			Н	azard	and Likeli	hood Risk Assessment and Corrective Control Mea	sures	
Site:					ponsible F	Person: Review Date:		
Culcairn C	Quarry			Qua	arry Mana	ger 19 July 2023		
Name / ref of pollutant/ chemicals	Incident numberand description	Conseq uence	Likeli- hood	Risk	Impact on neighbours ²	Control MeasuresCorrective Action Coverage under other Plans	Responsible person	Actiondate
Diesel &Precoat	Incident #1 Catastrophic failure or above ground fuel or precoat tanks resulting in material harm to the environment or community	3 f	2	M	No impact	Consequence: (Moderate): Failure resulting in loss of all or substantial volume of tanks would be captured entirely by existing bund with no release to soil or water. Likelihood: (Unlikely): Precoat is stored in an above ground double skinned tank.	As per PIRMP action plan	When required
	Incident #2 Failure of precoat delivery system on precoat plant (valves, pipes, nozzles etc) resulting in material harm to the environment or community.		2	М	No impact	Consequence: (Minor): Spillage would be minor and contained to localisedsoil contaimination with very low likelihood of loss off site. Likelihood: (Unlikely): Precoat delivered to plant calibrated to deliver product as needs instead of producing large quanities.	As per PIRMP action plan	When required

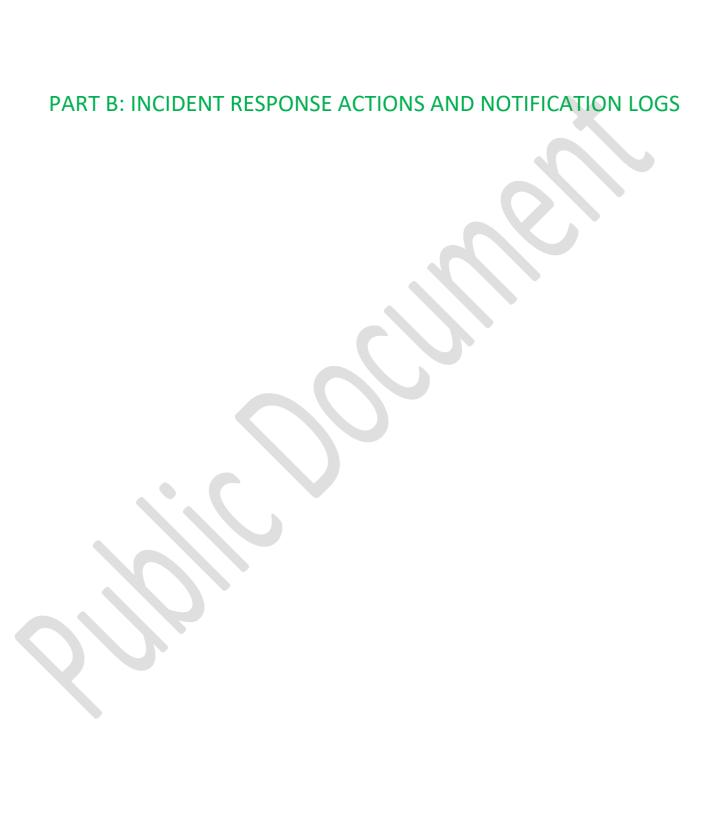
Incident #3	2	2	L	No impact	Consequence: (Minor): Failure resulting in loss/leakage from fuelling or re-	As per	When
Loss of diesel outside					fuelling from hose, nozzle or plant/equipment impacting soil.	PIRMP	required
bund during						action plan	
refuelling/fuelling					Likelihood: (Unlikely): Due to method of refuelling, it is likely to occur on some		
operations resulting					occasions. Hoses and refuelling equipment are maintained with low riskof		
in material harm to					failure.		
the environment or							
community							

² If the incident may impact on neighbours then it will trigger the early warnings assessment and actions

	Incident #4 Loss of oil or product outside of workshop bunded area resulting in material harm to the environment or community	2	2	M	No impact	Consequence: (Minor): All IBCs and drums are small in quantity and spills would be within a bunded area. Likelihood: (Unlikely): Bund complies with Australian Standard.	As per PIRMP action plan	When required
Oils/Solvents	Incident #5 Loss of oils solvents inside bund during delivery and or use resulting in material harm to the environment or community	1	2	L	No impact	Consequence: (Incidental): Failure resulting in loss of oils/solvents from packaged goods would be captured entirely by existing primary bund with no release to soil or water. Likelihood: (Unlikely): Due to location within the bund, spillage duringdelivery and use is unlikely to occur.	As per PIRMP action plan	When required
Aggregate stockpiles	Incident #6 Excessive airborne dust from stockpiledmaterial resulting in material harm to the environment or community	1	4	M	Y	Consequence: (Incidental): No sensitive neighbours impacted by airbornedust emissions from stockpile area. Likelihood: (Likely): Stockpiles are maintained to a manageable level on a monthly basis. Use of water sprinklers and water cart onsite during windy periods.	As per PIRMP action plan	When required
SedimentDams	Incident #7 Failure of one ormore sediment dams releasing large volumes of water into on-site and off- site water courses (i.e creek) resulting in material harm to the environment or community.	2	1	L	Y	Consequence: (Minor): Catastrophic failure of one or more sediment dams are likely to result in off-site impacts to water courses which would predominantly reduce water quality over a short period of time. As such, impact to the environment/human health is not considered to be significant. Likelihood: (Rare): Dams are frequently monitored and inspected for levelsand integrity. Dams are empty for large periods of the year. Risk Assessment = Moderate Vs Unlikely = M (6) Note: For PIRMP purposes overflow events during extreme wet weather willbe reported under POEO Licence obligations and not Immediate Reporting.	As per PIRMP action plan	When required

Mobile Plant (Boral)	Incident *8 Mobile plant, hydraulic hose	2	2	L	N	Consequence: (Minor): Failure from fuel tank or hydraulic hoses would be maintain to a small localised area on site.	As per PIRMP	When required
	orfuel tank failure						action plan	
	resulting in material					Likelihood: (Unlikely): Hose or fuel tank failure from mobile plant would be		
	harm to the					minimal as prestart and regular maintenance programs are in place to capture		
	environment or					and prevent such occurrences. Spills kits also maintain and available		
	community					in various areas.		

Mobile plant	Incident #9 Mobile	2	2	L	N	Consequence: (Minor): Failure from fuel tank or hydraulic hoses would be	As per	When
(Contractor,	plant, hydraulic hose					maintain to a small localised area on site.	PIRMP	required
Visitor)	orfuel tank failure						action plan	
	resulting in material					Likelihood: (Unlikely): Hose or fuel tank failure from mobile plant would be		
	harm to the					minimal as prestart and regular maintenance programs are in place to capture		
	environment or					and prevent such occurrences. Spills kits also maintain and availablein various		
	community					areas. Inductions for all contractors demonstrating their		
						accountabilities and responsibilities for reporting environmental incidents.		
Car Park	Incident #10	2	1	L	N	Consequence: (Minor): Failure from fuel tank or hydraulic hoses would be	As per	When
	Ruptured fuel tank					confined to a small localised area on site.	PIRMP	required
	resulting in material						action plan	
	harm to the					Likelihood: (Unlikely): Low levels of vehicle movements in car park. Spill kit		
	environment or					maintained and available, company vehicles maintained as per manufacturers		
	community					specifications.		



14. PIRMP RESPONSE ACTIONS

Incident No 1

	T
Incident #1	Catastrophic failure of above ground fuel or precoat tanks resulting in material harm to the
	environment or community
	Actions Required:
	Contact all relevant people/department (refer to Immediate Reporting Contact Sheet)
	Ensure bunds are capturing full volume of diesel/precoat
	Ensure bund integrity is sound throughout the entire period of incident (i.e. periodic
	inspections)
	 Contact service provider (Caltex No. 1800033111 or Transpacific 02 96007185) to pump-out bund contents
	Area to be restricted to Incident Response Personnel
	Ensure spill kit is available for any release from the bund (or alternatively quarry product)
	If any release from bund onto unsealed soil/surface water - Environmental Consultants to
	be engaged to investigate and remediate contamination.
	Repair/replace tanks
	Refuel tanks
	Inspect bund for ongoing serviceability
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions
	to be implemented.
Emergency	Quarry Manager
Controller	Call service provider
	Spill Kit manager (Supervisor)
	Periodic inspections and update reporting of site and bund (Quarry Manager)
Scale of incident	Incident would be restricted to Diesel/Precoat storage area with minimal external impact, however,
	potential for bund overflow or failure may result in soil and surface water contamination that will
	require specialist investigation/remediation.
Evacuate	Only if fire or explosion potential exists.
	Quarry Manager and any advice provided by Fire Dept as part of attendance after immediate
	notification.
Communications	Internal:
	Quarry Manager
	Environment Manager &/or WHS Business Partner
	External mandatory:
	Immediate Reporting Contact Sheet to be used
	External non-mandatory: N/A
Rescuer /	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
respondent +	
safety checks	
Rescue + First	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Aid	
Clean up and	Service Provider to dispose of diesel and advise on required clean-up.
Waste disposal	The state of the s
Reporting and	See SOPs:
re-preparedness	Incident Notification SOP (BCM NSW-ENV-009)

	medent No 2
Incident #2	Failure of precoat delivery system on precoat plant (valves, pipes, nozzles etc) resulting in material harm to the environment or community. Actions Required: Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) Hit Emergency Stop button on precoat plant. Barricade area to prevent traffic entering area; use surrounding bollards In the unlikely event, use spill kit / dust to restrict any flow prior to reaching drain. Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) Contact service provider (Caltex No. 1800033111 or Transpacific 02 96007185) to pumpout. Area to be restricted to Incident Response Personnel Remediate as required.
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency	Quarry Manager
Controller	Call service provider
	Spill Kit manager (Supervisor)
	Periodic inspections and update reporting of site and bund (Quarry Manager)
Scale of incident	Incident would be restricted immediately underneath precoat plant.
Evacuate	Only if fire or explosion potential exists. Quarry Manager and any advice provided by Fire Dept as
	part of attendance after immediate notification.
Communications	Internal:
	Quarry Manager
	Environment Manager &/or WHS Business Partner
	External mandatory:
	Immediate Reporting Contact Sheet to be used
	External non-mandatory: N/A
Rescuer /	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
respondent +	
safety checks	
Rescue + First	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Aid	g , i i i i i i i i i i i i i i i i i i
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	ilicident No 3
Incident #3	Loss of fuel during filling and refueling operations resulting in material harm to the environment or
	community.
	Actions Required:
	Contact all relevant people/department (refer to Immediate Reporting Contact Sheet)
	Ensure bunds are capturing full volume of diesel
	 Ensure bund integrity is sound throughout the entire period of incident (i.e. periodic inspections)
	Contact service provider (Caltex No. 1800033111 or Transpacific 02 96007185) to pump-out bund contents
	Area to be restricted to Incident Response Personnel
	Ensure spill kit available for any release from bund
	If any release from bund onto unsealed soil/surface water - Environmental Consultants to
	be engaged to investigate and remediate contamination.
	Repair/replace tanks
	Refuel tanks
	Inspect bund for ongoing serviceability
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions
	to be implemented.
Emergency	Quarry Manager
Controller	Call service provider (Quarry Manager)
	Spill Kit manager (Supervisor)
	 Periodic inspections and update reporting of site and bund (Quarry Manager)
Scale of incident	Incident would be restricted to Diesel/Precoat storage area with minimal external impact. However,
	potential for bund overflow or failure may result in soil and surface water contamination that will
	require specialist investigation/remediation.
Evacuate	Only if fire or explosion potential exists.
	Quarry Manager and any advice provided by Fire Dept as part of attendance after immediate
	notification.
Communications	Internal:
	Quarry Manager Quarry Manager
	Environment Manager &/or WHS Business Partner External mandatory:
	External mandatory:
	 Immediate Reporting Contact Sheet to be used External non-mandatory: N/A
Rescuer /	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
respondent +	
safety checks	
Rescue + First	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Aid	
Clean up and	Service Provider to dispose of diesel and advise on required clean-up.
Waste disposal	
Reporting and	See SOPs:
re-preparedness	Incident Notification SOP (BCM NSW-ENV-009)
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	meident No 4
Incident #4	Loss of oil or product outside of workshop bunded area resulting in material harm to the
	environment or community.
	Actions Required:
	 Contact all relevant people/department (refer to Immediate Reporting Contact Sheet)
	 Close any drain valves (if open) or cease any flow from damaged vessel.
	 Use spill kit toclean up spill, dust/aggregate to be used if spill is larger.
	Contact service provider (Caltex No. 1800033111 or Transpacific 02 96007185) to arrange
	bund to be cleaned/pumped.
	Area to be restricted to Incident Response Personnel
	Ensure spill kit available for any release from bund
	If any release from bund onto unsealed soil/surface water - Environmental Consultants to
	be engaged to investigate and remediate contamination.
	Repair and refuel as required.
Ala	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions
Alarm raising	1 1
F	to be implemented.
Emergency	Quarry Manager Gill associates (Occurs Manages)
Controller	Call service provider (Quarry Manager) (Call Service provider (Quarry Manager))
	Spill Kit manager (Supervisor)
	Periodic inspections and update reporting of site and bund (Quarry Manager)
Scale of incident	Incident would be restricted to chemical storage area with minimal external impact. However,
	potential for bund overflow or failure may result in soil and surface water contamination that will
	require specialist investigation/remediation.
Evacuate	Only if fire or explosion potential exists.
	Quarry Manager and any advice provided by Fire Dept as part of attendance after immediate
	notification.
Communications	Internal:
	Quarry Manager
	Environment Manager &/or WHS Business Partner
	External mandatory:
	Immediate Reporting Contact Sheet to be used
	External non-mandatory: N/A
Rescuer /	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
respondent +	
safety checks	
Rescue + First	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Aid	
Clean up and	Service Provider to dispose of diesel and advise on required clean-up.
Waste disposal	
Reporting and	See SOPs:
re-preparedness	Incident Notification SOP (BCM NSW-ENV-009)
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	ilicident No 5
Incident #5	Loss off oil/solvents, packaged goods, most likely during delivery or use resulting in material harm to
	the environment or community.
	Actions Required:
	 Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) Ensure bunds are capturing full volume of oil/solvents
	Ensure bund integrity is sound throughout the entire period of incident (i.e. periodic
	inspections)
	 Contact service provider (Caltex No. 1800033111or Transpacific 02 96007185) to pump-out bund contents
	Area to be restricted to Incident Response Personnel
	Ensure spill kit available for any release from bund or spill trays
	 If any release from bund onto unsealed soil/surface water - Environmental Consultants to
	be engaged to investigate and remediate contamination.
	Inspect bund for ongoing serviceability
	Contact waste disposal contractor to organize removal (if not done so already by delivery)
	driver)
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions
	to be implemented.
Emergency	Quarry Manager
Controller	Call service provider (Quarry Manager)
	Spill Kit manager (Supervisor)
	 Periodic inspections and update reporting of site and bund (Quarry Manager)
Scale of incident	Incident would be restricted to chemical storage area with minimal external impact. However,
	potential for bund overflow or failure may result in soil and surface water contamination that will
	require specialist investigation/remediation.
Evacuate	Only if fire or explosion potential exists.
	Quarry Manager and any advice provided by Fire Dept as part of attendance after immediate
	notification.
Communications	Internal:
	Quarry Manager
	Environment Manager &/or WHS Business Partner
	External mandatory:
	Immediate Reporting Contact Sheet to be used
	External non-mandatory: N/A
Rescuer /	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
respondent +	
safety checks	
Rescue + First	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Aid	
Clean up and	Service Provider to dispose of diesel, oil, grease and advise on required clean-up.
Waste disposal	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Reporting and	See SOPs:
re-preparedness	Incident Notification SOP (BCM NSW-ENV-009)
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Incident #6	Excessive airborne dust from stockpiled material resulting in material harm to the environment or
	community.
	Actions Required:
	Employees, Contractor/Visitor to notify site representative of issue immediately. (induction)
	Daily monitoring to be undertaken to assess weather and site conditions
	Contact all relevant people/department (refer to Immediate Reporting Contact Sheet)
	Dust suppression activity to commence immediately on stockpiles
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions
	to be implemented.
Emergency	Quarry Manager
Controller	Periodic inspections and update reporting of site (Quarry Manager)
Scale of incident	Incident would be localised to the area surrounding stockpile area, with minimal external impact.
Evacuate	Only if fire or explosion potential exists.
	Quarry Manager and any advice provided by Fire Dept as part of attendance after immediate
	notification.
Communications	Internal:
	Quarry Manager
	Environment Manager &/or WHS Business Partner
	External mandatory:
	Immediate Reporting Contact Sheet to be used
	External non-mandatory: N/A
Rescuer /	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
respondent +	
safety checks	
Rescue + First	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Aid	
Clean up and	Not applicable
Waste disposal	
•	
Reporting and	See SOPs:
re-preparedness	Incident Notification SOP (BCM NSW-ENV-009)

Incident #7	Failure of water management system resulting in large scale release of water resulting in material			
	harm to the environment or community.			
	Actions Required:			
	 Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) 			
	 Ensure water storage system is sound throughout the entire period of incident (i.e. periodic inspections) 			
	Contact local neighbours if going to be in inundated by rise of water			
	Area to be restricted to Incident Response Personnel			
	If any release from site to surface water - Environmental Consultants to be engaged to			
	undertake sampling and analysis of water			
	Contact local contractor to rebuild dams immediately			
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions			
	to be implemented.			
Emergency	Quarry Manager			
Controller	Periodic inspections and update reporting of site (Quarry Manager)			
Scale of incident	Catastrophic failure of one or more sediment dams are likely to result in off-site impacts to water			
	courses which would predominantly reduce water quality over a short period of time. As such,			
	impact to the environment/human health is not considered to be significant.			
Evacuate	Only if flood potential exists.			
	Quarry Manager and any advice provided by Fire Dept as part of attendance after immediate			
	notification.			
Communications	Internal:			
	Quarry Manager			
	Environment Manager &/or WHS Business Partner			
	External mandatory:			
	Immediate Reporting Contact Sheet to be used			
	External non-mandatory: N/A			
Rescuer /	As per Site Emergency Plan or Fire Department as part of Immediate Reporting			
respondent +				
safety checks				
Rescue + First	As per Site Emergency Plan or Fire Department as part of Immediate Reporting			
Aid				
Clean up and	Consultants to be contacted to advise on required clean-up.			
Waste disposal				
Reporting and	See SOPs:			
re-preparedness	Incident Notification SOP (BCM NSW-ENV-009)			

Mobile plant, hydraulic hose or fuel tank failure resulting in material harm to the environment or				
community. (Boral)				
Actions Required:				
 Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) 				
Area to be restricted to Incident Response Personnel				
Ensure spill kit available for any release from mobile plant & equipment				
 If any release from mobile plant onto unsealed soil/surface water is investigated and 				
remediated immediately				
Call service provider to inspect plant & equipment for serviceability				
Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions				
to be implemented.				
Quarry Manager				
Spill Kit manager (Supervisor)				
 Periodic inspections and update reporting of site (Quarry Manager) 				
Incident would be localised to the area with no external impact.				
Only if fire or explosion potential exists.				
Quarry Manager and any advice provided by Fire Dept as part of attendance after immediate				
notification.				
Internal:				
Quarry Manager				
Environment Manager &/or WHS Business Partner				
External mandatory:				
Immediate Reporting Contact Sheet to be used				
External non-mandatory: N/A				
As per Site Emergency Plan or Fire Department as part of Immediate Reporting				
As per Site Emergency Plan or Fire Department as part of Immediate Reporting				
Service Provider to dispose of diesel and advise on required clean-up.				
See SOPs:				
Incident Notification SOP (BCM NSW-ENV-009)				

	-				
Incident #9	Mobile plant, hydraulic hose or fuel tank failure from contractors / visitors resulting in material harm				
	to the environment or community.				
	Actions Required:				
	 Contractor/Visitor to notify site representative of issue immediately. (induction) 				
	Contact all relevant people/department (refer to Immediate Reporting Contact Sheet)				
	Area to be restricted to Incident Response Personnel				
	Ensure spill kit available for any release from mobile plant & equipment				
	If any release from mobile plant onto unsealed soil/surface water is investigated and				
	remediated immediately				
	Call service provider to inspect plant & equipment for serviceability				
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions				
	to be implemented.				
Emergency	Quarry Manager				
Controller	Call service provider (Quarry Manager)				
	Spill Kit manager (Supervisor)				
	 Periodic inspections and update reporting of site and bund (Quarry Manager) 				
Scale of incident	Incident would be localised to the area with no external impact.				
Evacuate	Only if fire or explosion potential exists.				
	Plant Manager and any advice provided by Fire Dept as part of attendance after immediate				
	notification.				
Communications	Internal:				
	Quarry Manager				
	 Environment Manager &/or WHS Business Partner – Enviro Representative 				
	External mandatory:				
	Immediate Reporting Contact Sheet to be used				
	External non-mandatory: N/A				
Rescuer /	As per Site Emergency Plan or Fire Department as part of Immediate Reporting				
respondent +					
safety checks					
Rescue + First	As per Site Emergency Plan or Fire Department as part of Immediate Reporting				
Aid					
Clean up and	Service Provider to advise on required clean-up and waste disposal.				
Waste disposal					
Reporting and	See SOPs:				
re-preparedness	Incident Notification SOP (BCM NSW-ENV-009)				

Incident #10	Car Park/ fuel tank failure resulting in material harm to the environment or community.				
	Actions Required:				
	 Contractor/Visitor to notify site representative of issue immediately. (induction) 				
	Area to be restricted to Incident Response Personnel				
	Ensure spill kit available for any release from mobile plant				
	 If any release from mobile plant onto unsealed soil/surface water is investigated and 				
	remediated immediately				
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions				
	to be implemented.				
Emergency	Quarry Manager				
Controller	Spill Kit manager (Supervisor)				
Scale of incident	Incident would be localised to the area with no external impact.				
Evacuate	Only if fire or explosion potential exists.				
	Plant Manager and any advice provided by Fire Dept as part of attendance after immediate				
	notification.				
Communications	Internal:				
	Quarry Manager				
	 Environment Manager &/or WHS Business Partner – Enviro Representative 				
	External mandatory:				
	Immediate Reporting Contact Sheet to be used				
	External non-mandatory: N/A				
Rescuer /	As per Site Emergency Plan or Fire Department as part of Immediate Reporting				
respondent +					
safety checks					
Rescue + First	As per Site Emergency Plan or Fire Department as part of Immediate Reporting				
Aid					
Clean up and	Service Provider to advise on required clean-up and waste disposal.				
Waste disposal					
Reporting and	See SOPs:				
re-preparedness	Incident Notification SOP (BCM NSW-ENV-009)				

POLLUTION INCIDENT NOTIFICATION LOG 15. Person undertaking notification (Name/Function): Date and time when first become aware of the incident: Incident type: Comments: Initial immediate notification log Time of call Approximate Appropriate Respondent's Comments call duration Regulatory Authority name/function **EPA Public Health Unit** Fire and Rescue **NSW Local Council** WorkCover Other: Other: Summary of initial communication: Person undertaking notification (Name/Function): Date and time when additional information become available:

Culcairn Quarry - PIRMP_V13

Comments:

Appropriate Regulatory Authority	Time of call	Respondent's name/function	Approximate call duration	Comments
EPA				
Public Health Unit				
Fire and Rescue NSW				X
Local Council				
WorkCover				
Other:				
Other:				
Summary of addition	iai communicat	ion		

16. IMMEDIATE NOTIFICATION SHEET SUMMARY

Table 8 - Internal Reporting List

Name	Function	Phone number	Mobile number

Table 9 - External Reporting List

Emergency Services / Government Authority	Emergency notification phone number	
EPA – Environment Line	131 555	
Fire and Rescue NSW (FRNSW)	1300 729 579	
Greater Hume Shire Council	(02) 6036 0100	
Public Health Unit (Albury) – Greater Southern AHS.	(BH) 02 6080 8900 (AH) 02 6080 8900 – Diverts to Albury Base Hospital – ask for Public Health Officer on call	
WorkCover Authority of NSW	131 050 Company ABN asked: 87 004 620 731	
Police & Ambulance	000	
Ron Dillon – Senior Mine Safety Officer	(02) 6360 5332 0429 917 890	