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Pollution Incident Response Management Plan

BYROCK QUARRY

Version Five: 15th January 2024





DOCUMENT CONTROL SHEET

Rev.	Date	Prepared by	Approved By	Revision Details
01	20 Sep 2018	Rod Johnson	Rod Johnson	Document Created
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03	18 September 2020	Rod Johnson	Rod Johnson	Update contact details Update scenario details Highlight Phone numbers following drill
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DOCUMENT CONTROL SHEET

Current Rev.	Date Implemented	PIRMP Test Schedule	Date for Next Review
06	15 January 2024	12 months	January 2025

Table 1 - Document control register

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PART A: COMPLIANCE REQUIREMENTS, POLLUTION INVENTORIES
AND RISK ASSESSMENTS

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1. PURPOSE

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

- Provide direction to the staff at Byrock Quarry in responding to pollution incidents at the Quarry 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 Mid-Western Regional 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 Byrock 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 Byrock Quarry Main Office. A soft copy of the PIRMP and EPL 21022 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	<p>(1) For the purposes of this Part—</p> <p>(a) harm to the environment is material if—</p> <p>(i) it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or</p> <p>(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</p> <p>(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.</p> <p>(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.</p>	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 2062 and this document
153C	<p>A pollution incident response management plan must be in the form required by the regulations and must include the following—</p> <p>(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—</p> <p>(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</p> <p>(ii) the local authority for the area in which the premises to which the environment protection licence or the direction under section 153B relates are located and any area affected, or potentially affected, by the pollution, and</p> <p>(iii) any persons or authorities required to be notified by Part 5.7,</p> <p>(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 the relevant premises, to reduce or control any pollution,</p> <p>(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,</p> <p>(d) any other matter required by the regulations.</p>	<p>Section 8 and 9</p> <p>Section 6</p> <p>Section 7, 8, 9, 10 and 14</p> <p>Section 7, 8, 9, 10 and 14</p> <p>Section 15</p> <p>Section 7, 8, 9, 10 and 13</p> <p>Section 9, 14</p>

153D	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 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 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	Section 4, Section 14
Part 3A POEO(G) Regulation 2009 Pollution Incident Response Management 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 environment associated with the activity to which the licence relates,	Section 6, Appendix 1
98C(1) (b)	The likelihood of any such hazards occurring, including details of any conditions or events that could, or would, increase that likelihood,	Appendix 1
98C(1) (c)	Details of the pre-emptive action to be taken to minimise or prevent any risk of harm to human health or the environment arising out of the relevant activity	Section 9, Appendix 1, Section 14
98C(1) (d)	An inventory of potential pollutants on the premises or used in carrying out the relevant activity	Section 6
98C(1) (f)	A description of the safety equipment or other devices that are used to minimise the risks to human health or the environment and to contain or control a pollution incident,	Section 6, Appendix 1
98C(1) (g)	<p>the names, positions and 24-hour contact details of those key individuals who:</p> <ul style="list-style-type: none"> I. are responsible for activating the plan, and II. are authorised to notify relevant authorities under section 148 of the Act, and III. are responsible for managing the response to a pollution incident, 	Section 8 16
98C(1) (h)	the contact details of each relevant authority referred to in section 148 of the Act,	Section 9, 16
98C(1) (i)	Details of the mechanisms for providing early warnings and 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	Section 10
98C(1) (j)	The arrangements for minimising the risk of harm to any persons who are on the premises or who are present where the scheduled activity is being carried on	Section 9, Appendix 1
98C(1) (k)	A detailed map (or set of maps) showing the location of the 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	Section 5

98C(1) (l)	A detailed description of how any identified risk of harm to 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,	Section 9, Appendix 1
98C(1) (m)	The nature and objectives of any staff training program in relation to the plan	Section 11
98C(1) (n)	The dates on which the plan has been tested and the name of the person who carried out the test,	Table 7
98C(1) (o)	The dates on which the plan is updated,	Document Control Sheet
98C(1) (p)	The manner in which the plan is to be tested and maintained.	Section 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 substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of any noise.”

A pollution incident is required to be notified if there is a risk of ‘material harm to the environment’, which is defined in section 147 of the POEO Act as:

a) harm to the environment is material if:

- i. it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or
- ii. it results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (or such other amount as is prescribed by the regulations), and

b) loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment.

Byrock Quarry is required to report **non-trivial** pollution incidents immediately to the EPA, NSW Health, Fire and Rescue NSW, WorkCover NSW and the local council.



4. SCOPE

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

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5. SITE LAYOUT

Figure 1 - Byrock Quarry Location Map

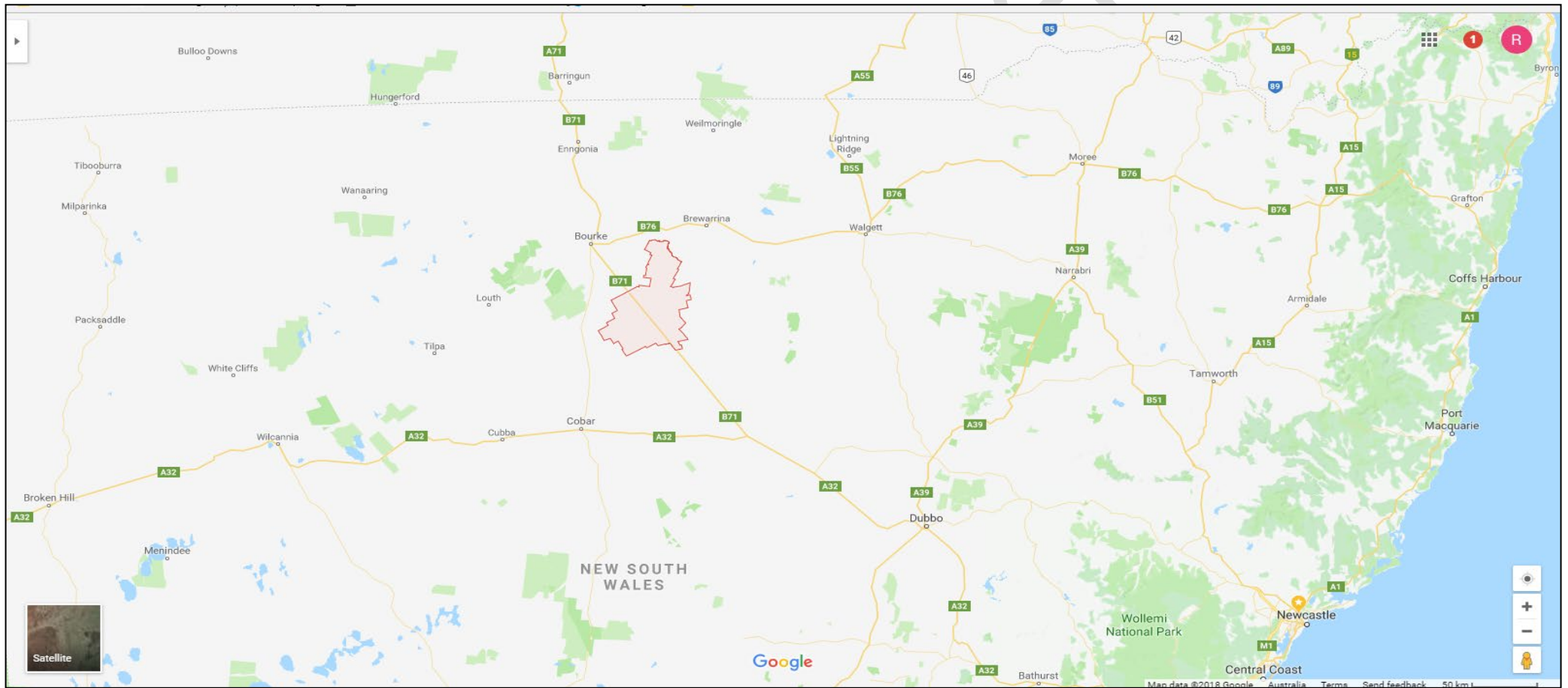


Figure 2 - Byrock Quarry Reference Map

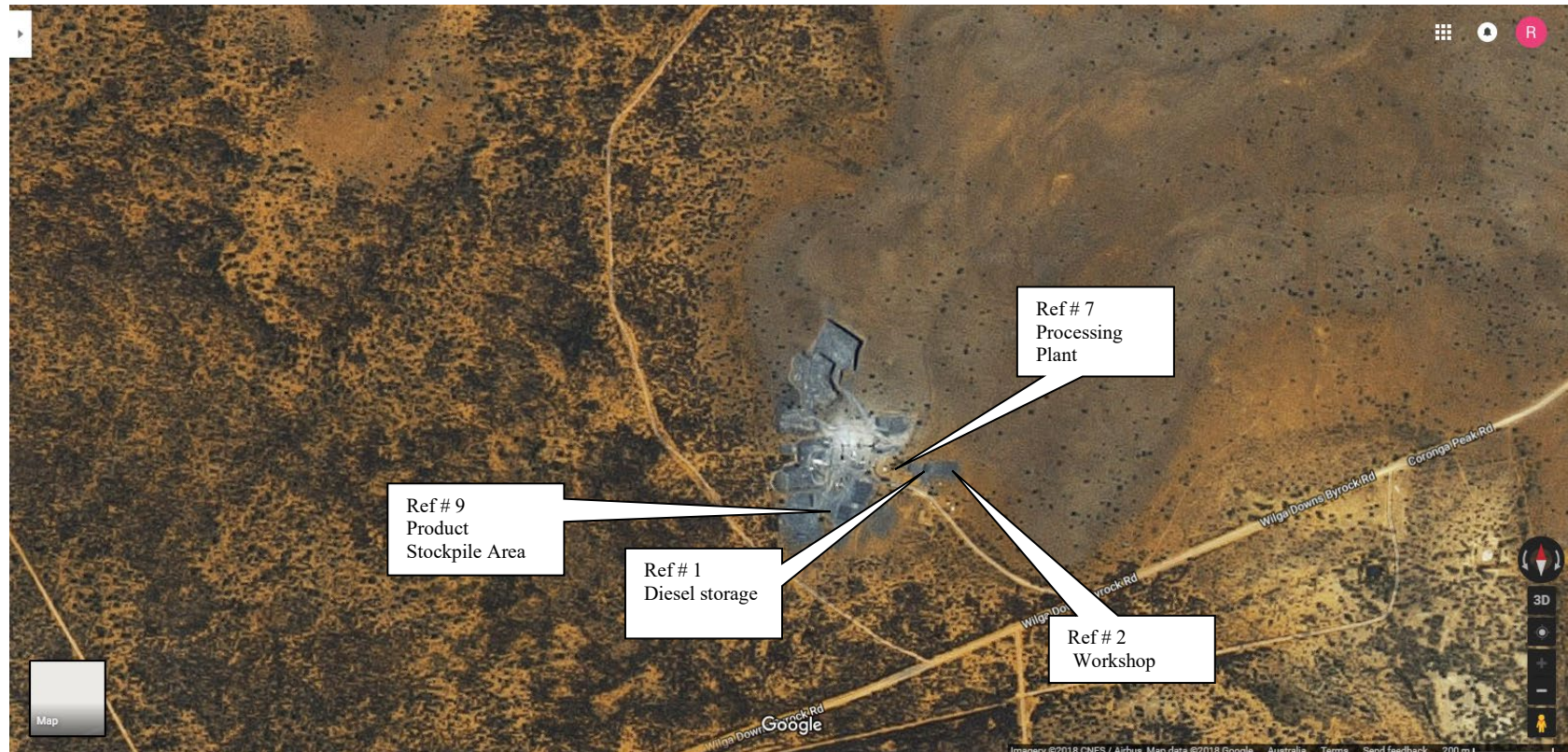


Figure 3 - Byrock Quarry – Map of Affected Areas



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.

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Table 3 - Potential Pollutants

LIST OF POLLUTING SUBSTANCE STORAGES/USES AT SITE: INITIAL ASSESSMENT (all Chemicals listed in this sheet are to be subjected to a risk assessment)							
Site Name: Byrock Quarry					Responsible Person: Quarry Manager		Date: 15/1/2024
Name / description	Covered under Haz Chemicals/MSDS?	Amount stored	Location of storage	Map reference	Need for early warning ¹	Current controls	See Risk Ass & PIRMP Response Action (see Below)
CHEMICALS/FUELS/LUBRICANTS (raw materials and products which can cause pollution)							
Diesel	Class 3	8,600 ltrs (2 storage tanks)	Diesel Storage Area	Ref No #1	N/A	<ul style="list-style-type: none"> • Bunding • PMP • Training • Spill Kits • SOP • Inductions • Fire Fighting Equipment • Security 	Incident #1-2, 5
Oils/Solvents	Class 3	Packaged goods up to 600ltrs	Oil Storage Shed at Workshop	Ref No #2	N/A	<ul style="list-style-type: none"> • Bunding • PMP • Training • Flammable Cabinet • Spill Kits • Inductions • Fire Fighting Equipment • Security 	Incident #3, 5
Lubricants, Gases	Class 2	Variable	Maintenance Workshop	Ref No #2	N/A	<ul style="list-style-type: none"> • Fire Extinguishers • Concrete Floor 	Incident #3, 5

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 reach neighbours then early warning assessment of actions is required to be undertaken.

						<ul style="list-style-type: none"> • Enclosed Shed • Containment Cages and Cabinets 	
Oils/Fuel	Class 3	Variable	Plant and Equipment (Workshop area)	Ref No #2	N/A	<ul style="list-style-type: none"> • PMP • Training • Spill Kits • SOP • Inductions • Fire Fighting Equipment • Security 	Incident #3, 5
MATERIALS (eg stockpiles, silos, bulk solids etc)							
Product Stockpiles	N/A	Variable	Dedicated on site	Ref No #8 & #9	N/A	<ul style="list-style-type: none"> • Water sprays • Water Cart • Maintain manageable levels • Security 	Incident #2
AQUEOUS (eg dams, wastewater tanks, other water storage area)							
Water Storage Dam (Sediment)	N/A	Variable		Ref No #6	N/A	<ul style="list-style-type: none"> • Continue to use for dust suppression • Ensure pumps are maintained through scheduled maintenance • Discharge monitoring 	Incident #3
Storm Water Drains	N/A	Variable	Site	N/A	N/A	<ul style="list-style-type: none"> • Straw Bales • Rubber and Earthen Berms • Audits and Inspections 	Incident #3

SUBSTANCES IN PROCESSES (substances which could be emitted from operational process i.e. treatment plants, vehicles etc)							
Name / description	Covered under Haz Chemicals/MSDS?	Amount stored	Location of storage	Map reference	Need for early warning ²	Current controls	See Risk Ass & PIRMP Response Action (see Below)
Mobile Plant (onsite) BORAL	Class 3	Up to 10 MP on site	Dedicated on site	N/A	N/A	<ul style="list-style-type: none"> • Spill Kits • Pre start checks • PMP • Training 	

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² 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 reach neighbours then early warning assessment of actions is required to be undertaken.

7. ROLES AND RESPONSIBILITIES

Table 4 - Roles and Responsibilities

Position	Responsibility
<i>Employees and Contractors</i>	<p>Following the procedures outlined in the PIRMP and related documents</p> <p>Immediately alerting Supervisor or Team Leader of any environmental incidents or near-misses.</p>
<i>Team Leaders / Front Line Supervisors</i>	<p>Following the procedures outlined in the PIRMP and related documents</p> <p>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.</p> <p>Conducting incident investigations.</p>
<i>Site / Operations Manager and/or Site Environmental Coordinator and/or Environment Manager</i>	<p>Authorisation of the PIRMP Administration, maintenance and implementation of the PIRMP</p> <p>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.</p>
<i>HSE Regional Manager and/or Regional Environment Manager</i>	<p>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</p> <p>Inform Executive General manager and Group management of Notification to External Agencies</p> <p>Undertake notifications as defined in PIRMP</p> <p>Authorise notifications to public and/or media following GRP-HSEQ-2-02</p>

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 Contact List

Name	Function	Phone number	Mobile number
	Site Manager		
	Quarry Manager		
	Country Operations Manager - South		
	WHS Business Partner		
	Environment Business Partner		

4. The Site 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 9.
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 [Note: Contact details removed from online version for privacy reasons.](#)

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, it 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 NSW/ACT 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.

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
Fire & Rescue NSW (FRNSW)	1300 729 579
Bourke Shire Council – Dwayne Willoughby: Environmental Services	02 6830 8000
Public Health Unit (Greater Western) – Dubbo GW PHU	HealthLink (24 hr)- 1800 063 635 Head Office- Dubbo- 6841 5569
WorkCover Authority of NSW	131050 Company ABN asked: 51 000 187 002
Government Authority - ring if relevant	Emergency notification phone number
Police & Ambulance	000
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 (power line emergencies)	13 23 91
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Communication with the local community may also be undertaken depending on the circumstances of the pollution incident. Byrock 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 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

Byrock 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 Byrock Quarry is shown below in Table 7.

Table 7 - PIRMP Drills Undertaken at Byrock Quarry

Test Date	Version tested	Incident Drilled	Drill Team Lead
30/09/2021	04	Hydraulic oil leak on Loader	Robert Bruce
15/1/2024	05	Oil fire	Darcy Toombs

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 and the 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

Byrock Quarry will review this management plan routinely every 12 months. The Plan review will include:

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

APPENDIX 1.

RISK ASSESSMENT on POTENTIAL IMPACTS

Hazard and Likelihood Risk Assessment and Corrective Control Measures

Site: Byrock Quarry			Responsible Person: Quarry Manager/Supervisor			Reviewed Date: 15 January 2024		
Name / ref of pollutant/ chemicals	Description of Hazard / Incident leading to hazard	Consequence	Likely hood	Risk	Impact on neighbours ³	Control Measures Corrective Action Coverage under other Plans	Responsible person	Action date
Diesel	Incident #1 Uncontrolled loss of Diesel or other hydrocarbon based products that could result in material harm to the environment or human health	3	2	M	N	Consequence: (Incidental): Tank is positioned underground, any loss of diesel will be contained to immediate vicinity, with minimal potential to migrate offsite Likelihood: (Unlikely): Due to location of tank, damage to tank is unlikely to occur from external equipment. In addition tanks are maintained in good structural integrity with low risk of failure through corrosion.	As per PIRMP action plan	When required
Airbourne Dust	Incident #2 Excessive airborne dust from stockpiled material, mobile plant or traffic areas causing material harm to the environment or significant	2	3	L	Y	Consequence: (Minor): Excessive dust from stockpile during high winds causing nuisance to surrounding area. Likelihood :(Unlikely): Stockpiles are maintained to a manageable level on a monthly basis. Use of water cart onsite during windy periods.	As per PIRMP action plan	When required

³ If the incident may impact on neighbours then it will need to trigger the early warnings assessment and actions

	impact to the community							
Sediment Dams	Incident #3 Uncontrolled release of sediment laden water from storage dams causing material harm to the environment	2	1	L	N	<p>Consequence: (moderate): Catastrophic failure of sediment dams are likely to result in off-site impacts to local area. No permanent water courses in immediate vicinity of site. As such, impact to the environment/human health is not considered to be significant.</p> <p>Likelihood: (unlikely): Dams are frequently monitored and inspected for levels and integrity. Risk Assessment = Moderate Vs Unlikely = M</p> <p>Note: For PIRMP purposes overflow events during extreme wet weather will be reported under POEO Licence obligations and not Immediate Reporting.</p>	As per PIRMP action plan	When required
Blast Fume	Incident #4 Uncontrolled release of Blast fumes and/or odour (NOx) from blast practices causing significant impact to the surrounding community	2	2	L	Y	<p>Consequence: (minor): Any exposure to blast fume would be short term and dependent on weather conditions. Quarry is situated in rural area separated by distance from closest neighbours</p> <p>Likelihood :(unlikely): Boral does not sleep shots for any extended period of time and due to nature of resource water is not typically experienced in blast holes. Quarry is isolated from surrounding residents via distance</p>	As per PIRMP action plan	When required
Smoke	Incident #5 Excessive smoke as a result of infrastructure or equipment fire causing significant and unexpected impact to the community	1	1	L	Y.	<p>Consequence: (minor) smoke would be visible but due to distance to the nearest receivers would have little impact</p> <p>Likelihood: (unlikely) fire fighting controls are in place in the operations and staff have been trained in fire fighting response. Maintenance schedule in place to ensure process and fire fighting equipment are in good working order. Emergency response training for Boral staff in place including fire response.</p> <p>Windy conditions will increase potential for smoke to leave site</p>	As per PIRMP action plan	When required

PART B: INCIDENT RESPONSE ACTIONS AND NOTIFICATION LOGS

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14. PIRMP RESPONSE ACTIONS

Incident No 1

Incident #1	<p>Uncontrolled loss of Diesel or other hydrocarbon based products that could result in material harm to the environment or human health</p> <p>Actions Required:</p> <ul style="list-style-type: none"> • Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) • Ensure Tank 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 tank contents • Area to be restricted to Incident Response Personnel • Ensure spill kit available for any release from area • If any release from tank onto unsealed soil/surface water - Environmental Consultants to be engaged to investigate & remediate contamination. • Repair/replace tanks • Refuel tanks <p>Inspect tank for ongoing serviceability</p>
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • 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 Diesel storage area with minimal external impact, however, any tank 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	<p>Internal:</p> <ul style="list-style-type: none"> • Quarry Manager • Senior Environmental Business Partner and / or Environmental Business Partner <p>External mandatory: Immediate Reporting Contact Sheet to be used External non-mandatory: N/A</p>
Rescuer / respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Service Provider to dispose of diesel and advise on required clean-up.
Reporting and re-preparedness	<p>See:</p> <ul style="list-style-type: none"> • GRP-HSEQ-3-02 Incident Reporting Investigation and Action Management • Incident Notification SOP GRP-HSEQ-3-02Incident_Reporting_Investigation_and_Action_Management v3.2.pdf • Review of PIRMP • Review of relevant Management plan • Reporting as per Conditions of consent • Reporting as per EPL • GRP-HSEQ-8-07 Spill Management

Incident No 2

Incident #2	<p style="color: red;">Excessive airborne dust from stockpiled material, mobile plant or traffic areas causing material harm to the environment or significant impact to the community</p> <p>Actions Required:</p> <ul style="list-style-type: none"> • 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	<p>Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.</p>
Emergency Controller	<ul style="list-style-type: none"> • Quarry Manager • Call service provider (Quarry Manager) • Spill Kit manager (Supervisor) • Periodic inspections and update reporting of site and surrounding area (Quarry Manager)
Scale of incident	<p>Incident would be localised to the area surrounding stockpile area, with minimal external impact.</p>
Evacuate	<p>Only if fire or explosion potential exists. Quarry Manager and any advice provided by Fire Dept. as part of attendance after immediate notification.</p>
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Quarry Manager • Senior Environmental Business Partner and / or Environmental Business Partner <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer / respondent + safety checks	<p>As per Site Emergency Plan or Fire Department as part of Immediate Reporting</p>
Rescue + First Aid	<p>As per Site Emergency Plan or Fire Department as part of Immediate Reporting</p>
Clean up and Waste disposal	<p>Service Provider to dispose of diesel and advise on required clean-up.</p>
Reporting and re-preparedness	<p>See:</p> <ul style="list-style-type: none"> • GRP-HSEQ-3-02 Incident Reporting Investigation and Action Management • Incident Notification SOP GRP-HSEQ-3-02Incident_Reporting_Investigation_and_Action_Management v3.2.pdf • Review of PIRMP • Review of relevant Management plan • Reporting as per Conditions of consent • Reporting as per EPL • GRP-HSEQ-8-06 Air Management

Incident No 3

Incident #3	<p>Uncontrolled release of sediment laden water from storage dams causing material harm to the environment</p> <p>Actions Required:</p> <ul style="list-style-type: none"> • Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) • Ensure bund integrity is sound throughout the entire period of incident (i.e. periodic inspections) • Contact local neighbours if going to be inundated by rise of water • Area to be restricted to Incident Response Personnel • If any release from site onto unsealed soil/surface water - Environmental Consultants to be engaged to investigate and remediate contamination if any • 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 Controller	<ul style="list-style-type: none"> • 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	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	<p>Internal:</p> <ul style="list-style-type: none"> • Quarry Manager • Senior Environmental Business Partner and / or Environmental Business Partner <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer / respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Consultants to be contacted to advise on required clean-up.
Reporting and re-preparedness	<p>See:</p> <ul style="list-style-type: none"> • GRP-HSEQ-3-02 Incident Reporting Investigation and Action Management • Incident Notification SOP GRP-HSEQ-3-02Incident_Reporting_Investigation_and_Action_Management v3.2.pdf • Review of PIRMP • Review of relevant Management plan • Reporting as per Conditions of consent • Reporting as per EPL • GRP-HSEQ-8-02 Water Management

Incident No 4

Incident #4	<p>Uncontrolled release of Blast fumes and/or odour (NOx) from blast practices causing significant impact to the surrounding community Actions Required:</p> <ul style="list-style-type: none"> • Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) • Area to be restricted to Incident Response Personnel • If prevailing winds pushing blast fume towards neighbours contact them immediately • Ensure blast service provider is aware of situation and advises accordingly
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Quarry Manager
Scale of incident	Incident would be localised to the area with external impact due to prevailing weather conditions
Evacuate	Only if fire or explosion potential exists or staff exposed to fume and health is of concern. Stay indoors. Quarry Manager and any advice provided by Fire Dept. as part of attendance after immediate notification.
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Quarry Manager • Senior Environmental Business Partner and / or Environmental Business Partner <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer / respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Service provider to advise on any clean-up or disposal aspects
Reporting and re-preparedness	<p>See:</p> <ul style="list-style-type: none"> • GRP-HSEQ-3-02 Incident Reporting Investigation and Action Management • Incident Notification SOP GRP-HSEQ-3-02Incident_Reporting_Investigation_and_Action_Management v3.2.pdf • Review of PIRMP • Review of relevant Management plan • Reporting as per Conditions of consent • Reporting as per EPL

Incident No 5

Incident #5	<p>Excessive smoke as a result of infrastructure or equipment fire causing significant and unexpected impact to the community</p> <p>Actions Required:</p> <ul style="list-style-type: none"> • Employees, Contractors/Visitor to notify site representative of issue immediately. (induction) • Emergency response plan to be activated as necessary including firefighting if possible or calling Emergency Services • Area to be restricted to Incident Response Personnel • Contact all relevant people/department (refer to Immediate Reporting Contact Sheet)
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Quarry Manager or supervisor in Quarry Managers absence • Call service provider (Quarry Manager) • Periodic inspections and update reporting of site and surrounding area (Quarry Manager)
Scale of incident	Incident would be localised to the area with minimal external impact. Impact would be visual due to smoke
Evacuate	Only if fire or explosion potential exists or staff exposed to smoke and health is of concern. Stay indoors. Quarry Manager and any advice provided by Fire Dept. as part of attendance after immediate notification.
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Quarry Manager • Senior Environmental Business Partner and / or Environmental Business Partner <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer / respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Service provider to advise on any clean-up or disposal aspects
Reporting and re-preparedness	<p>See:</p> <ul style="list-style-type: none"> • GRP-HSEQ-3-02 Incident Reporting Investigation and Action Management • Incident Notification SOP GRP-HSEQ-3-02Incident_Reporting_Investigation_and_Action_Management v3.2.pdf • Review of PIRMP • Review of relevant Management plan • Reporting as per Conditions of consent • Reporting as per EPL

15. POLLUTION INCIDENT NOTIFICATION LOG

Person undertaking notification (Name/Function):		
Date and time when first become aware of the incident:		
Incident type:		
Comments:		

Initial immediate notification log				
Appropriate Regulatory Authority	Time of call	Respondent's name/function	Approximate call duration	Comments
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:		
Comments:		

Immediate notification of further pertinent information (if applicable)				
Appropriate Regulatory Authority	Time of call	Respondent's name/function	Approximate call duration	Comments
EPA				
Public Health Unit				
Fire and Rescue NSW				
Local Council				
WorkCover				
Other:				
Other:				
Summary of additional communication				

16. IMMEDIATE NOTIFICATION SHEET SUMMARY

Table 8 - Internal Reporting List

INTERNAL NOTIFICATIONS			
Name	Function	Phone number	Mobile number
	Site Manager		
	Quarry Manager		
	Country Operations Manager - South		
	WHS Business Partner		
	Environment Business Partner		

Table 9 - External Reporting List

Government Authority - compulsory notifications	Emergency notification phone number
EPA – Environment Line	131 555
Fire & Rescue NSW (FRNSW)	1300 729 579
Bourke Shire Council – Dwayne Willoughby: Environmental Services	02 6830 8000
Public Health Unit (Greater Western) – Dubbo GW PHU	HealthLink (24 hr)- 1800 063 635 Head Office- Dubbo- 6841 5569
WorkCover Authority of NSW	131050 Company ABN asked: 51 000 187 002
Government Authority - ring if relevant	Emergency notification phone number
Police & Ambulance	000
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 (power line emergencies)	13 23 91
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NOTE: A full listing of contact phone numbers of other potentially relevant government agencies is included in the PIRMP.

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