



# **Pollution Incident Response Management Plan**

**(in case of a pollution event refer to Figure 1)**

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# 1. Introduction

The Pollution Incident Response Management Plan (PIRMP) outlines what the notification and reporting obligations are in response to a pollution incident. Holders of an environmental protection licence (EPL) must prepare and implement a PIRMP in accordance with Section 153A of the *Protection of the Environment Operations Act 1997* (POEO Act). The specific requirements for PIRMPs are set out in Part 5.7A of the POEO Act and the Protection of the Environment Operations (General) Regulation 2009 (POEO(G) Regulation). In summary, this legislation requires the following:

- holders of EPLs must prepare a pollution incident response management plan (section 153A, POEO Act);
- the plan must include the information detailed in the POEO Act (section 153C) and the POEO(G) Regulation (clause 98C) and be in the form required by the POEO(G) Regulation (clause 98B);
- licensees must keep the plan at the premises to which the EPL relates (section 153D, POEO Act); licensees must test the plan at least every 12 months and after a pollution incident in accordance with the POEO(G) Regulation (clause 98E); and
- if a pollution incident occurs in the course of an activity so that material harm to the environment is caused or threatened within the meaning of Part 5.7 of the POEO Act, licensees must immediately implement the plan (section 153F, POEO Act).

As the holder of EPL 563, the Bulga Coal Complex, incorporating Bulga Open Cut and Bulga Underground, is required to comply with the POEO Act; as such, this document has been developed to satisfy the PIRMP requirements documented above. This PIRMP includes the details and procedures for notification of pollution incidents resulting in or having the potential to cause material harm to the environment.

While the intention of a PIRMP is to ensure incidents of material harm are addressed appropriately, this plan also includes notification and reporting procedures for water pollution incidents. The inclusion of water pollution incidents is to ensure those enacting the PIRMP are aware of their follow-up requirements under EPL 563 (revised 4 August 2021) in the event that an incident is deemed to not be material harm. All water pollution incidents as defined by Section 120 of the POEO Act must be reported to the relevant authority.

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

## 1.1 Regulatory Requirements

Specific detail is required for inclusion in the PIRMP. **Table 1** lists information mandated under Section 153C of the POEO Act and clause 98C of the POEO (G) Regulation and details where this information is located in this document.

*Table 1 - Document Directory*

Section 153C	Detail Required	Location in PIRMP
(a)	The procedures to be followed by the holder of the relevant EPL in notifying a pollution incident to:	Section 4.4

Section 153C	Detail Required	Location in PIRMP
	<ul style="list-style-type: none"> <li>(i) The owners or occupiers of premises in the vicinity of the premises to which the EPL relates;</li> <li>(ii) The local authority for the area in which the premises to which the EPL relates are located and any area affected, or potentially affected, by the pollution; and</li> <li>(iii) Any persons or authorities required to be notified by Part 5.7 (of the POEO Act).</li> </ul>	<p>Section 4.3</p> <p>Section 4.3</p>
(b)	A detailed description of the action to be taken, immediately after a pollution incident, by the holder of the relevant EPL to reduce or control any pollution.	Section 3
(c)	The procedures to be followed for co-ordinating, 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 4.3
(d)	Any other matter required by the Protection of the Environment Operations (General) Regulation 2009 (as set out below):	
	<p>98C (1)(a)</p> <p><i>A description of the hazards to human health or the environment associated with the activity to which the licence relates (the “relevant activity”).</i></p>	Section 1.3
	<p>98C (1)(b)</p> <p><i>The likelihood of any such hazards occurring, including details of any conditions or events that could, or would, increase that likelihood.</i></p>	Section 1.3
	<p>98C (1)(c)</p> <p><i>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.</i></p>	Section 1
	<p>98C (1)(d)</p> <p><i>An inventory of potential pollutants on the premises or used in carrying out the relevant activity.</i></p>	Section 1.4
	<p>98C (1)(e)</p> <p><i>The maximum quantity of any pollutant that is likely to be stored or held at particular locations (including underground tanks) at or on the premises to which the licence relates.</i></p>	Section 1.4 Appendix B
	98C (1)(f)	

Section 153C	Detail Required	Location in PIRMP
	<i>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.</i>	<b>Section 1.3</b> <b>Section 3</b>
	<p><i>98C (1)(g)</i></p> <p><i>The names, positions and 24-hour contact details of those key individuals who:</i></p> <p><i>(i) are responsible for activating the plan;</i></p> <p><i>(ii) are authorised to notify relevant authorities under section 148 of the POEO Act, and</i></p> <p><i>are responsible for managing the response to a pollution incident.</i></p>	<b>Section 2.2</b>
	<p><i>98C (1)(h)</i></p> <p><i>The contact details of each relevant authority referred to in section 148 of the POEO Act.</i></p>	<b>Section 4.3 &amp;</b> <b>Section 4.4</b>
<b>(e)</b>	<p><i>98C (1)(i)</i></p> <p><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 out on.</i></p>	<b>Section 4.4</b>
	<p><i>98C (1)(j)</i></p> <p><i>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.</i></p>	<b>Section 3</b>
	<p><i>98C (1)(k)</i></p> <p><i>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.</i></p>	<b>Appendix A</b> <b>Appendix B</b> <b>Appendix C</b> Note: no stormwater drains are located on the premises
	<p><i>98C (1)(l)</i></p> <p><i>A detailed description of how any identified risk of harm to human health will be reduced, including</i></p> <p><i>(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.</i></p>	<b>Section 3</b>

Section 153C	Detail Required	Location in PIRMP
	<p>98C (1)(m)</p> <p><i>The nature and objectives of any staff training program in relation to the plan.</i></p>	Section 5.1
	<p>98C (1)(n)</p> <p><i>The dates on which the plan has been tested and the name of the person who carried out the test.</i></p>	Appendix D
	<p>98C (1)(o)</p> <p><i>The dates on which the plan is updated.</i></p>	Section 7.1
	<p>98C (1)(p)</p> <p><i>The manner in which the plan is to be tested and maintained.</i></p>	Section 5.2

## 1.2 Site Details

Bulga Coal Management Pty Ltd is the holder of EPL 563 for the Bulga Coal Complex (BCC). BCC comprises two coal mining operations being the Bulga Open Cut and the Bulga Underground. The Coal Handling and Processing Plant (CHPP) and rail loading facility are located in the eastern side of the site. In May 2018, Bulga Underground Operations ceased mining and the mine was sealed in July 2018.

The surrounding area which may be impacted by a pollution incident occurring at the BCC in addition to the premises itself includes the following:

- Landholders adjacent to the mine complex (refer to **Appendix A**).
- Downstream water courses (including inundation areas and adjacent landholders) which subsequently flow into the Hunter River:
  - Nine Mile Creek;
  - Loders Creek;
  - Monkey Place Creek; and
  - Wollombi Brook.
- Nearby localities.

## 1.3 Major Hazards

The potential major hazards relevant to this PIRMP which have been identified for the BCC include:

- Spills (e.g. hydrocarbon, hazardous chemicals, etc) resulting in land contamination;
- Spills (e.g. hydrocarbon, hazardous chemicals, saline or sediment laden water, etc) resulting in water contamination;
- Major water discharge (for example dam or pipeline failure);
- Fire (for example spontaneous combustion fires associated with coal stockpiles); and

- Explosions (for example blasting activities).

The likelihood of environmental hazards occurring at the BCC has been captured through the Environment and Community Broad Brush Risk Assessment (E&C BBRA), with the management of impacts prioritised according to the level of risk each aspect is assigned. The BBRA is conducted annually in accordance with **GCAA-625378177-2844 Risk Management**.

The BCC implements a site specific risk procedure (**BULOC-1104430715-2200 Risk Management**) developed to help identify, assess and manage risks to persons, property, the environment and the community.

The identification, assessment and management of foreseeable catastrophic (core) hazards is undertaken in accordance with Glencore Protocol **GCAA-625378177-13271 Catastrophic Hazards**.

This process includes:

- Identifying foreseeable hazards associated with operations at the BCC;
- Assessing sustainable development risks using recognised analysis and evaluation methodologies; and
- Implementing controls necessary to eliminate or reduce identified catastrophic (core) risks in accordance with the established hierarchy of controls for environmental management.

## 1.4 Chemicals and Potential Pollutants

All chemicals at the BCC are included in a central register ChemAlert available on the site intranet. All chemicals are accompanied by the relevant Safety Data Sheets as required by work health and safety regulations. Safety Data Sheets are also stored on ChemAlert and include Personal Protective Equipment (PPE) required for handling the chemical.

The facilities that store fuel, oil, hazardous chemicals and dangerous goods have been designed in accordance with *Australian Standard (AS) 1940 – 2017* and *AS 1596 - 2014*. Maximum inventories of hazardous materials at BCC are listed in the Notification of Hazardous Chemicals on Premises (Acknowledgement NDG018992) issued by SafeWork NSW.

Explosives at BCC are stored in licensed explosive magazines in accordance with NSW SafeWork requirements. The Licence to Store Explosives XSTR100095 for the Bulga Open Cut covers the storage of these materials.

Potential pollutants created as part of mining operations, and thus excluded from stores registers, include:

- Mine tailings;
- Mine water (extracted from both underground and open cut mine workings);
- Sediment laden surface water runoff from disturbed areas; and
- Effluent waste.

These materials are in a constant state of flux as a result of mining operations. Risks associated with these potential pollutants are incorporated into the risk register detailed above.

**Appendix B** and **Appendix C** display the location of potential pollutants including tailings dams, sediment dams, pipelines, and fuel storage locations.

## 2. Management and Responsibilities

### 2.1 Legal Duty to Notify

BCC employees and contractors are responsible for alerting management personnel to all environmental incidents or hazards which may result in an environmental impact, regardless of the nature or scale.

Notification responsibilities are detailed in the *POEO Act 1997* (Section 148), which encompasses all site personnel, including contractors and sub-contractors. These can be categorised broadly as:

- The duty of employee or any person undertaking an activity:  
Any person engaged as an employee or undertaking an activity (at the BCC) must, immediately after becoming aware of any incident that is believed to cause or threaten to cause material harm to the environment, notify their relevant manager of the incident and all relevant information about it. This is to be undertaken as per **Section 4.3**; and
- The duty of the employer or occupier of a premises to notify:  
An employer or occupier of the premises on which the incident occurs, who is notified (or otherwise becomes aware of) a pollution incident, must undertake notification to the appropriate regulatory authority of any “material harm incidents”, including relevant information. Notification shall be undertaken by the Environment and Community Manager or delegate as per **Section 4.3**.

### 2.2 PIRMP Management

The specific responsibilities associated with the management and implementation of the PIRMP are outlined in **Table 2**.

*Table 2 - PIRMP Management Responsibilities*

Name	Contact Details	Position	Responsibility
Ralph Northey	0418 439 874	Environment and Community Manager – Bulga Complex	Responsible for undertaking notification as defined in this PIRMP.  Responsible for managing the response to a pollution incident.  Responsible for arranging testing and updating of the PIRMP.  Responsible for notification and training of PIRMP.  Responsible for coordinating communications with affected community members.
Murray Gregson	0447 886 810	Operations Manager – Bulga Complex	Responsible for authorising the PIRMP and all subsequent updates.



Name	Contact Details	Position	Responsibility
			Responsible for providing adequate resourcing for implementation of the PIRMP.  Authorised to liaise with the relevant authority.  Implementation of the PIRMP.
Open Cut Dispatch	6570 2484		To provide assistance and alert other people who may be in the vicinity of any incident.

### 3. Incident Management

A pollution incident is defined in the POEO Act as “an incident or set of circumstances during or as a consequence of which there is or is likely to be a leak, spill or other escape or deposit of a substance, as a result of which pollution has occurred, is occurring or is likely to occur. It includes an incident or set of circumstances in which a substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of any noise.”

In the case of an environmental incident, prior to any other action, the site must contact Fire and Rescue (000) if the incident presents an immediate threat to human health or property. Fire and Rescue NSW are the first responders, as they are responsible for controlling and containing incidents. Where there is no threat to human health or services, Fire and Rescue NSW must still be contacted for information purposes, but as the last point of contact as detailed in **Section 4.3**.

All possible actions should be taken to control the pollution incident in order to minimise health, safety and environmental consequences. These actions, to the maximum extent possible, aim to:

- Provide for the safety of people at and within the vicinity of the site; and
- Contain the pollution.

In accordance with **BULOC-1104430715-2299 Hazard and Incident Management Procedure**, the actions to be implemented at the BCC in the event of an incident include the following:

1. Secure the scene and contain the incident
2. Determine if notification is required – refer to **Figure 1**.
3. Gather information (i.e. environmental monitoring)
4. Determine the investigation level
5. Commence an ICAM (if required)
6. Review and classify information and determine actions
7. Complete actions
8. Trend analysis reports

The emergency and incident response procedure is outlined in **BULOC-1104430715-1210 Emergency Management Plan**. The Emergency Management Plan outlines the roles and accountabilities of key

personnel in the event of an emergency. Contact details for the incident management team are available on sharepoint on the **BULOC-1104430715-475 Bulga Incident Management Team Contact List**.

Incident management at the BCC focuses on actions to:

- Secure and assign necessary tactical response resources, including equipment and/or personnel, to minimise the environmental impacts associated with the incident;
- Establish that tactical response operations are carried out in a safe, well organised, legal and effective fashion;
- Provide for the safety and welfare of all responders, employees, contractors and visitors;
- Continuously assess the incident to determine the adequacy of tactical response operations and the need for assistance from the GCAA Crisis Management Team;
- Manage stakeholders arriving at site;
- Minimise effects on people, the environment, property, production, and company reputation;
- Implement an environmental monitoring program to quantify impacts as a result of the incident as well as to be used as the basis to notify adjacent landholders and downstream water users as to whether avoidance or remediation measures are required; and
- Interact, as appropriate, with GCAA personnel.

With regards to the specific major hazards identified in **Section 1.3**, the following emergency procedures have been developed:

Spills (e.g. hydrocarbon, hazardous chemicals, tailings etc) resulting in land and or water contamination;

- **BULOC-1104430715-26364 Emergency Response Manual**; and
- **BULOC-1104430715-26087 North Pit Tailings and Return Water – Leaking Pipe – Trigger Action Response Procedure**

Major water discharge (for example dam failure);

- **BULOC-1104430715-26373 Surge Dam Safety Emergency Plan**;
- **BULOC-1104430715-25261 Northern Water Dam – Dam Emergency Plan**;
- **BULOC-1104430715-26831 Northern Tailings Storage Facility - Emergency Response Plan**;
- **BULCX-2103827161-4402 Water Management Plan**; and
- **BULCX-2103827161-7624 Erosion and Sediment Control Plan**.

Fire (for example, spontaneous combustion fires associated with coal stockpiles) and explosions (for example blasting activities);

- **BULOC-1104430715-26364 Emergency Response Manual**;
- **BULOC-1104430715-730 Spontaneous Combustion Management Plan**;
- **BULOC-1104430715-3353 Fire and Explosion Management Plan**;
- **BULOC-1104430715-27253 Gas Drainage Fire and Explosion Management Plan**; and
- **BULOC-1104430715-25385 Orica Bulga Plan – Emergency Plan**.

All BCC employees and contractors receive emergency preparedness and response training during their site familiarisation induction. The BCC maintains a dedicated emergency response team who undergo regular training and operational drills. Controls of personal protective equipment and incident containment and control equipment are detailed in safety data sheets for chemicals of concern, the relevant management plan detailed above and in the risk assessment documents listed in **Section 1.3**. These include but are not necessarily limited to:

- emergency spill kits, which are stored adjacent to major fuel storage locations (as shown in **Appendix C**);
- portable pumping infrastructure;
- earth moving plant;
- floating booms and silt curtains; and
- erosion and sediment control materials.

The BCC has limited authority to undertake pollution management activities on private property, or outside the site boundary and in such cases will liaise directly and provide appropriate assistance to the relevant authority and emergency services.

## 4. Notification Procedures

### 4.1 Determination of Material Harm

Following containment of the incident, immediate action must be taken to determine if the incident can be classified as a 'material harm incident', i.e. considered to be causing or threatening material harm. As defined by Section 147 of the POEO Act, a material harm incident has occurred if the incident:

- involves **actual or potential harm** to the health or safety of human beings or to ecosystems that is not trivial; or
- results in actual or potential loss (including all 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) or property damage of an amount, or amounts in aggregate, exceeding \$10,000.00 (or such other amount as is prescribed by the regulations).

It is possible for a **material harm incident** to occur on land that is within the boundary of the EPL.

The determination of a **material harm incident** will be made by the Operations Manager in consultation with the Environment and Community Manager. If the Operations Manager is not available immediately, the determination will be made by the Environment and Community Manager.

In the event of an incident, response and notification must be undertaken as per **Figure 1**, which contains the following important information:

- the local authority for the area in which the premises to which the EPL relates;
- the persons and authorities to be notified by Part 5.7 of the POEO Act; and
- the contact details of each relevant authority referred to in section 148 of the POEO Act.

After initial notification of any material harm incident, it will be the responsibility of the Environment and Community Manager to liaise with any authority listed in **Table 3** that requests additional

information, or is providing directions for management of the material harm incident. This may include incident investigation reports and ongoing environmental monitoring results.

## 4.2 Reportable Water Pollution Incidents

As defined by Section 120 of the POEO Act, a reportable pollution of waters is placing in or on, or otherwise introducing into or onto, waters (whether through an act or omission):

- any matter, whether solid, liquid or gaseous, so that the physical, chemical or biological condition of the waters is changed;
- any refuse, litter, debris or other matter, whether solid or liquid or gaseous that is likely to make the water unclean, noxious, poisonous or impure, and detrimental to the health, safety or welfare of persons, animals, aquatic life, birds, or livestock;
- any matter that is of a prescribed nature, description or class that does not comply with any standard prescribed in respect of that matter; and
- placing any matter in or in a position where it may fall, descend, be washed into the path of water (creek, drain, gutter) thus polluting the waters.

'Prescribed matter' which the above definition has been based on can be found in **Appendix E**.

Following a pollution of waters incident, the Environment and Community Manager/delegate must report the details as per condition R4 of EPL 563, schedule 5 condition 7 of SSD 4960 and schedule 6 condition 7 of DA 376-8-2003 through:

- Telephone communication to the EPA Environment Line on 131 555 immediately;
- Provide written details of the notification to the DPE via the Major Projects Portal immediately; and
- Provide written details of the notification to the EPA at [hunter.region@epa.nsw.gov.au](mailto:hunter.region@epa.nsw.gov.au) within 7 days of notification.

## 4.3 Internal and External Notification

As discussed in **Section 2.1**, notification of an environmental incident is the responsibility of all site and contractor personnel. In the instance of identification of an environmental incident or hazard, personnel will report the issue immediately to their manager or Task Coordinator, who in turn shall report it immediately to the Environment and Community Manager, or any member of the environmental team. Immediately is taken to mean 'promptly and without delay'<sup>1</sup>.

<sup>1</sup> EPA, *Frequently Asked Questions Regarding the Duty to Notify of a Pollution Incident* (last updated 18 June 2013) < <http://www.epa.nsw.gov.au/legislation/poefaqnotify.htm> >

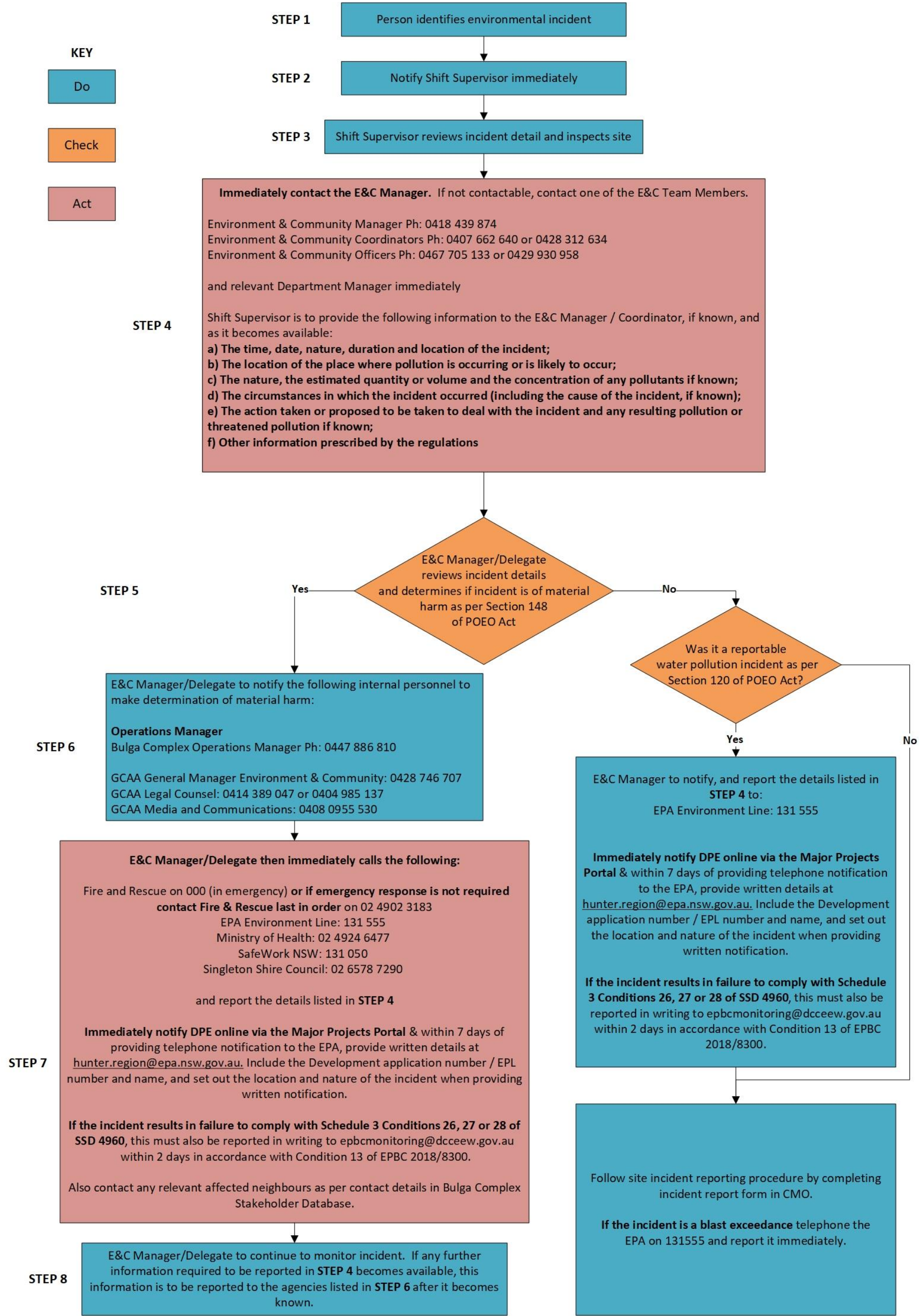
Table 3 - Notification Contacts

Agency	Contact Details
Fire and Rescue	If the incident presents an immediate threat to human health or property and emergency services are required: <b>000</b>  If emergency response is not required (contact Fire and Rescue last in order): <b>(02) 4902 3183</b>
EPA	<b>131 555</b>

Agency	Contact Details
Ministry of Health	Work Hours: <b>(02) 4924 6477</b> After Hours: <b>(02) 4924 6477</b> (Diverts to John Hunter Hospital – ask for Public Health Officer on call)
SafeWork NSW	<b>13 10 50</b>
Singleton Shire Council	<b>(02) 6578 7290</b>



Figure 1: Environmental Incident Response Notification Flow Chart



In the instance of identification of an environmental incident or hazard, the personnel will report the issue immediately to their Shift Supervisor/Task Coordinators, who in turn shall report it to the Environment and Community Manager, or any member of the environmental team.

Immediately is taken to mean 'promptly and without delay'. The decision on whether to notify of the incident in accordance with Part 5.7 of the POEO Act should not delay immediate actions to provide the safety of people or contain a pollution incident. However, incident notification will be made as soon as it is safe to do so<sup>2</sup>.

In addition to being detailed in this document, procedures for undertaking internal and external notification are included in:

- **BULCX-2103827161-3082 Environmental Management Strategy** (in Section 7);
- **BULOC-1104430715-2299 Hazard and Incident Management Procedure**; and
- **BULOC-1104430715-1210 Emergency Management Plan**.

## 4.4 Notification of Local Landholders and Community

Community notification shall be undertaken at the determination of the Environment and Community Manager and may be based on environmental monitoring results. Names and contact details of stakeholders, including local and downstream residents are included in the Consultation Manager database. The following notification methodology is proposed to be utilised as required:

**Early warnings:** same day telephone notification to landholders whom may be affected by the incident over the subsequent 24 hour period.

**Updates:** follow up phone calls to all landholders who may have been notified by the initial early warning. Updates are to be provided to the broader local community in affected areas via information sheets or newsletters, Community Consultative Committee meetings, Bulga Coal Complex website, media statements or any other strategy as defined in the **BULCX-2103827161-7715 Social Performance Management Plan**.

Information provided to the community will be relevant to the incident and may include the following details:

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

Should a blast fume cloud leave site and have the potential to impact on the village of Broke and surrounds, the Broke School (02 6579 1040) and Broke Mobile Pre-School (0428 237 951) will be notified by the Environment and Community Manager to enable them to bring the children inside should it continue to move towards the Village.

Similarly should a Blast fume cloud leave site and have the potential to impact on the village of Milbrodale, the Milbrodale School (02 6574 5163) will be notified by the Environment and Community Manager to enable them to bring the children inside should it continue to move towards the Village.

Should a blast fume cloud leave site and have the potential to impact on the surrounding community a notification of the event will be posted on the Broke Notice Board Facebook page.

<sup>2</sup> EPA, *Frequently Asked Questions Regarding the Duty to Notify of a Pollution Incident* (June 2013) <<http://www.epa.nsw.gov.au/legislation/poefaqsnofity.htm>>

## 5. Training, Testing and Communication

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### 5.1 Training

All personnel affected by the content of this document will receive instruction or explanation on the relevant parts of the document as per **BULOC-1447843615-2330 Training and Competency Management Plan**.

Incident management and emergency response shall be included in all GCAA Generic and Bulga Coal Complex site inductions.

Additionally, routine training exercises may be undertaken which involve the emergency response team responding to a simulated emergency, but may also include expanded simulations that involve other (or all) site personnel, the Bulga Incident Management Team and external response agencies (Ambulance, Fire, Mines Rescue etc).

All training records, including the name of the person undertaking training and date of training, shall be maintained in compliance with **BULOC-1104430715-2381 Document and Records Procedure**.

### 5.2 Testing, Review and Maintenance

The testing of the PIRMP will be undertaken to check that the information is accurate and current and that the plan is capable of being implemented in a workable and effective manner. Testing shall be undertaken in the following ways:

1. The PIRMP will be tested by assessing and reviewing it and making any necessary changes as identified. Testing is taken to be either a desktop review or an environmental emergency drill procedure.
2. A review of the PIRMP will occur every 12 months commencing from the date of authorisation by the BCC Environment and Community Manager. Contact details in this document must be kept current at all times.
3. The PIRMP will be reviewed within one month from the date of any pollution incident that occurs in the course of an activity to which the EPL relates. This review will be undertaken in light of the incident, to provide the information included in the plan is accurate and up to date and the plan is still capable of being implemented in a workable and effective manner.

Records will be kept in accordance with **BULOC-1104430715-2381 Document and Records Procedure** and will be included in **Appendix D** of this plan.

Information regarding testing includes:

- The manner in which the test was undertaken;
- Dates when this plan has been tested;
- The person who carried out the testing; and
- The date and description of any update of or amendment to the plan (**Section 7.1**).



## 5.3 Availability of the PIRMP

The PIRMP shall be kept in written form at the EPL premises and shall be made available to all personnel responsible for implementing the plan, and to an authorised officer (as defined in the POEO Act) on request.

The PIRMP will be made publicly available within 14 days of finalisation (taken to be authorisation of the PIRMP by the Bulga Coal Environment and Community Manager) via the Bulga Coal Complex website, in a prominent position and on a publicly available page.

No personal information (within the meaning of the Privacy and Personal Information Protection Act 1998) will be made publicly available as part of the PIRMP.

## 6. Accountabilities

Table 4 - Accountabilities for the PIRMP

Role	Accountabilities for this document
<b>Operations Manager</b>	Authorising the PIRMP and all subsequent updates Ensuring adequate resourcing for implementation of the PIRMP Authorised to liaise with relevant authorities
<b>Environment &amp; Community Manager</b>	Undertaking notification as defined in this PIRMP Managing the response to a pollution incident Arranging testing and update of PIRMP Ensuring notification and training of PIRMP Coordinating communications with affected community members
<b>Environment &amp; Community Coordinator / Officer</b>	Undertaking notification as defined in this PIRMP Coordinating the response to a pollution incident Facilitation of training provided to site personnel in the implementation of this PIRMP Communication of the requirements of this PIRMP to site personnel

## 7. Document Information

Relevant legislation, standards and other reference information must be regularly reviewed and monitored for updates and should be included in the site management system. Related documents and reference information in this section provides the linkage and source to develop and maintain site compliance information.

## 7.1 Change Information

Full details of the document history are recorded in the document control register, by version. A summary of the current change is provided in **Table 5** below.

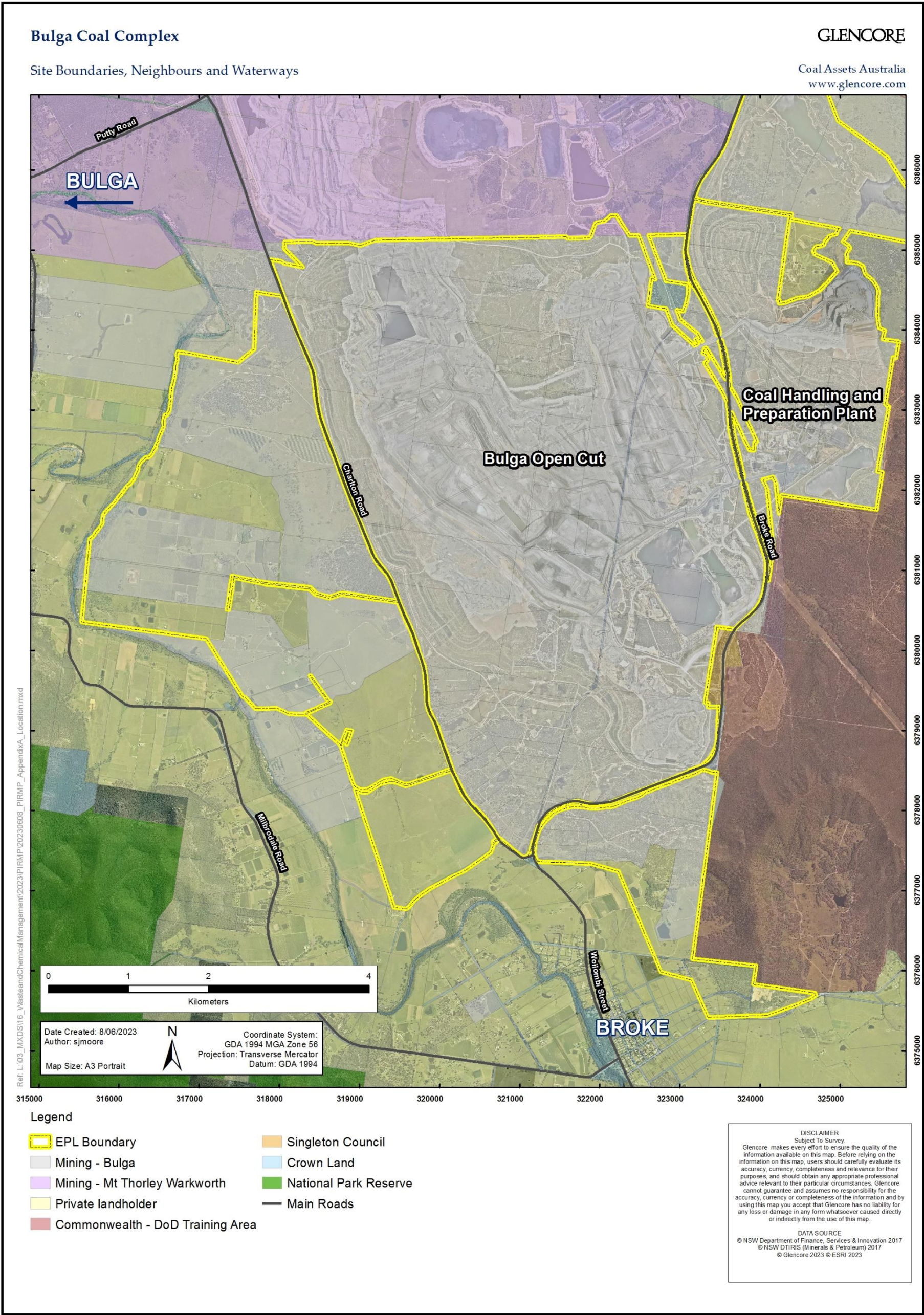
*Table 5 - Change Information*

Version	Date	Review Team	Change Summary
<b>0.1</b>	10/10/2012	Lucy Stuart	Updating document references, including procedures, contacts and Figures.
<b>0.2</b>	05/02/2013	Lucy Stuart	Updating contact lists and minor Figure amendments.
<b>0.3</b>	09/08/2013	Joel Jelbart Lucy Stuart	Updated Figure 5.1 Environmental Incident – Response – Notification Flow Chart.
<b>0.4</b>	27/08/2014	Martin Salm Paul Amidy	Review and update Contacts, Appendices, links and document references.
<b>0.5</b>	17/09/2015	Ned Stephenson Ralph Northey	Update of document references, contact details and location maps.
<b>0.6</b>	06/06/2016	Ned Stephenson	Update of document references, contact details and location maps.
<b>0.7</b>	29/09/2016	Teegan Hayward	Added local schools contact details to section 4.3.
<b>1.0</b>	14/7/2017	Keith Simkin	Update of template, document references, contact details and location maps.
<b>2.0</b>	20/02/2018	Teegan Hayward	Update mobile numbers in Figure 4.1 and Table 4.1 Change version numbers in Change Information table to reflect SharePoint version numbers.
<b>3.0</b>	23/04/2018	Sarah Moore	Update of document references, contact details and location maps.
<b>4.0</b>	17/04/2019	Sarah Moore	Update of document references, contact details and location maps following the desktop review.
<b>5.0</b>	14/10/2019	Sarah Moore Ralph Northey	Review following incident. Update of document references, content, maps and external contact details following the desktop review.
<b>5.1</b>	23/01/2020	Jake Hawkins	Added section 4.2 'Reportable Water Pollution Incidents', revised Figure 4.1 – Incident – Response – Notification – Flow chart, and operations manager details.
<b>5.2</b>	04/05/2020	Jack Caldwell	Review following incident. Internal contacts in Figure 4-1 were updated.

Version	Date	Review Team	Change Summary
6.0	17/11/2020	Scott Wolfenden Ralph Northey	Revised environmental emergency response procedures and pollution source figures following annual test.
7.0	12/10/2021	Sarah Moore Ralph Northey	Put document into new sharepoint template. Update of document references, contact details and location maps following the desktop review.
8.0	22/06/2022	Sarah Moore Ralph Northey	Review following incident. Updated document references, contact details and location maps.
9.0	08/06/2023	Sarah Moore Ralph Northey	Update of document references, contact details and location maps following the desktop test. Also updated the flow chart.



Appendix A - Site Location and Surrounding Areas



Number: BULCX-2103827161-7635

Owner: Coordinator - Environment & Community

Status: Approved

Version: 9.0

Effective: 16/06/2023

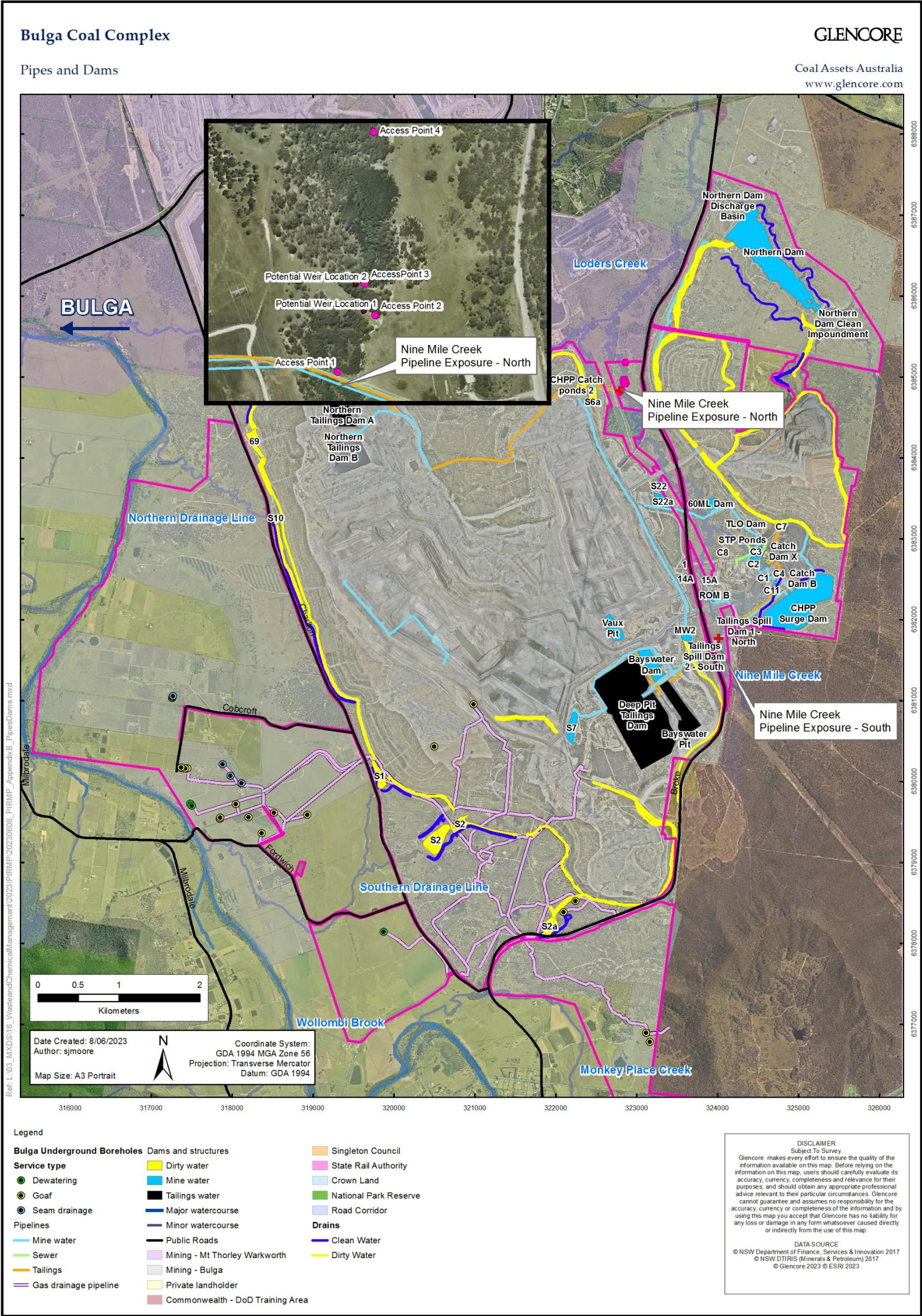
Review: 16/06/2024

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Appendix B - Potential Pollutant Sources – Pipelines and Dams



Number: BULCX-2103827161-7635

Owner: Coordinator - Environment & Community

Status: Approved

Version: 9.0

Effective: 16/06/2023

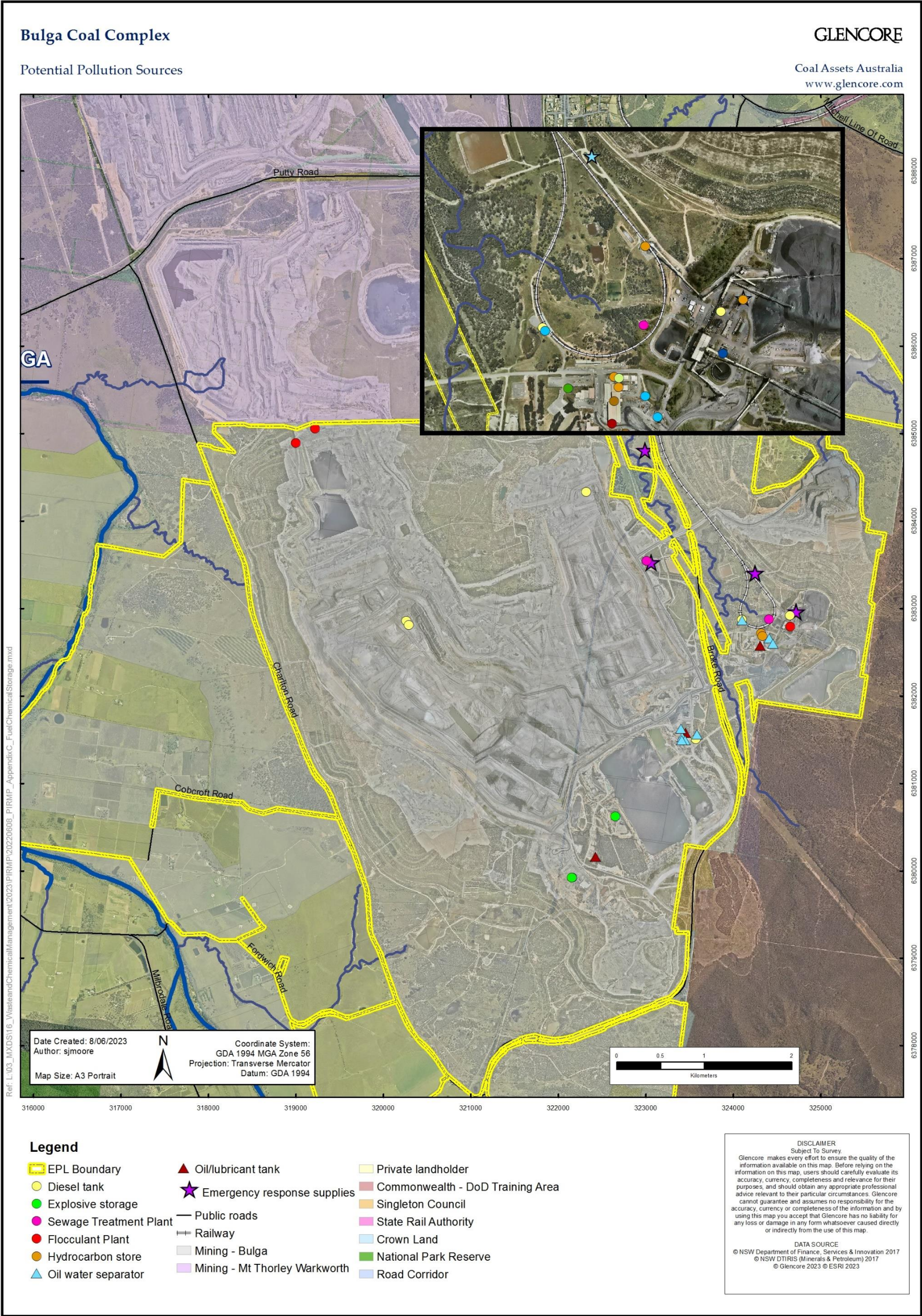
Review: 16/06/2024

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Appendix C - Potential Pollutant Sources – Fuel and Chemical Storage



Number: BULCX-2103827161-7635

Owner: Coordinator - Environment & Community

Status: Approved

Version: 9.0

Effective: 16/06/2023

Review: 16/06/2024

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## Appendix D - PIRMP Testing History

Date	Review Team	Nature of the Test	Actions
10/10/2012	Lucy Stuart	Desktop review	Updated document references, contacts and figures
30/05/2013	Ned Stephenson, Trescinda French	Filed simulation of ruptured mine water pipeline	Updated PIRMP contacts list, training of CROs in the PIRMP, added pipeline layer to PIRMP figure
27/08/2014	Paul Amidy, Martin Salm	Desktop review	Review and update Contacts, Appendices, links and document references.
25/09/2014	Ned Stephenson	Desktop review	Updated references, updated figures, placed copy of PIRMP on Open Cut intranet
27/09/2015	Ned Stephenson, Ralph Northey	Desktop review	Update of document references, contact details and location maps
27/04/2016	Ned Stephenson Keith Simkin	Desktop review	Updated external contacts, removed appendix 4 internal contacts updated figures to reflect property changes and BOP dirty water system, updated references
29/09/2016	Ralph Northey Scott Wolfenden Teegan Hayward	Desktop review following incident	Added local schools contact details to Section 4.3
16/05/2017	Keith Simkin	Desktop review	Update to template, contact details and location maps
23/04/2018	Sarah Moore	Desktop review	Update of document references, contact details and location maps.
17/04/2019	Sarah Moore	Desktop review	Update of document references, contact details and maps following the desktop review.
14/10/2019	Sarah Moore Ralph Northey	Desktop review following incident	Review following incident. Update of document references, content, maps and external contact details following the desktop review.

Date	Review Team	Nature of the Test	Actions
04/05/2020	Jack Caldwell	Desktop review following incident	Update of internal contacts following the desktop review.
26/10/2020	Scott Wolfenden Ralph Northey	Environmental incident response simulation	Added reference to Northern Tailings Storage Facility Emergency Response Plan and revised potential pollution sources maps.
12/10/2021	Sarah Moore	Desktop Review	Update of template, document references, contact details and location maps.
22/06/2022	Sarah Moore Ralph Northey	Desktop Review following incident	Review following incident. Updated document references, contact details and location maps.
08/06/2023	Sarah Moore Ralph Northey	Desktop Review	Updated document references, contact details and location maps. Also updated the flow chart.



## Appendix E - Prescribed Matter for the Pollution of Water

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- a) animal matter of any description, including (but not limited to) carcasses of animals, parts or remains of animals, offal, flesh and bones,
- b) plant matter of any description, including (but not limited to) vegetable or fruit wastes, leaves, grass, trees, wood, sawdust, shavings, chips, bark or other forest products or refuse,
- c) ashes, soil, earth, mud, stones, sand, clay or similar inorganic matter,
- d) washings or spoil from any mineral processing or extractive operation, from any dredging operation or from any other industrial, agricultural or commercial activity,
- e) ballast,
- f) excreta, manure or urine, or any waste from an on-site human waste storage facility or treatment device or any matter that contains faecal coliform or faecal streptococci,
- g) matter of an infectious nature,
- h) scrap metal, glass, junk, paper, plastic, rubbish, vehicles or vehicle tyres, any industrial waste and any refuse of any other description,
- i) oil, grease or flammable liquid of any description,
- j) thermal waste (being any liquid which, after being used in or in connection with any activity, is more than 2 degrees Celsius hotter or colder than the water into which it is discharged),
- k) matter that causes biochemical or chemical oxygen demand,
- l) liquid that contains suspended or dissolved solids,
- m) gas other than oxygen,
- n) methylene blue active substance,
- o) matter that has a pH value of less than 6.5 or more than 8.5,
- p) any pesticide (within the meaning of the *Pesticides Act 1999*),
- q) radioactive substances or poisonous substances of any description,
- r) substances classified as dangerous goods under the Transport of Dangerous Goods Code (within the meaning of Schedule 1 to the Act),
- s) substances listed in Schedule 10 to the *Sydney Water Act 1994*,