

# POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

HERA MINE AND  
FEDERATION MINE



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# 1. INTRODUCTION

## 1.1. Background

Hera Resources Pty Ltd (Hera Resources), a wholly owned subsidiary of Aurelia Metals Limited (Aurelia), owns and maintains Hera Mine, an underground metalliferous mine, approximately 100km southeast of Cobar and 4km south of Nymagee in the central west of New South Wales (NSW). Hera Resources operated Hera Mine from 2014 until it entered care and maintenance in early 2023. (**Figure 1**)

The Federation Project (the Project) is the proposed development of an underground metalliferous mine located approximately 15 kilometres (km) south of the Nymagee township and 10km south of Hera Mine. High grade mineral deposits were discovered at the Federation site in 2019 with subsequent drilling operations identifying a substantial gold-lead-zinc-copper-silver mineral resource.

This Pollution Incident Response Management Plan (PIRMP) has been prepared in response to amendments to the Protection of the Environment Legislation Amendments 2011 as set out in Part 5.7A of the Protection of the Environment Act 1997 (POEO Act) in accordance with the Environmental Planning and Assessment Act 1979 (EPA Act). The purpose of this PIRMP is to detail:

- **SPECIFIC** measures implemented to minimise the risk of an incident occurring due to spillage, storage of hazardous materials or fire;
- **INVENTORY** of potential pollutants on site;
- **MINIMUM** safety equipment requirements;
- **COMMUNICATION** with the community;
- **MINIMISING** harm to persons;
- **TRAINING** and awareness of personnel; and
- **REVIEW** of the PIRMP through desktop trials / mock incidents.

The Company has a number of management plans in place that complement the PIRMP and will also assist with pollution management. These include:

- Air Quality and Greenhouse Gas Management Plan;
- Blast Management Plan;
- Emergency Management Plan;
- Hazardous Materials Management Plan;
- Mine Safety Management Plan;
- Waste Rock Management Plan; and
- Water Management Plan.

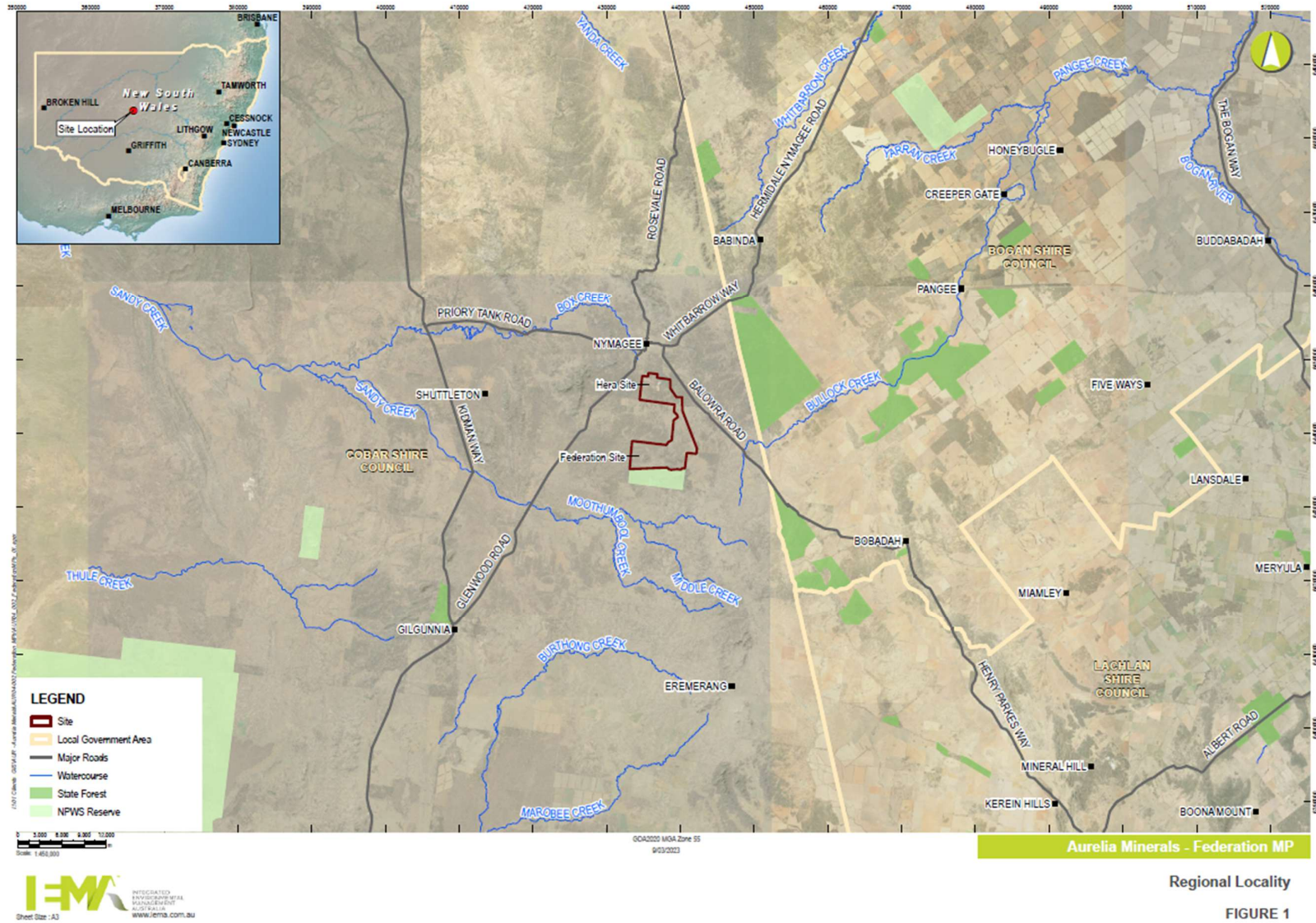


Figure 1 Location of Hera and Federation Gold Mines.



## 2. ENVIRONMENTAL MANAGEMENT

This section describes the legal requirements, objectives and outcomes, personnel roles and responsibilities and the necessary training and awareness required to ensure the management and prevention of pollution incidents.

### 2.1. Legal and other requirements

As defined in the POEO Act, a 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 reported if there is a risk of ‘material harm to the environment’, which is defined in Part 5.7 of the POEO Act and replicated in **Table 1**.

**Table 1 Requirements as per Part 5.7 POEO Act**

Condition No.	Condition
<b>Duty to Notify Pollution Incidents</b>	
147 Meaning of material harm to the environment	<ol style="list-style-type: none"> <li>1. For the purpose of this Part:               <ol style="list-style-type: none"> <li>a) Harm to the environment is material if:                   <ol style="list-style-type: none"> <li>i. It involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial; or</li> <li>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</li> </ol> </li> <li>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.</li> </ol> </li> <li>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</li> </ol>
148 Pollution incidents causing or threatening material harm to be notified	<ol style="list-style-type: none"> <li>1. Kinds of incidents to be notified: This Part applies where a pollution incident occurs in the course of an activity so that material harm to the environment is caused or threatened.</li> <li>2. Duty of person carrying on activity to notify: A person carrying on the activity must, immediately after the person becomes aware of the incident, notify each relevant authority of the incident and all relevant information about it.</li> <li>3A. Duty of employee engaged in carrying on activity to notify: A person engaged as an employee in carrying on an activity must, immediately after the person becomes aware of the incident, notify the employer of the incident and all relevant information about it. If the employer cannot be contacted, the person is required to notify each relevant authority.</li> <li>3B. Duty of employer to notify: Without limiting subsection (2), an employer who is notified of an incident under subsection (3A) or who otherwise becomes aware of a pollution incident which is related to an activity of the employer, must, immediately after being notified or otherwise becoming aware of the incident, notify each relevant authority of the incident and all relevant information about it.</li> <li>4. Duty of occupier of premises to notify: The occupier of the premises on which the incident occurs must, immediately after the occupier becomes aware of the incident, notify each relevant authority of the incident and all relevant information about it.</li> <li>5. Duty of an employer and occupier to ensure notification: An employer or occupier of premises must take all reasonable steps to ensure that, if a pollution incident occurs in carrying on the activity of the employer or occurs on the</li> </ol>

Condition No.	Condition
	<p>premises, as the case may be, the persons engaged by the employer or occupier will, immediately, notify the employer or occupier of the incident and all relevant information about it.</p> <p>6. Extension of duty to agents and principals. This section extends to a person engaged in carrying on an activity as an agent for another. In that case, a reference in this section to an employer extends to such an agent and a reference to an employer extends to the principal.</p> <p>7. Odour not required to be reported. This section does not extend to a pollution incident involving only the emission of an odour.</p> <p>8. Meaning of “relevant authority” In this section: relevant authority means any of the following:</p> <ol style="list-style-type: none"> <li>The appropriate regulatory authority;</li> <li>If the EPA is not the appropriate regulatory authority – the EPA;</li> <li>If the EPA is the appropriate regulatory authority – the local authority for the area in which the pollution incident occurs;</li> <li>The Ministry of Health</li> <li>The SafeWork NSW; and</li> <li>Fire and Rescue NSW</li> </ol>
149 Manner and form of notification	<ol style="list-style-type: none"> <li>If the regulations prescribe the manner or form of notifying pollution incidents under section 148, the notification is to conform to the requirements of the regulations.</li> <li>Without limiting subsection (1), the regulations: <ol style="list-style-type: none"> <li>may require that verbal notification be followed by written notification; and</li> <li>may provide that notification to a designated person or authority is taken to be notification to the relevant person or authority under section 148.</li> </ol> </li> </ol>
150 Relevant information to be given	<ol style="list-style-type: none"> <li>The relevant information about a pollution incident required under section 148 consists of the following: <ol style="list-style-type: none"> <li>The time, date, nature, duration and location of the incident; The location of the place where pollution is occurring or is likely to occur;</li> <li>The nature, the estimated quantity or volume and the concentration of any pollutants involved, if known;</li> <li>The circumstances in which the incident occurred (including the cause of the incident, if known);</li> <li>The action taken or proposed to be taken to deal with the incident and any resulting pollution or threatened pollution, if known; and</li> <li>Other information prescribed by the regulations.</li> </ol> </li> <li>The information required by this section is the information known to the person notifying the incident when the notification is required to be given.</li> <li>If the information required to be included in a notice of a pollution incident by subsection (1) (c), (d) or (e) is not known to that person when the initial notification is made but becomes known afterwards, that information must be notified in accordance with section 148 immediately after it becomes known.</li> </ol>
151 Incidents not required to be reported	<ol style="list-style-type: none"> <li>A person is not required to notify a pollution incident under section 148 if the person is aware that the incident has already come to the notice of each person or authority required to be notified.</li> <li>A person is not required to notify a pollution incident under section 148 if the incident is an ordinary result of action required to be taken to comply with an environment protection licence, an environment protection notice or other requirement of or made under this Act.</li> </ol>
151A EPA may require other notification of pollution incidents.	<ol style="list-style-type: none"> <li>This section applies to the occupier of premises where a pollution incident has occurred in the course of an activity so that material harm to the environment is caused or threatened.</li> <li>The EPA may direct a person to whom this section applies to notify such other persons of the incident as the EPA requires.</li> <li>The direction is not required to be given in writing.</li> <li>The direction may specify the manner or form of notifying the pollution incident and the information that must be provided.</li> <li>The direction may require that an initial verbal notification be followed by written notification.</li> <li>A person must not fail to comply with a direction given under this section.</li> </ol>



Condition No.	Condition
	<ol style="list-style-type: none"> <li>7. This section does not extend to a pollution incident involving only the emission of an odour</li> <li>8. If a direction under this section is given to a person who is carrying out an activity, is engaged as an employee in carrying out an activity, or is the employer of such a person, the obligations under this section are in addition to, and not in derogation of, the obligations under section 148 (except as provided by section 151 (1)).</li> </ol>
152 Offence	<p>A person who contravenes this Part is guilty of an offence. Maximum penalty:</p> <ol style="list-style-type: none"> <li>a) In the case of a corporation—\$2,000,000 and, in the case of a continuing offence, a further penalty of \$240,000 for each day the offence continues; or</li> <li>b) In the case of an individual—\$500,000 and, in the case of a continuing offence, a further penalty of \$120,000 for each day the offence continues.</li> </ol>
153 Incriminating information	<ol style="list-style-type: none"> <li>1. A person is required to notify a pollution incident under this Part even though to do so might incriminate the person or make the person liable to a penalty.</li> <li>2. Any notification given by a person under this Part is not admissible in evidence against the person for an offence or for the imposition of a penalty.</li> <li>3. Subsection (2) does not apply to evidence obtained following or as a result of the notification.</li> </ol>

A requirement for holders of an Environmental Protection Licence (EPL) is to prepare, keep, test and implement a PIRMP. The PIRMP must comply with the requirements listed in **Table 2** (Part 5.7A of the POEO Act.)

This Management Plan will be made publicly available within 14 days of completion.

Table 2 Requirements as per Part 5.7A POEO Act

Condition No.	Condition
<b>Duty to Prepare and Implement Pollution Incident Response Management Plans.</b>	
153A Duty of licence holder to prepare pollution incident response management plan	<p>The holder of an Environmental 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. Maximum penalty:</p> <ol style="list-style-type: none"> <li>a) In the case of a corporation—\$1,000,000 and, in the case of a continuing offence, a further penalty of \$120,000 for each day the offence continues; or</li> <li>b) in the case of an individual—\$250,000 and, in the case of a continuing offence, a further penalty of \$60,000 for each day the offence continues.</li> </ol>
153B EPA may direct other persons to prepare pollution incident response management plan	<ol style="list-style-type: none"> <li>1. The EPA may, in accordance with the regulations, require the occupier of premises at which industry is carried out to prepare a Pollution Incident Response Management Plan that complies with this Part in relation to activities at the premises.</li> <li>2. A person must not fail to comply with such a requirement. Maximum penalty: <ol style="list-style-type: none"> <li>a) In the case of a corporation - \$1,000,000 and, in the case of a continuing offence, a further penalty of \$120,000 for each day the offence continues; or</li> <li>b) in the case of an individual—\$250,000 and, in the case of a continuing offence, a further penalty of \$60,000 for each day the offence continues.</li> </ol> </li> </ol> <ol style="list-style-type: none"> <li>1. The regulations may take provision for or respect to: <ol style="list-style-type: none"> <li>a) The class or classes of premises, or industries carried out at premises, that may be the subject of a requirement to prepare a Pollution Incident Response Management Plan; and</li> <li>b) The circumstances in which some or all premises within those classes may be the subject of a requirement to prepare a Pollution Incident Response Management Plan.</li> </ol> </li> </ol>
153C Information to be included in the plan	<p>A Pollution Incident Response Management Plan must be in the form required by the regulations and must include the following:</p> <ol style="list-style-type: none"> <li>a) The procedures to be followed by the of the relevant Environmental Protection Licence, or the occupier of the relevant premises, in notifying a pollution incident to:</li> </ol>

Condition No.	Condition
	<ul style="list-style-type: none"> <li>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</li> <li>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</li> <li>iii. Any persons or authorities required to be notified by Part 5.7.</li> </ul>
	<ul style="list-style-type: none"> <li>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;</li> <li>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 the persons through whom all communications are to be made; and</li> <li>d) Any other matter required by the regulations</li> </ul>
153D Keeping of plan	<p>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 Environmental Protection Licence relates, or where the relevant activity takes place, and is made available in accordance with the regulations. Maximum penalty:</p> <ul style="list-style-type: none"> <li>a) In the case of a corporation - \$1,000,000 and, in the case of a continuing offence, a further penalty of \$120,000 for each day the offence continues; or</li> <li>b) In the case of an individual - \$250,000 and, in the case of a continuing offence, a further penalty of \$60,000 for each day the offence continues.</li> </ul>
153E Testing of plan	<p>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. Maximum penalty:</p> <ul style="list-style-type: none"> <li>a) In the case of a corporation - \$1,000,000 and, in the case of a continuing offence, a further penalty of \$120,000 for each day the offence continues; or</li> <li>b) In the case of an individual - \$250,000 and, in the case of a continuing offence, a further penalty of \$60,000 for each day the offence continues.</li> </ul>
153F	<p>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. Maximum penalty:</p> <ul style="list-style-type: none"> <li>a) In the case of a corporation - \$2,000,000 and, in the case of a continuing offence, a further penalty of \$240,000 for each day the offence continues; or</li> <li>b) In the case of an individual - \$500,000 and, in the case of a continuing offence, a further penalty of \$120,000 for each day the offence continues.</li> </ul>

## 2.2. Objectives and Outcomes

**Table 3** lists the objectives and outcomes for pollution incident management on the Mine.

Table 3: Objectives and Outcomes

Objective	Outcome
Make sure comprehensive and timely communication about a pollution incident is carried out with staff at the premises, the Environmental Protection Authority and other relevant authorities and any community members which may be impacted by the incident	Development and implementation of a communication plan and correct execution of communication plan
Minimise and control the risks of a pollution incident at the site by identifying risks and develop actions to minimise and manage the risks	Develop a site-based risk / hazard assessment and mitigation measures
Make sure the Pollution Incident Response Management Plan is properly implemented and identifies personnel responsible for implementing it, and ensuring that the plan is regularly tested for accuracy, currency and suitability	A comprehensive and up to date Pollution Incident Response Management Plan

## 2.3. Roles and Responsibilities

**Table 4** lists the roles and responsibilities for the Pollution Incident Response Management Plan.

**Table 4: Roles and Responsibilities**

Position	Accountable Tasks
Project Director	<ul style="list-style-type: none"> <li>Ensure the resources are available for the implementation of this Pollution Incident Response Management Plan; and</li> <li>Accountable for the overall environmental performance of the Project, including the outcomes of this Pollution Incident Response Management Plan</li> </ul>
Environmental Adviser	<ul style="list-style-type: none"> <li>Ensure the implementation of this Pollution Incident Response Management Plan;</li> <li>Ensure the onsite induction includes environmental awareness training; and</li> <li>Ensure Managers and Superintendents are provided with sound environmental advice to effectively manage their areas of responsibility.</li> </ul>
All personnel	<ul style="list-style-type: none"> <li>Ensure adequate understanding of chemical storage, spill action plan, appropriate waste disposal and prevention of fires;</li> <li>Ensure sound knowledge of site emergency evacuation procedure;</li> <li>Report all pollution incidents to their supervisors and the Environment Advisor; and</li> <li>Seek environmental advice as required.</li> </ul>

## 2.4. Competence and Awareness Training

All site personnel will complete the site induction program before entering site.

The Emergency Response Team will be trained in handling hazardous material products and emergency response. Specific procedures for training employees in environmental safety and health are included in the Emergency Management Plan. This management plan is available to all site personnel.

# 3. IMPLEMENTATION OF POLLUTION MANAGEMENT

## 3.1. Site Information

### 3.1.1. Site Details

There are 2 sites, Hera and Federation located across 2 joined properties approximately 10kms apart on Burthong Road, Nymagee, NSW, 2831 (Figure 1).

### 3.1.2. Surrounding Land Uses

The Mine is situated in a rural area, bounded by Burthong Road/Nymagee to Condobolin Road, with private property forming the remaining boundaries. (Figure 1 **Figure 2**)

### 3.1.3. Surrounding Sensitive Environments

No endangered ecological communities or populations were recorded or are predicted to occur within the surrounds of the Mine. There are no continual flowing creeks in or within the surrounds of the site.

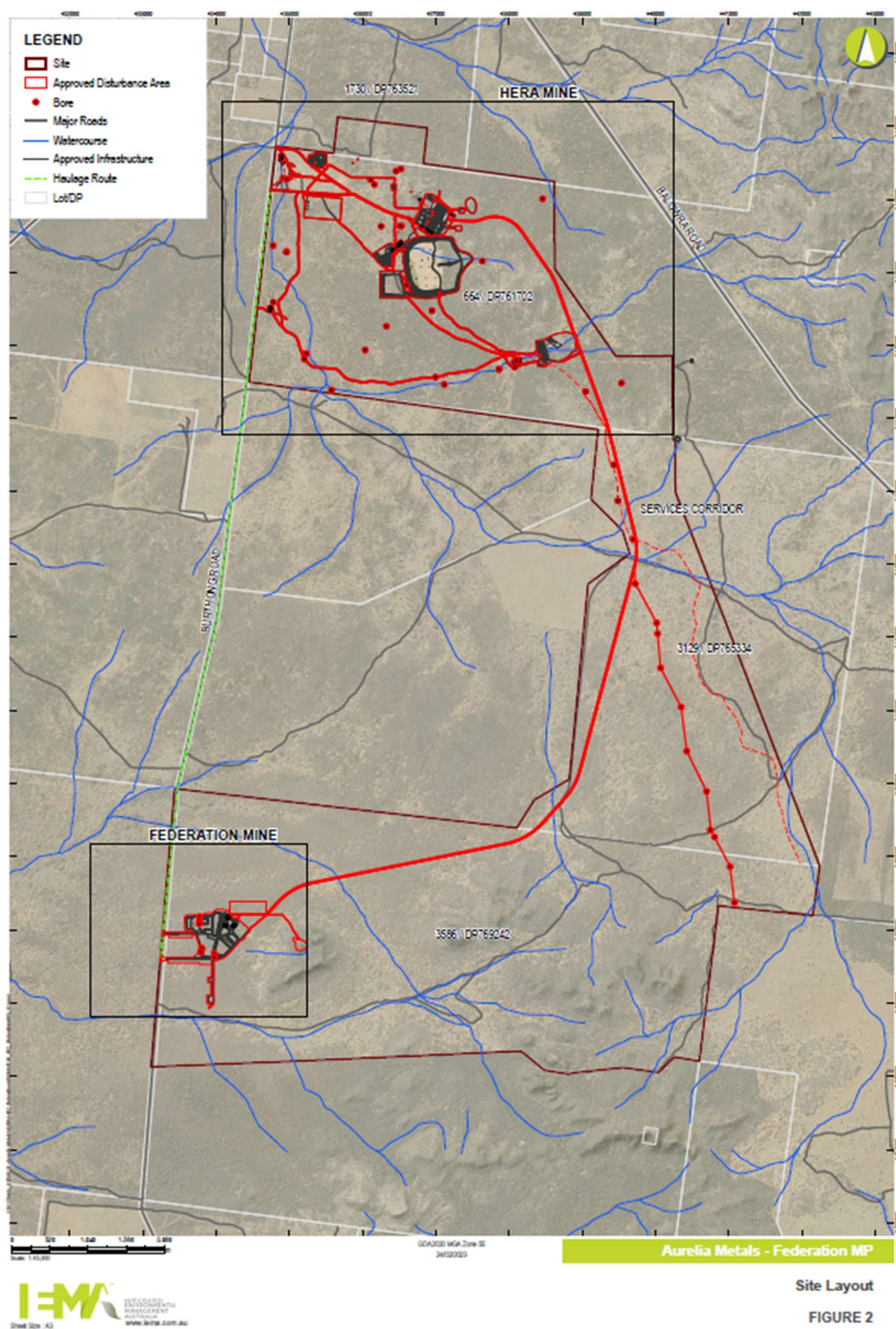


Figure 2: Site Layout and zoning

### 3.2. Description and Likelihood of Hazards (Risk Analysis)

The major hazards which have been identified for the site are listed in **Table 5**. The likelihood of these potential hazards occurring has been captured using the methodology defined in **Table 6**. A Risk Management Procedure (AUR-C-WHS-PRO-134) has been developed to establish, implement and maintain a risk management program to facilitate the associated risks and the elimination or control of risks as low as reasonably practical and the review of control measures.

Table 5: Hazards and their likelihood.

Hazard	Hazardous Event	Likelihood	Events that could increase likelihood
Fuel	Fuel Tank / bottle leak	Unlikely	Valves damaged – punctured; fire; bunding damage
Hazardous Chemical Storage	Hazardous chemical leak / spill	Unlikely	Storage or bunding damage; natural disaster
Fire	Uncontrollable fire	Unlikely	Bushfire; damaged power lines
Saline Water	Spill or Leak	Possible	Pipe damaged or punctured.
Tailings Storage Facility	Discharge from Tailings Storage Facility	Rare	Natural disaster

Table 6: Methodology used to determine likelihood.

	Occurrence (Likelihood)	Description
A	Rare	May happen in exceptional circumstances. Doubt it could happen in the present or changing environment. Conceivable but highly improbable.
B	Unlikely	May happen within the life of the mine
C	Possible	May happen within the next few years
D	Likely	May happen within the life of the mine
E	Almost Certain	Is expected to occur in the next 6 months



### 3.3. Inventory of Pollutants

Schedule 11 hazardous chemicals at the site are detailed in (Error! Reference source not found.). The storage location of each substance has been identified in (Error! Reference source not found. **a and 3b**). All chemicals are accompanied by their Safety Data Sheets (SDS) as required by work, health and safety regulations. The facilities that store hazardous chemicals have been designed in accordance with Australian Standards.

Table 7: Dangerous Goods, Hazardous Substances and Chemical Reagents

#### Manifest of Schedule 11 Hazardous Chemicals

<b>Person conducting the business or undertaking (PCBU):</b>	Aurelia Metals Ltd - Hera Resources Ltd
<b>Address of premises:</b>	"The Peak" 353 Burthong Road, Nymagee, NSW 2831
<b>Date of preparation:</b>	10 November 2023

#### Emergency Contacts

Name	Position	Telephone
Mark Williams	Environmental Superintendent	0447 257 312
Travis Carter	Mine Manager	0482 563 599
Todd Whitla	Processing Manager – Cobar Region	0437 934 535
Angus Wylie	General Manager – Cobar Region	0447 654 576

#### Hazardous Chemicals Stored in Bulk Containers

Storage area	Proper shipping name	UN No.	Class/Division	PG	Type	Typical quantity
HCS 1	Diesel	00C1	C1	III	Above ground tank (Hera)	30,000L
HCS 2	Diesel	00C1	C1	III	Above ground tank (Federation)	67,000L
HCS 3	Diesel	00C1	C1	III	Above ground tank (Federation)	30,000L





Figure 3a: Site Plan of Schedule 11 Hazardous substances Hera.



Figure 4b: Site Plan of Schedule 11 Hazardous substances Federation.

## 4. PRE-EMPTIVE AND CONTROL MEASURES

### 4.1. Health and Safety

Before responding to a pollution incident, health and safety risks are to be identified and assessed by suitably qualified personnel. Any relevant risk assessment that has been developed shall be followed in the event of an emergency. If the site is required to be evacuated because of a pollution event, evacuation procedures and muster points are detailed in the Emergency Management Plan (AUR-H-WHS-MPL-256).

The Muster point is the front boom gate of the Hera Mine and the Federation Mine.

All health and safety issues will be managed by the Work, Health and Safety Advisor.

### 4.2. Spill Response

**Figure 5** details the Hera Spill Action Plan.

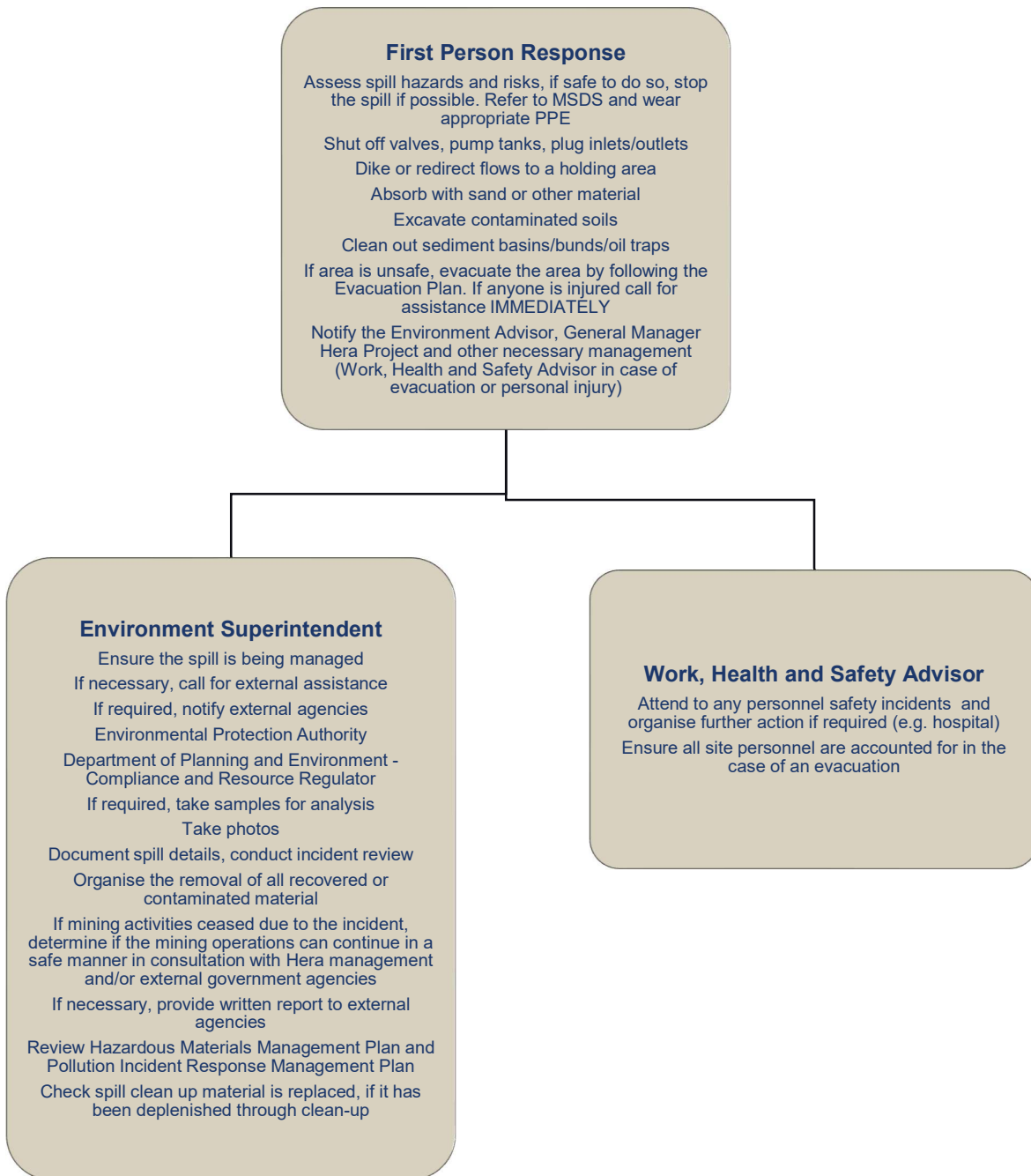


Figure 5: Spill Action Plan

### 4.3. Pollution Control Measures

Preventative and mitigation controls established at the site are detailed in the sections below.

#### 4.3.1. Fuel

- All diesel fuel is stored in self-bunded tanks;
- A compacted refuelling area is located adjacent to the fuel tanks;
- All fuel storage is bunded to ensure 110% of the largest liquids stored can be captured within the bund;
- Spill kits are located at all fuel storages; and
- SDS are located at the fuel storages or within the site workshop.

#### 4.3.2. Hazardous Chemical Storage of liquids

- Bund all liquid storage areas – ensure 110% of the largest liquids stored can be captured within the bund;
- Ensure bunds are pumped out following rain and liquid disposed of via licenced contractor.
- Ensure chemicals have appropriate transport, handling, storage and application procedures to prevent chemical spillage;
- Store minimum volume of chemicals onsite as per requirement for the ongoing operation of the Mine;
- Personnel who use chemicals would be provided with the appropriate training in handling techniques;
- Ensure records are kept of water quality checks, discharges and any remedial actions taken;
- Where possible, install containment measures such as sandbags, booms, earth bunds or cut drains to capture and retain spilled material and prevent it from leaving site, entering watercourse or impacting on vegetation stands;
- All bulk oils, greases and waste oils are stored within or in close proximity to the site workshop; and
- The Emergency Response Team will be trained in clean-up of chemical / hazardous material spills.

#### 4.3.3. Tailings Storage Facility

- The Tailings Storage Facility (TSF) is designed to ensure the seepage of leachate through the walls or floor of the structure is minimised to the greatest extent practical. This is achieved by excavating to bedrock creating a relatively impermeable floor (to achieve a permeability of no less than  $1 \times 10^{-9}$  m/s to a depth of at least 600 mm of clay (or equivalent)); and

#### 4.3.4. Water Pipeline – Federation/Hera

The pipeline connecting Hera and Federation is used to transfer water from the Federation Mine de-watering dam and Hera TSF for evaporation. The mine water is generally saline (9000 to 12000  $\mu\text{S}/\text{cm}$ ) with elevated pH (8.5-10).

The below measures would be taken to minimise the risk of spillage to the environment in the event of damage or pipe failure:

- Leak detection system alert system;
- Emergency stop fitted to the pump.

#### 4.3.5. Fire

Fires may be ignited as a result of truck accidents during transport of chemicals, vehicle collisions, equipment failure, use of electrical equipment, overhead power lines and grass fires in adverse weather conditions (hot and dry). Specific emergency response plans are detailed in the Emergency Management Plan (AUR-F-WHS-PLN-040). The below measures would be taken to minimise the risk of fires:

- Firefighting equipment is available on site to facilitate an immediate response to a fire incident and help ensure the safety of public and property including fire extinguishers in all vehicles;
- Fire procedures are detailed in the Mine Safety Management Plan – Hera (AUR-H-WHS-MPL-421);
- Equip personnel and vehicles involved in such activities with firefighting and safety gear;

- Construct fire breaks and tracks along the site boundary, around the site camp accommodation and offices;
- Conducting regular reviews and inspections of firefighting equipment to ensure it is operational; and
- Site Emergency Response Team will be trained in how to combat fires.

## 5. EMERGENCY RESPONSE

### 5.1. Communication Plan

This section describes the communication plan to be undertaken with the relevant agencies and community in the event of a notifiable pollution incident that has the potential to cause harm to people or the environment. Emergency procedures have been developed in accordance with *Hazardous Industry Planning Advisory Paper No. 1 – Emergency Planning* (DoP, 2002).

#### 5.1.1. Government Agencies

Table 8 presents the agencies to be contacted in order and what stage in the event of a notifiable pollution incident.

Table 8: Government Agency Contacts

Trigger	Agency	Contact Details
An incident that presents an immediate threat to human health or property	Fire and Rescue NSW	Call 000
	NSW Police	
	NSW Ambulance Service	
An incident that: <ul style="list-style-type: none"> <li>• Does not require an initial combat agency; or</li> <li>• Once the 000 call has been made</li> </ul> Notify the relevant authorities in the following order	Environment Protection Authority	Environment Line 131555
	NSW Health	Dubbo Base Hospital (02) 6809 6809
	SafeWork NSW	Phone 13 10 50
	Cobar Shire Council	Business Hours (02) 6836 5888 After Hours 0437 471 470
	Department of Planning and Environment – Compliance	1300 305 695
	Department of Regional - NSW Resources Regulator	1300 814 609
	Dams Safety NSW	0403 681 645
	Natural Resources Access Regulator	1800 633 362
<b>Note:</b> Complying with these notification requirements does not remove the need to comply with any other obligations for incident notification, for example, those that apply under other environment protection legislation or legislation administered by SafeWork NSW.		

### 5.1.2. Community

Table 9 presents a summary of the methods of communication, the general warning that may be provided and what phase would apply under that circumstance if a notifiable pollution incident occurs.

Table 9: Community Communication Plan

Source of Risk	Method of Communication <sup>1</sup>	Warning provided	Stage
Discharge of Hydrocarbons, Chemicals or Reagents	Telephone Text message Email Letter box drop Door knocking Community representatives	General warning to downstream residents to avoid the use of water in creeks.	Alert phase if pollution incident involves onsite discharge only. Operational phase if pollution incident involves offsite discharge. Stand down phase when the incident has been controlled and there is no harm present.
Discharge of chemical or saline-laden water	Telephone Text message Email Letter box drop Door knocking Community representatives	General warning to downstream residents to avoid use of water in creeks (depending on scale of discharge)	Alert phase if pollution incident involves onsite discharge only. Operational phase if pollution incident involves offsite discharge. Stand down phase when the incident has been controlled and there is no harm present.
Discharge of sediment-laden water	Telephone Text message Email Letter box drop Door knocking Community representatives	General warning to downstream residents to avoid use of water in creeks if water appears cloudy.	Alert phase if pollution incident involves onsite discharge only. Operational phase if pollution incident involves offsite discharge. Stand down phase when the incident has been controlled and there is no harm present.
Discharge of Tailings material associated with a catastrophic failure of the Tailings Storage Facility	Public announcements - Radio - Television - Loudspeaker Telephone Text message Email Letter box drop Door knocking Community representatives	General warning to downstream residents to avoid use of water in creeks. Specific warning to evacuate high risk properties (if required).	Standby phase if evidence of failure of Tailings Storage Facility. Callout phase if actual failure of Tailings Storage Facility. Clean-up phase once discharge stabilised.
Discharge of gaseous material to air as a result of the gold room furnace scrubbing system.	Telephone Text message Email Letter box drop Door knocking Community representatives	General warning to Nymagee residents to keep windows and doors closed and report any respiratory symptoms.	Alert phase if pollution incident involves harm to people. Operational phase if pollution incident involves risk of harm to people.
Discharge of particulate material to air as a result of the failure or under performance of proposed dust control measures.	Telephone Text message Email Letter box drop Door knocking Community representatives	General warning to Nymagee residents regarding higher dust levels within the vicinity of the Mine.	Alert phase if pollution incident involves harm to people. Operational phase if pollution incident involves risk of harm to people. Stand down phase when the incident has been controlled and there is no harm present.

Note<sup>1</sup>: The company has established a communication database to identify individuals preferred method of communication.

Table 10 presents the residents of neighbouring properties that are to be contacted in the event of an incident.



Table 10: Residents of Neighbouring Properties

Neighbour	Contact
Matthew Nicholson	0429 373 841
Jannene Dunne	0427 373 667
Malcolm Harris	0447 002 630
Lois Harrison	0438 197 105
Ken & Anita Burcher	0438 683 626
Phillip Harley	0427 373 506

### 5.1.3. Phases, Roles and Responsibilities

This section identified the phases and responsibilities for the Mine personnel for the implementation of the emergency response procedures in the event of a notifiable pollution incident. In summary, the phases to be implemented include the following:

- **Alert Phase** – Monitor incident;
- **Stand by Phase** – Prepare state of readiness if incident has the potential to escalate;
- **Call out Phase** – Activate the emergency response procedures;
- **Clean up Phase** – Clean up when area declared safe; and
- **Stand Down Phase** – Deploy response and implement a de-briefing and review of the Hazardous Materials Management Plan and emergency response procedures.

**Table 11** presents the anticipated key management positions that will be responsible for any pollution incident response. All Health and Safety issues will be managed by the Health and Safety Advisor.

### 5.1.4. Evacuation Plan

The following evacuation procedure will be implemented in the event of an incident that will cause harm to the environment and people:

1. Employers will be given notification either verbally or by mobile/two-way radio;
2. All employees will be evacuated to the carpark outside the surface facility area gate (**Appendix 1**);
3. An employee will be assigned to the front of the property to keep out unauthorised persons;
4. The surface facility area gate will be locked after all employees have been accounted for; and
5. A sign will be placed on the front gate declaring the area contaminated.

Table 11: Key Management Responsibilities.

Roles	Phase	Responsibility
Position: General Manager 24hr contact details: 0447 654 576	Alert	Must ensure adequate resources are available to enable implementation of emergency response procedures. Review and monitor reported incident.
	Stand-By	Give direction to notify the responsible personnel of the incident and prepare for a state of readiness if incident has the potential to escalate or is a notifiable incident.
	Call Out	Notify all relevant agencies (Error! Reference source not found.) of the detail of the pollution incident. Activate the community communication plan (Error! Reference source not found.). Control the overall situation and coordinate activities and resources.

Roles	Phase	Responsibility
Position: Mine Manager 24hr contact details: 0482 563 566		Determine the priority of actions of employees until agencies and emergency services arrive and liaise with relevant agencies as required. Ensure that perimeters are established and access to the site is controlled.
	Clean Up	Give direction to clean up the incident following advice that the area is declared safe.
	Stand Down	Give direction to Stand Down following satisfactory management of the incident.
	Alert	As soon as aware, advise the General Manager of a pollution incident. Monitor reported incident.
	Stand-By	Notify the responsible personnel of the incident and prepare for a state of readiness if incident has the potential to escalate or is a notifiable incident.
	Call Out	If the General Manager cannot be contacted, activate the emergency response procedures in the event of a pollution incident. Notify all relevant agencies (Error! Reference source not found.) of the detail of the pollution incident. Activate the community communication plan (Error! Reference source not found.). Control the overall situation and coordinate activities and resources. Determine the priority of actions of employees until agencies and emergency services arrive and liaise with relevant agencies as required. Ensure that perimeters are established and access to the site is controlled.
	Clean Up	Monitor the situation and following confirmation that the area is safe, advise the General Manager.
	Stand Down	Give direction for a de-briefing and review of the emergency response procedures.
	General	Ensure that this Emergency Management Response is tested every 12 months. Ensure this Pollution Incident Response Management Plan is reviewed as identified in <b>Section 7</b> . Ensure a hard copy is retained on site.
	Alert	As soon as aware, advise the Project Director of a pollution incident. Monitor the reported incident.
Position: Environment Superintendent 24hr Contact details: 0447 257 312	Stand-By	Prepare for state of readiness when directed to by the Project Director.
	Call Out	If neither the General Manager nor Mine Manager can be contacted, activate the emergency response procedures in the event of a pollution incident response. Contact the community and implement the required warning system (Error! Reference source not found.). Provide owners and occupiers of land updates of any spill incidents as required.
	Clean Up	Assist with clean-up of the incident when advised that area is safe.
	Stand Down	Coordinate and manage de-briefing and review as directed by the General Manager.
	General	Ensure employees are competent in environmental management through training and awareness programs. Ensure visitors and contractors are inducted and aware of emergency pollution incident management procedures. Take photos of the incident if considered safe to do so.

Roles	Phase	Responsibility
All personnel	All	<p>Ensure that all accidents, incidents and potential incidents are appropriately investigated.</p> <p>As soon as aware advise supervisor of a pollution incident. In the absence of the supervisor, advise the Environment Superintendent. In their absence advise the Mine Manager or General Manager.</p> <p>If safe to do so, undertake spill response procedures as outlines in Figure 4.</p>

## 6. MANAGEMENT PLAN MONITORING AND REVIEW.

### 6.1. Incident Reporting

In the event that an investigation concludes there are exceedances of the relevant trigger values which is directly attributed to activities associated with the Mine, the event will be reported within 24 hours to the Environmental Protection Agency, Department of Planning and Environment – Compliance and the Resources Regulator. Depending on the nature of the incident, notification may be required to the Natural Resources Access Regulator, Division of Water and/or the relevant Council. Within seven days of the incident, the company will submit a detailed written report.

Environmental incident reports must include the following information:

- The time, date, location, nature and duration of the incident;
- The location of the place where the environmental harm has, or is likely to occur;
- The potential and / or observed impacts of the incident;
- The circumstances in which the incident occurred (including the cause of incident, if known);
- The action taken or proposed to be taken to deal with the incident and any resulting environmental harm;
- Any actions that have, or will be, taken to deal with the incident and any resulting environmental harm; and
- Any actions that have, or will be, taken to prevent similar incidents from occurring in the future.

Additional Information (such as photos, monitoring data, plans etc.) should be included in the report if relevant.

### 6.2. Testing the Plan

This management plan will be tested at least once every 12 months to ensure that the information contained within the plan is accurate and up to date, and that the plan is capable of being implemented in a workable and effective manner.

The primary method for testing the plan will be via desktop simulation which will be supplemented by periodic exercises or drills.

## 7. REVIEW

This management plan will be reviewed post every desktop simulation trial or once per annum.

## 8. APPENDICE

Appendix 1 – Incident Notification Record Sheet

INCIDENT NOTIFICATION RECORD SHEET (To be used when reporting incidents externally)	
Date:	Time:
Name of person notifying:	
Position of person notifying:	
Location of incident:	
Nature of incident (type of incident, estimated quantities/concentrations):	
Actions being taken or proposed to be taken:	
Other information provided:	
Follow up required: Y/N	
Details:	

**Authorities notified.**

Trigger	Agency	Contact Details
An incident that presents an immediate threat to human health or property	Fire and Rescue NSW	Call 000
	NSW Police	
	NSW Ambulance Service	
An incident that: <ul style="list-style-type: none"> <li>Does not require an initial combat agency; or</li> <li>Once the 000 call has been made</li> </ul> Notify the relevant authorities in the following order	Environment Protection Authority	Environment Line 131555
	NSW Health	Dubbo Base Hospital (02) 6809 6809
	SafeWork NSW	Phone 13 10 50
	Cobar Shire Council	Business Hours (02) 6836 5888 After Hours 0437 471 470
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	Department of Regional NSW – Resources Regulator	1300 814 609
	Dams Safety NSW	0403 681 645
	Natural Resources Access Regulator	1800 633 362
<u>Note:</u> Complying with these notification requirements does not remove the need to comply with any other obligations for incident notification, for example, those that apply under other environment protection legislation or legislation administered by SafeWork NSW.		

**Neighbouring properties notified.**

Neighbour	Contact
Matthew Nicholson	0429 373 841
Jannene Dunne	0427 373 667
Malcolm Harris	0447 002 630
Ken & Anita Burcher (Four Corners Farm Stay)	0438 683 626
Lois Harrison	0438 197 105
Phillip Harley	0427 373 506