MALABAR

MAXWELL UNDERGROUND MINE

POLLUTION INCIDENT RESPONSE MANAGEMENT PLAN

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1 INTRODUCTION

1.1 Background

Maxwell Ventures (Management) Pty Ltd (Maxwell), a wholly owned subsidiary of Malabar Resources Limited (Malabar) owns and operates the Maxwell Underground Mine (the site). The site is located in the Upper Hunter Valley of New South Wales (NSW), east-southeast of Denman and south-southwest of Muswellbrook. The site is approved to extract a maximum of 8 million tonnes of run-of-mine coal per year over a period of 26 years. The site boundary is shown in **Figure 1**.

The site consists of the following areas:

- Underground area comprising the proposed area of underground mining operations and the mine entry area (MEA) to support underground mining and coal handling activities and provide for personnel and materials access;
- Maxwell Infrastructure (formerly Drayton mine) comprising previous open cut mining areas, existing coal handling and preparation plant, train load-out facilities and rail loop, Antiene rail spur and other infrastructure and services; and
- Transport and services corridor between the underground area and Maxwell Infrastructure comprising the proposed site access road, covered overland conveyor, power supply and other ancillary infrastructure and services.

The area within and surrounding the site, which has previously been known as Mt Arthur South, Saddlers Creek and Drayton South, has long been identified as having a significant in-situ coal resource. Prospecting for coal commenced in the late 1940s, with exploration intensifying during the 1960s and 1970s. Open cut coal extraction and mining activities commenced at Maxwell Infrastructure in 1983 and ceased in October 2016. The previous open cut mining area is currently in the rehabilitation phase of the mine operations.

The development consent for State Significant Development 9526 (SSD 9526) was granted on 22 December 2020 under clause 8A of the *State Environmental Planning Policy (State and Regional Development) 2011* and section 4.5(a) of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

The development consent was modified on 19 November 2021 (Maxwell MOD 1) to allow for the repositioning of infrastructure primarily at the MEA and realignment of a section of the site access road. The development consent was further modified (Maxwell MOD 2) on 19 October 2022 to allow for the following:

- Re-orientation of the longwall panels in the Woodlands Hill, Arrowfield and Bowfield Seams resulting in a minor increase in the approved underground mining extent.
- Reduction in the width of some of the longwall panels in the Woodlands Hill Seam.
- Repositioning of the upcast ventilation shaft site and associated infrastructure.
- Other minor works and ancillary infrastructure components (e.g. access road and ancillary water management infrastructure for the repositioned ventilation shaft site).

Another modification was made to the development consent (Maxwell MOD3) on 22 September 2025 to allow for the transfer of tailings from Mt Arthur Coal to the Maxwell UG Mine East Void, and tailings and coarse rejects from the Maxwell CHPP to the North Void.

The site also incorporates the development formerly authorised under the Maxwell Infrastructure Project Approval (PA) 06_0202. Development Consent DA 106-04-00 for the existing rail loop and Antiene Rail Spur was granted on 2 November 2000 under Section 76(A)9 and 80 of the EP&A Act. DA 106-04-00 was modified on 18 September 2023 (Antiene MOD1) to align with the approved operating life of the Maxwell Underground Mine (i.e. until 2047).

1.2 Purpose

The purpose of this Pollution Incident Response Management Plan (PIRMP) is to describe the way pollution incidents are reported and managed. This document has been prepared in accordance with the requirements of the Protection of the Environment Operations Act 1997 (POEO Act), the *Protection of the Environment Operations (General) Regulation 2009* (POEO(G) Regulation) and the Environmental Protection Authority's (EPA) *Environmental guidelines: Preparation of pollution incident response management plans* (EPA, 2012).

1.3 Scope

This PIRMP applies to all activities within the SSD 9526 development application area and the Antiene Rail Spur Development Consent DA 106-04-00 boundary.

1.4 Objectives

The objectives of this plan are to:

- Detail the procedures for notification of pollution incidents resulting in or having the potential to cause material harm to the environment.
- Ensure comprehensive and timely communication about a pollution incident to workers at the premises, the EPA, other relevant authorities specified in the POEO Act and people outside the facility who may be affected by the impacts of the pollution incident.
- Minimise and control the risk of a pollution incident at the facility by requiring identification of risks and the development of planned actions to minimise and manage those risks.
- Ensure that the plan is properly implemented by trained workers, identifying persons responsible for implementing it, and ensuring that the plan is regularly tested for accuracy, currency and suitability.

2 PLANNING

This PIRMP describes management of pollution responses to meet relevant statutory requirements within the *Protection of the Environment Operations Act 1997* and the *Protection of the Environment Operations (General) Regulation 2009*. Statutory requirements and where each requirement has been addressed in this Plan are detailed in **Appendix 1**.

3 PREMISES DETAILS

3.1 Site Details

The site address is 952 Thomas Mitchell Drive, Muswellbrook NSW 2333.The site is located approximately 13 kilometres south of Muswellbrook and the access road into the site is off Thomas Mitchell Drive. The nearest cross-roads are Thomas Mitchell Drive and New England Highway.

3.2 Environment Protection Licence

Details for the Environmental Protection Licence (EPL) 1323 for site are provided in **Table 1**.

Table 1. EPL Details

Environmental Protection Licence Number	1323
Anniversary Date	1 May
Scheduled Activities	Coal Works

	Crushing, grinding or separating Mining for Coal
Facility Name and Address	Maxwell Underground Mine 952 Thomas Mitchell Drive Muswellbrook NSW 2333

3.3 Environmental Management System

The site maintains an Environmental Management System (EMS). The EMS is based on a suite of legislative requirements, management plans, procedures and standards, which have been prepared to ensure that operational activities are appropriately managed and minimise impacts to the environment. All regulatory approved management plans are made publicly available on the Malabar website at https://malabarresources.com.au/corporate-governance/.

3.4 Environmental Monitoring

Environmental monitoring is a key component of the operation to ensure strict compliance with all relevant statutory approvals including the conditions of EPL 1323. Monitoring undertaken includes air quality, surface and ground water quality, noise and meteorological.

4 PRIMARY HAZARDS

The primary hazards to human health and or the environment associated with activities at the site (as applicable to this PIRMP) are outlined below. The likelihood, control measures and contributing factors for these hazards are summarised in **Table 2**.

- *Bushfires* - include fires that start on site due to mining related activities, lightning strike or arching or fallen powerlines.
- *Chemicals and Hydrocarbons* - includes diesel and oils used for operational activities.
- *Dust Emissions* - include dust coming off exposed areas, haul roads and material handling, where dust is observed leaving the lease boundary or deemed excessive.
- *Effluent* - includes wastewater from the bathhouse and site toilet facilities.
- *Mine Water* - includes water from areas disturbed by mining activities (including the workshop) and water stored in dams and voids connected to the mine water management system via pipelines, pumps and drains. The Rail Loop Dam, Pringles Dam and Access Road Dam are considered higher risk dams for offsite discharge due to their location and the local topography.
- *Spontaneous Combustion* - includes instances where coal and other carbonaceous materials oxidise and produce heat. If the heat from oxidation isn't dissipated, increasing temperatures can cause the oxidation reaction to self-accelerate.

Table 2. Primary Hazards

Contaminant	Hazard	Likelihood	Controls	Contributing factors
Bulk Hydrocarbons	Spillage of large volumes of hydrocarbons onto land or water.	Possible	Bunding Locked valves Automatic shut off valves Signage Regular inspections	Burst or leaking pipe Leak from equipment Failure of bulk storage tank Failure of the bunded containment system

Contaminant	Hazard	Likelihood	Controls	Contributing factors
Raw water	Spillage of mine affected water	Possible	Permits for water transfers to high risk dams Automatic shut off Timers Regular inspections Back up pumps	Water overtopping a dam spillway Burst pipe Pump failure
Raw water	Dam wall failure	Rare	Operating limits for dams Regular inspections Statutory inspections for regulated dams Back up pumps	Dam failure
Effluent	Spill of untreated effluent to land or water	Rare	Regular inspections	Burst pipe Mechanical failure
Spontaneous combustion	Burning of carbonaceous material	Possible	Load out material Capping of outbreaks Regular inspections Thermal monitoring	Placement of carbonaceous material Uncapped material Inadequate capping Disturbance to capping
Bushfire	Activities on site cause a bushfire	Rare	Appropriate storage of flammable material Hot work permits Maintain fire breaks Firefighting trailer Water cart (when available) Site familiarisation with RFS	Build-up of flammable material Extreme weather conditions Lightning strike Arching or fallen power lines
Dust	Excessive dust is being generated or carried off site	Possible	Regular inspections Monitoring alarms Water truck Maintenance of plant and equipment Management of operations Speed limits	Dry and fine material Hot and dry weather conditions Increased wind speeds Dust suppression not working

4.1 Chemical Inventory

Before any chemicals can be used on site, an appropriate risk assessment is undertaken to determine the potential environmental and safety risks. A copy of all Safety Data Sheets (SDS) are kept in the Administration Office and First Aid Room.

Hydrocarbons and chemicals are stored and used in accordance with manufacturer's requirements. Any leaks or spills are managed in accordance with the SDS and the Spill Response Procedure. Substances that are no longer required or authorised for use on site are promptly returned to the supplier or disposed of in accordance with the Waste Management Procedure. All bulk storage tanks and containers of hydrocarbons are stored within appropriate bunding. Bunds are inspected regularly for structural integrity and capacity.

An inventory of potential chemicals and maximum volumes of each that can be held on site at any one time is provided in **Table 3**.

Table 3. Chemical Inventory

Pollutant	Capacity	Location
Diesel	860,000 litres	Main fuel tank
Hydraulic oils and grease	80,00 litres	Workshop
Waste oil	20,000 litres	Workshop

4.2 Mine Water Storage Inventory

The site operates a closed water system and does not draw water from sources such as the Hunter River, nor discharge water to the environment. All raw water is stored in established dams and voids. The primary water storage dams and their maximum storage capacities and supply sources are provided in **Table 4**.

Raw water dams with the potential to leave the premises due to their locations and local topography include the Access Road Dam, Pringles Dam, Rail Loop Dam and DC02.

Table 4. Water Storage Inventory

Dam Name	Approx. Maximum Storage Capacity (ML)	Supply Source
ES Void	5,500	Runoff from disturbed areas and aquifer interception.
Industrial Dam	750	Runoff from disturbed areas and mine rehabilitation. Transfer from Rail Loop Dam and the Oil Pollution Control Dam.
Access Road Dam	750	Runoff from natural ground and mine rehabilitation. Transfer from ES Void.
Rail Loop Dam	18	Runoff from CHPP and coal stockpile area. Transfer from DC2 Dam.
Pringles Dam	20	Runoff from natural ground and mine rehabilitation. Transfer from ES Void
Savoy Dam	140	Runoff from natural ground and mine rehabilitation. Transfer from Pringles Dam.
NN Void	> 5,000	Runoff from disturbed areas and aquifer interception.
Southern Void	8,140	Runoff from disturbed areas and aquifer interception.
DC2 Dam	~2	Runoff from natural ground and coal stockpile area.
Turkey's Nest	~5	Runoff from natural ground. Transfer from Savoy Dam.
Oil Pollution Control Dam	~2	Runoff from the Industrial Area.
V-Notch Weir Dam	<1	Seepage from Access Road Dam and runoff from natural ground

Dam Name	Approx. Maximum Storage Capacity (ML)	Supply Source
Effluent Ponds	0.01	Bath house
Mine Water Dam	17	Pumped transfer from MEA Dam and overflow from MEA Sedimentation Dam.
Mine Entry Area (MEA) Dam	110	Overflow from Mine Water Dam and East Void.
Treated Water Dam	15	Pumped water from the Water Treatment Plant.

5 EMERGENCY PROCESS

5.1 Emergency Initiation

An emergency can be initiated via a Malabar frequency two-way radio or by a phone call.

To initiate an emergency via a Malabar frequency radio, you should state the following information over the MAIN channel:

- 'This is an emergency'
- Your name
- The location of the emergency
- The nature of the emergency
- The assistance required

Radio silence is activated during an emergency and all vehicles and equipment in operational areas must park up safely and await further instruction. In any case where doubt exists as to the seriousness of an incident, the incident shall be treated as an emergency until an assessment of the scene has been undertaken by appropriate personnel.

An emergency can also be activated by dialling the phone extension 245 on any internal phone within the main office buildings, workshop or bathhouse. Alternatively, it can also be activated using an external landline or mobile phone to dial (02) 6542 0245.

5.2 Emergency Management Plan

The site has an Emergency Management Plan (EMP) that describes the actions to be taken during an emergency and applies to all workers who enter the Maxwell UG Minet. The purpose of the EMP is to provide a framework to allow the efficient and effective management of incidents, regardless of their size, type or complexity.

5.3 On-site Emergency Equipment

The site is currently in the construction and initial operations phase and as such, available earth moving equipment may be limited and should be assessed on a case-by-case basis. A four-wheel drive fire trailer and site water cart is available on site for use in the event of a fire. Suitable firefighting equipment in the form of fire extinguishers and fire hydrants are provided around each building and on light vehicles. Additional emergency resources may be sourced from the neighbouring mines.

5.4 First Aid Treatment

A First Aid Officer is available on site from Monday to Friday (excluding public holidays) during normal working hours. The First Aid Officer can proceed to the scene of the emergency or be available to treat patients in the on-site first aid room. If additional assistance is required, the patient may be transported from site to the nearest hospital or if necessary, a call to '000' should be made.

6 NOTIFICATION PROCESS

6.1 Legal Duty to Notify

Any person engaged as an employee or undertaking an activity must, immediately after becoming aware of any potential incident, notify their relevant supervisor of the incident and provide all relevant information.

An employer or occupier of the premises on which the incident occurs, who is notified (or otherwise becomes aware of) a potential pollution incident, must undertake notification to the appropriate regulatory authority of any "material harm incidents", including all relevant information.

6.2 Activation of the PIRMP

The PIRMP will be activated if actual or potential 'material harm to the environment' within the meaning of Section 147 of the POEO Act is considered likely. Activation of the PIRMP can be made by the site Supervisors, Environmental Coordinators, Environment, Community and Approvals Manager or General Manager. Relevant contact details are provided in **Table 5**.

A brief flow chart of the activation process is provided in **Appendix 3**. These roles are authorised to notify relevant authorities under Section 148 of the POEO Act and are also responsible for managing the response to a pollution incident.

Table 5. Maxwell UG Mine Contacts

Name	Contact Details	Position
Alex Newton	02 6542 0200	Environment and Approvals Coordinator
Donna McLaughlin	02 6542 0298	Environment, Community and Approvals Manager
Rob Hayes	02 6542 0203	General Manager
Control Room Operator	02 6542 0222	Control Room manned 24 hours a day

6.3 Notification of a Pollution Incident

The following information (if known) will be provided to the authorities identified in **Table 6.** If this information is not known to the person when the initial notification is made but becomes known afterwards, that information must be notified immediately after it becomes known to each authority listed.

The site does not have an on-site emergency response team, therefore if additional emergency services are required, a call to '000' should be made first.

- The time, date, nature, duration and location of the incident.
- The location of the place where pollution is occurring or is likely to occur.
- The nature, the estimated quantity or volume and the concentration of any pollutants involved.

- The circumstances in which the incident occurred (including the cause of the incident).
- The action taken or proposed to be taken to deal with the incident and any resulting pollution or threatened pollution.

Table 6. External Authorities for Notification

Authority	Contact Number	Email
Fire and Rescue NSW	000 only to be contacted first if emergency services are required otherwise, contact last on 1300 729 579.	Zonerw2@fire.nsw.gov.au
NSW Environment Protection Authority	131 555	info@epa.nsw.gov.au
NSW Department of Planning, Housing and Infrastructure (DPHI)	(02) 6575 3400	Incident report within 7 days via Planning Portal – if the portal is down email: compliance@planning.nsw.gov.au
Resource Regulator *	1300 814 609	nswresourcesregulator@service-now.com
SafeWork NSW (formerly WorkCover)	13 10 50	contact@safework.nsw.gov.au
Muswellbrook Shire Council (MSC)	02 6549 3700	council@muswellbrook.nsw.gov.au
Department of Climate Change, Energy, the Environment and Water (CEECCW)#	1800 110 395	environment.compliance@dcceew.gov.au
Affected Neighbours	Refer to Neighbour Emergency Contact List.	

* Resource Regulator are only to be notified in the event the incident occurs within an area where the mining or exploration lease states incident reporting requirements.

DEECCW are only to be notified in the event the incident has the potential to or does impact on one or more protected matters as defined in EPBC Approval 2018-8287. The notification must be in accordance with Conditions 18 and 19 of EPBC Approval 2018-8287.

6.4 Incident and Non-Compliance Notification Under the Development Consent

An incident is defined in SSD 9526 and DA 106-04-00 as an occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance.

In accordance with Schedule 2, Part E, Condition E9 of SSD 9526 and Schedule 2, Part B, Condition C5 of DA 106-04-00, Maxwell must notify the Department within 24 hours of becoming aware of an incident. The notification must be made via the NSW planning portal (Major Projects) and address details of the incident including:

a) date, time and location;

b) a brief description of what occurred and why it has been classified as an incident;

c) a description of what immediate steps were taken in relation to the incident; and

d) identifying a contact person for further communication regarding the incident.

Maxwell shall provide the DPHI with a subsequent incident report in accordance with Appendix 7 of Development Consent SSD-9526.

6.5 Communication with Neighbours and the Local Community

There are no sensitive facilities, such as schools, nursing homes or hospitals, in the vicinity of the premises. The surrounding area which may potentially be impacted by a pollution incident includes landholders adjacent to the premises boundary, downstream water courses and associated landholders and the nearby townships of Muswellbrook.

Communication with neighbours and the local community will be undertaken by the Environment, Community and Approvals Manager (or delegate). Neighbour emergency contact details can be found in the Neighbour Emergency Contact List.

Information provided to stakeholders and the community may include early warnings, incident updates and the action to be taken during or immediately after a pollution incident to reduce the risk. Depending on the nature and extent of the incident, the site will subsequently advise impacted neighbours and the local community using one or more of the following methods:

- Phone calls
- Personal visits
- Media releases (mail, radio, newspapers and emails)

7 TRAINING, TESTING AND REVIEW

7.1 Training

All visitors and personnel who work on site are made aware of how to initiate an emergency during their induction. Those who are involved in supervisory roles and may be involved in incident management will receive associated non-technical training. Notification and reporting of a pollution incident is covered in the general site induction for all employees and contractors.

7.2 Testing and Review

The PIRMP is required to be tested once a year and reviewed within one month of a pollution incident occurring. Tests will be carried out as a desktop exercise to ensure that the information included in this PIRMP is accurate and up to date, and the plan is capable of being implemented in a workable and effective manner.

Following each review annually the PIRMP Test History tracking table contained within this document will be updated with the review date and who carried out the review. Should the review lead to an update of this PIRMP then the revision schedule will also be updated.

7.3 Availability of the PIRMP

This PIRMP will be kept on sites document control system, accessible and available at the premises, to be provided to an authorised EPA officer on request and to any person who is responsible for implementing the plan in accordance with the POEO Act and POEO(G) Regulations.

The PIRMP will also be made publicly available on the Malabar website at https://malabarresources.com.au/corporate-governance/.

8 TEST HISTORY

A summary of the PIRMP test history is outlined in **Table 7**.

Table 7. PIRMP Test History

Version tested	Test Date	Tested by	Action
0	11 June 2015	K Blaikie	Amendments required.
1	11 February 2016	B York	Minor amendments required.
2	27 March 2017	M Lord	Major amendments required (mine closure).
3	26 April 2018	G Cook	Desktop test. Subsequent update to reflect Malabar Coal ownership, updated contact details and changes in responsibilities.
4	12 December 2019	R Harcus	Desktop test. Updates required.
5	19 May 2020	D McLaughlin	Desktop test. Updates required.
6	19 May 2021	D McLaughlin	Desktop test. No update required.
6	9 April 2022	D McLaughlin	Desktop test. Updates required.
7	29 March 2023	T Rutter	Desktop test. Updates required.
8	2 April 2024	T Rutter	Desktop test.
9	23 January 2025	T Rutter	Desktop test. Updates required.
10	27 March 2026	T Rutter	Desktop test. Update required.

9 REVISION STATUS

A summary of the PIRMP revision history is outlined in **Table 8**.

Table 8. Document Revision history

Issue	Issue Date	Review Team	Details of Change / Communication
0	11 August 2014	Brooke York James Benson Peter Forbes	Original document posted to website.
1	11 June 2015	Kirstin Blaikie James Benson Peter Forbes	Major amendment.
2	11 February 2016	Kirstin Blaikie James Benson Peter Forbes	Minor amendment (audit recommendation).
3	27 March 2017	Jason Martin	Major amendment (mine closure).

Issue	Issue Date	Review Team	Details of Change / Communication
		Matt Lord Darren Pisters	
4	26 April 2018	Glenn Cook Donna Mclaughlin	Desktop test and subsequent update to document to reflect Malabar Coal ownership, updated contact details and changes in responsibilities.
5	8 April 2020	Sam McDonald Donna Mclaughlin	Update to document format, contact details, and change in role titles. Amendments to reflect changes in operations. Plans in Appendices updated.
6	13 July 2022	Robyn Skinner Donna McLaughlin	Update to document format. Amendments to reflect changes in operations. Development Consent SSD 9526 for the Maxwell UG Project
7	14 February 2023	Donna McLaughlin	Updated document following MOD1 and MOD2. Updated key contacts and amended EPL details.
8	29 March 2023	Teagan Rutter Donna McLaughlin	Document updated with minor changes. Contact details for the Resources Regulator updated following test of the PIRMP.
9	3 November 2023	Donna McLaughlin	Document updated following approval of Modification 1 of development consent DA 106-04-00 for the Drayton Rail Loop and Antiene Rail Spur. Address, site contact details and website also updated.
10	2 April 2024	Donna McLaughlin	Updated to include EPBC Approval 2018/8287 reporting requirements.
11	31 January 2025	Donna Tiananga	Document updated to incorporate new water storages, update external authorities and project contacts.
12	December 2025	Donna Tiananga Alex Newton	Administrative update to include requirements of Maxwell MOD3. Removal need to notify the Ministry of Health following implementation of the Environmental Legislation Amendment Act (2025).
13	January 2026	Donna Tiananga	Change to the definition of ‘material harm’.
14	March 2026	Donna Tiananga	Removed second number for Resources Regulator as it was disconnected.

10 RESPONSIBILITIES

Table 9 outlines the responsibilities associated with this management plan.

Table 9. Responsibilities

Position	Responsibilities
General Manager	• Determining whether environmental incidents need to be reported to external agencies.

Position	Responsibilities
	• Provide adequate resourcing for the implementation and maintenance of requirements of the PIRMP. • Communicate with neighbours and the local community about the PIRMP and when incidents of a certain nature occur. • Assisting with advice, reporting and response processes.
Environment, Community and Approvals Manager	• Assisting with advice, reporting and response processes. • Ensuring this PIRMP is made available for staff responsible for implementing the plan and authorised offices under the POEO Act. • Providing notification of pollution incidents to external agencies. • Assistance with the implementation of response actions to pollution incidents. • Communicate with neighbours and the local community about the PIRMP and when incidents of certain nature occur. • Ensure that the appropriate level of training is provided to personnel responsible for activating the PIRMP. • Reviewing and testing of the PIRMP.
Supervisors	• Assisting with advice, reporting and response processes. • Assistance with the implementation of response actions to pollution incidents.
All Workers	• Understanding and implementing this PIRMP as appropriately identified.

11 DOCUMENT INFORMATION

11.1 References

DRA_11-100_PRO_*Spill Response Procedure*

DRA_9-031_PRO_*Emergency Management Plan*

DRA_9-031.18_REF_*Neighbour Emergency Contact List*

Protection of the Environment Operations Act 1997

Protection of the Environment Operations (General) Regulation 2009

Environmental guidelines: Preparation of pollution incident response management plans (EPA, 2012)

11.2 Definitions and Abbreviations

Term	Definition
Antiene MOD1	Drayton Rail Loop and Antiene Rail Spur (DA 106-04-00) Modification 1
DPHI	NSW Department of Planning, Housing and Infrastructure
CHPP	Coal Handling Preparation Plant
EMP	Emergency Management Plan

Term	Definition
EMS	Environmental Management System
EPA	NSW Environment Protection Authority
EPBC	Environment Protection and Biodiversity Conservation Act 1999
EPL	Environmental Protection Licence
Immediately	Has its ordinary dictionary meaning of promptly and without delay.
Land pollution or pollution of land	Means placing in or on, or otherwise introducing into or onto, the land (whether through an act or omission) any matter, whether solid, liquid or gaseous that causes or is likely to cause degradation of the land, resulting in actual or potential harm to the health or safety of human beings, animals or other terrestrial life or ecosystems, or actual or potential loss or property damage, that is not trivial.
Material harm	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 $50,000 (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.
MEA	Mine Entry Area
Maxwell MOD1	Maxwell Underground Project (SSD 9526) Modification 1
Maxwell MOD2	Maxwell Underground Project (SSD 9526) Modification 2
Maxwell MOD3	Maxwell Underground Project (SSD 9526) Modification 3
MSC	Muswellbrook Shire Council
NSW	New South Wales
PA	Project Approval (Development Consent)
PIRMP	Pollution Incident Response Management Plan
POEO Act	Protection of the Environment Operations Act 1997
POEO(G) Regulation	Protection of the Environment Operations (General) Regulation 2009
Pollution incident	Is 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.

Term	Definition
SDS	Safety Data Sheet
SSD 9526	State Significant Development 9526 for the Maxwell Underground Mine

APPENDIX 1

Regulatory Requirements

PIRMP Legislative Requirements

Legislative Requirement	Document Reference
Protection of the Environment Operations Act 1997	
153C Information to be included in the plan	
A pollution incident response management plan must be in the form required by the regulations and must include the following: • 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:	**This document**
(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	**Section 6.4**
(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	**Section 6.3**
(iii) any persons or authorities required to be notified by Part 5.7,	**Section 6.3**
• 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	**Section 5 and 6**
• the procedures to be followed for coordinating, with the authorities or persons that have been notified, any action taken in combating the pollution caused by the incident and, in particular, the persons through whom all communications are to be made,	**Section 6.2**
• any other matter required by the regulation (as set out below)	**This Table**
Protection of the Environment Operations (General) Regulation 2009	
98C Additional matters to be included in plan	
1) General. The matters required under section 153C (d) of the Act to be included in a plan are as follows:	
(a) a description of the hazards to human health or the environment associated with the activity to which the licence relates (the relevant activity),	**Section 4**

Legislative Requirement	Document Reference
(b) the likelihood of any such hazards occurring, including details of any conditions or events that could, or would, increase that likelihood,	**Section 4**
(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 4**
(d) an inventory of potential pollutants on the premises or used in carrying out the relevant activity,	**Section 4.1 and Section 4.2**
(e) 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,	**Section 4.1 and Section 4.2**
(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 5.3**
(g) the names, positions and 24-hour contact details of those key individuals who: (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 6.2**
(h) the contact details of each relevant authority referred to in section 148 of the Act,	**Section 6.3**
(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 6.4**
(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 5.2**
(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,	**Appendix 2**
(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 5.2, 5.3 and 5.4**
(m) the nature and objectives of any staff training program in relation to the plan,	**Section 7.1**
(n) the dates on which the plan has been tested and the name of the person who carried out the test,	**Section 8**
(o) the dates on which the plan is updated,	**Section 9**

Legislative Requirement	Document Reference
(p) the manner in which the plan is to be tested and maintained.	**Section 7.2**

APPENDIX 2 – PREMISES PLAN

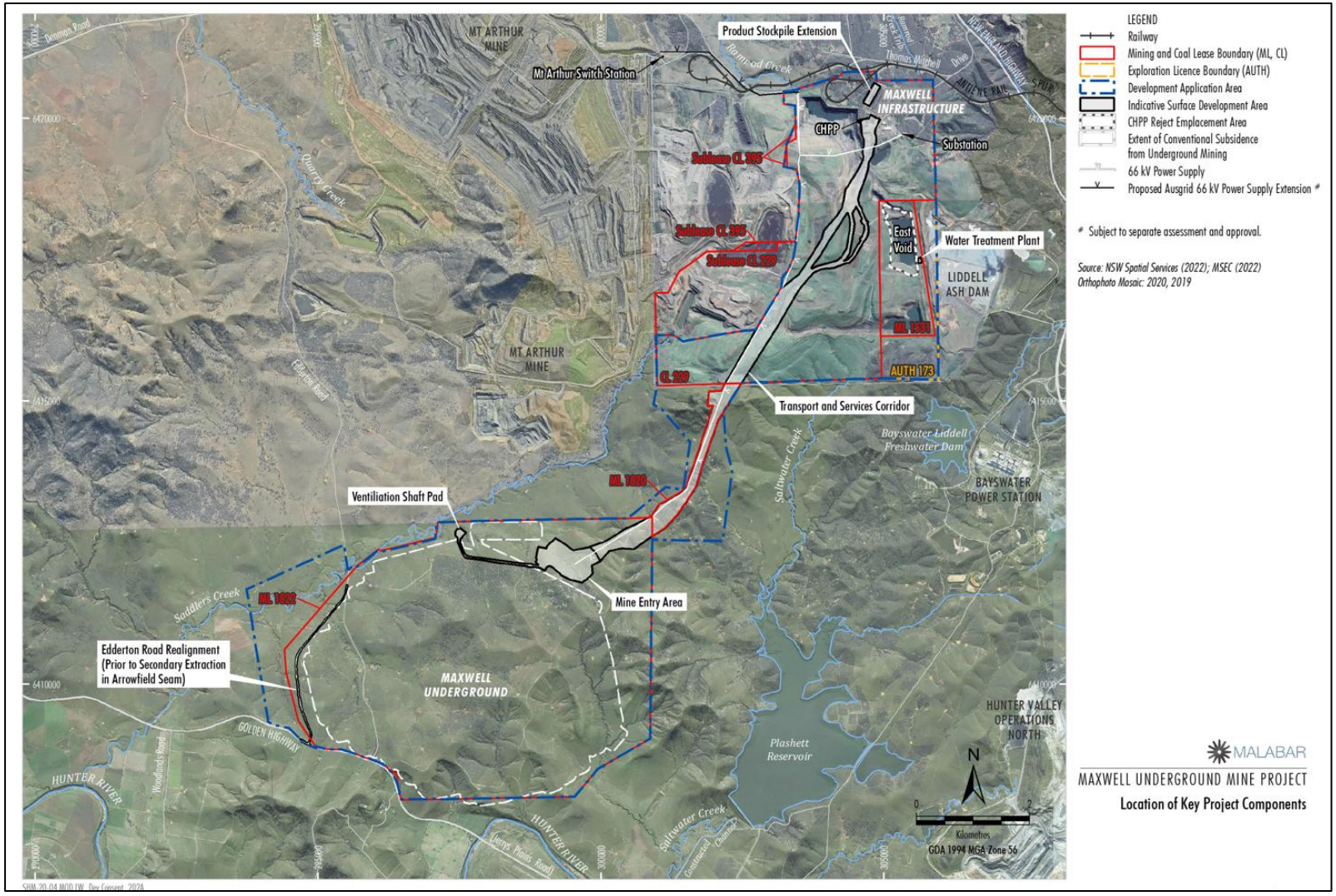


Figure 1. Pollution Incident Response Management Plan – Site Layout

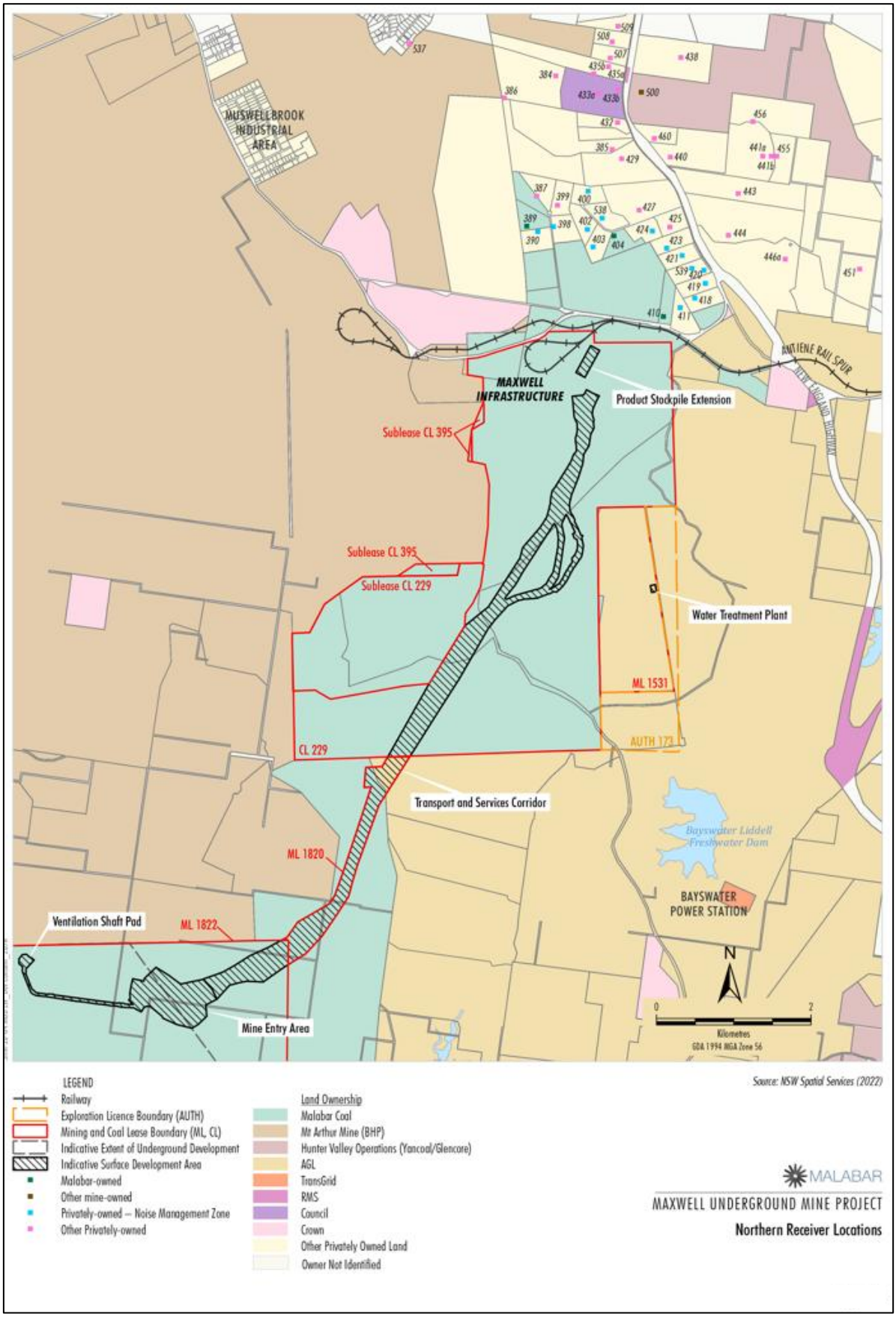


Figure 2. Pollution Incident Response Management Plan – Land Ownership

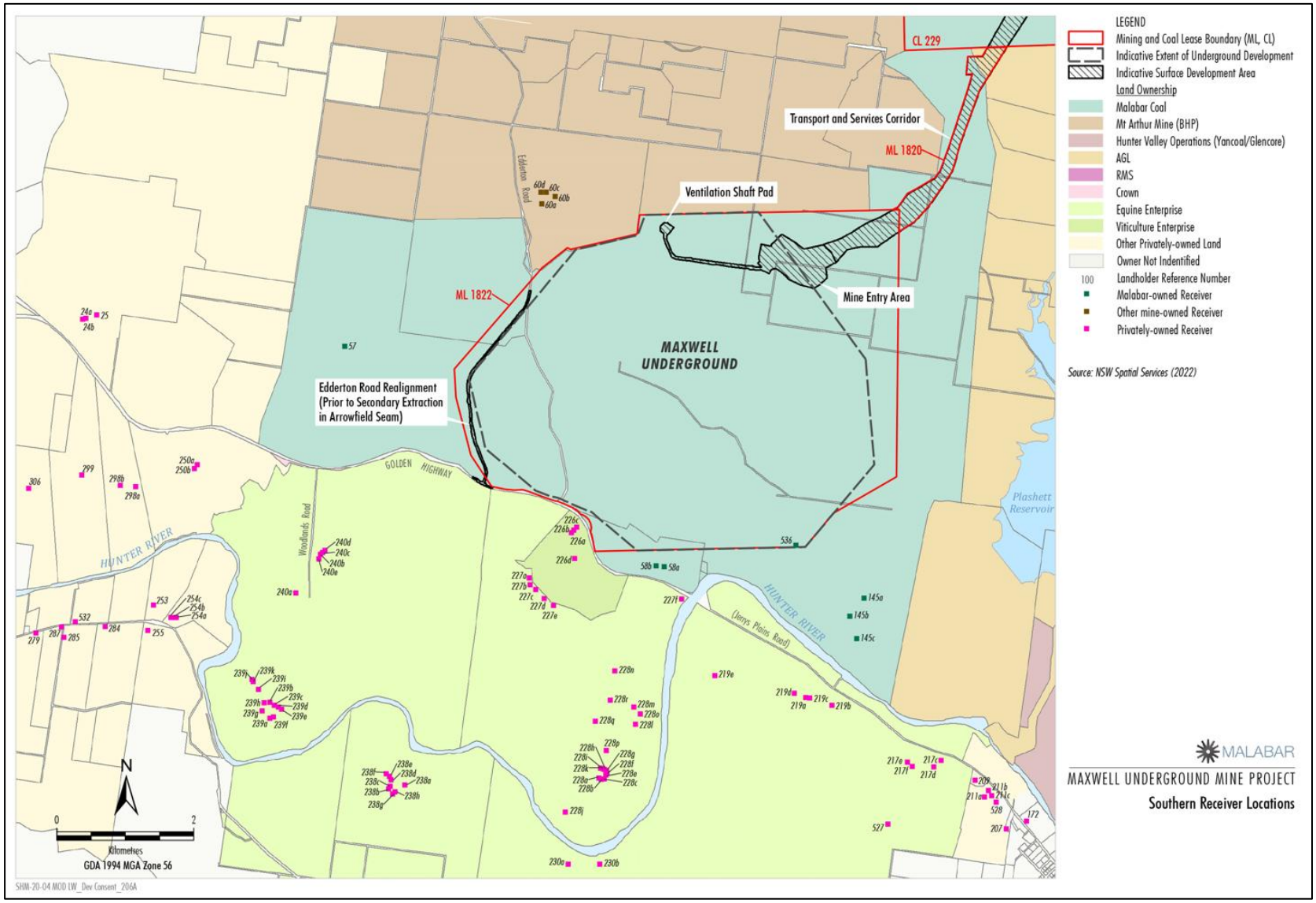
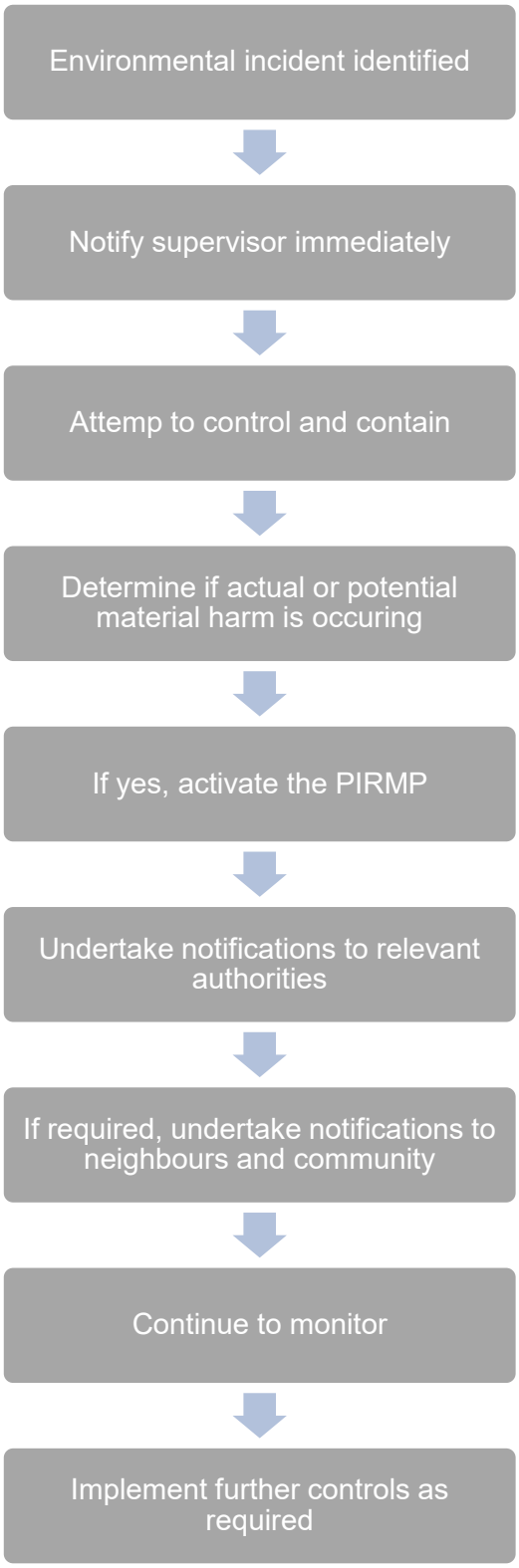


Figure 3. Pollution Incident Response Management Plan – Land Ownership

APPENDIX 3

Pollution Incident Reporting Flow Chart